

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061352.D
 Acq On : 8 May 2020 11:24
 Operator : JC/MD
 Sample : VN0508WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2020 12:36:35 PM

Quant Time: May 09 01:13:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	99693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	168289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	154919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	70887	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	80843	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.54	113	46783	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	10.06	98	208305	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.37	95	76996	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	18960	17.935	ug/l	99
3) Chloromethane	2.03	50	25596	19.991	ug/l	99
4) Vinyl Chloride	2.16	62	28120	19.337	ug/l	98
5) Bromomethane	2.53	94	12217	16.995	ug/l	98
6) Chloroethane	2.67	64	17718	19.222	ug/l	95
7) Trichlorofluoromethane	2.98	101	35870	21.863	ug/l	96
8) Diethyl Ether	3.37	74	14711	21.496	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21290	20.142	ug/l	99
10) Methyl Iodide	3.90	142	22138	16.297	ug/l	98
11) Tert butyl alcohol	4.72	59	24228	114.655	ug/l	99
12) 1,1-Dichloroethene	3.69	96	20365	19.361	ug/l	100
13) Acrolein	3.56	56	12399	88.049	ug/l	99
14) Allyl chloride	4.27	41	43873	22.496	ug/l	98
15) Acrylonitrile	4.92	53	66543	102.584	ug/l	99
16) Acetone	3.77	43	64603	102.637	ug/l	96
17) Carbon Disulfide	4.00	76	42818	14.737	ug/l	100
18) Methyl Acetate	4.27	43	36634	18.827	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	78391	19.504	ug/l	98
20) Methylene Chloride	4.50	84	24092	19.586	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	21629	18.884	ug/l	98
22) Diisopropyl ether	5.90	45	92747	20.507	ug/l	97
23) Vinyl Acetate	5.84	43	361425	99.252	ug/l	100
24) 1,1-Dichloroethane	5.79	63	46970	19.877	ug/l	98
25) 2-Butanone	6.78	43	93626	100.303	ug/l	99
26) 2,2-Dichloropropane	6.77	77	41603	20.903	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	25729	19.142	ug/l	97
28) Bromochloromethane	7.14	49	22536	20.122	ug/l	98
29) Tetrahydrofuran	7.16	42	61990	98.588	ug/l	99
30) Chloroform	7.32	83	46581	19.452	ug/l	99
31) Cyclohexane	7.61	56	40058	17.456	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	40331	19.341	ug/l	99
36) 1,1-Dichloropropene	7.75	75	32701	19.411	ug/l	100
37) Ethyl Acetate	6.87	43	38892	19.692	ug/l	99
38) Carbon Tetrachloride	7.73	117	29178	20.402	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	31954	16.913	ug/l	99
40) Benzene	8.00	78	99150	19.755	ug/l	100
41) Methacrylonitrile	7.12	41	15600	19.024	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	39705	20.882	ug/l	99
43) Isopropyl Acetate	8.12	43	64551	19.694	ug/l #	91
44) Trichloroethene	8.80	130	24961	18.397	ug/l	97
45) 1,2-Dichloropropane	9.08	63	26904	20.065	ug/l	99
46) Dibromomethane	9.17	93	16945	20.410	ug/l	99
47) Bromodichloromethane	9.37	83	37281	20.921	ug/l	98
48) Methyl methacrylate	9.17	41	29433	19.900	ug/l	98
49) 1,4-Dioxane	9.16	88	8577	510.864	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	197998	102.627	ug/l	99
52) Toluene	10.12	92	59603	19.716	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	40026	19.934	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	42737	20.133	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	23969	19.878	ug/l	98
56) Ethyl methacrylate	10.40	69	36268	19.046	ug/l	99
57) 1,3-Dichloropropane	10.68	76	43184	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	90633	92.857	ug/l	99
59) 2-Hexanone	10.72	43	140108	99.820	ug/l	99
60) Dibromochloromethane	10.87	129	25373	20.091	ug/l	98
61) 1,2-Dibromoethane	10.98	107	24227	20.046	ug/l	99
64) Tetrachloroethene	10.60	164	24003	17.889	ug/l	99
65) Chlorobenzene	11.41	112	60689	19.749	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	22695	20.634	ug/l	99
67) Ethyl Benzene	11.48	91	112492	19.554	ug/l	99
68) m/p-Xylenes	11.60	106	82326	39.097	ug/l	96
69) o-Xylene	11.92	106	37753	18.665	ug/l	95
70) Styrene	11.94	104	65163	19.249	ug/l	98
71) Bromoform	12.10	173	16111	19.931	ug/l #	98
73) Isopropylbenzene	12.22	105	105264	20.199	ug/l	99
74) N-amyl acetate	12.04	43	52683	19.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35163	21.640	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	31374m	20.993	ug/l	
77) Bromobenzene	12.50	156	24670	20.507	ug/l	96
78) n-propylbenzene	12.56	91	125911	20.370	ug/l	99
79) 2-Chlorotoluene	12.65	91	74321	20.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	87935	20.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11962	20.326	ug/l	95
82) 4-Chlorotoluene	12.75	91	79559	20.777	ug/l	99
83) tert-Butylbenzene	12.97	119	71325	19.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	88572	19.932	ug/l	100
85) sec-Butylbenzene	13.15	105	95093	19.178	ug/l	100
86) p-Isopropyltoluene	13.26	119	84745	18.969	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	44470	20.080	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	45251	19.998	ug/l	99
89) n-Butylbenzene	13.59	91	74956	18.302	ug/l	98
90) Hexachloroethane	13.85	117	11261	28.106	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	43193	20.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6865	20.004	ug/l	98

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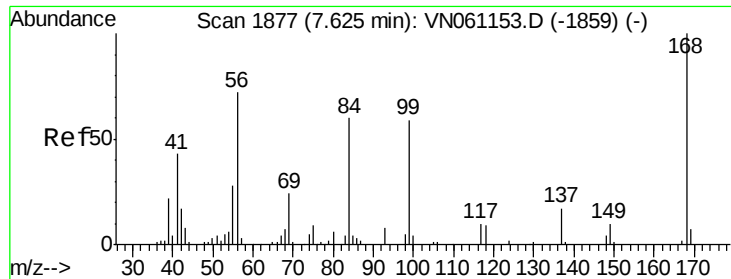
Manual Integrations
APPROVED

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5/11/2020 12:36:35 PM

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	23083	17.851	ug/l	98
94) Hexachlorobutadiene	14.98	225	10692	19.793	ug/l	98
95) Naphthalene	15.11	128	71025	16.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	22905	17.942	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



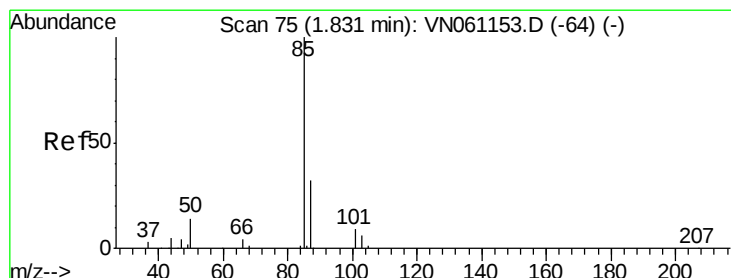
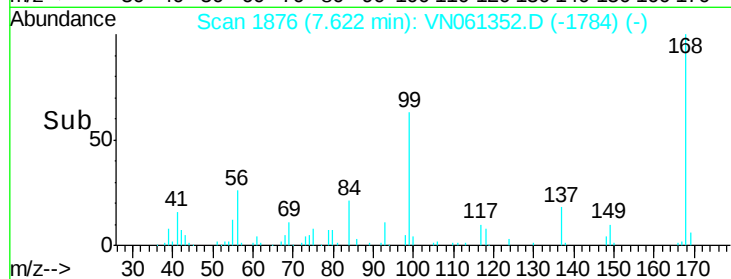
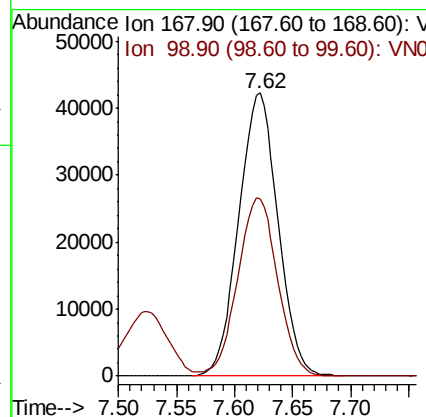
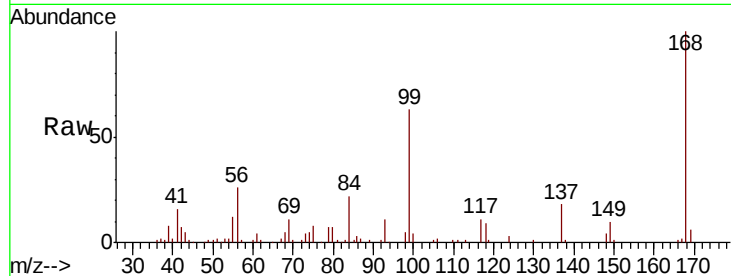
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	62.6	51.2	76.8

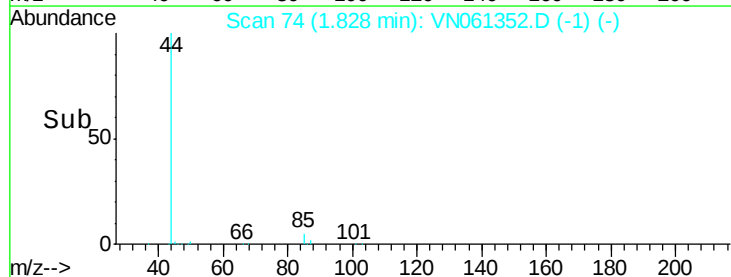
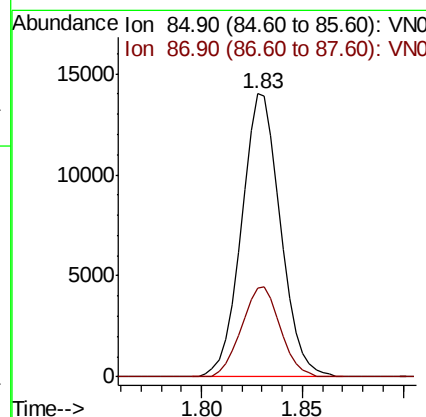
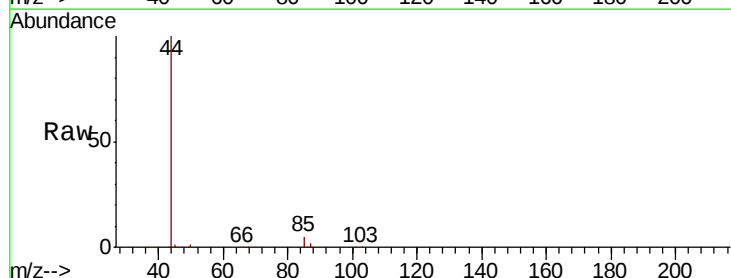
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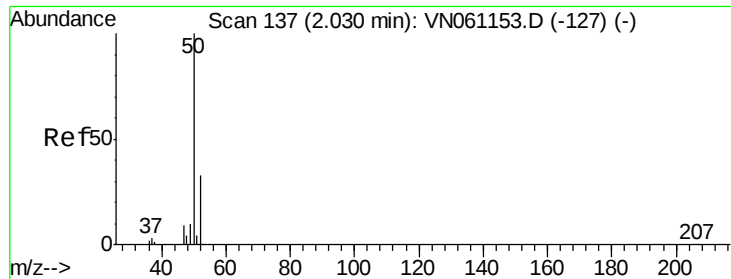
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#2
Dichlorodifluoromethane
Concen: 17.935 ug/l
RT: 1.83 min Scan# 74
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.1	48.2





#3

Chloromethane

Concen: 19.991 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 50 Resp: 25596

Ion Ratio Lower Upper

50 100

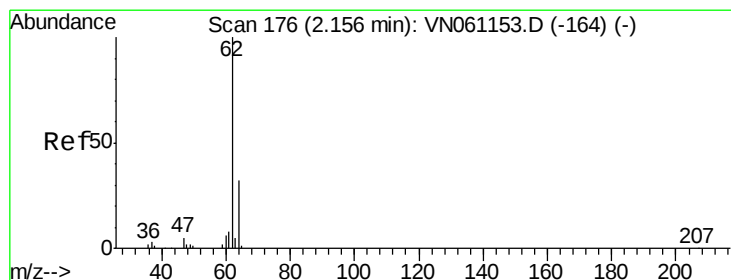
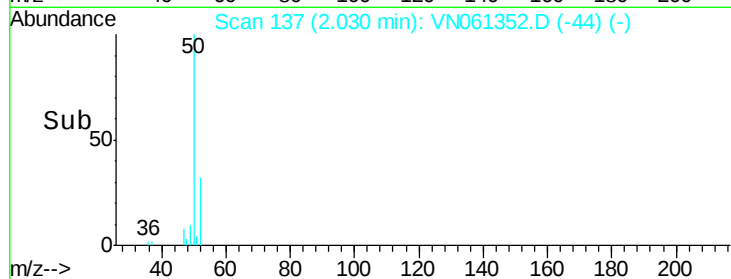
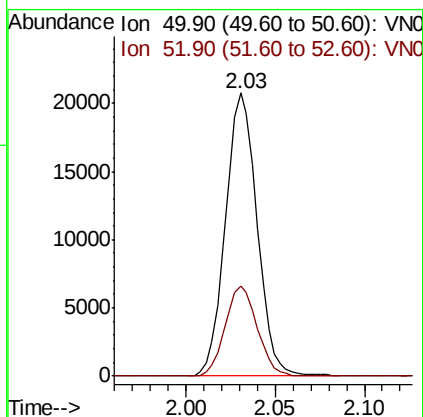
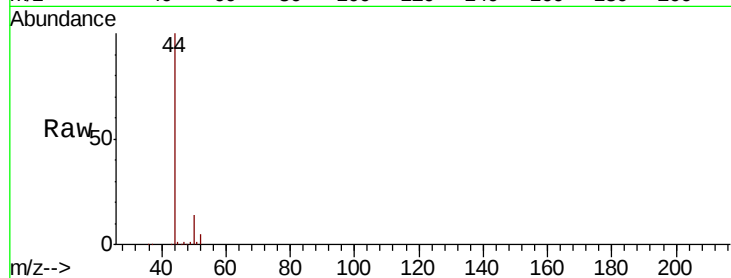
52 32.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.337 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061352.D

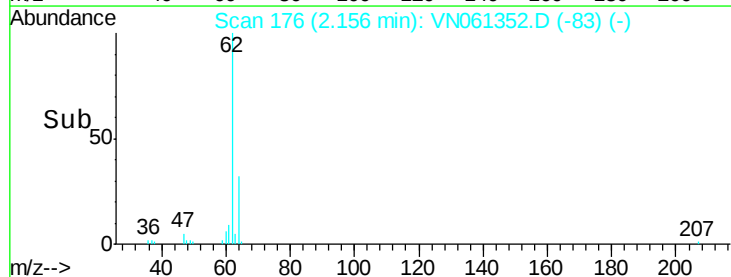
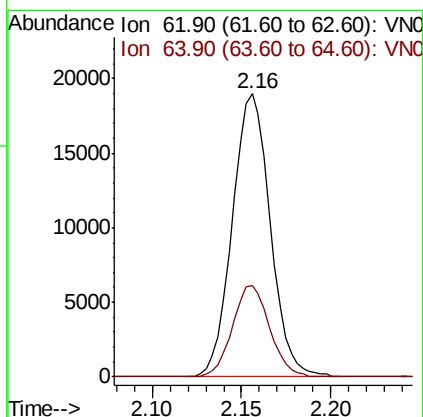
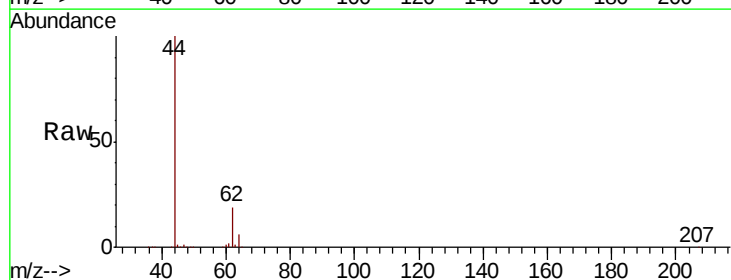
Acq: 8 May 2020 11:24

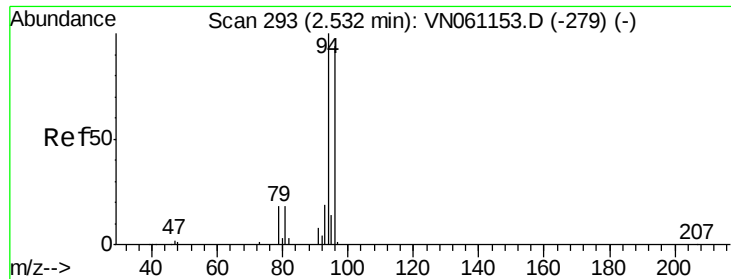
Tgt Ion: 62 Resp: 28120

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 16.995 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 94 Resp: 12217

Ion Ratio Lower Upper

94 100

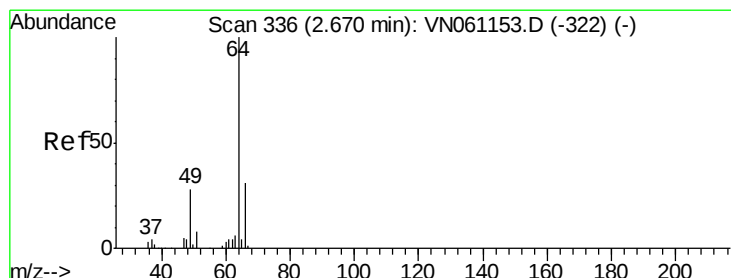
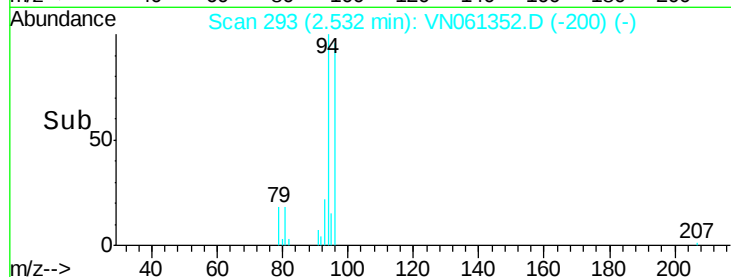
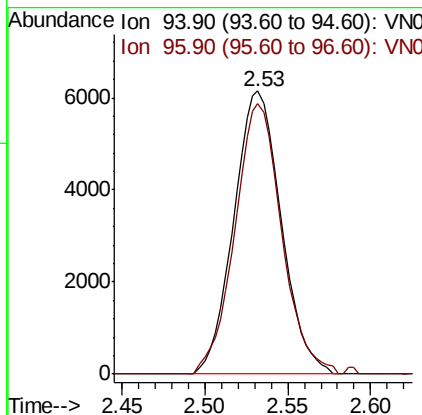
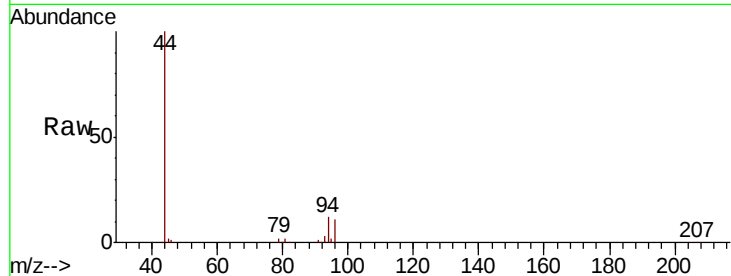
96 95.8 75.1 112.7

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#6

Chloroethane

Concen: 19.222 ug/l

RT: 2.67 min Scan# 335

Delta R.T. -0.00 min

Lab File: VN061352.D

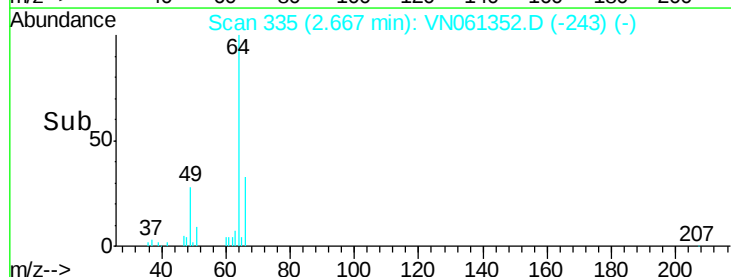
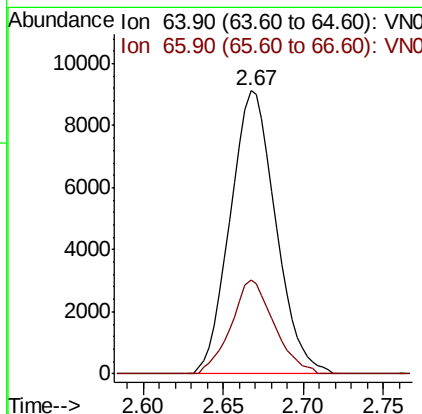
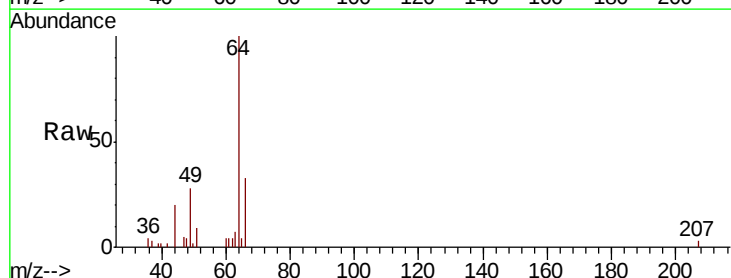
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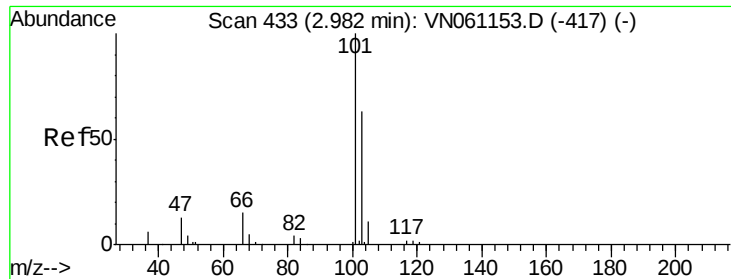
Tgt Ion: 64 Resp: 17718

Ion Ratio Lower Upper

64 100

66 33.3 24.6 36.8





#7

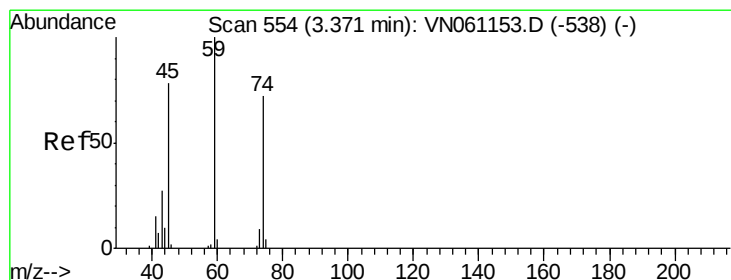
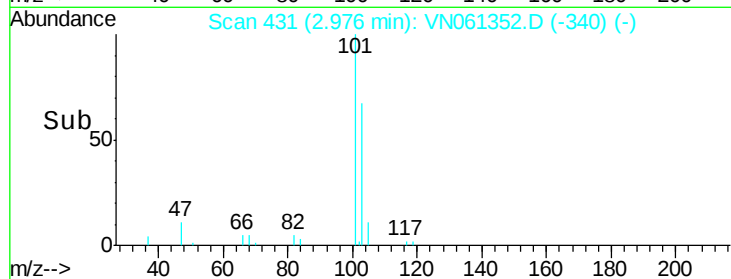
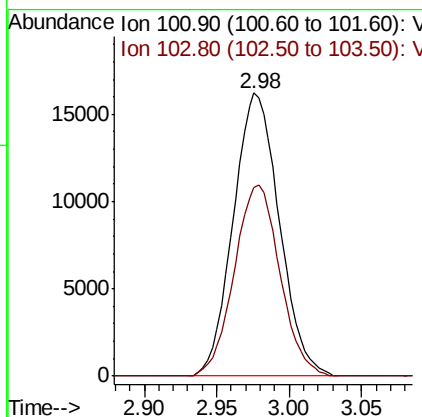
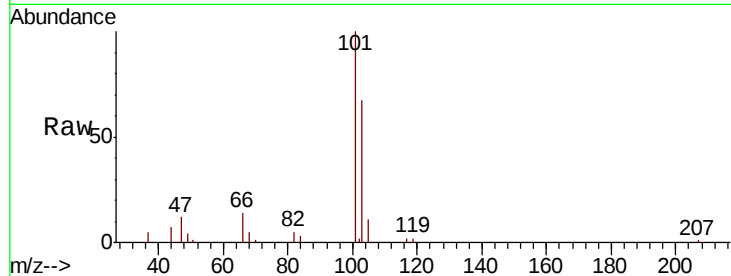
Trichlorofluoromethane
 Concen: 21.863 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.6	76.0

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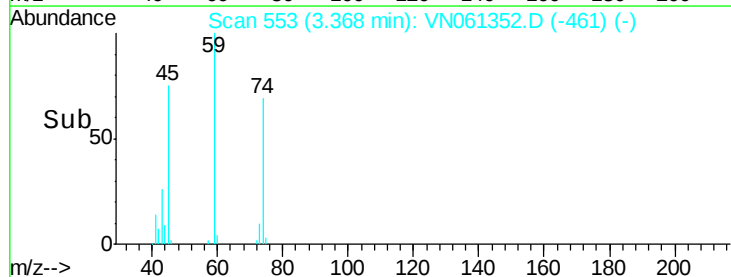
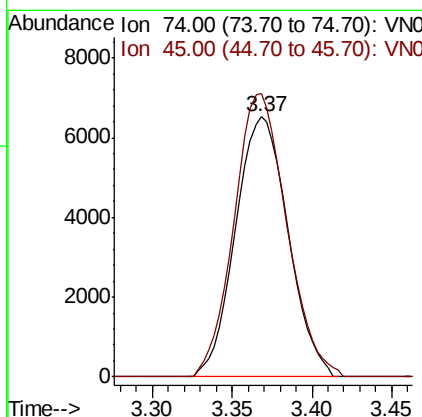
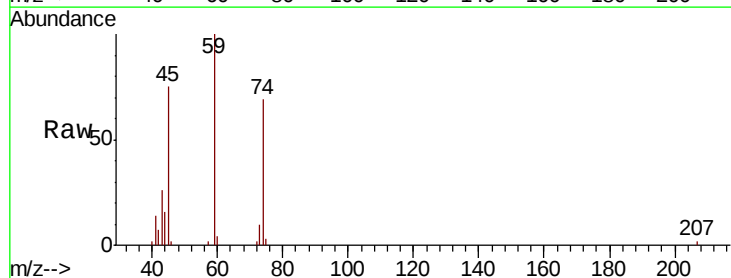
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 5/11/2020 12:36:35 PM

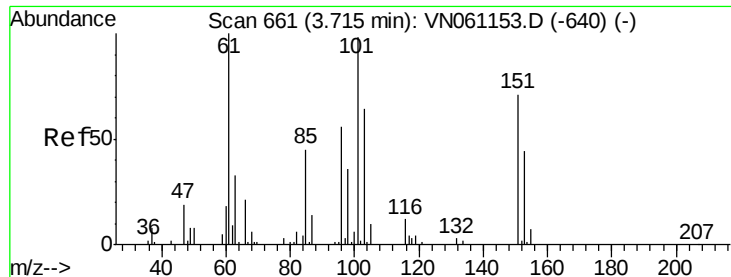


#8

Diethyl Ether
 Concen: 21.496 ug/l
 RT: 3.37 min Scan# 553
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

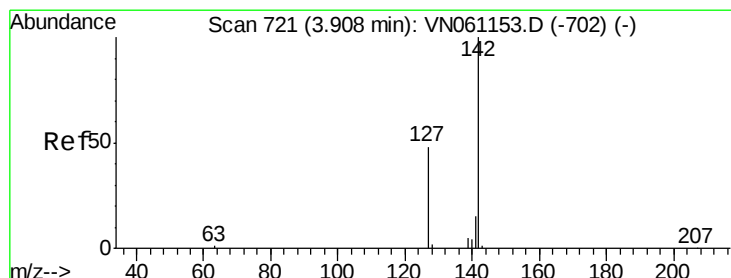
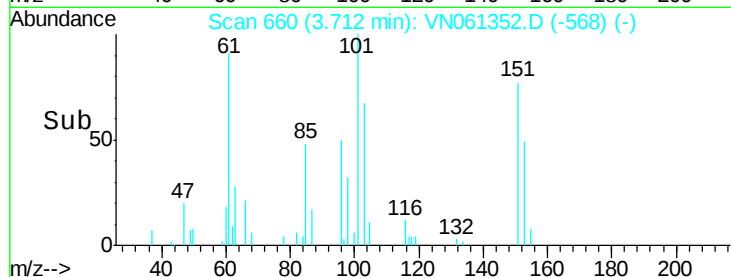
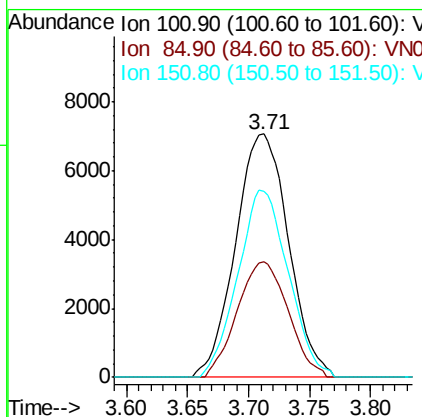
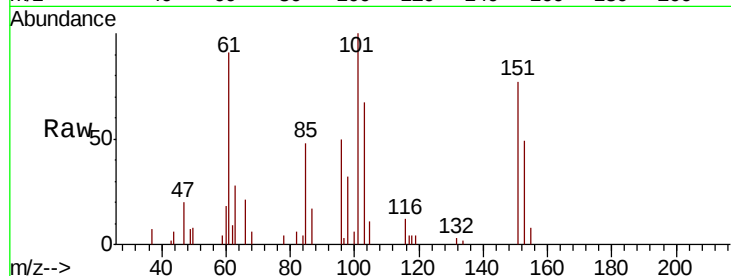
ClientSampleId :

VN0508WBS01

Tot Ion:	101	Resp:	21290
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.2	55.8
151	73.5	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.297 ug/l

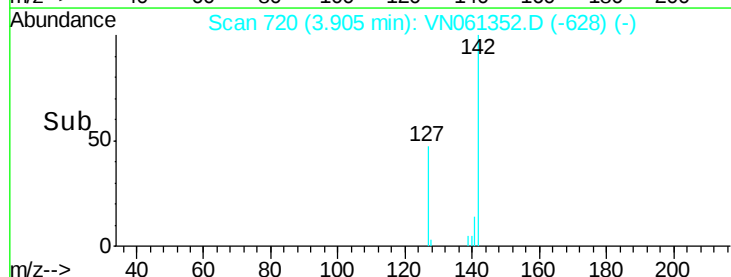
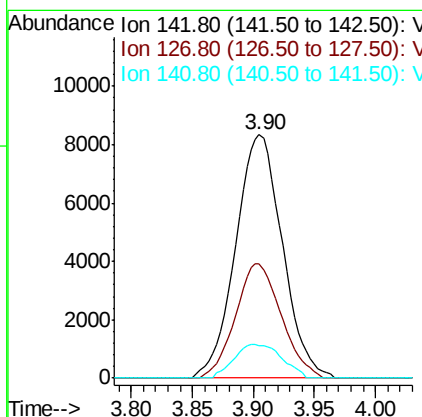
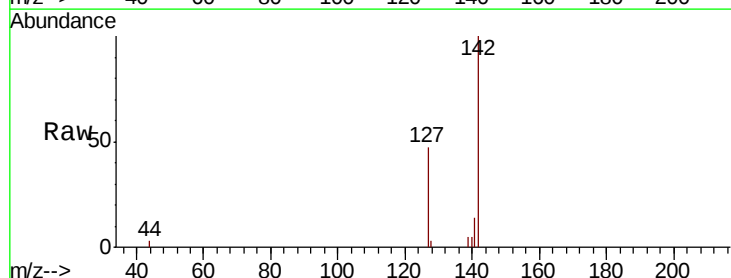
RT: 3.90 min Scan# 720

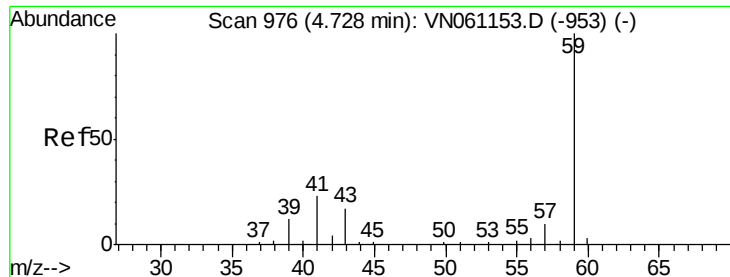
Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:	142	Resp:	22138
Ion Ratio	Lower	Upper	
142	100		
127	46.1	38.0	57.0
141	14.1	11.7	17.5





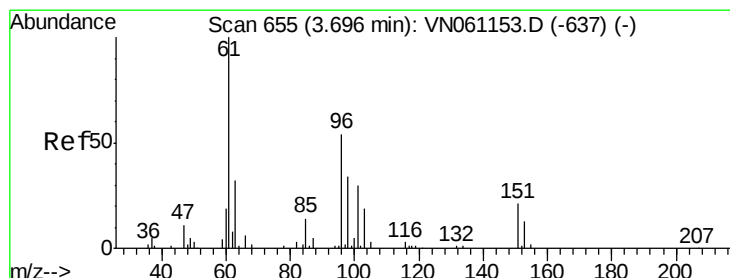
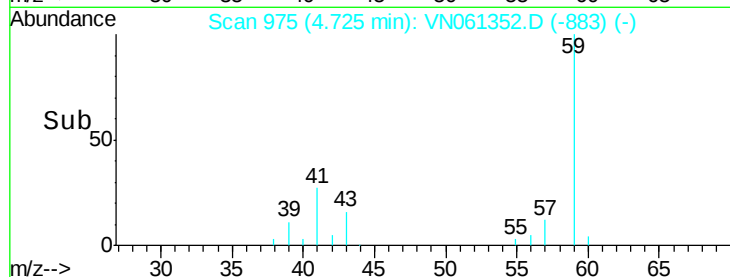
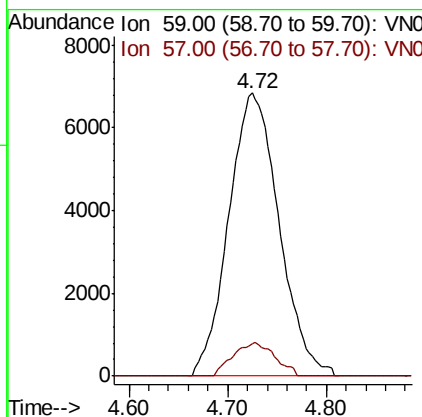
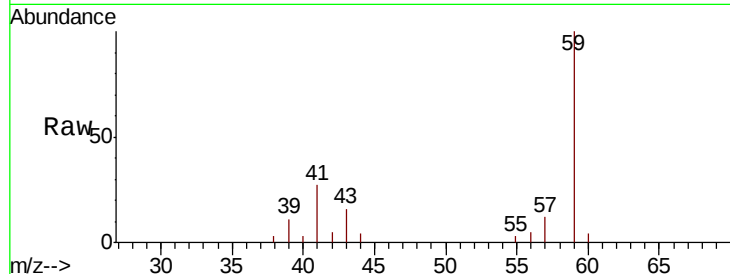
#11
Tert butyl alcohol
Concen: 114.655 ug/l
RT: 4.72 min Scan# 975
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	24228		
57	9.9		8.3	12.5

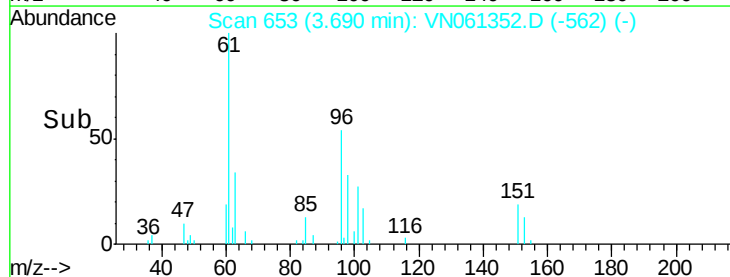
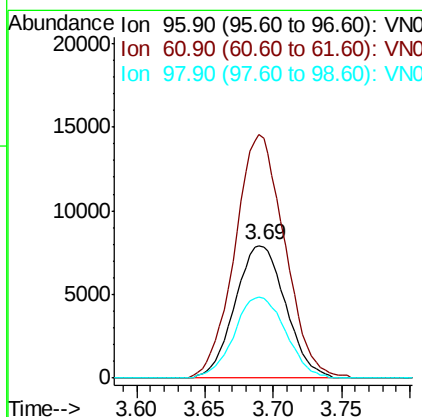
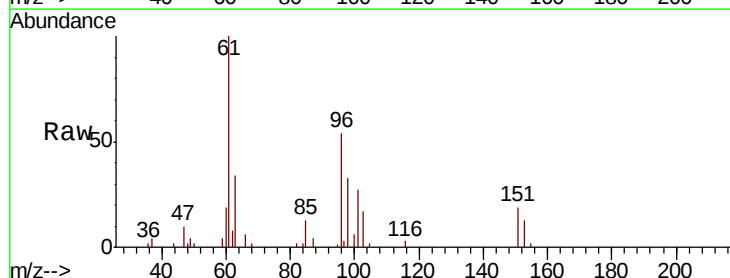
Manual Integrations
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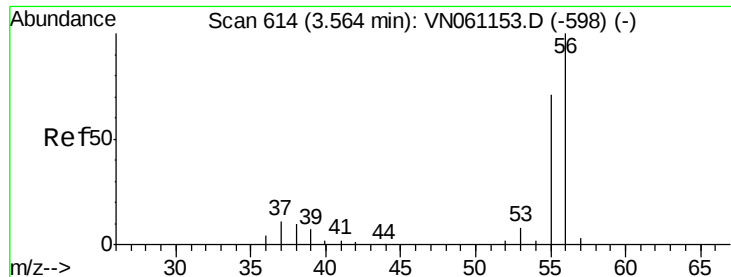
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.361 ug/l
RT: 3.69 min Scan# 653
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	20365		
61	184.1		147.0	220.6
98	61.3		49.8	74.6





#13

Acrolein

Concen: 88.049 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 56 Resp: 12399

Ion Ratio Lower Upper

56 100

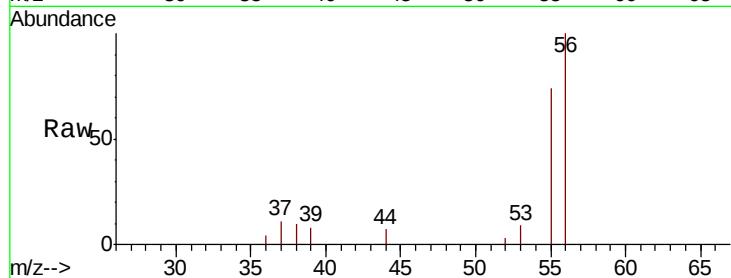
55 72.6 58.5 87.7

Manual Integrations

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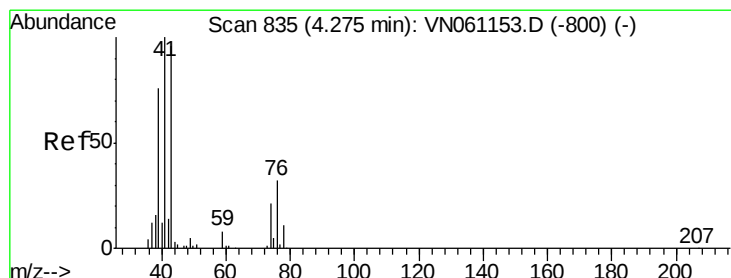
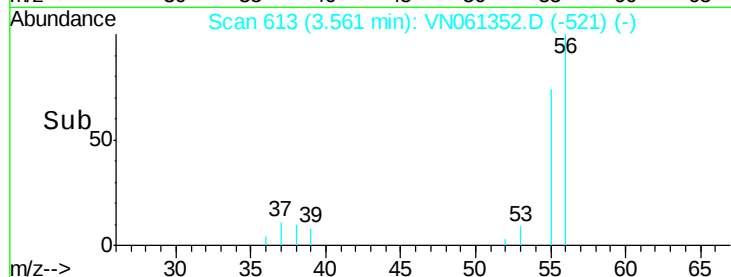
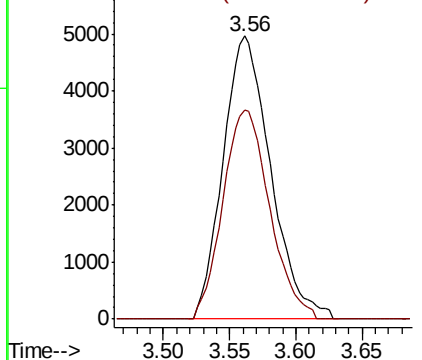
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.496 ug/l

RT: 4.27 min Scan# 833

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

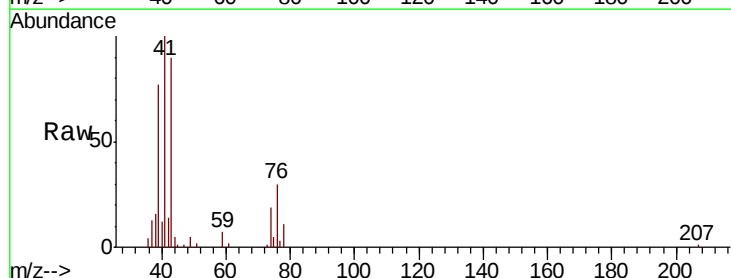
Tgt Ion: 41 Resp: 43873

Ion Ratio Lower Upper

41 100

39 71.0 57.1 85.7

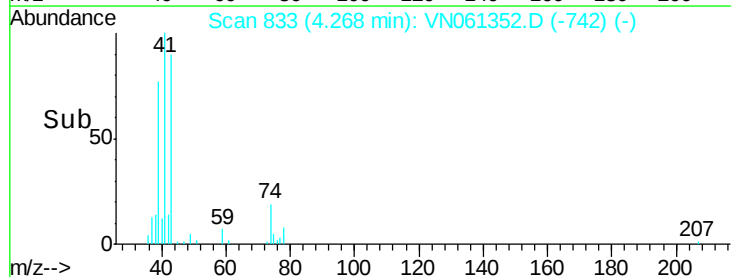
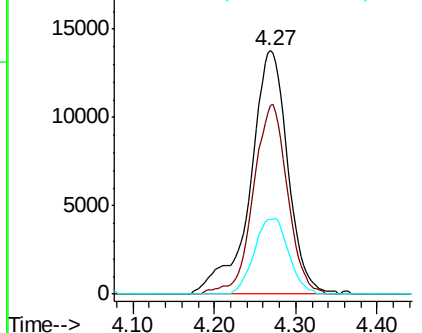
76 28.2 24.3 36.5

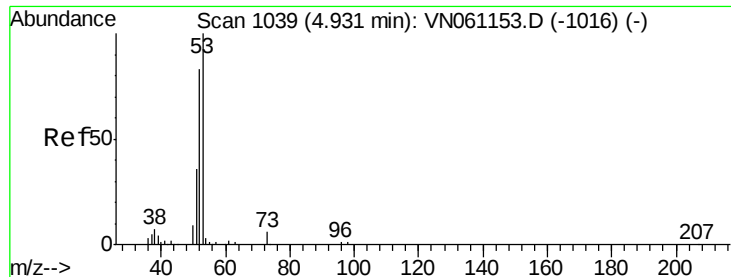


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





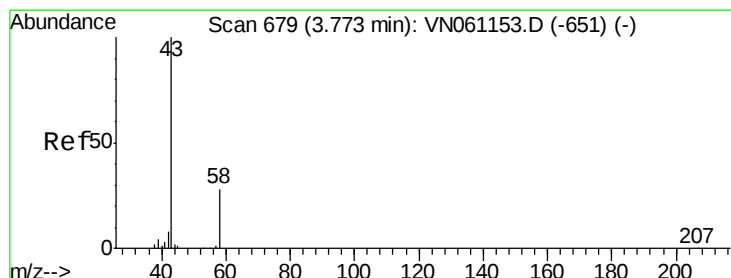
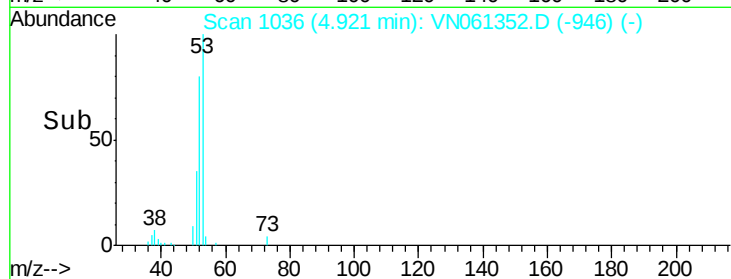
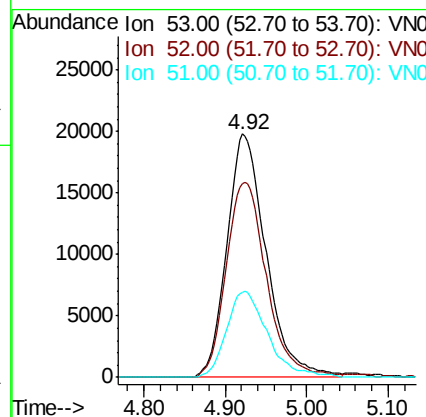
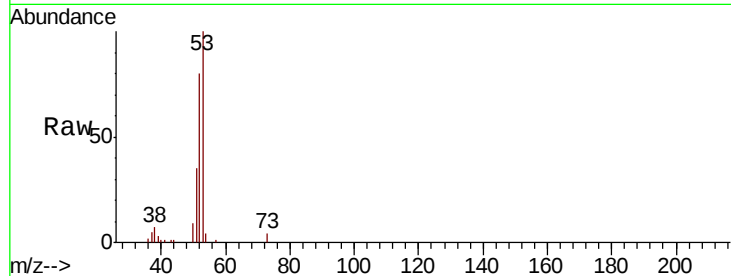
#15
 Acrylonitrile
 Concen: 102.584 ug/l
 RT: 4.92 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	37.1	29.5	44.3

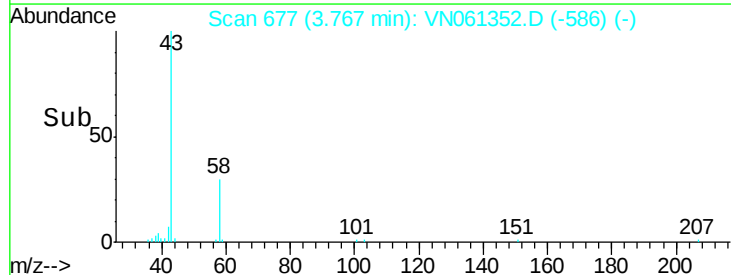
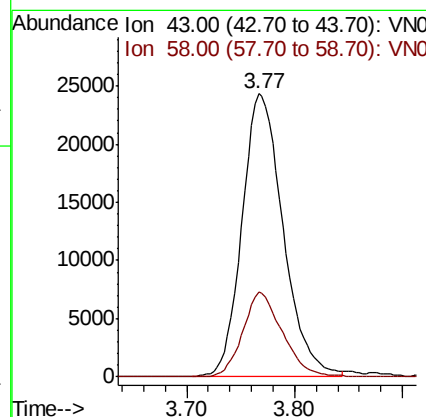
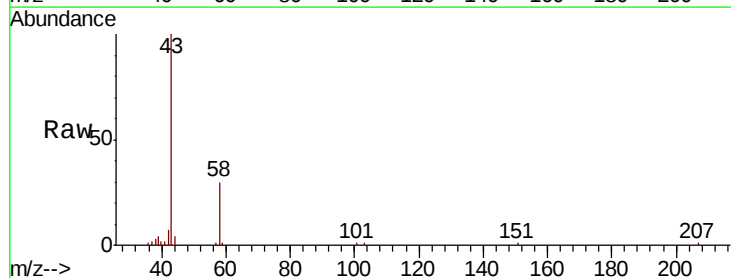
Manual Integrations
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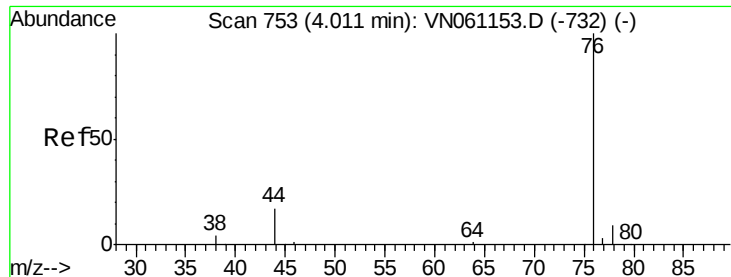
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#16
 Acetone
 Concen: 102.637 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.2	33.2





#17

Carbon Disulfide

Concen: 14.737 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 76 Resp: 42818

Ion Ratio Lower Upper

76 100

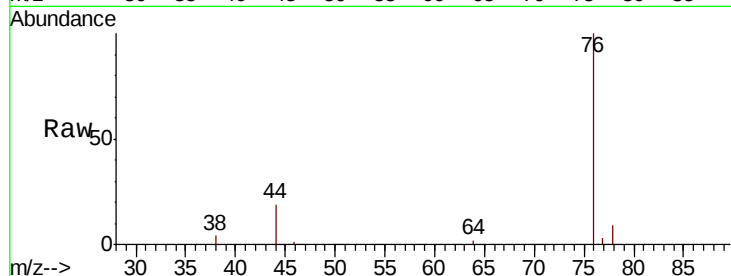
78 9.1 7.2 10.8

Manual Integrations

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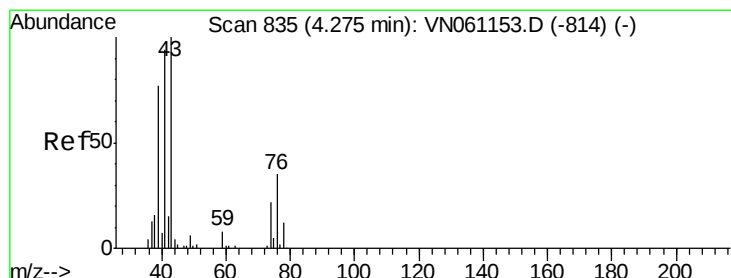
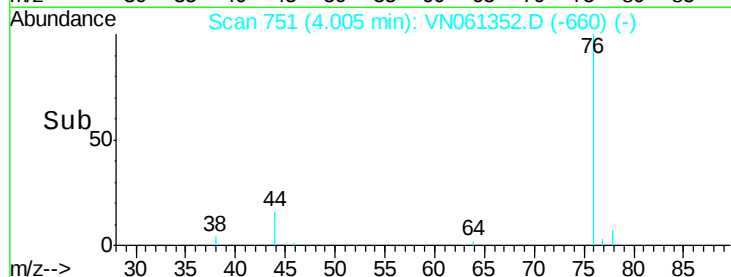
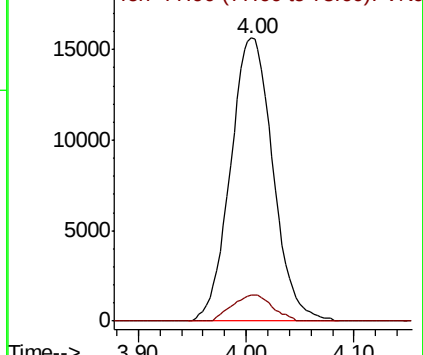
MMDadoda

5/11/2020 12:36:35 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.827 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061352.D

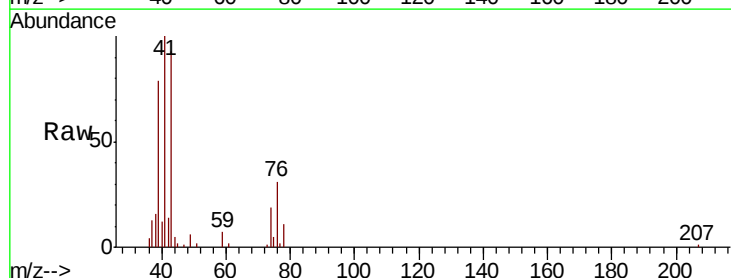
Acq: 8 May 2020 11:24

Tgt Ion: 43 Resp: 36634

Ion Ratio Lower Upper

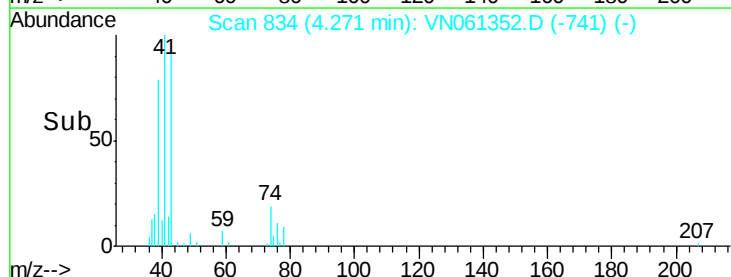
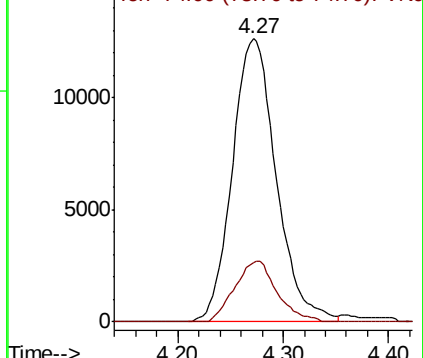
43 100

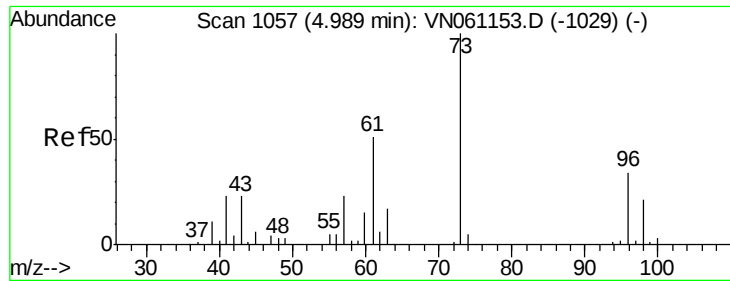
74 20.6 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





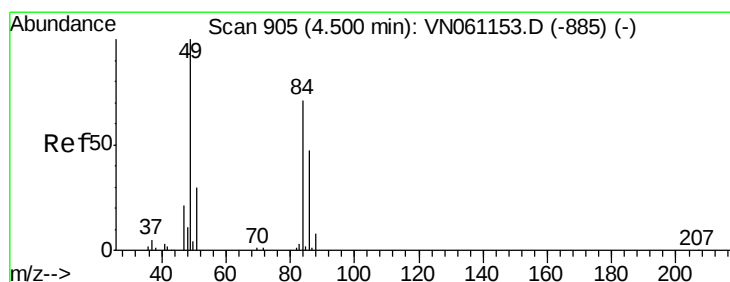
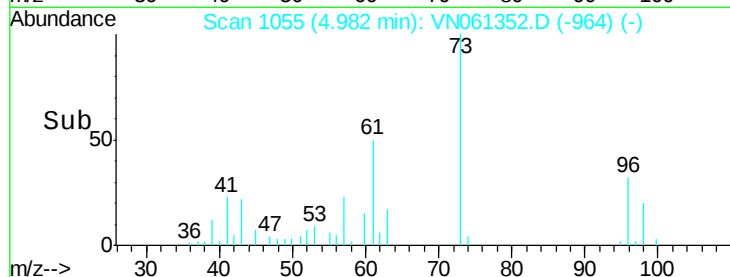
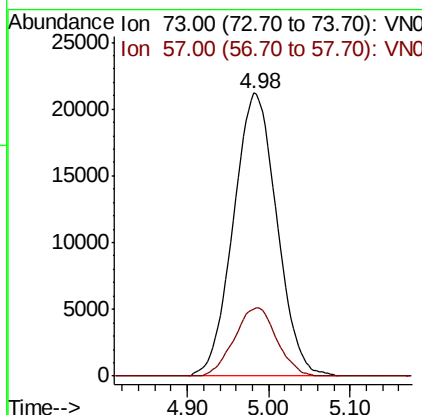
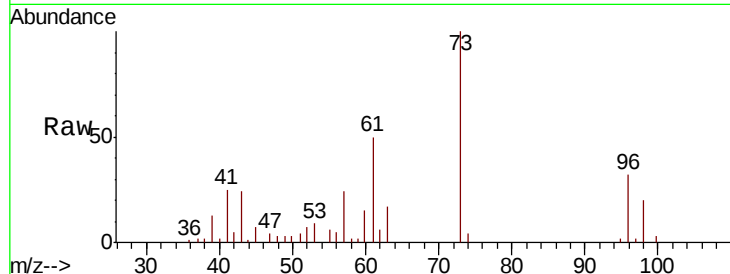
#19
Methvl tert-butvl Ether
Concen: 19.504 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion: 73 Resp: 78391
Ion Ratio Lower Upper
73 100
57 23.9 18.3 27.5

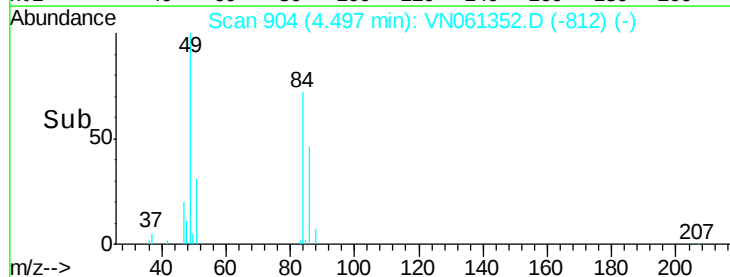
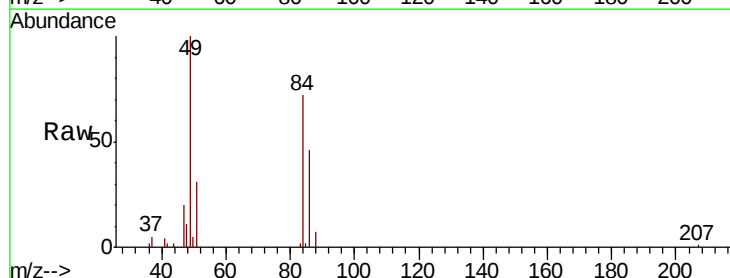
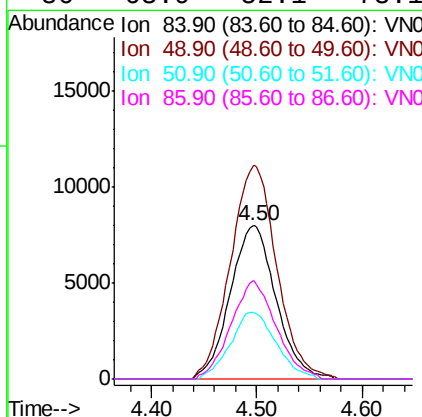
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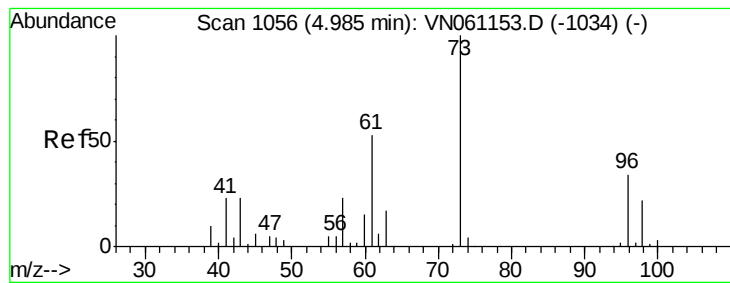
MMDadoda
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#20
Methylene Chloride
Concen: 19.586 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 84 Resp: 24092
Ion Ratio Lower Upper
84 100
49 139.2 112.0 168.0
51 43.3 33.6 50.4
86 63.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.884 ug/l

RT: 4.98 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VN0508WBS01

Tot Ion: 96 Resp: 21629

Ion Ratio Lower Upper

96 100

61 157.0 123.0 184.4

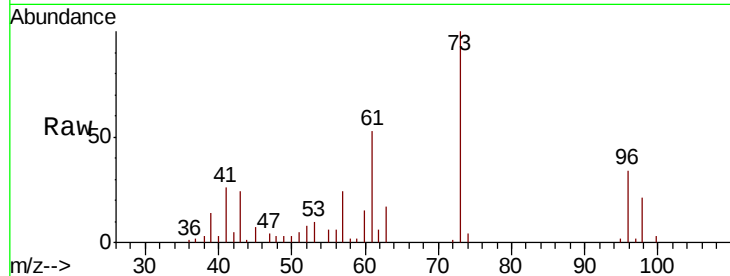
98 62.7 50.1 75.1

Manual Integrations

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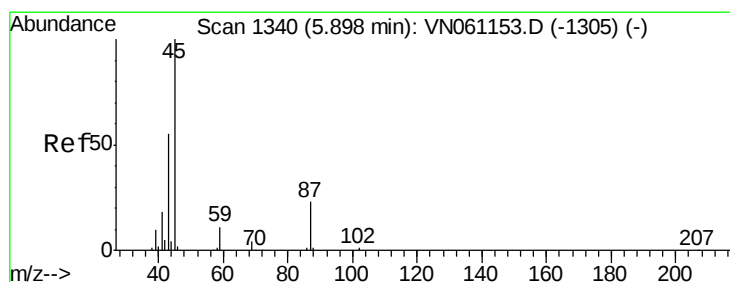
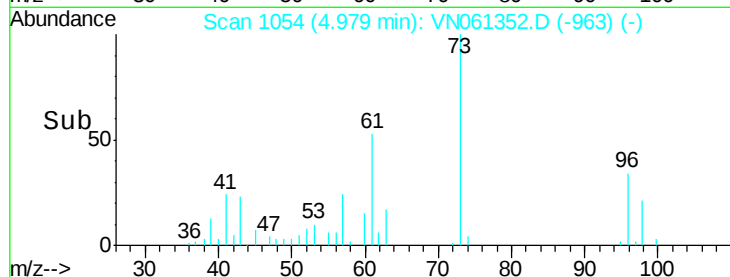
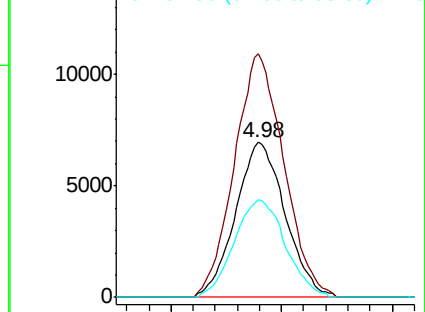


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.507 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion: 45 Resp: 92747

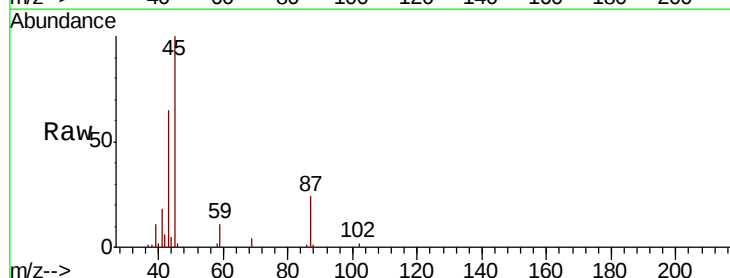
Ion Ratio Lower Upper

45 100

43 63.0 47.9 71.9

87 23.5 19.2 28.8

59 10.7 9.0 13.4



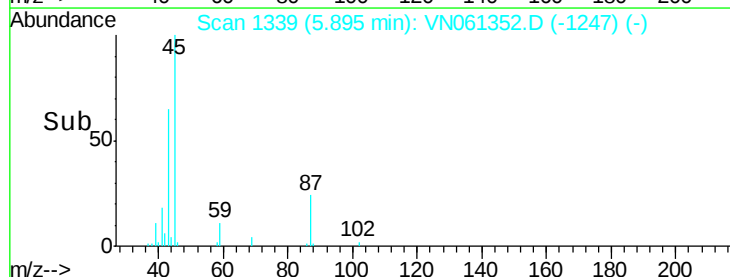
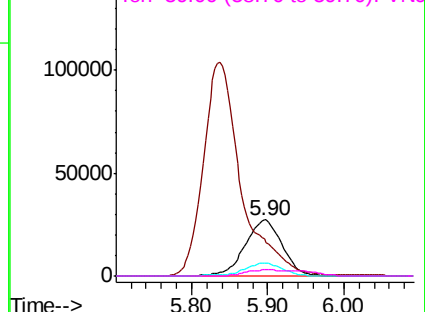
Abundance

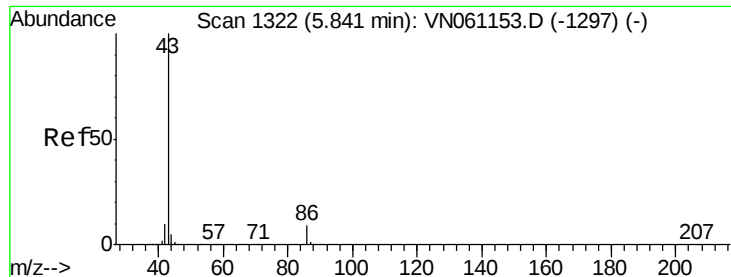
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





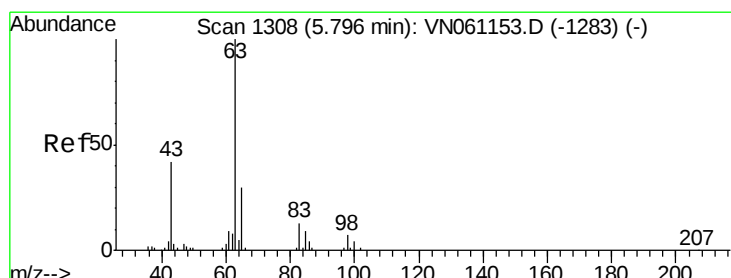
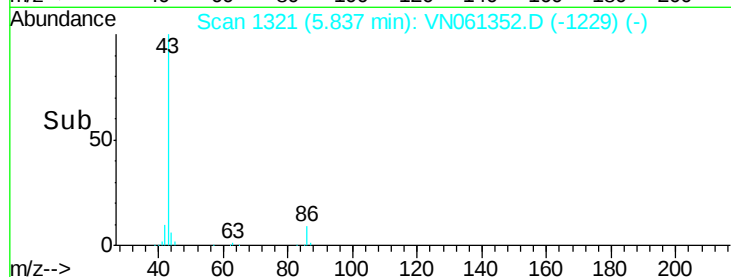
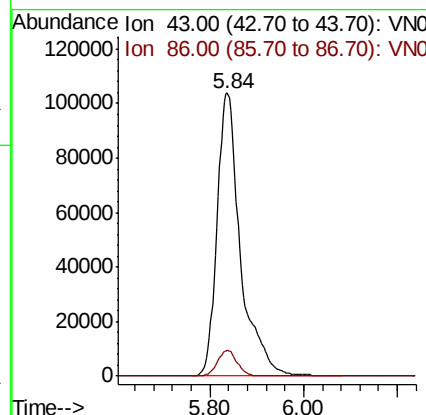
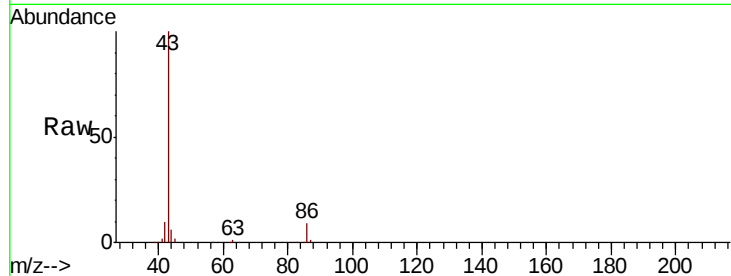
#23
 Vinyl Acetate
 Concen: 99.252 ug/l
 RT: 5.84 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.2	10.8

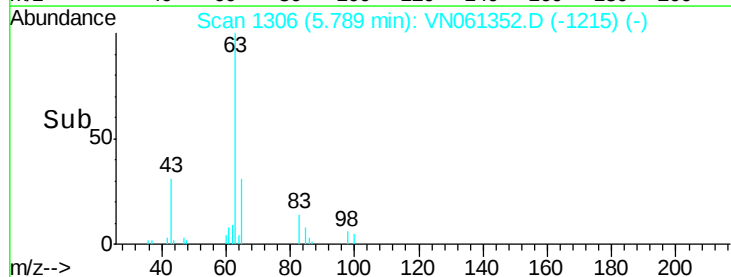
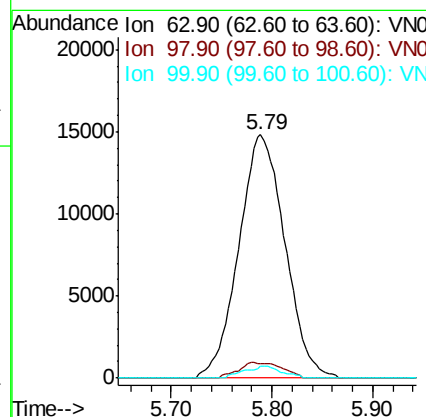
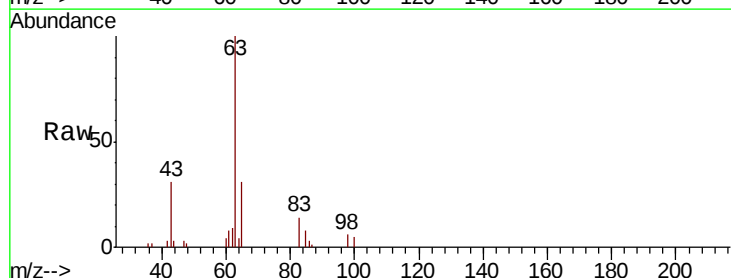
Manual Integrations
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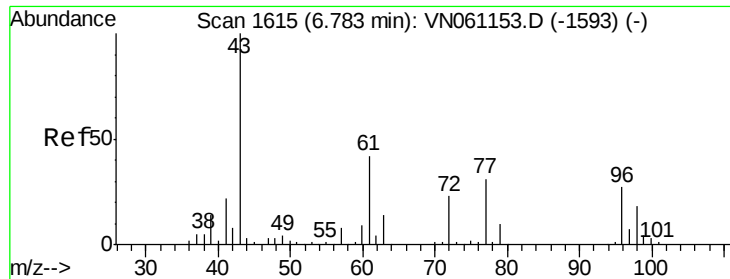
MMDadoda
 5/11/2020 12:36:35 PM



#24
 1,1-Dichloroethane
 Concen: 19.877 ug/l
 RT: 5.79 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.9
100	4.8	1.9	5.7





#25

2-Butanone

Concen: 100.303 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VN0508WBS01

Tot Ion: 43 Resp: 93626

Ion Ratio Lower Upper

43 100

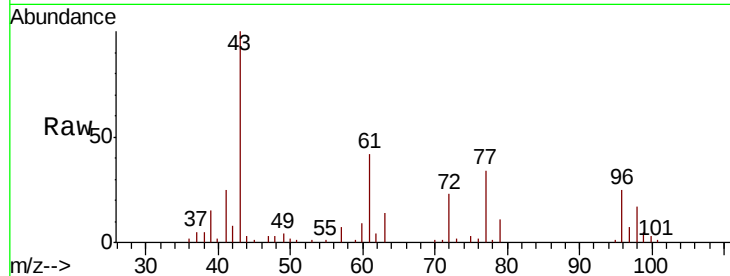
72 23.0 18.2 27.4

Manual Integrations

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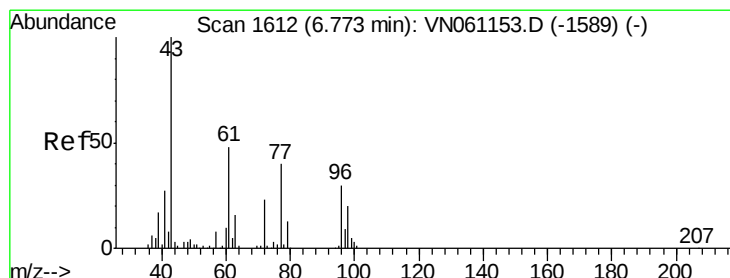
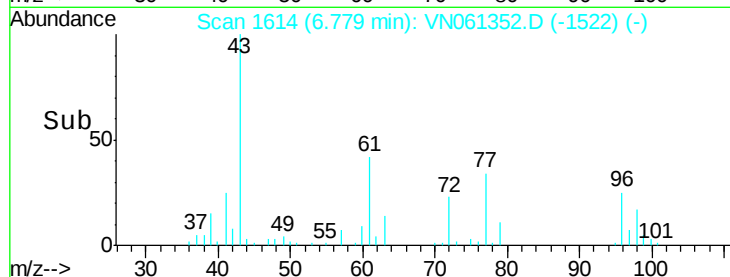
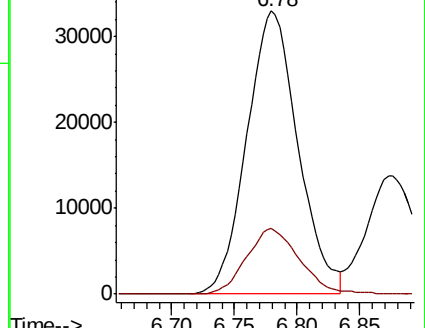
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Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1593) (-)

Ion 72.00 (71.70 to 72.70): VN061153.D (-1593) (-)



#26

2,2-Dichloropropane

Concen: 20.903 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VN061352.D

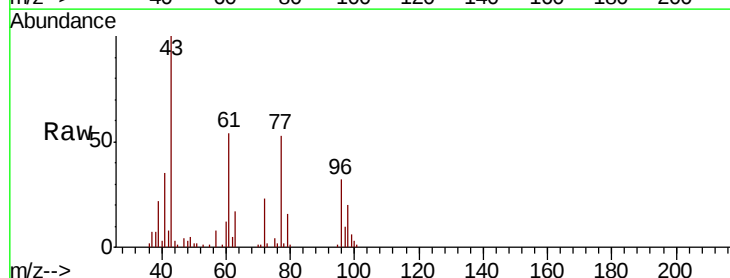
Acq: 8 May 2020 11:24

Tgt Ion: 77 Resp: 41603

Ion Ratio Lower Upper

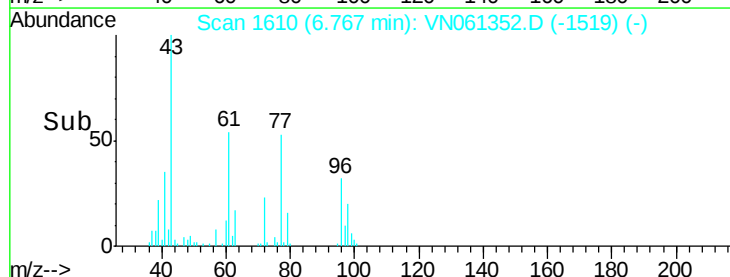
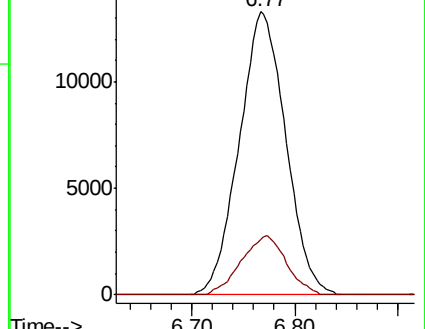
77 100

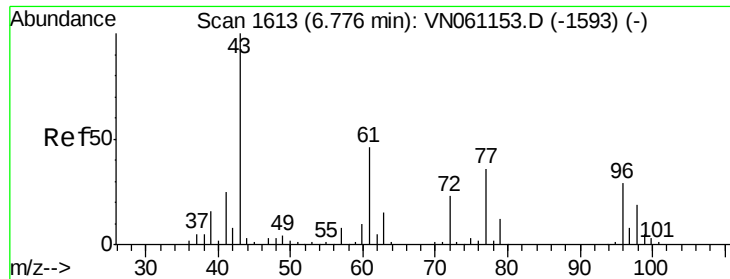
97 20.3 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN061153.D (-1589) (-)

Ion 96.90 (96.60 to 97.60): VN061153.D (-1589) (-)





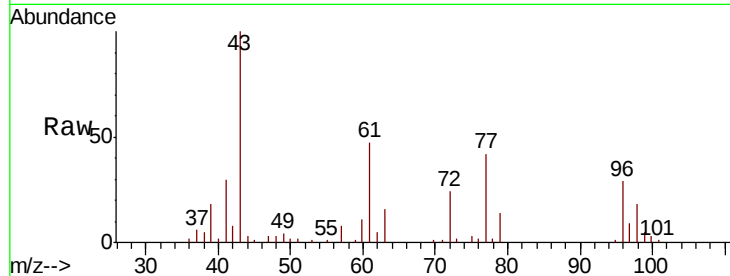
#27
 cis-1,2-Dichloroethene
 Concen: 19.142 ug/l
 RT: 6.77 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

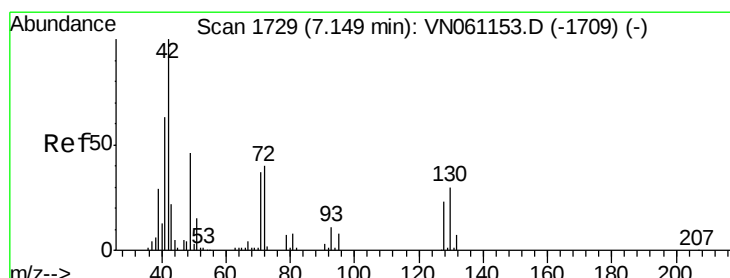
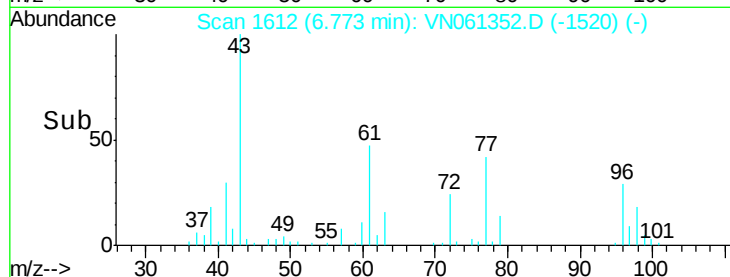
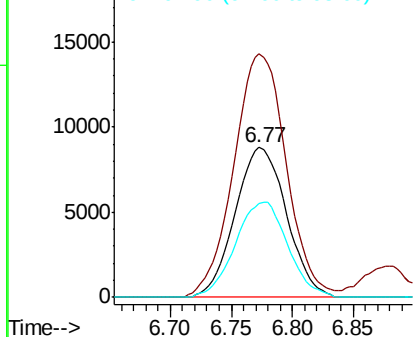
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	166.3	0.0	322.0	
98	64.7	0.0	129.6	

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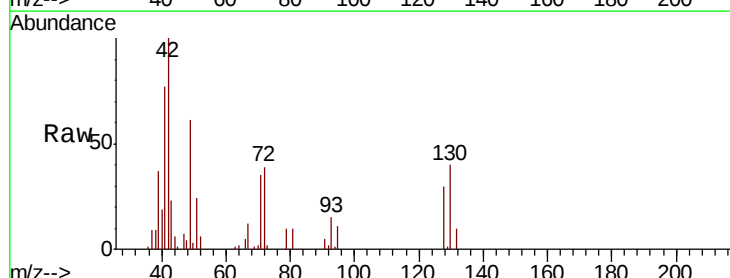


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

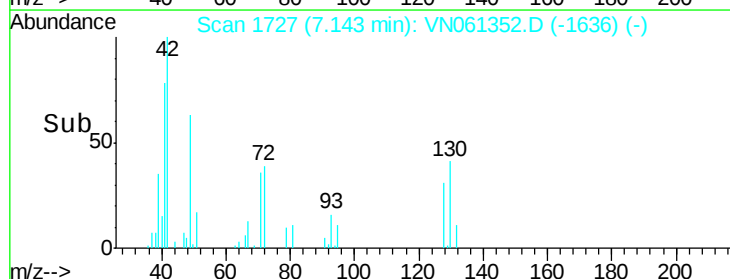
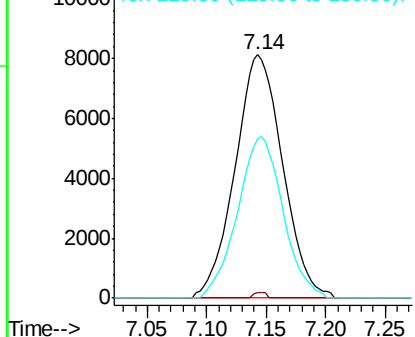


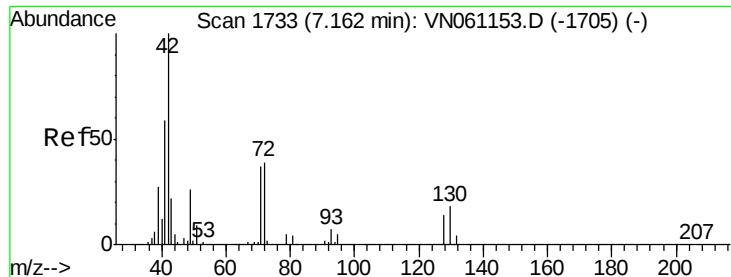
#28
 Bromochloromethane
 Concen: 20.122 ug/l
 RT: 7.14 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.6	0.0	3.0	
130	63.1	51.4	77.2	



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





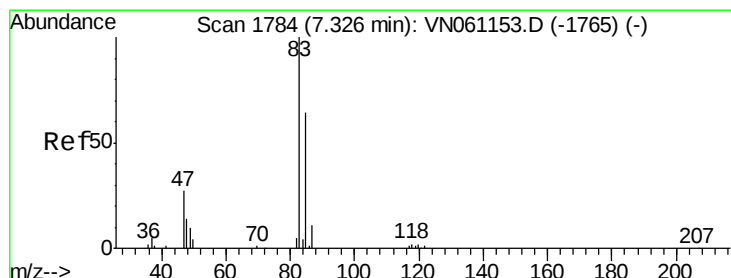
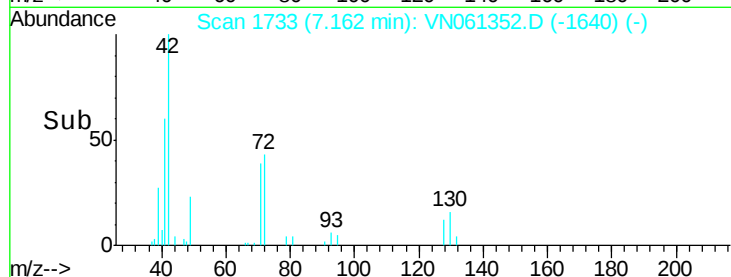
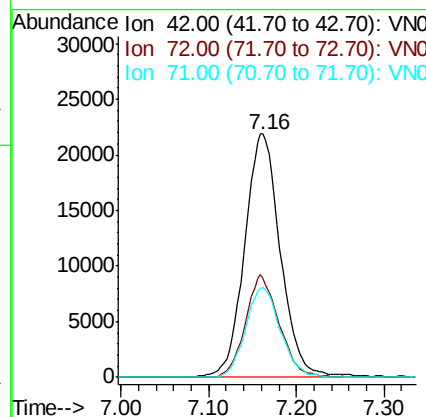
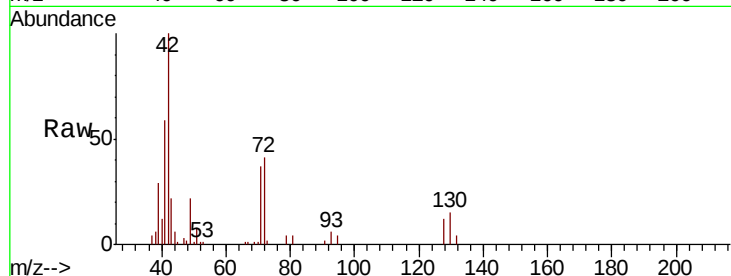
#29
Tetrahydrofuran
Concen: 98.588 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	35.9	29.5	44.3

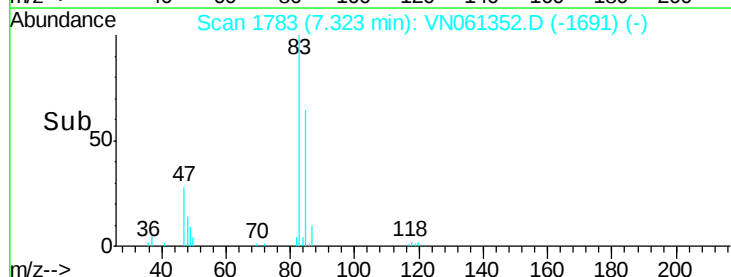
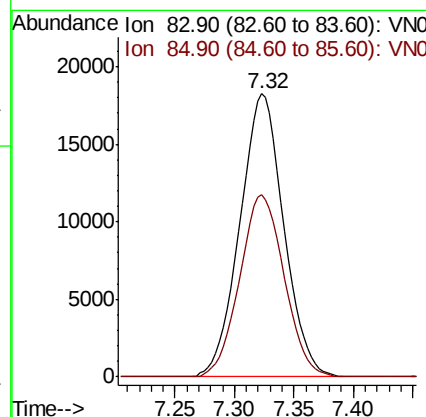
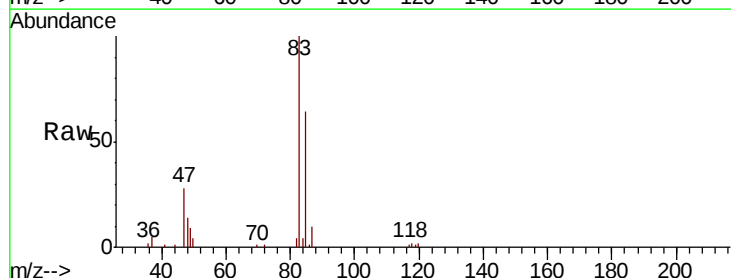
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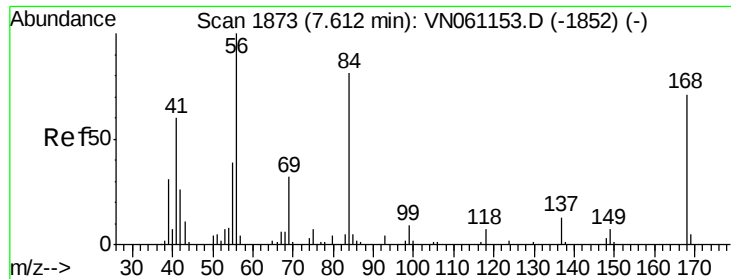
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#30
Chloroform
Concen: 19.452 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





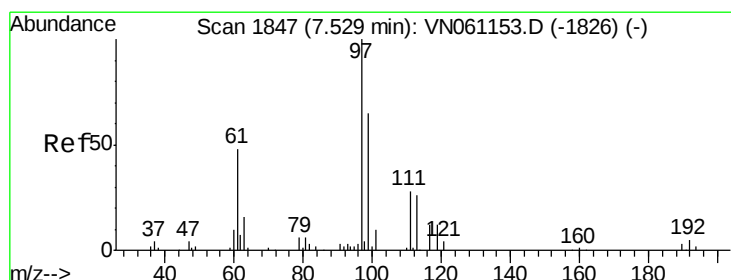
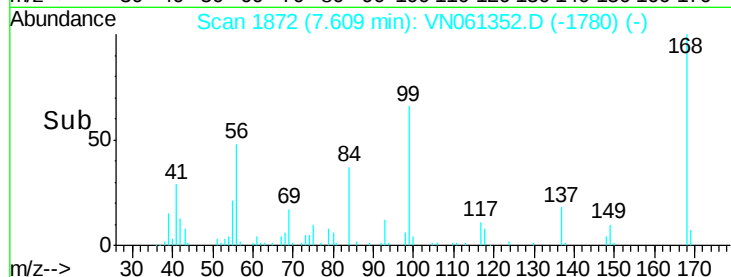
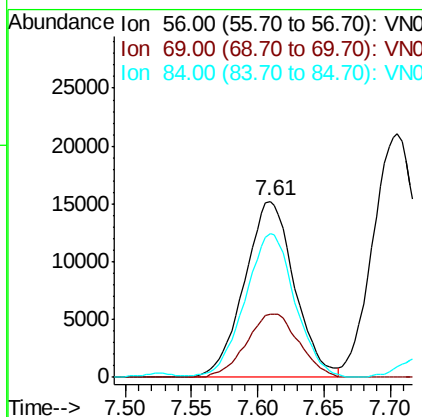
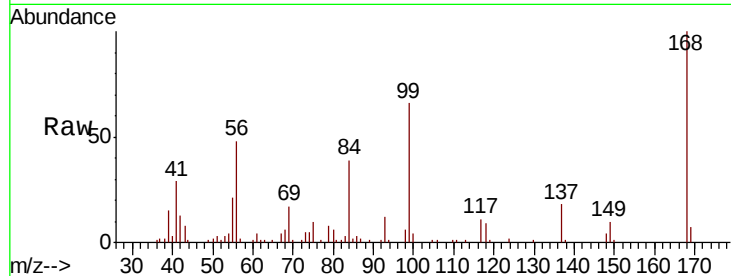
#31
Cyclohexane
Concen: 17.456 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.7	38.5
84	80.8	64.6	97.0

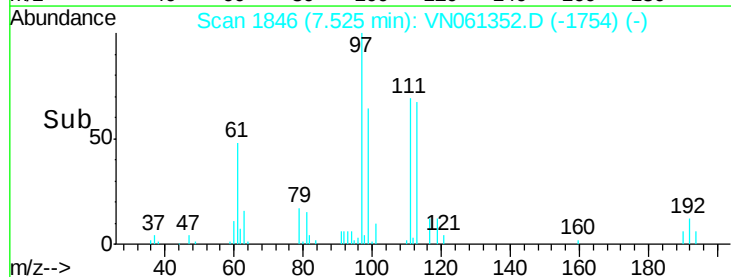
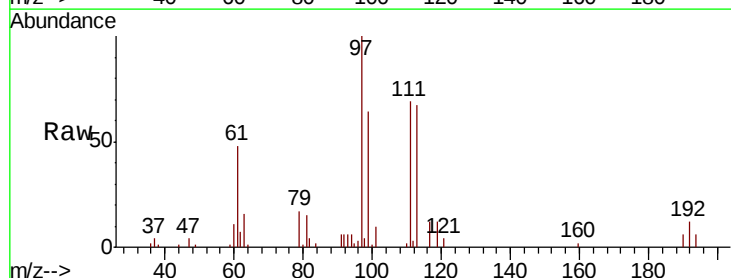
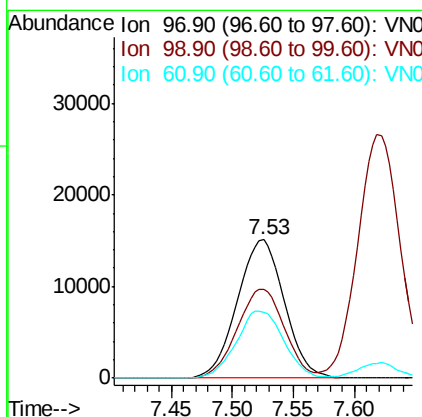
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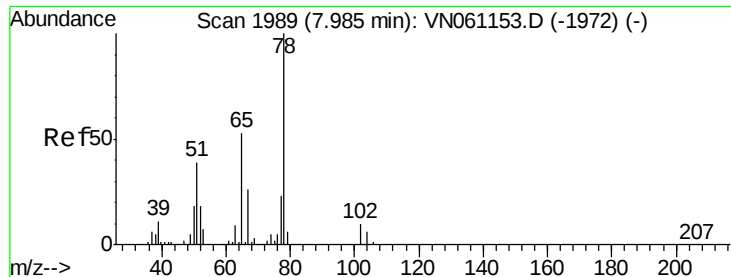
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#32
1,1,1-Trichloroethane
Concen: 19.341 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	49.1	38.6	57.8





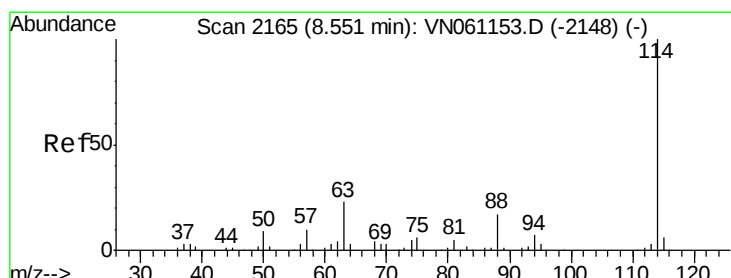
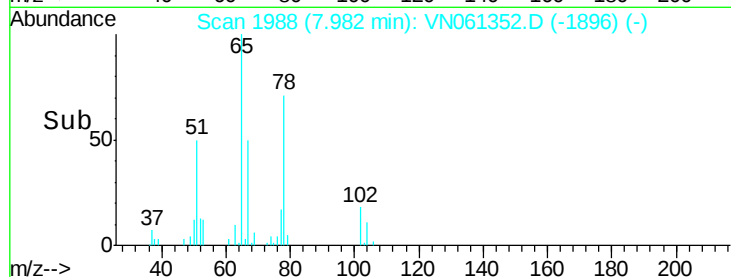
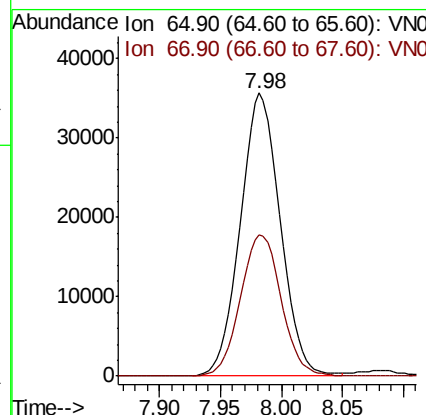
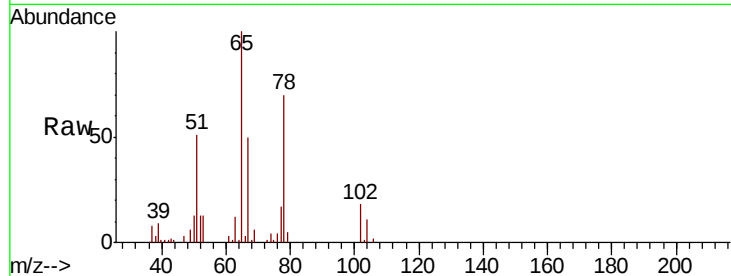
#33
 1,2-Dichloroethane-d4
 Concen: 51.249 ug/l
 RT: 7.98 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion: 65 Resp: 80843
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.6

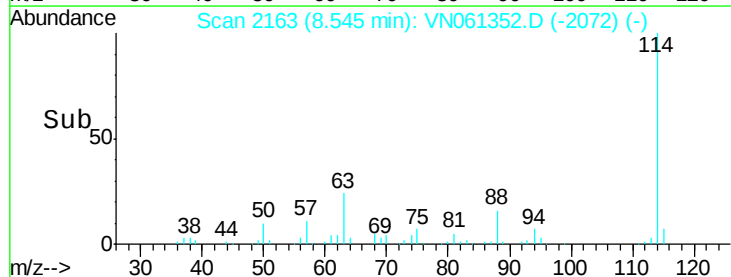
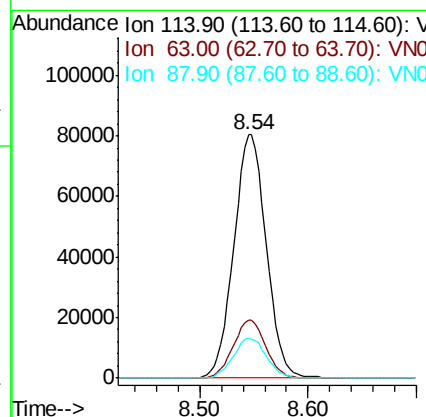
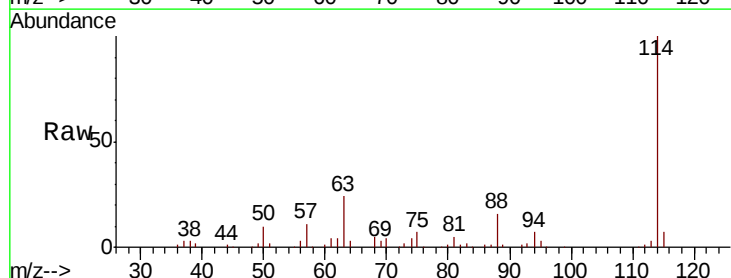
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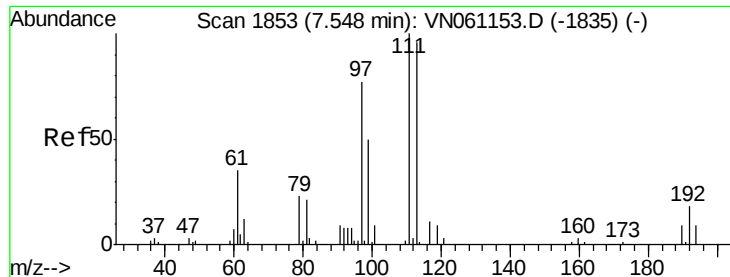
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion: 114 Resp: 168289
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 46.6
 88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.012 ug/l

RT: 7.54 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion:113 Resp: 46783

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

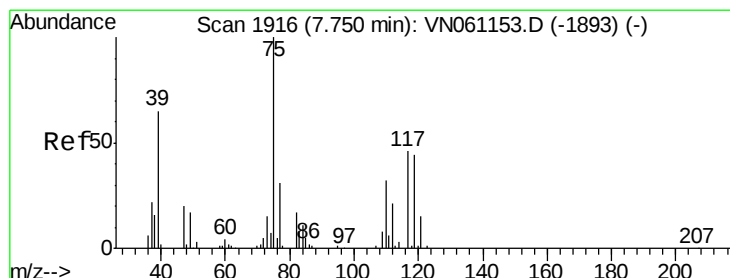
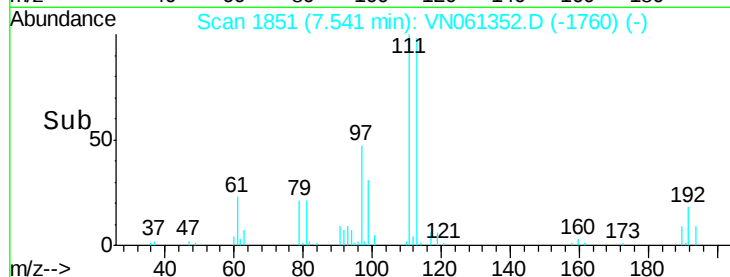
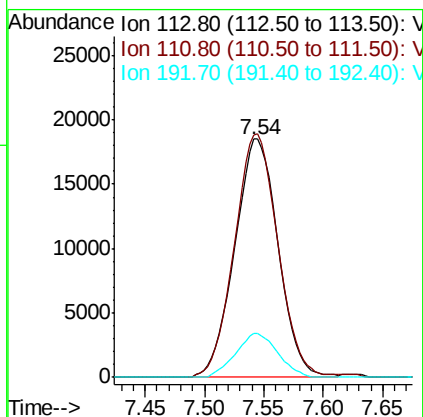
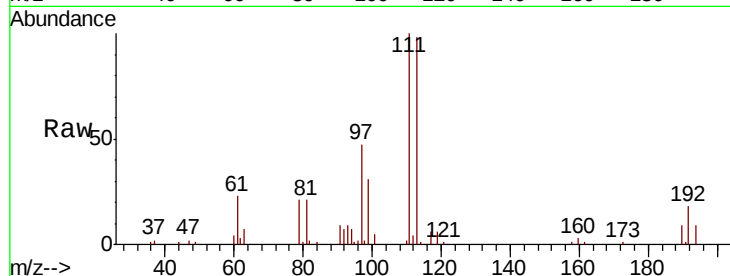
192 17.8 14.7 22.1

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#36

1,1-Dichloropropene

Concen: 19.411 ug/l

RT: 7.75 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

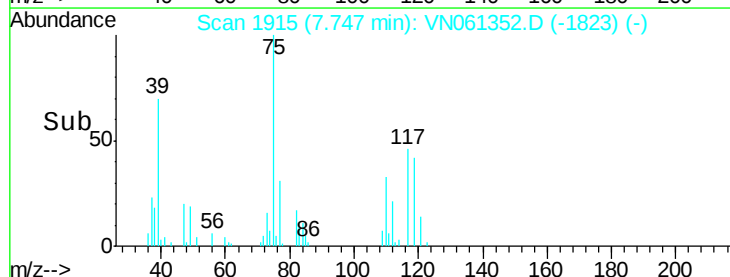
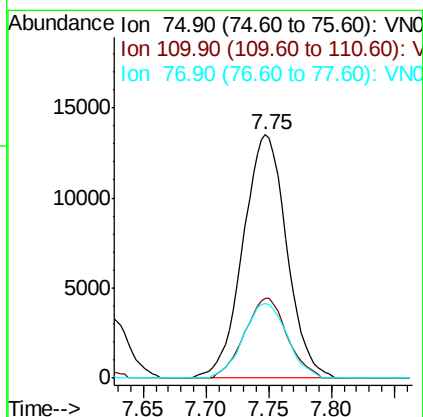
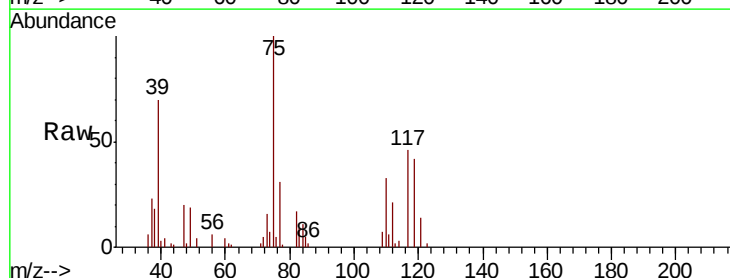
Tgt Ion: 75 Resp: 32701

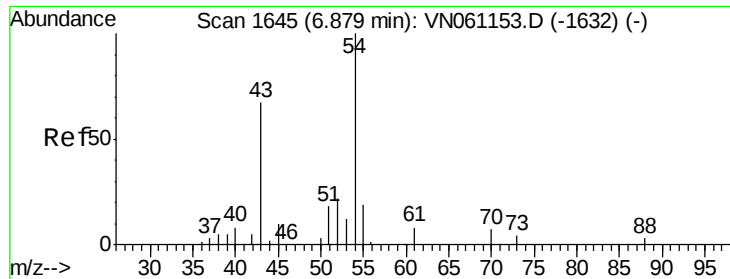
Ion Ratio Lower Upper

75 100

110 32.1 16.0 48.0

77 30.7 24.6 37.0





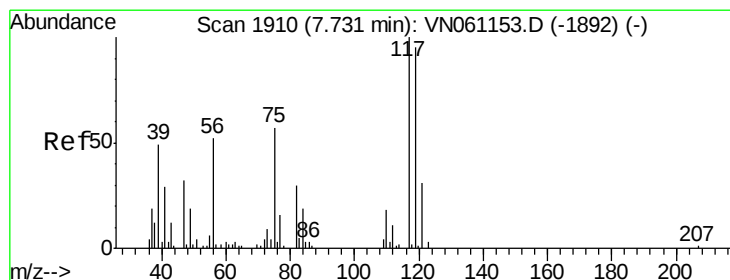
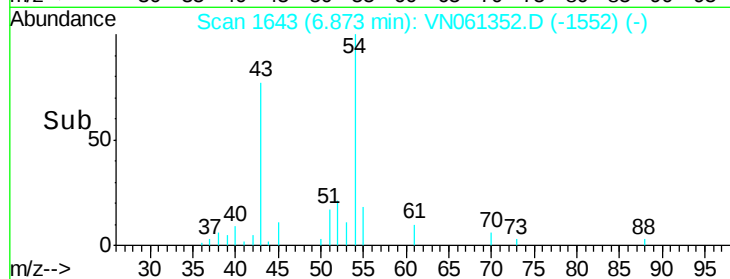
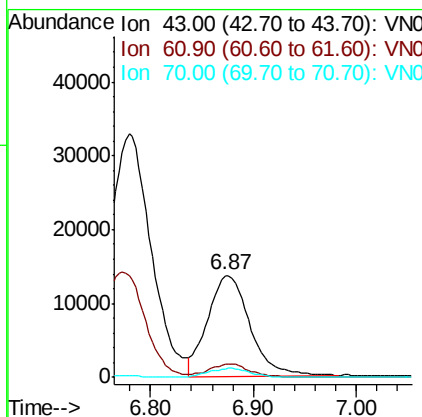
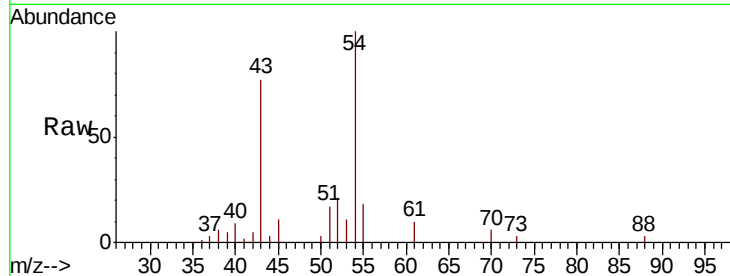
#37
Ethyl Acetate
Concen: 19.692 ug/l
RT: 6.87 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	8.5	7.2	10.8

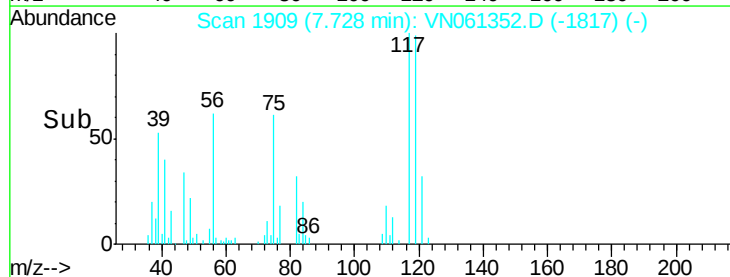
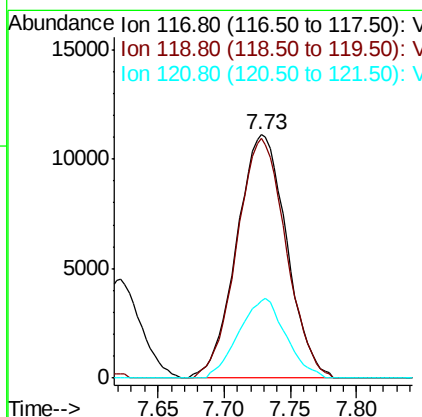
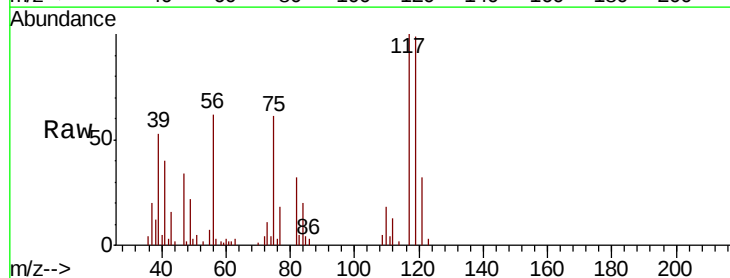
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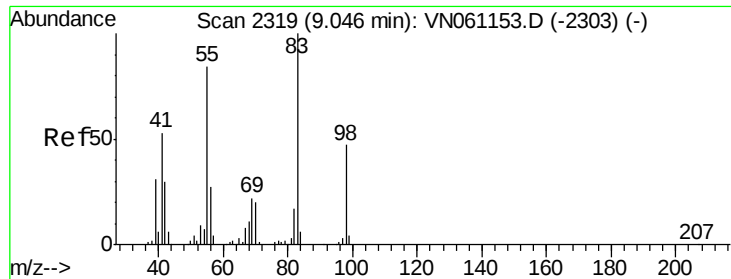
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#38
Carbon Tetrachloride
Concen: 20.402 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	75.8	113.6
121	32.0	24.7	37.1





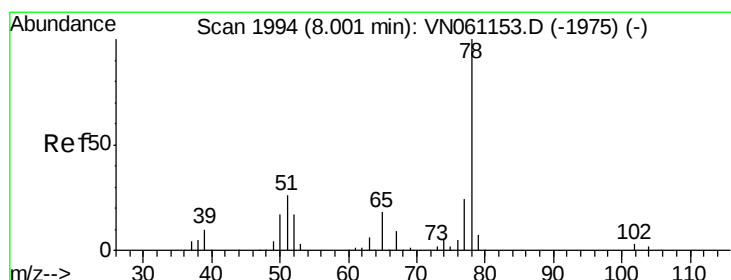
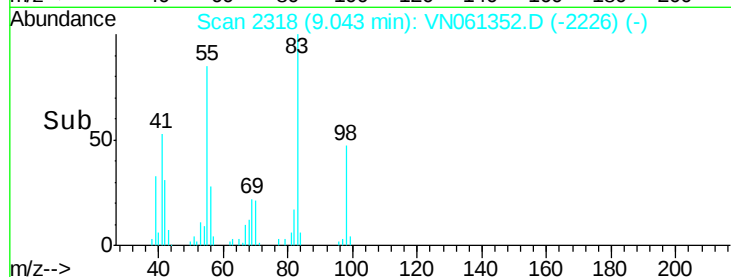
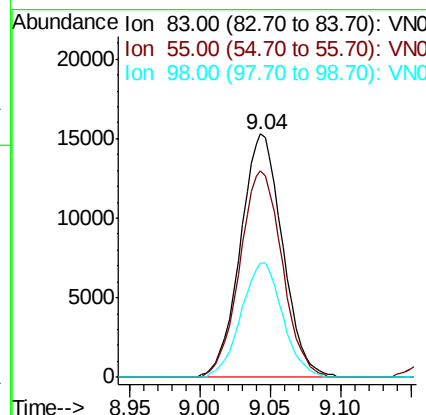
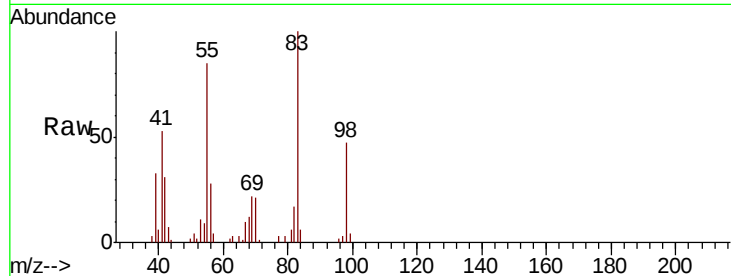
#39
Methvlcvclohexane
Concen: 16.913 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.0	67.3	100.9
98	47.1	37.7	56.5

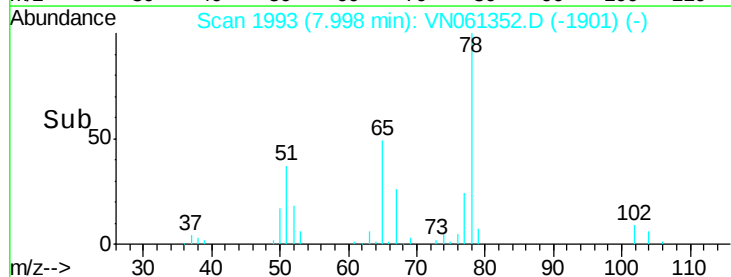
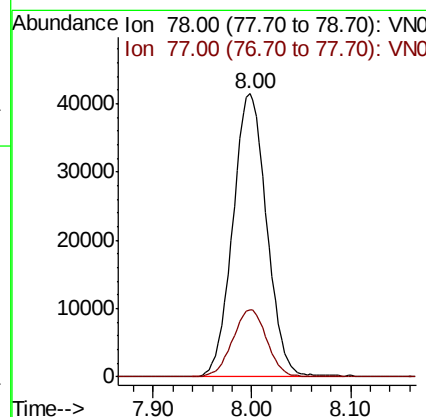
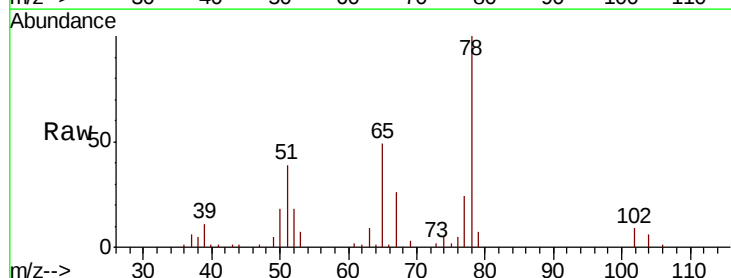
Manual Integrations
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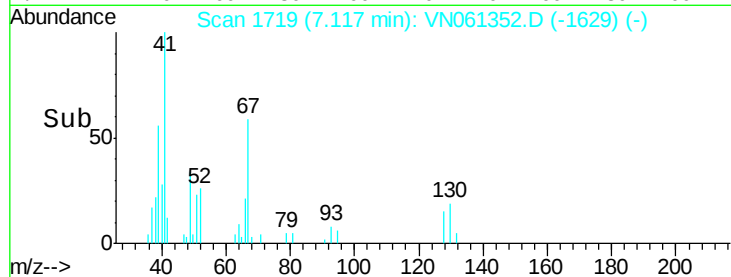
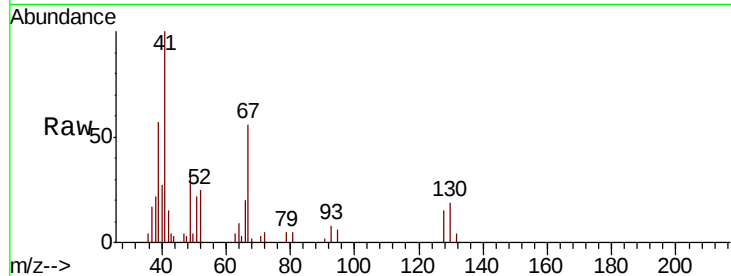
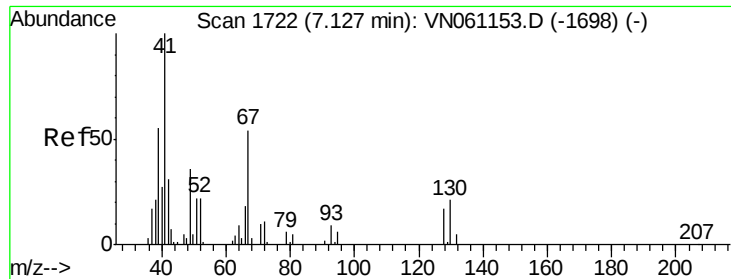
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#40
Benzene
Concen: 19.755 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





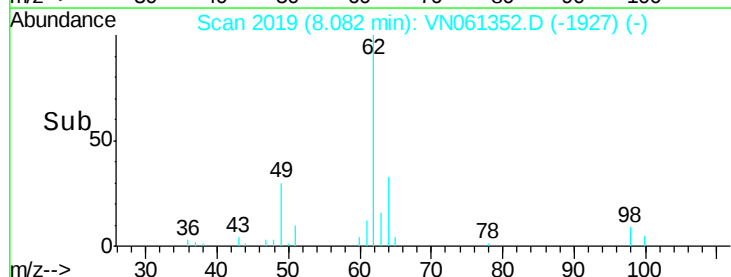
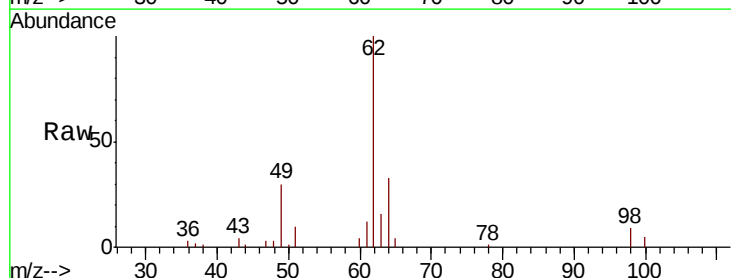
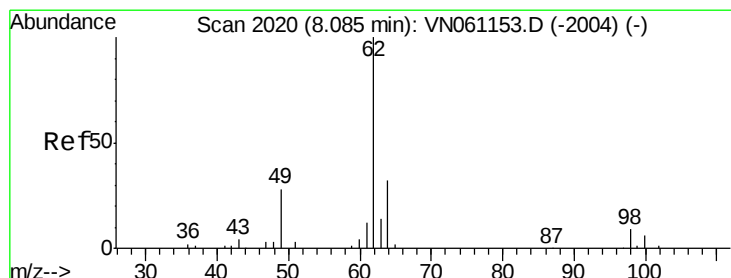
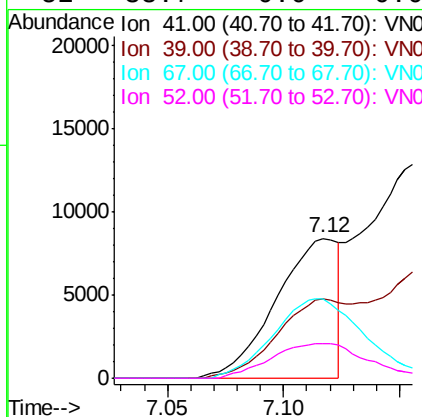
#41
Methacrylonitrile
Concen: 19.024 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	66.8	0.0	0.0#		
67	83.6	0.0	0.0#		
52	38.7	0.0	0.0#		

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

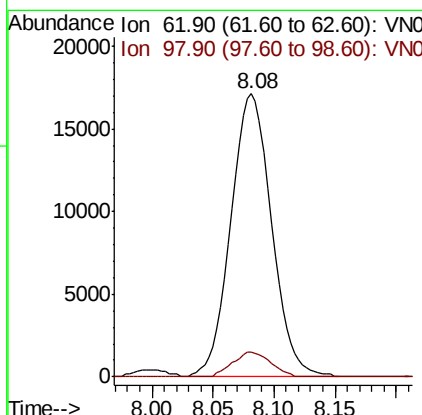
Manual Integrations
APPROVED

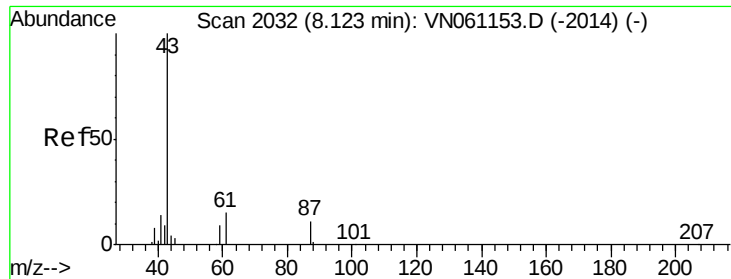
MMDadoda
5/11/2020 12:36:35 PM



#42
1,2-Dichloroethane
Concen: 20.882 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.1	0.0	16.8		





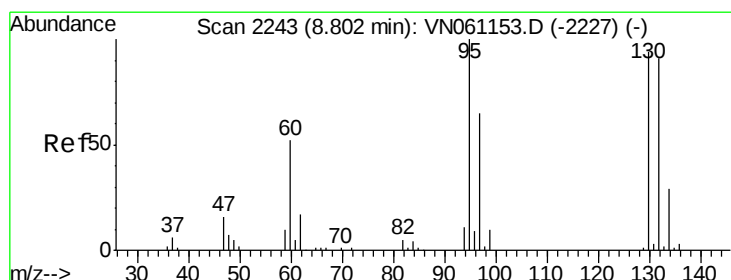
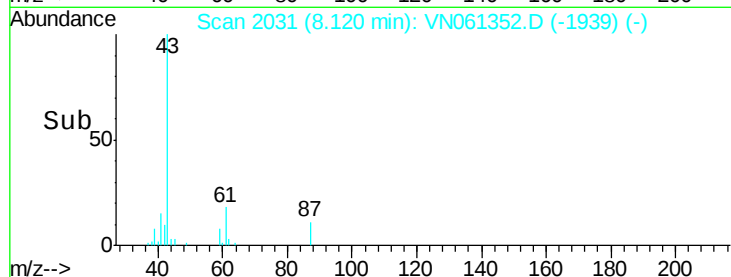
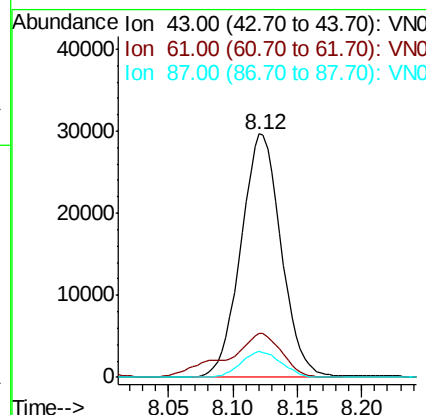
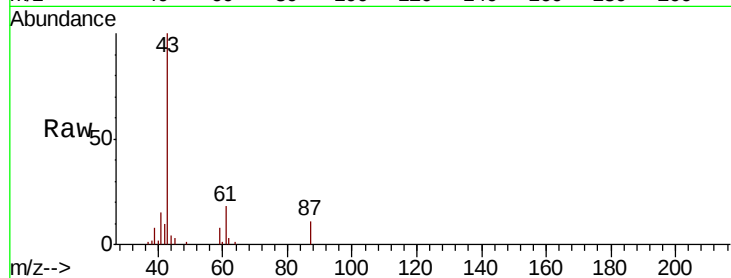
#43
Isopropyl Acetate
Concen: 19.694 ug/l
RT: 8.12 min Scan# 2031
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	19.5	29.3#
87	10.5	8.9	13.3

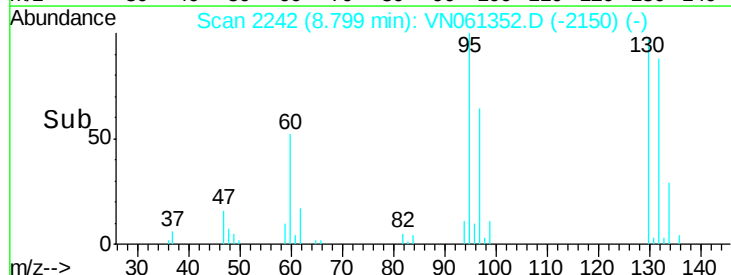
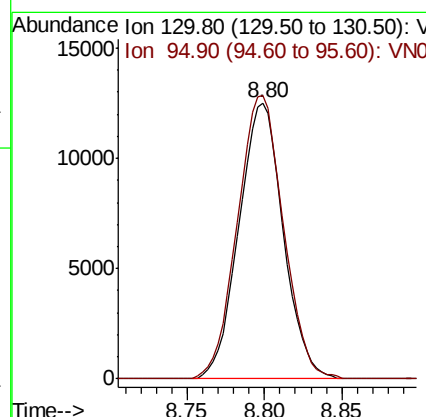
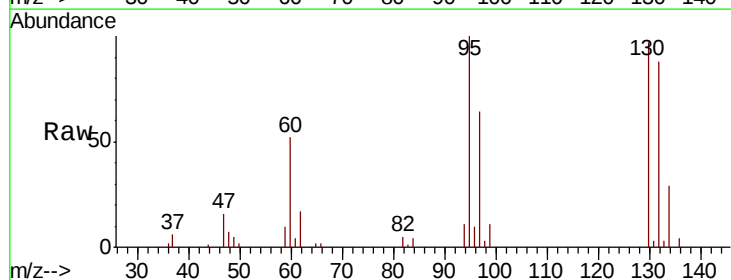
Manual Integrations
APPROVED

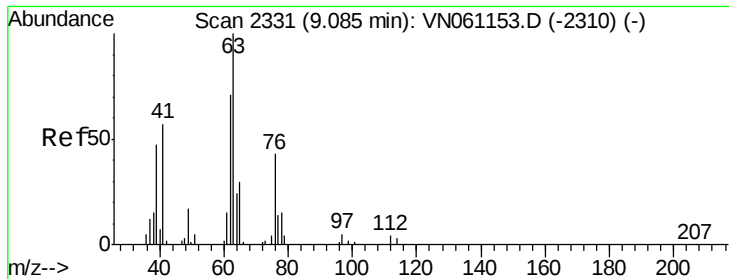
MMDadoda
5/11/2020 12:36:35 PM



#44
Trichloroethene
Concen: 18.397 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	212.4





#45

1,2-Dichloropropane

Concen: 20.065 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VN0508WBS01

Tot Ion: 63 Resp: 26904

Ion Ratio Lower Upper

63 100

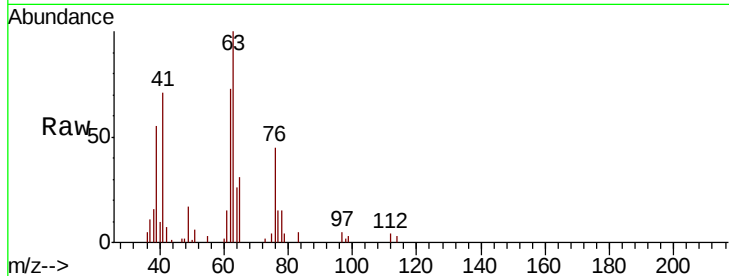
65 31.5 24.7 37.1

Manual Integrations

APPROVED

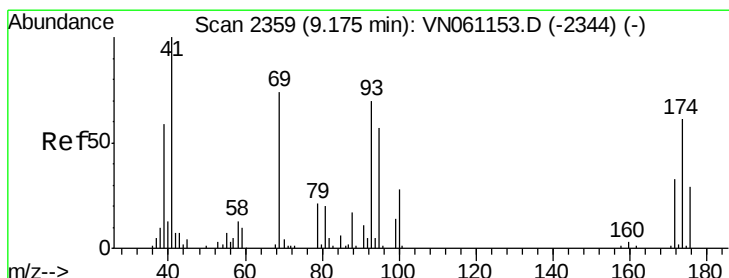
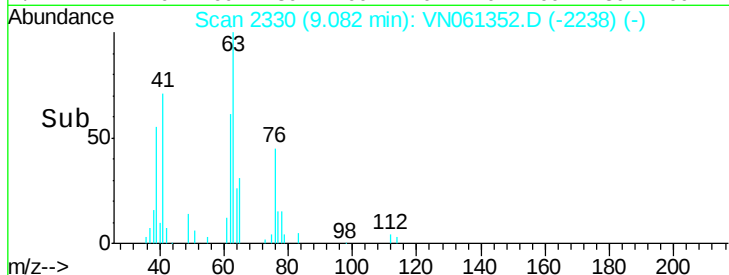
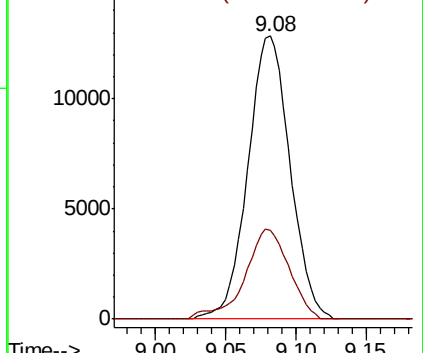
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.410 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

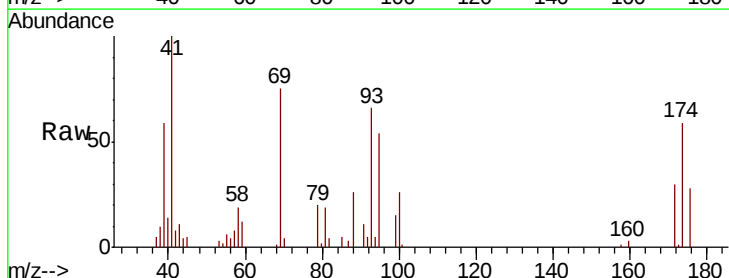
Tgt Ion: 93 Resp: 16945

Ion Ratio Lower Upper

93 100

95 81.7 66.6 99.8

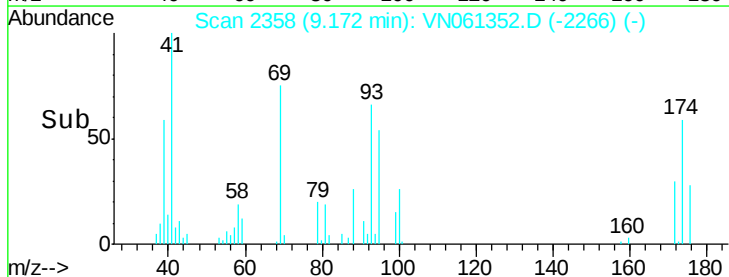
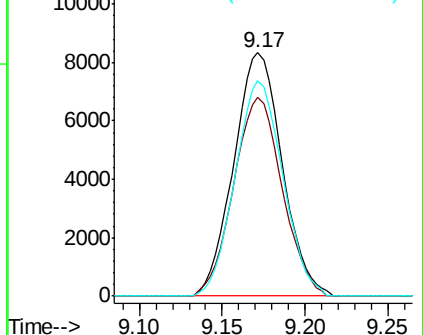
174 86.8 70.2 105.2

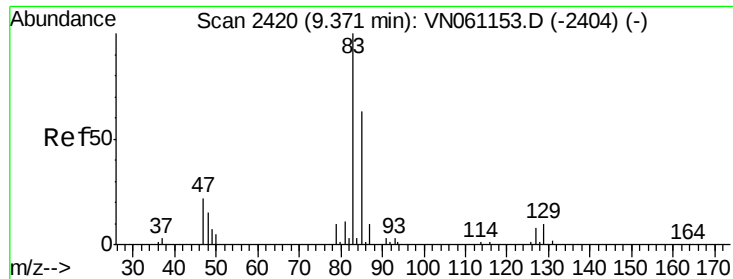


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.921 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

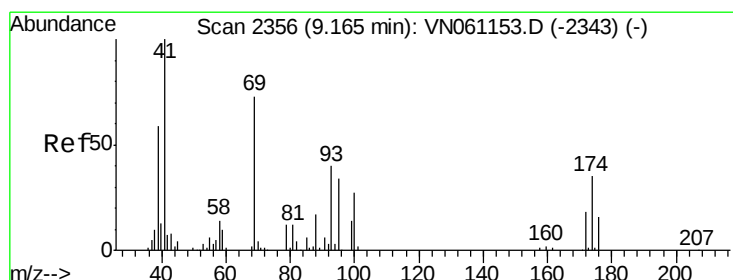
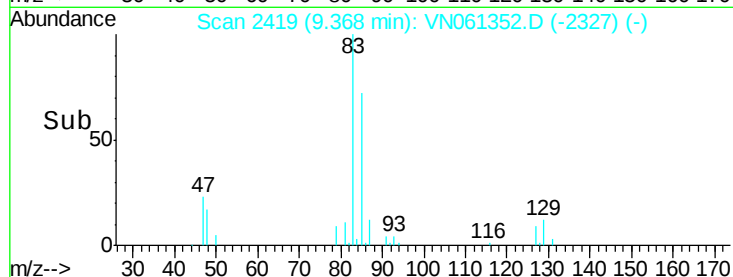
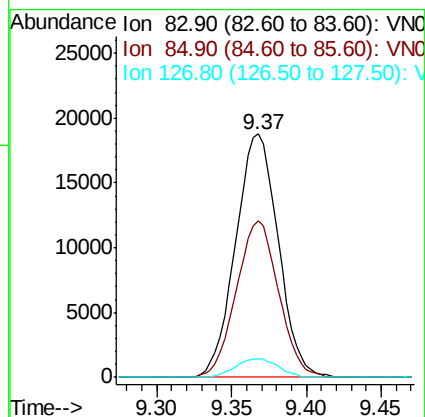
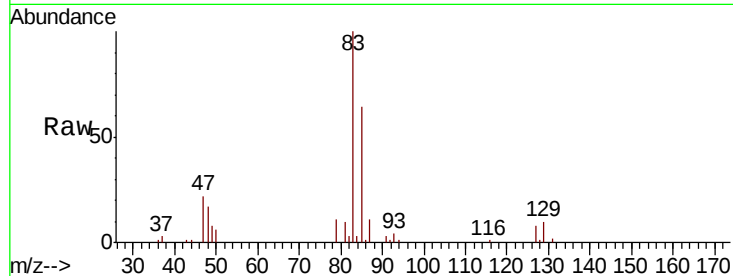
ClientSampled :

VN0508WBS01

Tot Ion:	83	Resp:	37281
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.4	75.6
127	7.8	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.900 ug/l

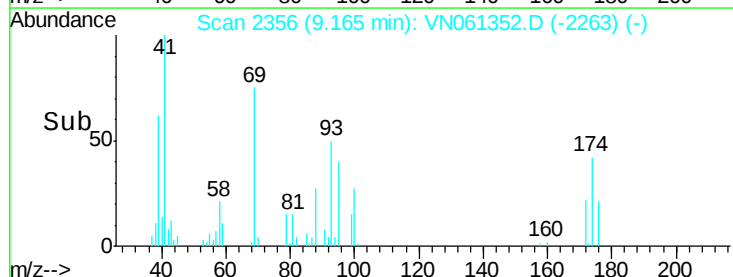
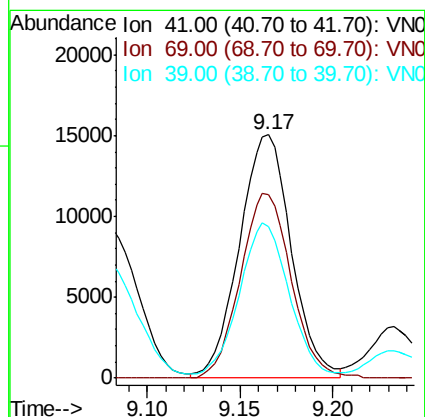
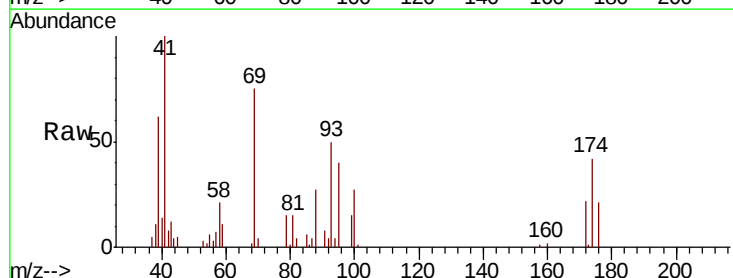
RT: 9.17 min Scan# 2356

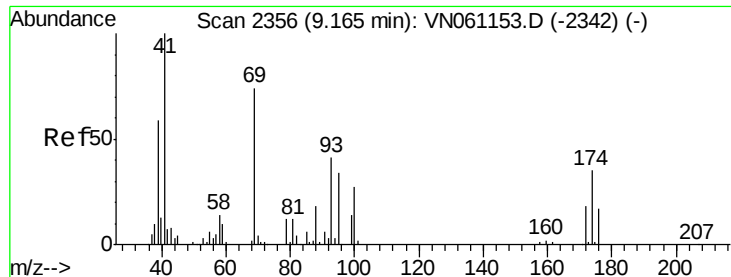
Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:	41	Resp:	29433
Ion Ratio	Lower	Upper	
41	100		
69	74.4	60.3	90.5
39	62.0	47.4	71.0





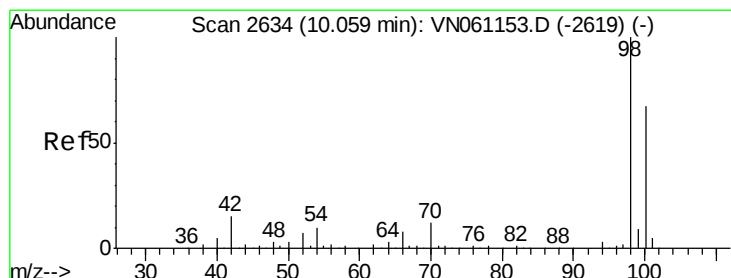
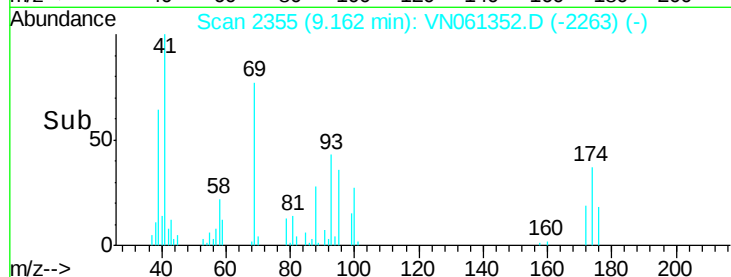
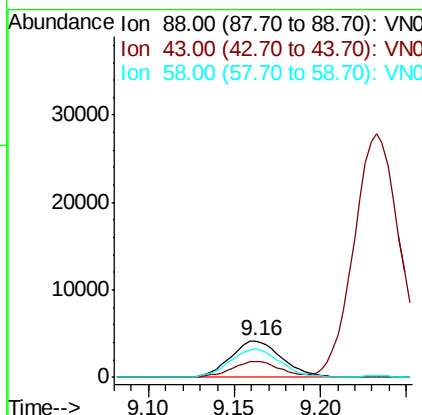
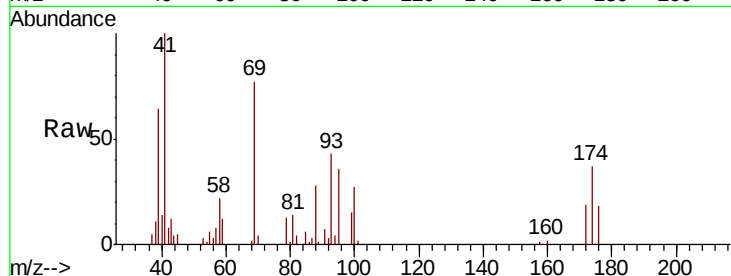
#49
1,4-Dioxane
Concen: 510.864 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	35.3	52.9
58	75.6	61.5	92.3

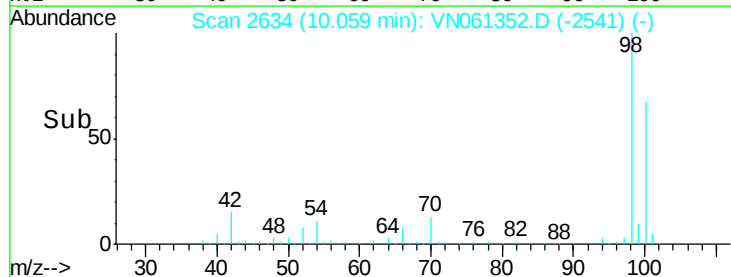
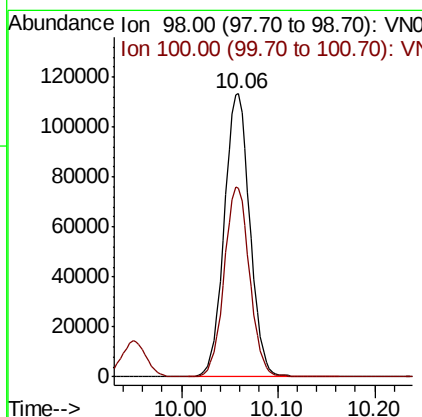
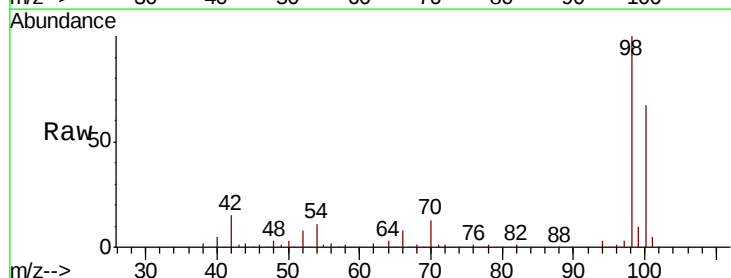
Manual Integrations
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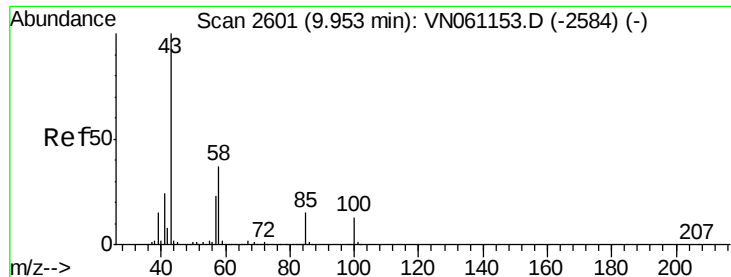
MMDadoda
5/11/2020 12:36:35 PM



#50
Toluene-d8
Concen: 51.349 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0





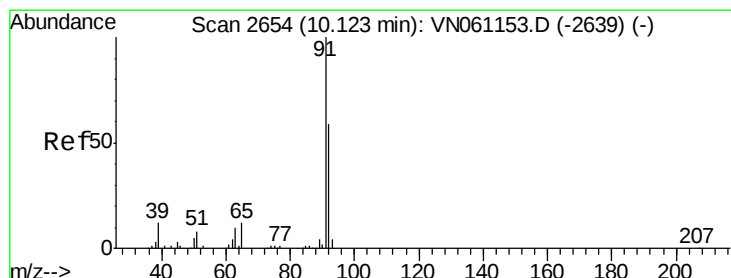
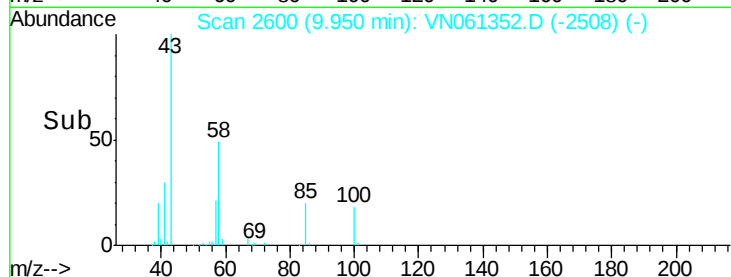
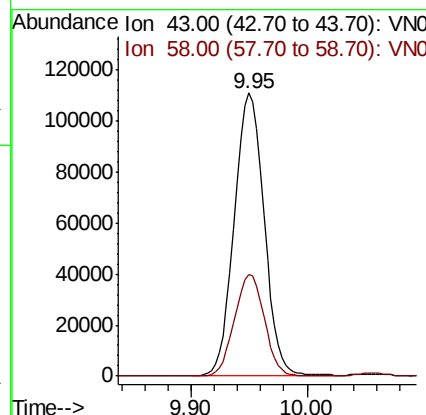
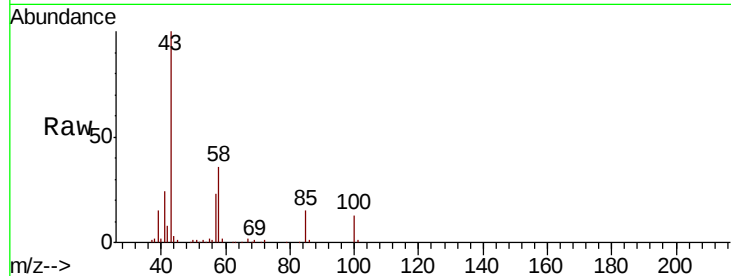
#51
4-Methyl-2-Pentanone
Concen: 102.627 ug/l
RT: 9.95 min Scan# 2600
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.1	43.7

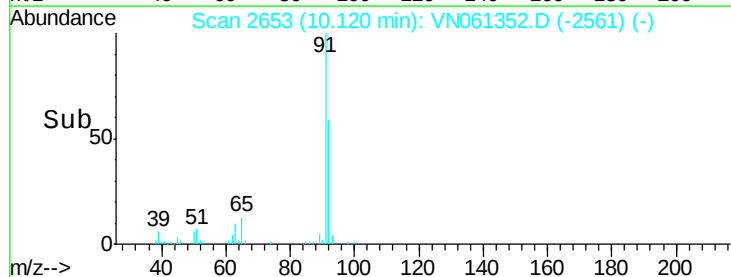
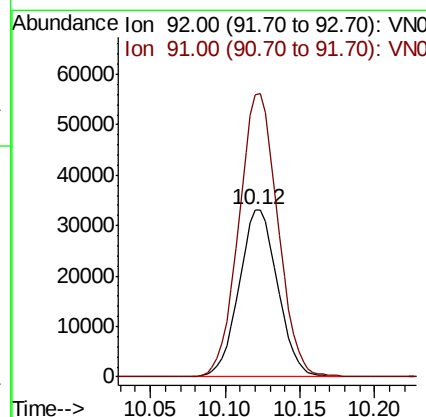
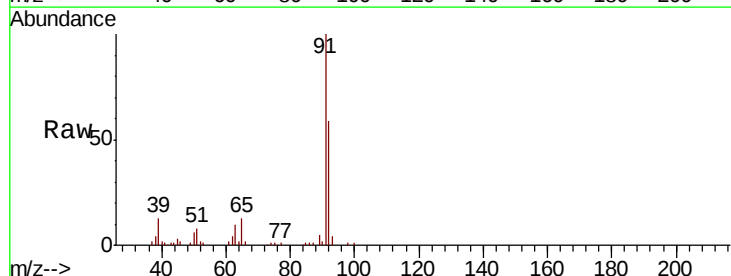
Manual Integrations
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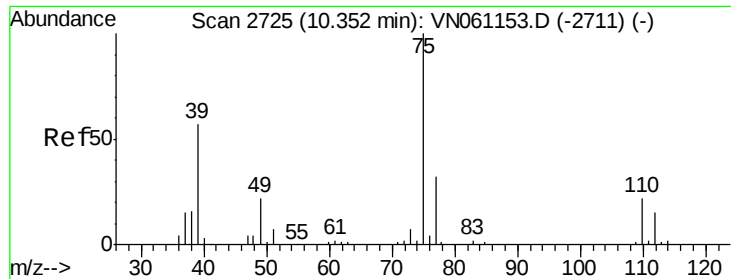
MMDadoda
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#52
Toluene
Concen: 19.716 ug/l
RT: 10.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	136.2	204.2





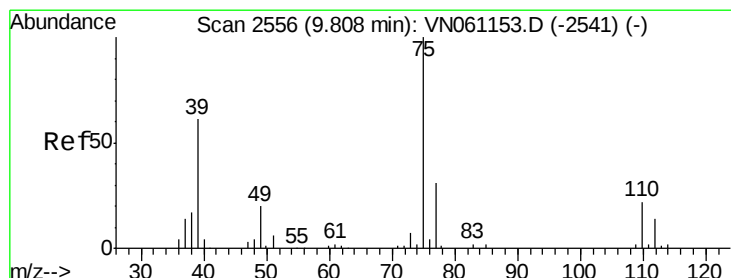
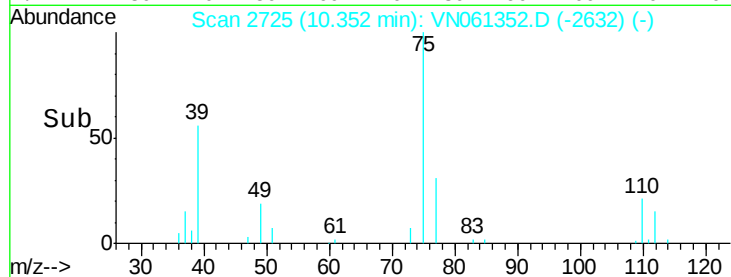
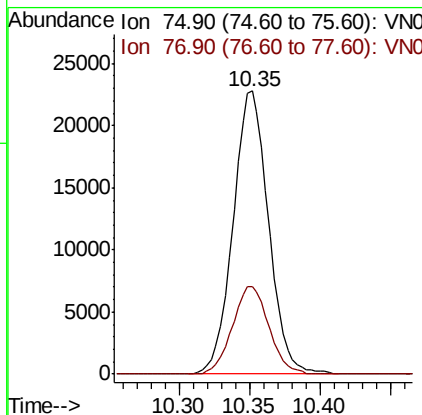
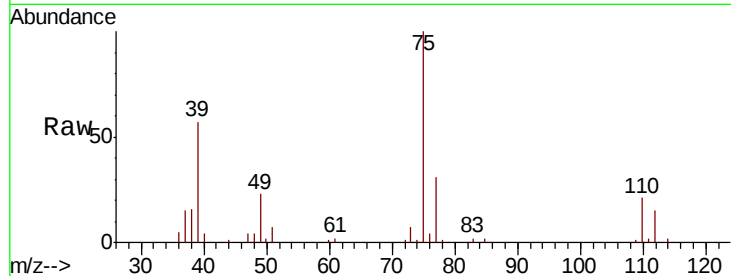
#53
t-1,3-Dichloropropene
Concen: 19.934 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VN0508WBS01

Tot Ion: 75 Resp: 40026
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3

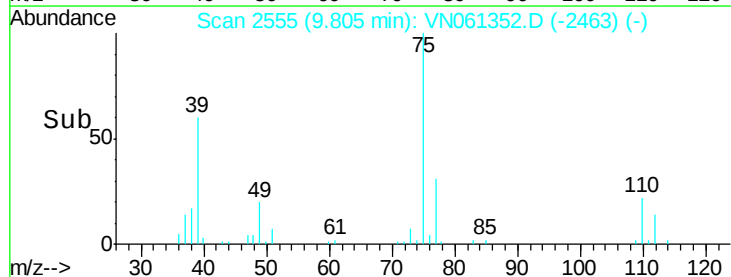
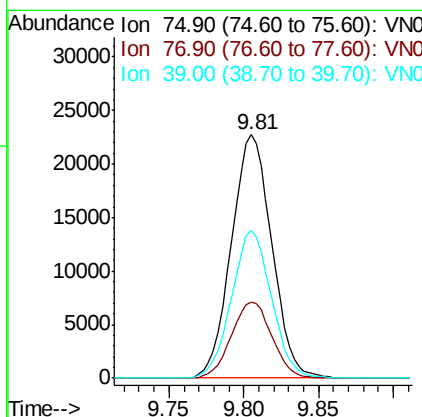
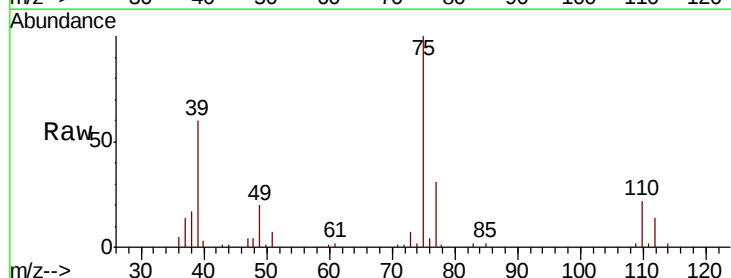
Manual Integrations
APPROVED

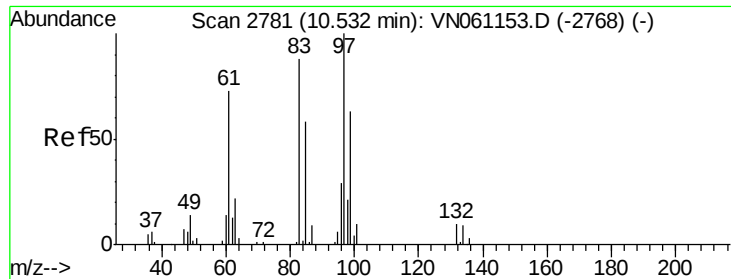
MMDadoda
5/11/2020 12:36:35 PM



#54
cis-1,3-Dichloropropene
Concen: 20.133 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion: 75 Resp: 42737
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4
39 60.5 48.7 73.1





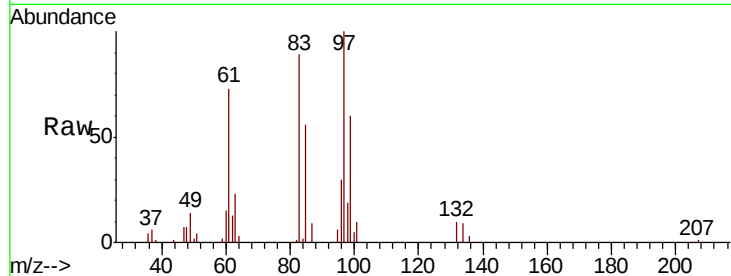
#55
 1,1,2-Trichloroethane
 Concen: 19.878 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion:	97	Resp:	23969
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.6	106.0
85	55.6	46.4	69.6
99	60.4	50.6	75.8

Manual Integrations
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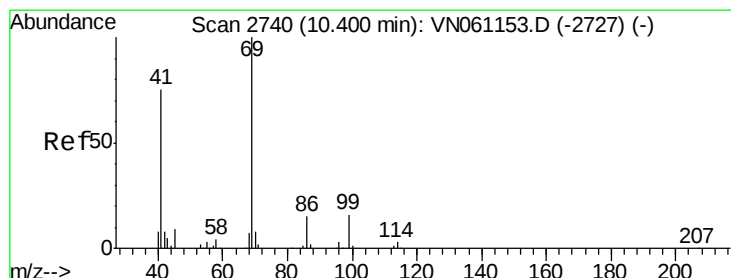
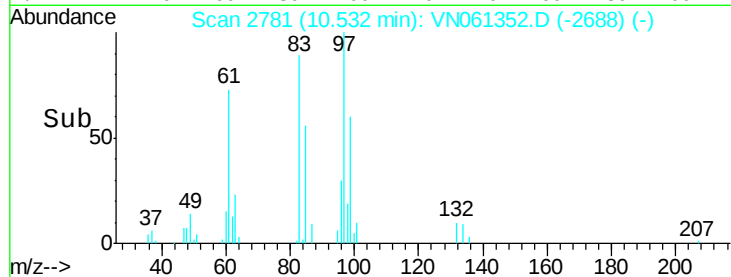
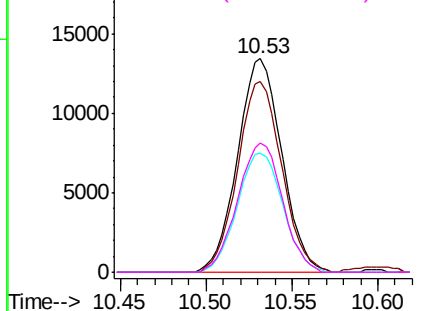
Abundance

Ion 96.90 (96.60 to 97.60): VN061352.D (-2688) (-)

Ion 82.90 (82.60 to 83.60): VN061352.D (-2688) (-)

Ion 84.90 (84.60 to 85.60): VN061352.D (-2688) (-)

Ion 98.90 (98.60 to 99.60): VN061352.D (-2688) (-)



#56
 Ethyl methacrylate
 Concen: 19.046 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

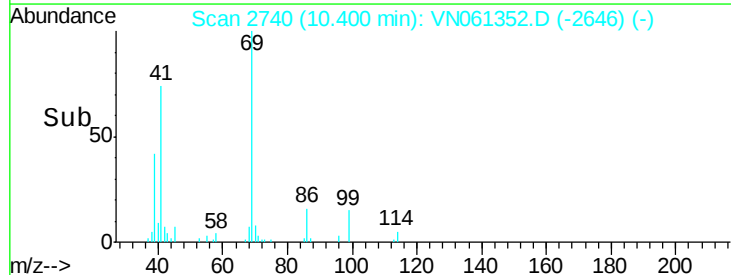
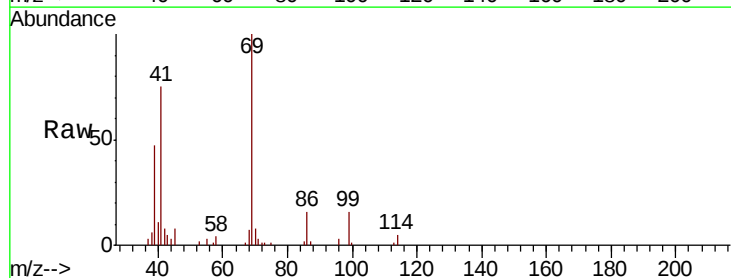
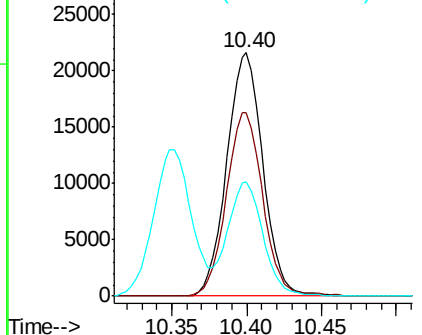
Tgt Ion:	69	Resp:	36268
Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.3	90.5
39	45.6	35.9	53.9

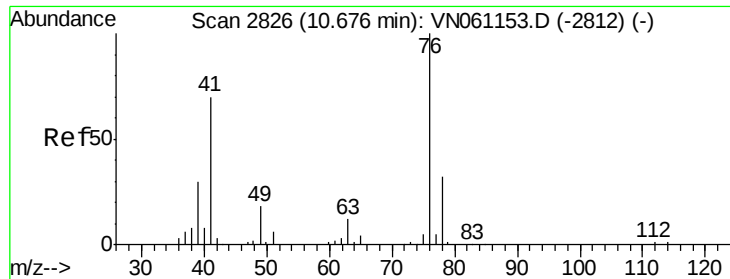
Abundance

Ion 69.00 (68.70 to 69.70): VN061352.D (-2646) (-)

Ion 41.00 (40.70 to 41.70): VN061352.D (-2646) (-)

Ion 39.00 (38.70 to 39.70): VN061352.D (-2646) (-)





#57

1,3-Dichloropropane

Concen: 20.374 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VN0508WBS01

Tot Ion: 76 Resp: 43184

Ion Ratio Lower Upper

76 100

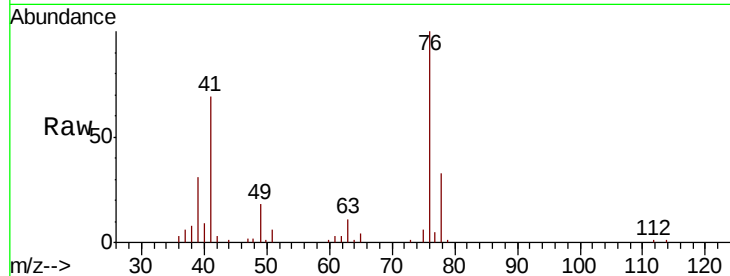
78 32.5 25.5 38.3

Manual Integrations

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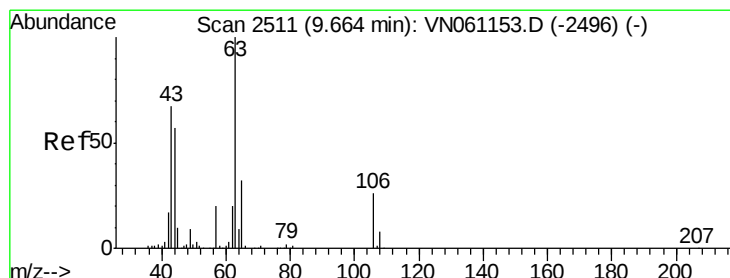
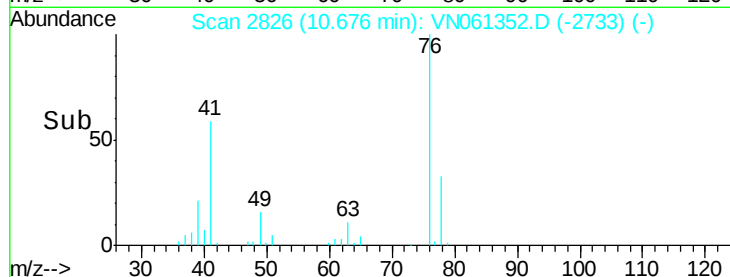
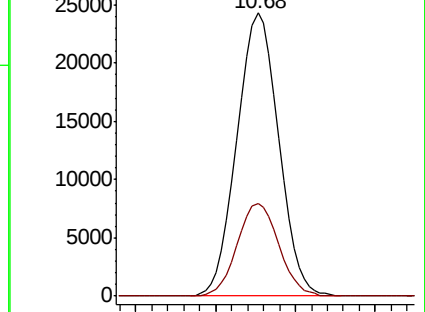
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN061153.D (-2812) (-)

Ion 77.90 (77.60 to 78.60): VN061153.D (-2812) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 92.857 ug/l

RT: 9.66 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VN061352.D

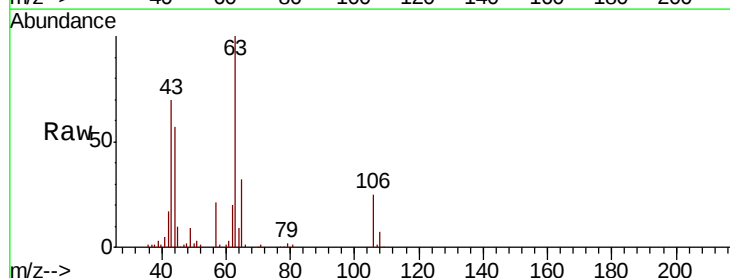
Acq: 8 May 2020 11:24

Tgt Ion: 63 Resp: 90633

Ion Ratio Lower Upper

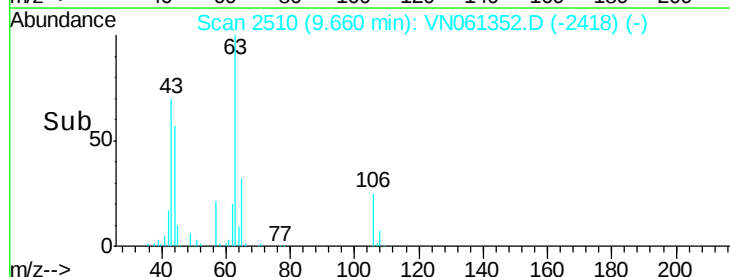
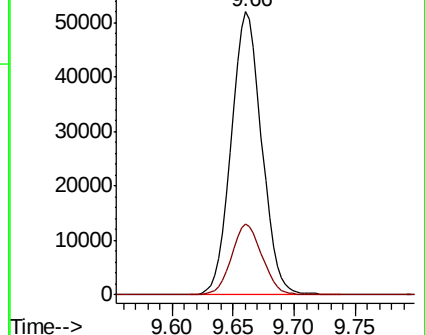
63 100

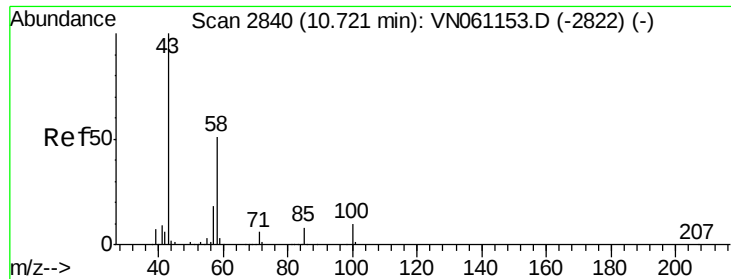
106 25.1 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-2496) (-)

Ion 105.90 (105.60 to 106.60): VN061153.D (-2496) (-)





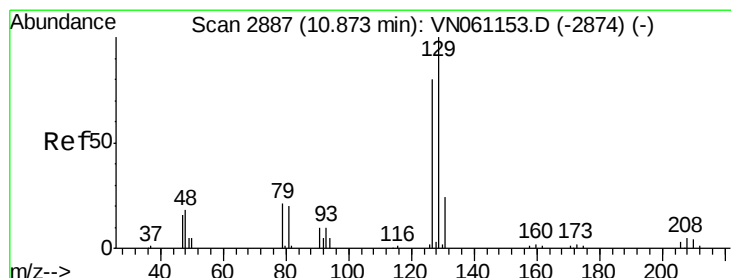
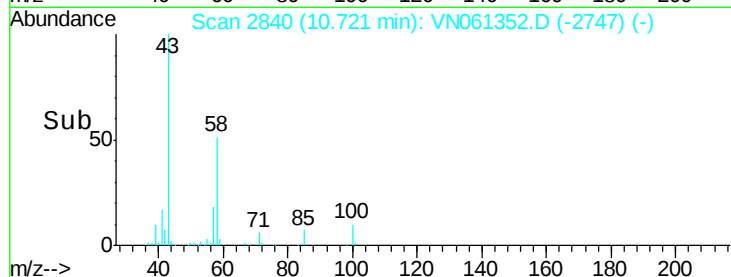
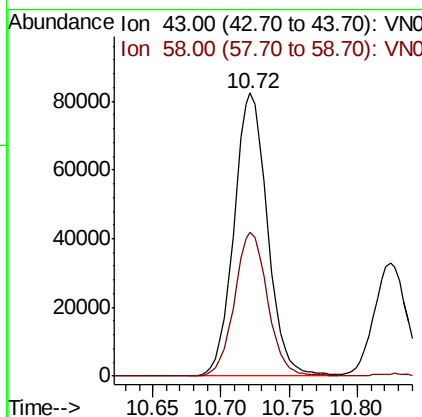
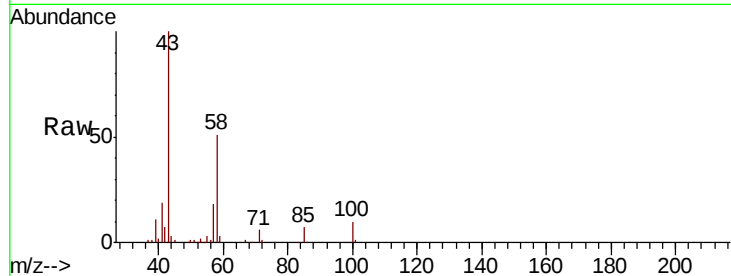
#59
2-Hexanone
Concen: 99.820 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.4	76.4

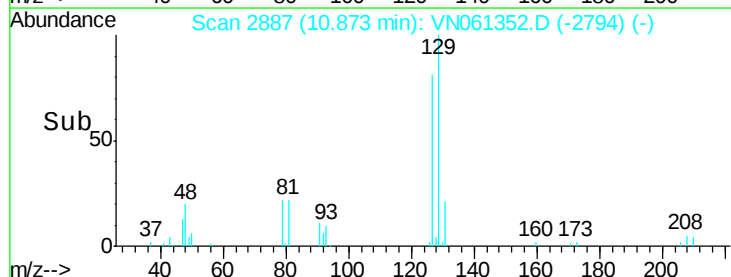
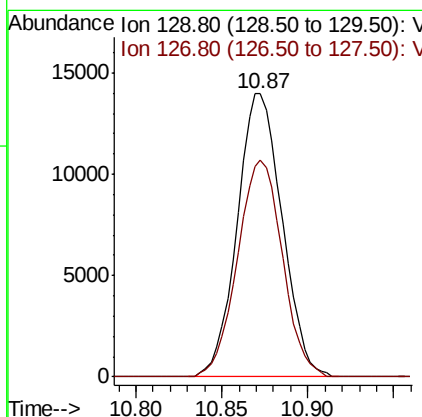
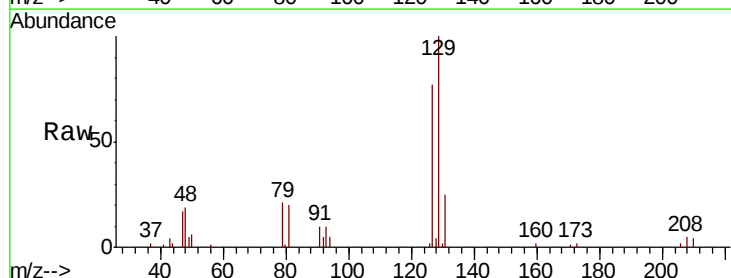
Manual Integrations
APPROVED

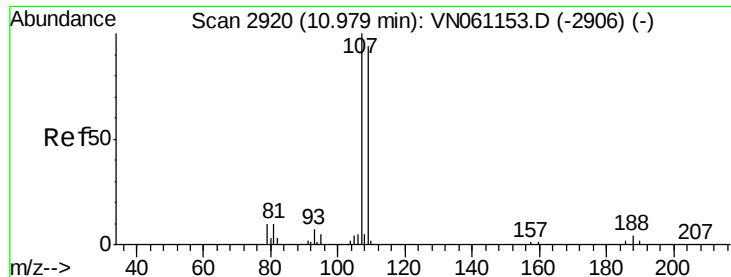
MMDadoda
5/11/2020 12:36:35 PM



#60
Dibromochloromethane
Concen: 20.091 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.3	117.8





#61

1,2-Dibromoethane

Concen: 20.046 ug/l

RT: 10.98 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion:107 Resp: 24227

Ion Ratio Lower Upper

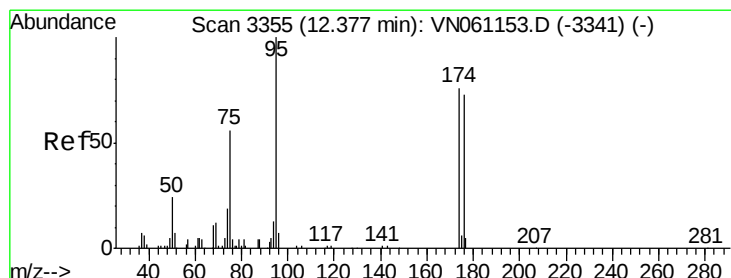
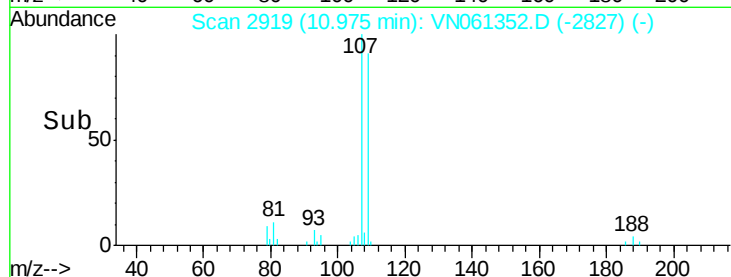
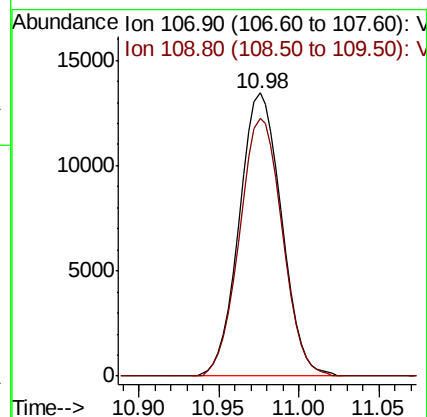
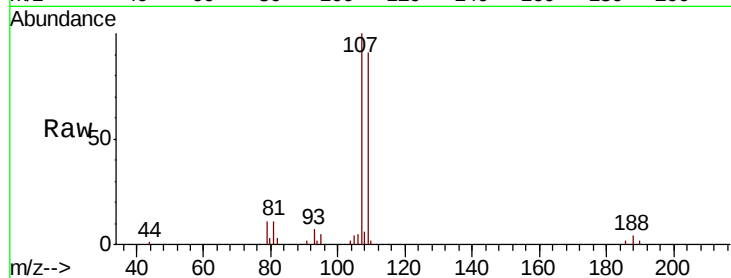
107 100

109 92.2 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

5/11/2020 12:36:35 PM



#62

4-Bromofluorobenzene

Concen: 50.436 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

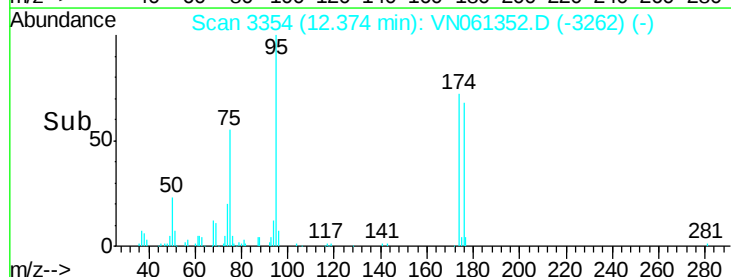
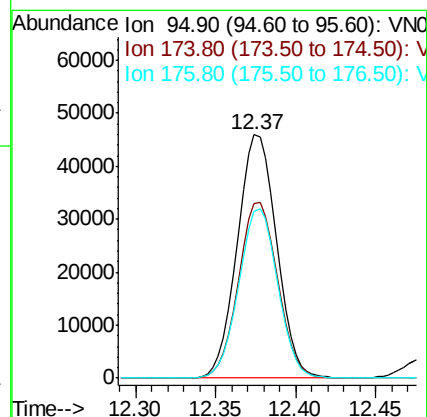
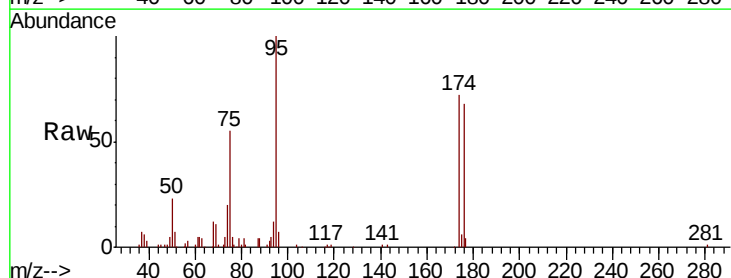
Tgt Ion: 95 Resp: 76996

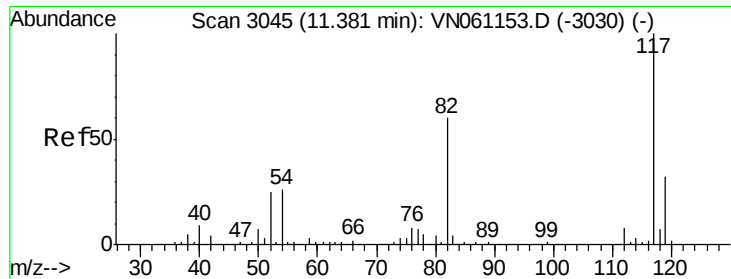
Ion Ratio Lower Upper

95 100

174 72.0 0.0 149.4

176 68.8 0.0 144.8





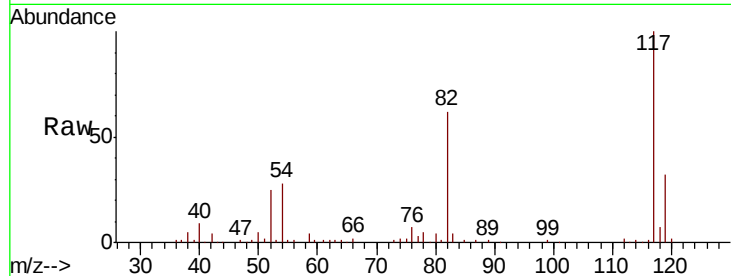
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3044
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	47.8	71.8
119	32.4	25.8	38.6

Manual Integrations
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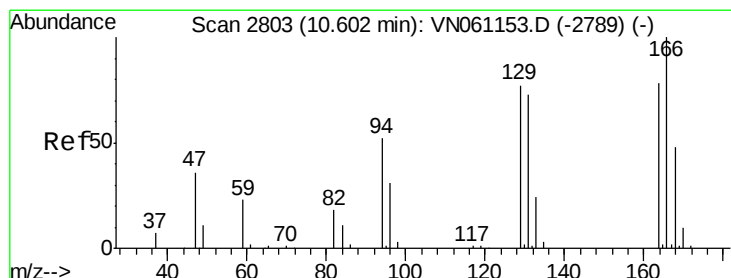
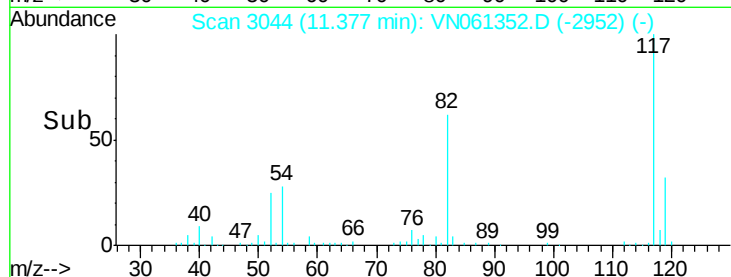
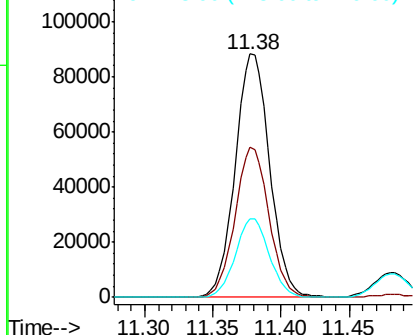


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.889 ug/l
RT: 10.60 min Scan# 2802
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.0	153.0
129	97.8	78.2	117.2
131	92.6	74.5	111.7

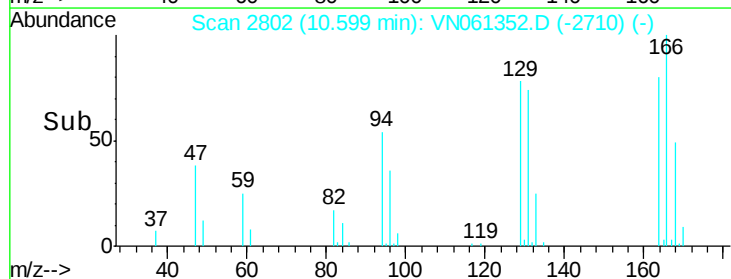
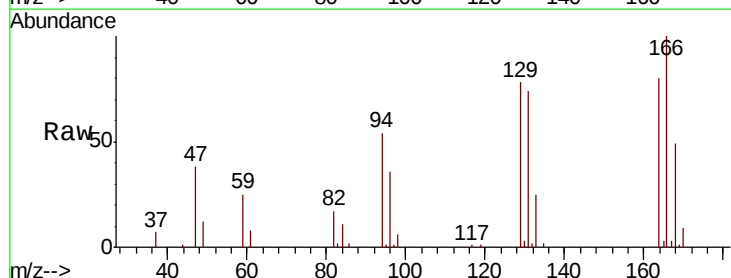
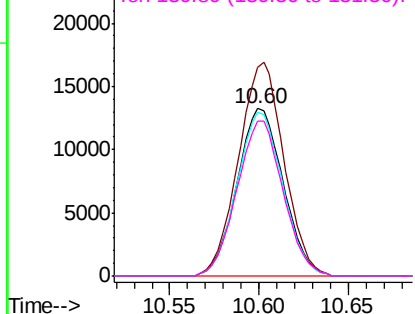
Abundance

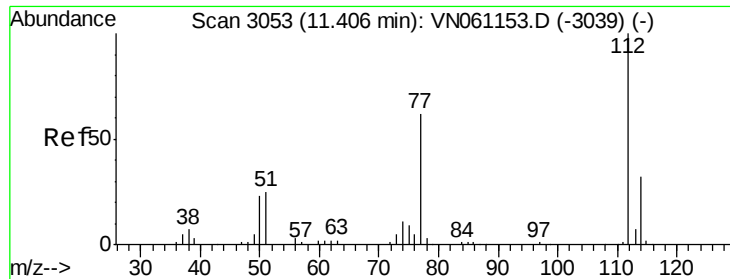
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





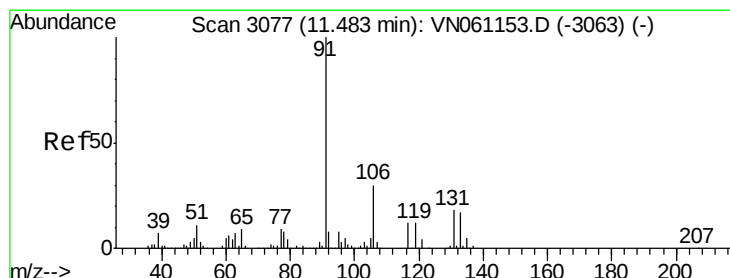
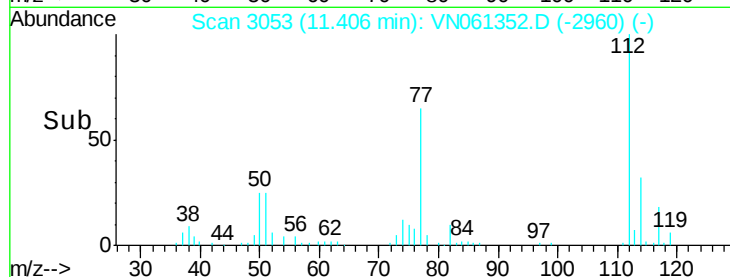
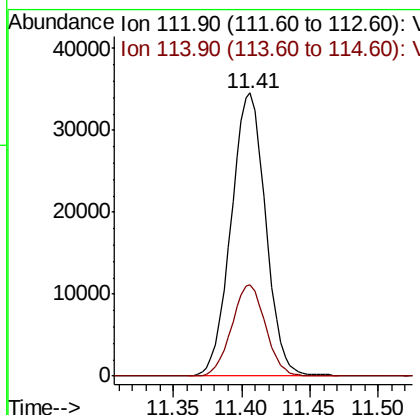
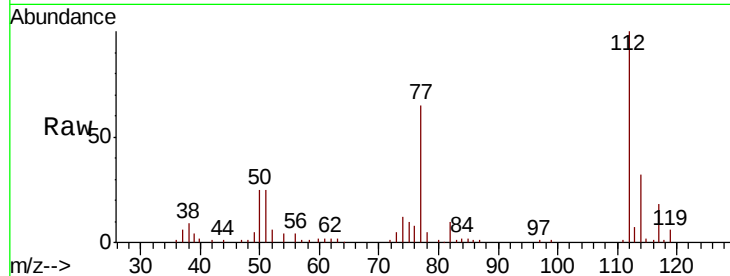
#65
Chlorobenzene
Concen: 19.749 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion:112 Resp: 60689
Ion Ratio Lower Upper
112 100
114 32.2 25.4 38.2

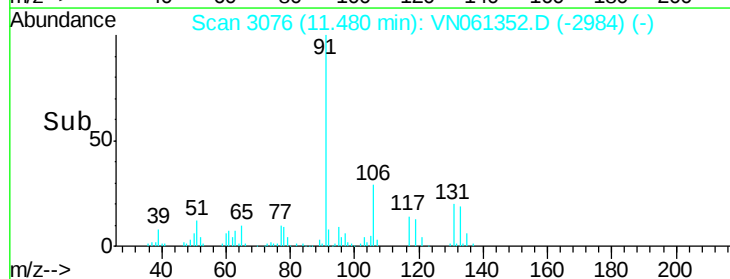
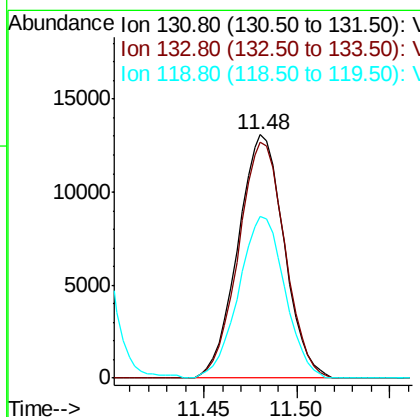
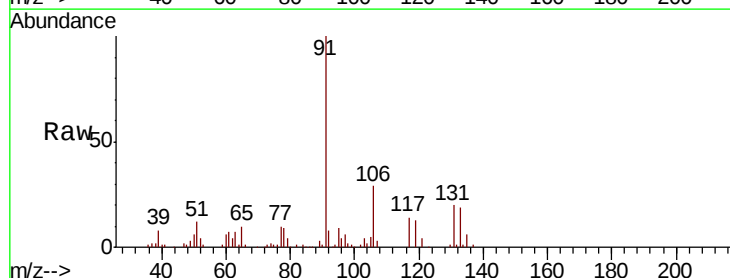
Manual Integrations
APPROVED

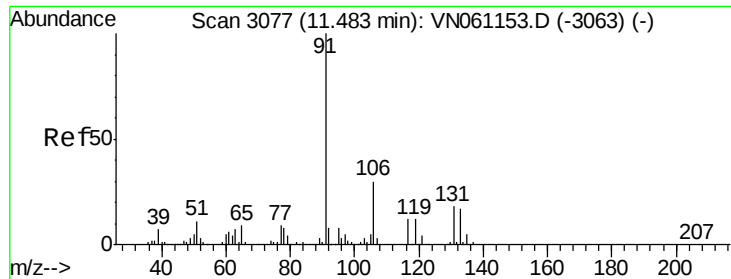
MMDadoda
5/11/2020 12:36:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.634 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:131 Resp: 22695
Ion Ratio Lower Upper
131 100
133 97.1 48.0 144.2
119 66.2 32.6 97.8





#67

Ethyl Benzene

Concen: 19.554 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 91 Resp: 112492

Ion Ratio Lower Upper

91 100

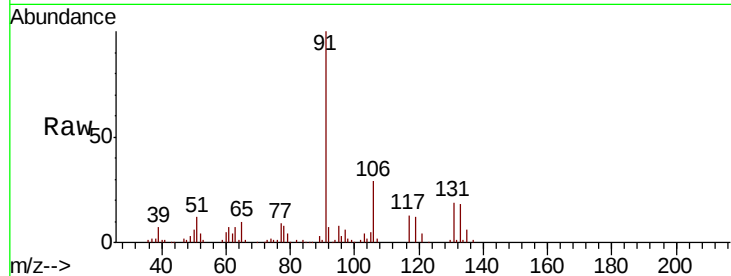
106 29.3 23.8 35.6

Manual Integrations

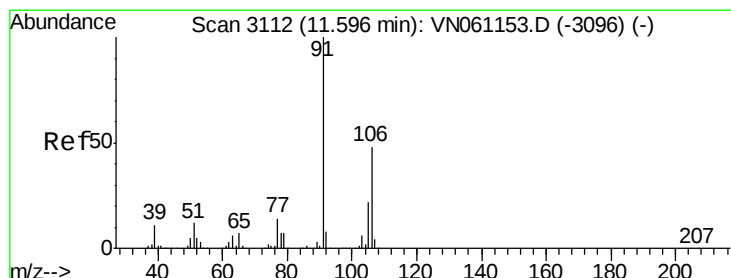
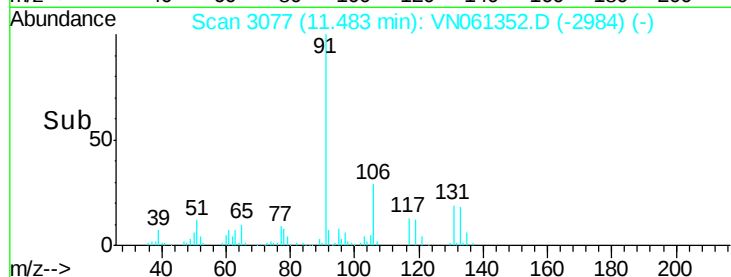
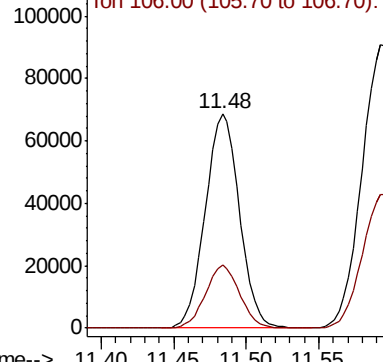
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Abundance Ion 91.00 (90.70 to 91.70): VN061352.D (-2984) (-)



#68

m/p-Xylenes

Concen: 39.097 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061352.D

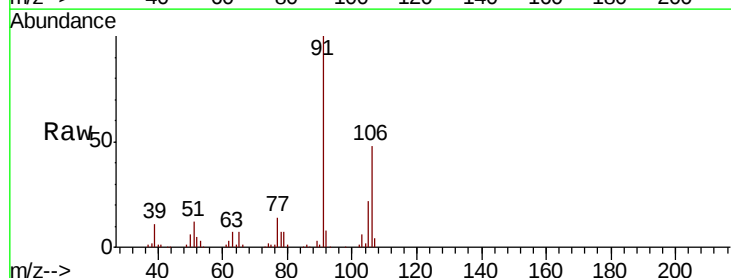
Acq: 8 May 2020 11:24

Tgt Ion: 106 Resp: 82326

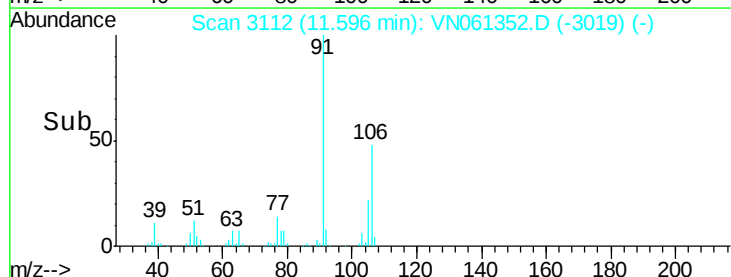
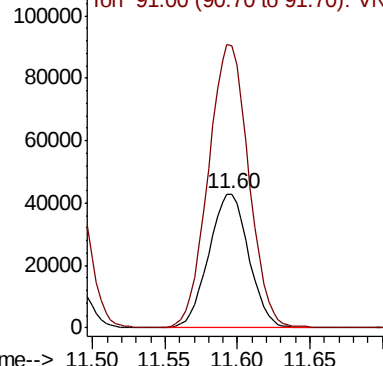
Ion Ratio Lower Upper

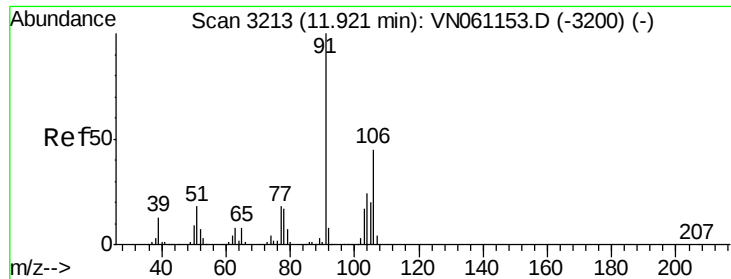
106 100

91 213.8 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061352.D (-3019) (-)





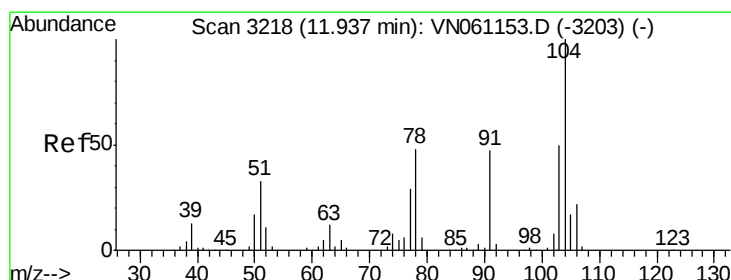
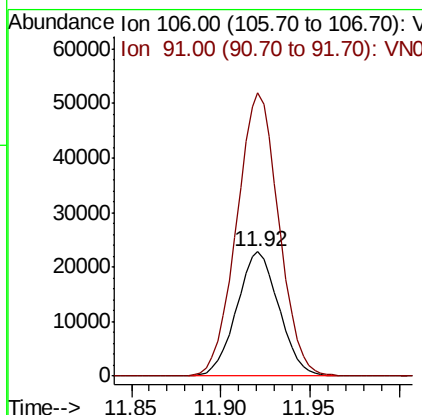
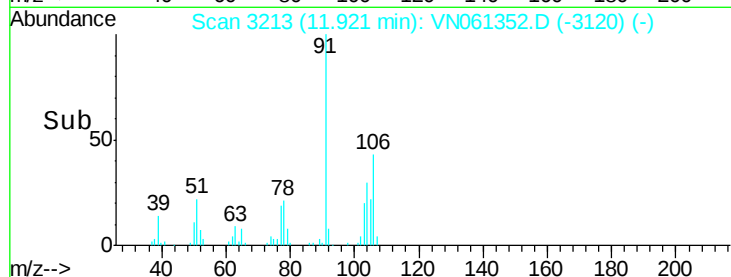
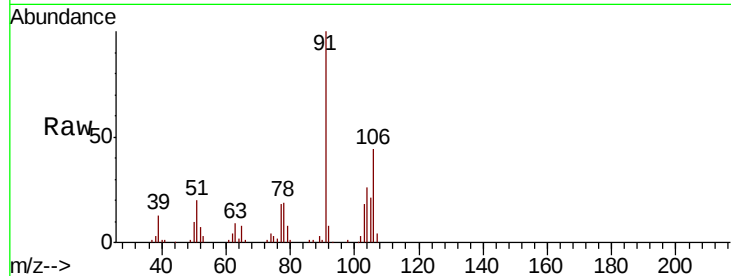
#69
o-Xylene
Concen: 18.665 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion:106 Resp: 37753
Ion Ratio Lower Upper
106 100
91 227.2 109.7 329.0

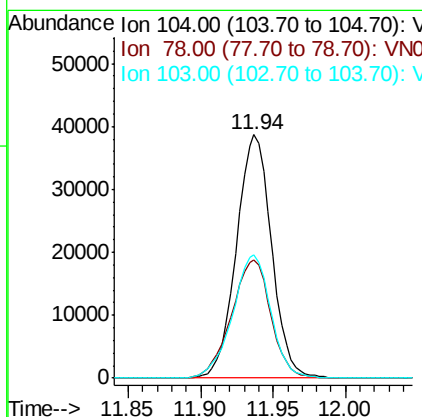
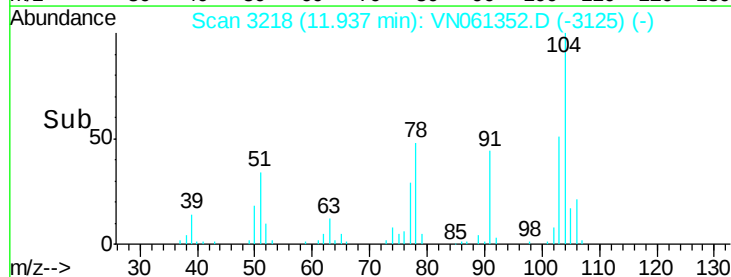
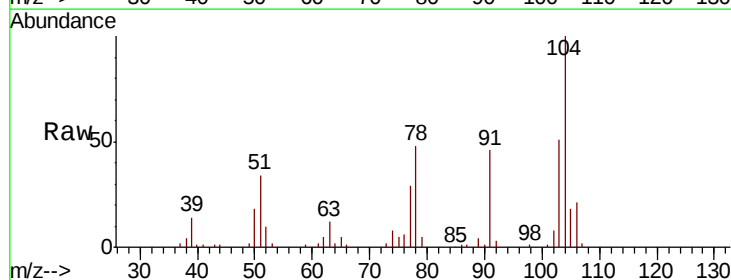
Manual Integrations
APPROVED

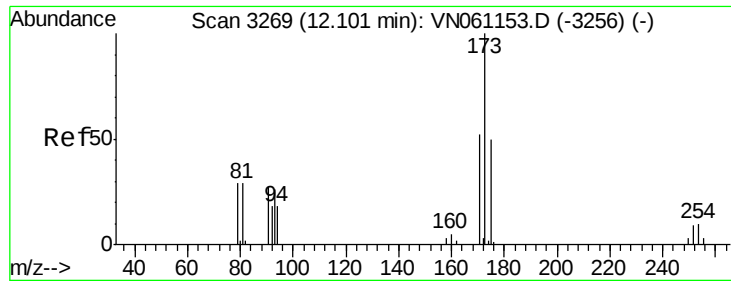
MMDadoda
5/11/2020 12:36:35 PM



#70
Styrene
Concen: 19.249 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion:104 Resp: 65163
Ion Ratio Lower Upper
104 100
78 54.4 42.1 63.1
103 54.9 43.3 64.9





#71

Bromoform

Concen: 19.931 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

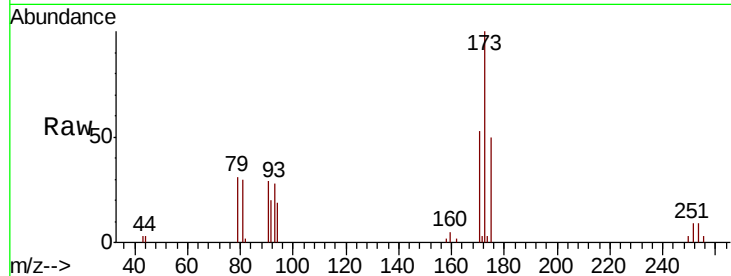
ClientSampleId :

VN0508WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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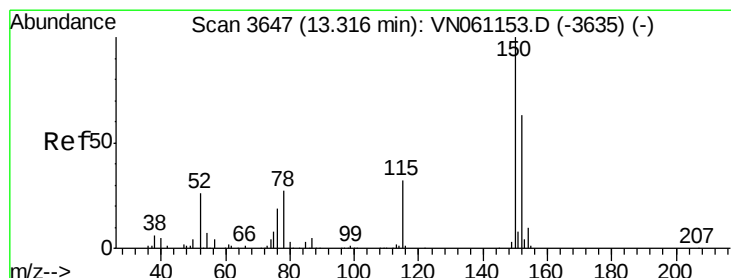
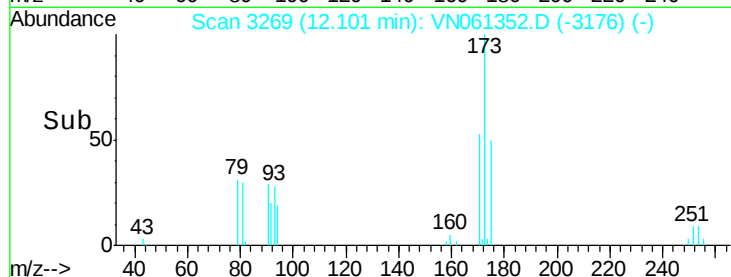
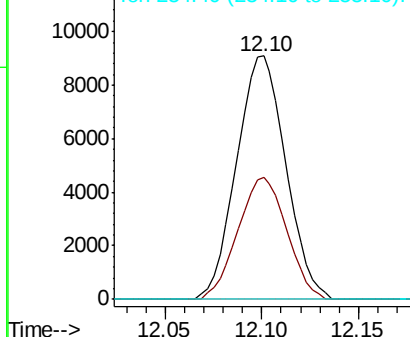


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

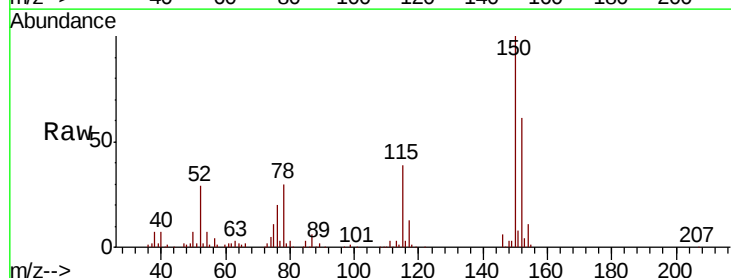
RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.0	93.0
150	166.0	0.0	351.8

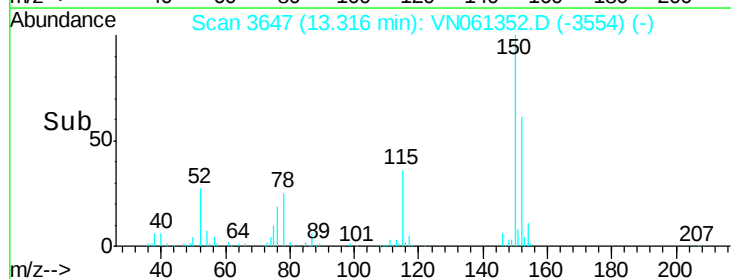
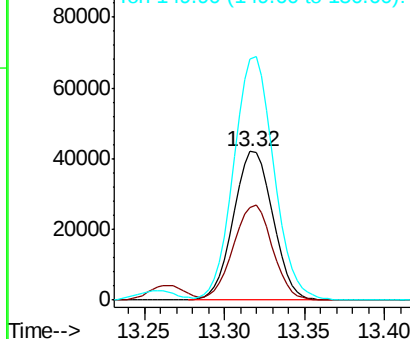


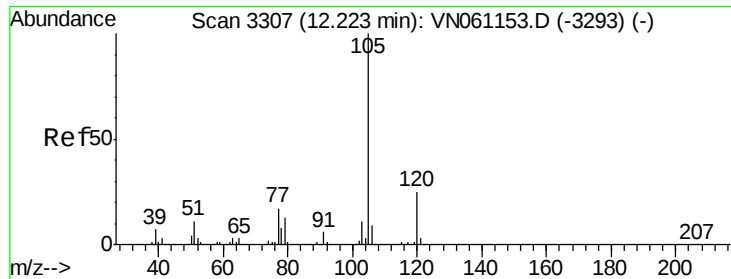
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





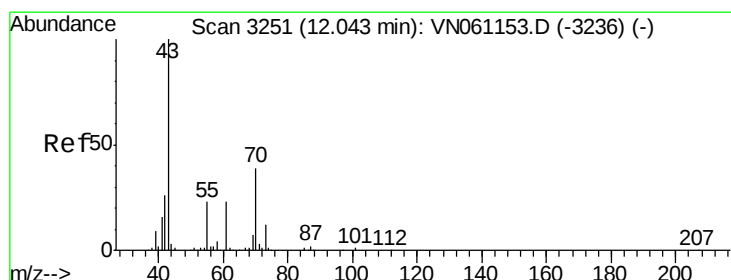
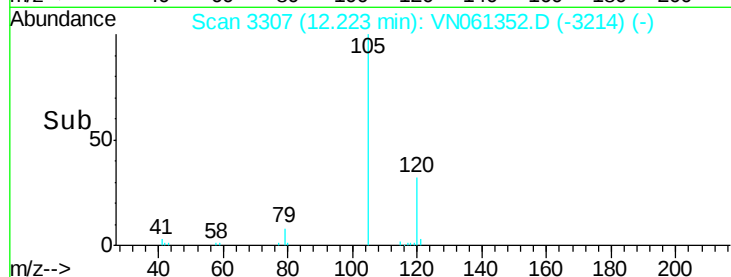
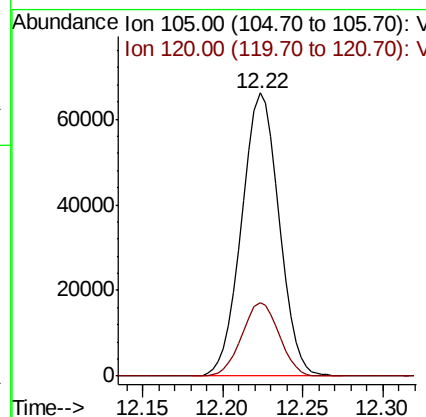
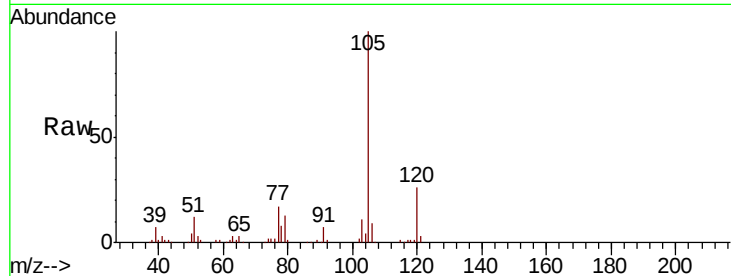
#73
Isopropylbenzene
Concen: 20.199 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.6	37.8

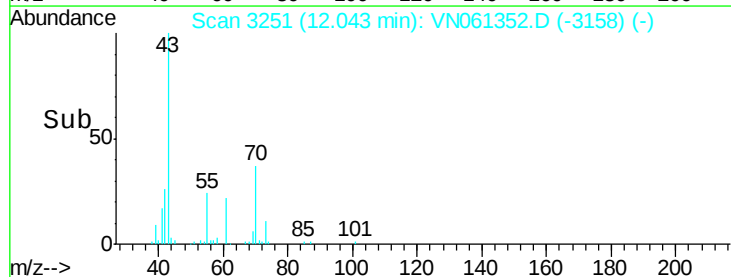
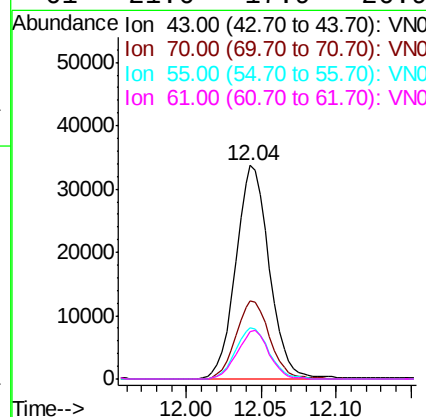
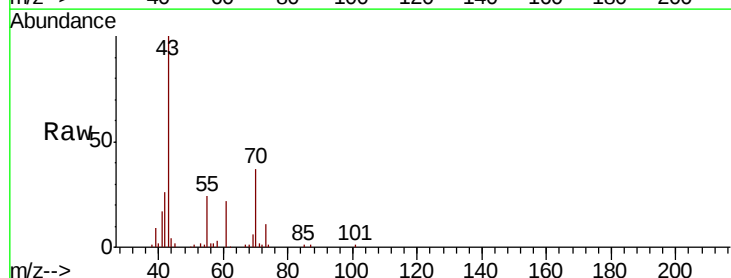
Manual Integrations
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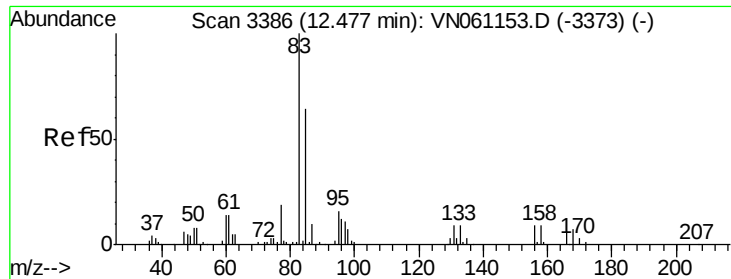
MMDadoda
5/11/2020 12:36:35 PM



#74
N-ethyl acetate
Concen: 19.964 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	30.6	46.0
55	23.8	18.5	27.7
61	21.6	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.640 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

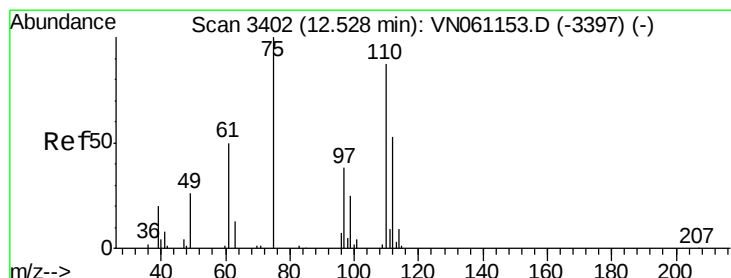
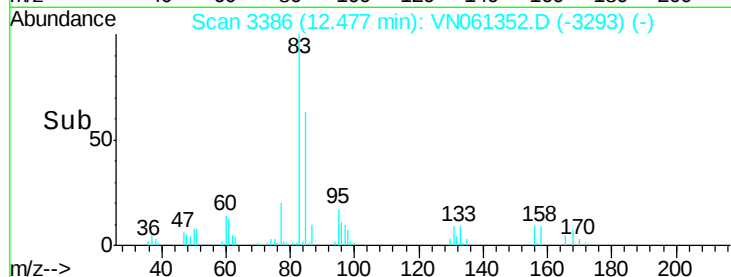
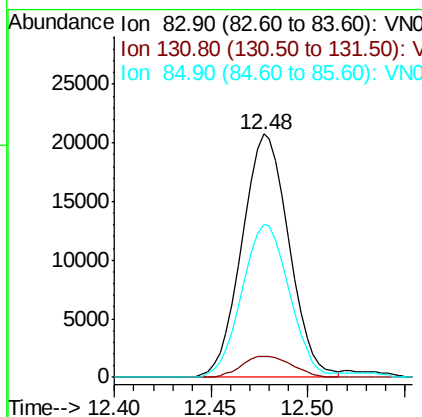
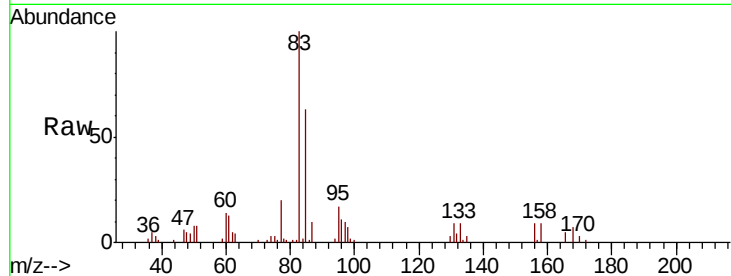
ClientSampled :

VN0508WBS01

Tot Ion:	83	Resp:	35163
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.993 ug/l m

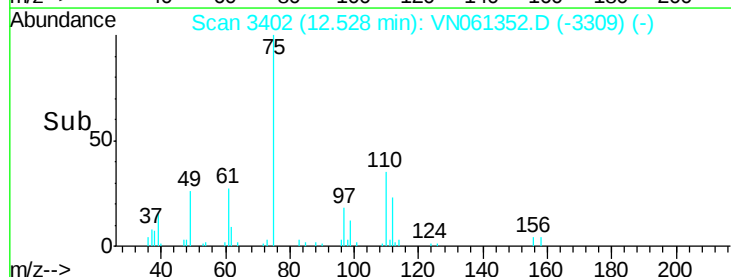
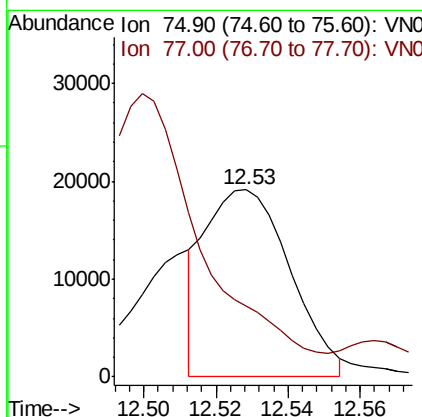
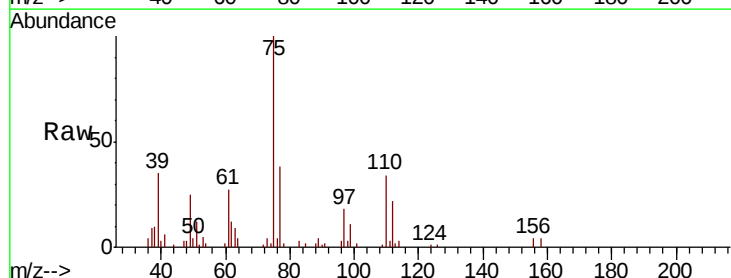
RT: 12.53 min Scan# 3402

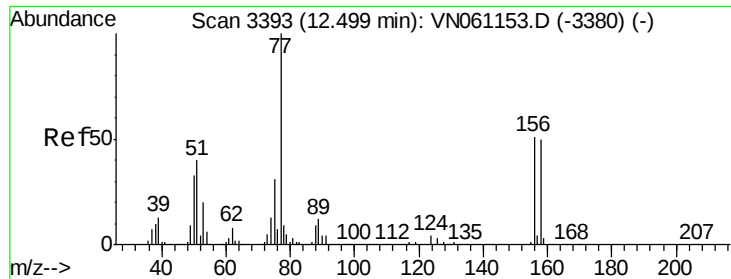
Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:	75	Resp:	31374
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.507 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

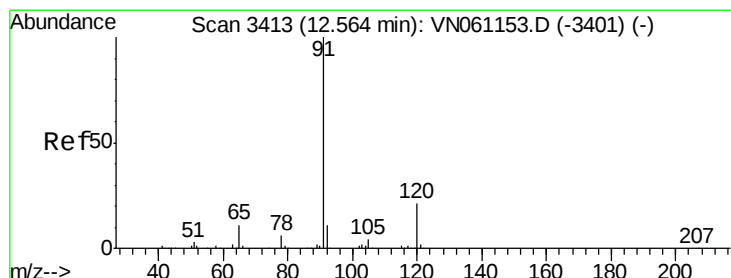
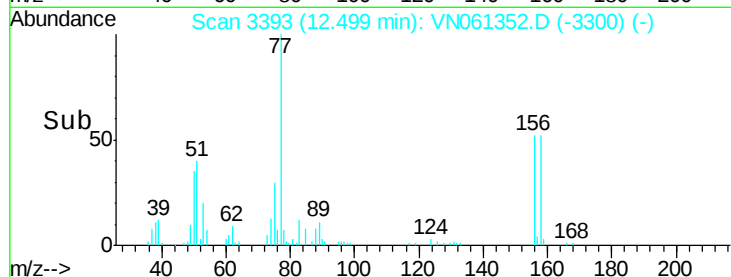
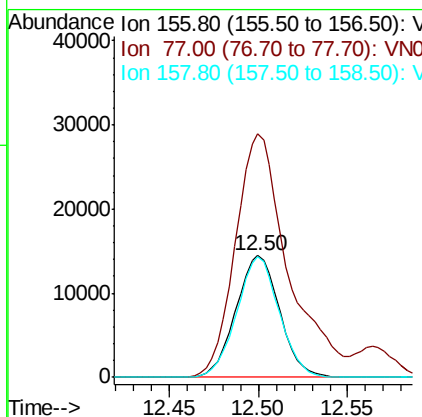
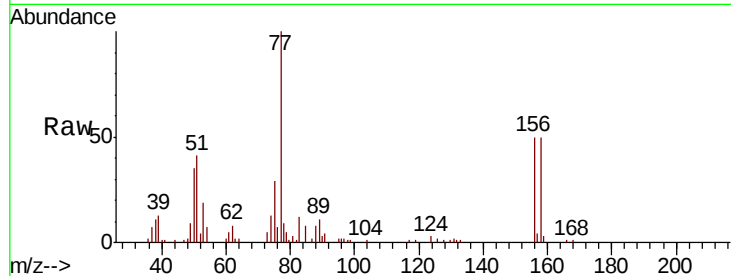
ClientSampleId :

VN0508WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	243.2	117.4	352.2
158	96.8	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 20.370 ug/l

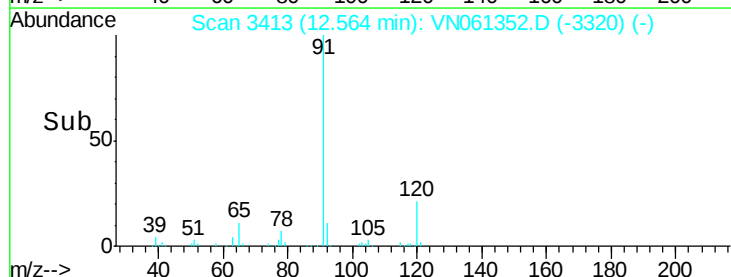
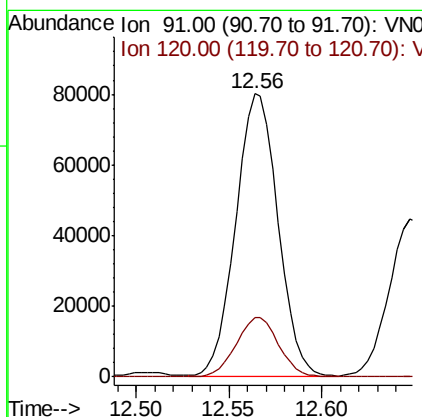
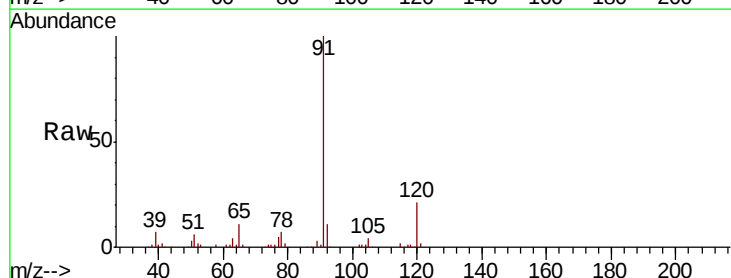
RT: 12.56 min Scan# 3413

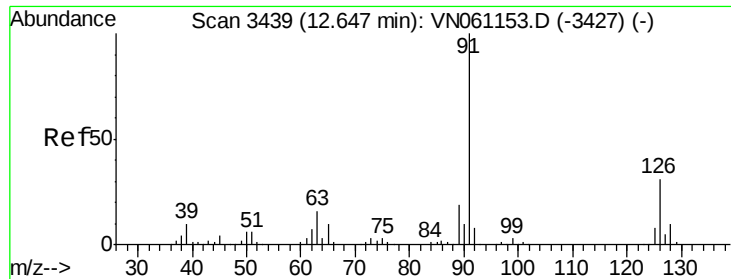
Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.3





#79

2-Chlorotoluene

Concen: 20.457 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VN0508WBS01

Tot Ion: 91 Resp: 74321

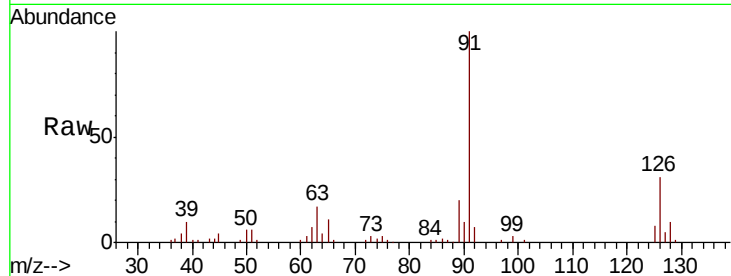
Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

80000

60000

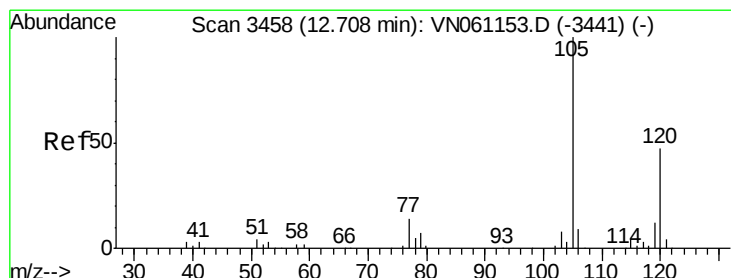
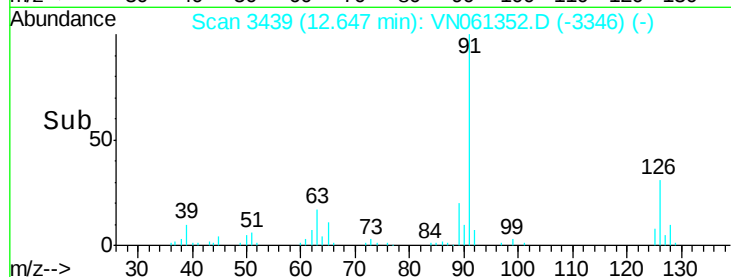
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.388 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061352.D

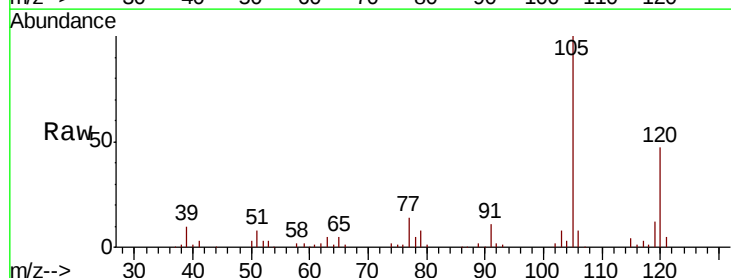
Acq: 8 May 2020 11:24

Tgt Ion: 105 Resp: 87935

Ion Ratio Lower Upper

105 100

120 47.3 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)

60000

50000

40000

30000

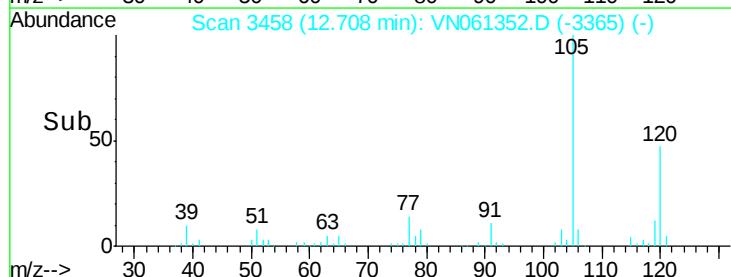
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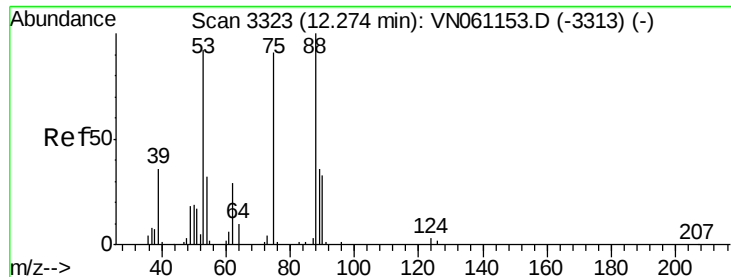
10000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.326 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN0508WBS01

Tot Ion: 75 Resp: 11962

Ion Ratio Lower Upper

75 100

53 111.1 84.1 126.1

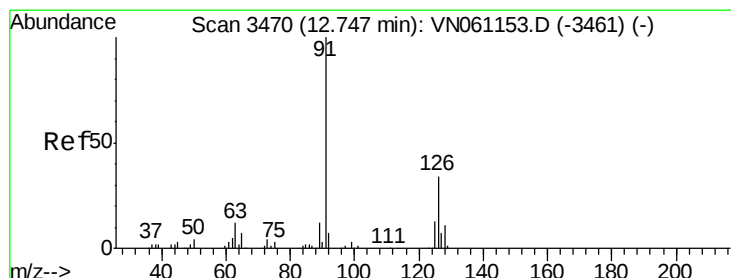
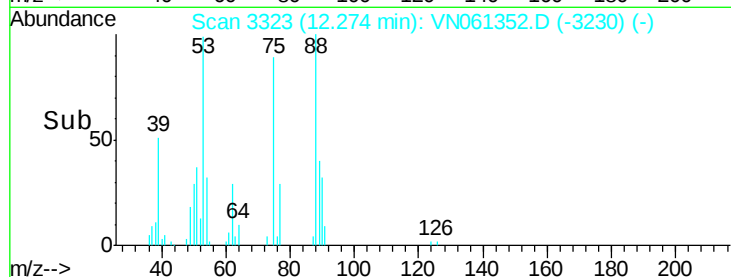
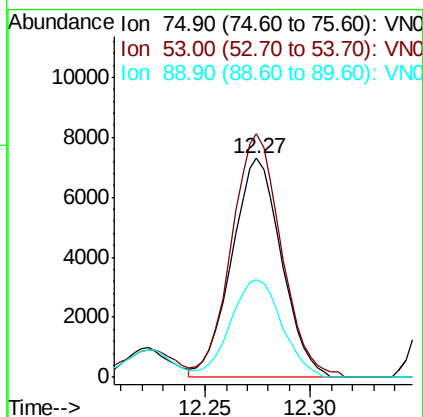
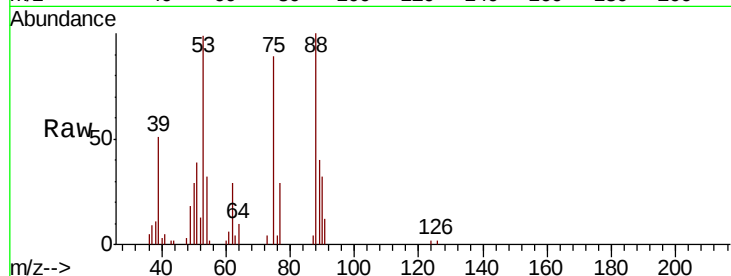
89 45.8 35.2 52.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.777 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061352.D

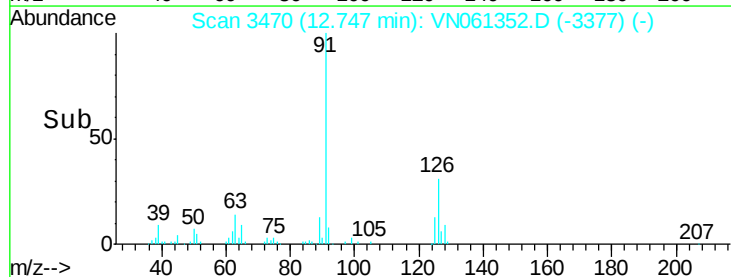
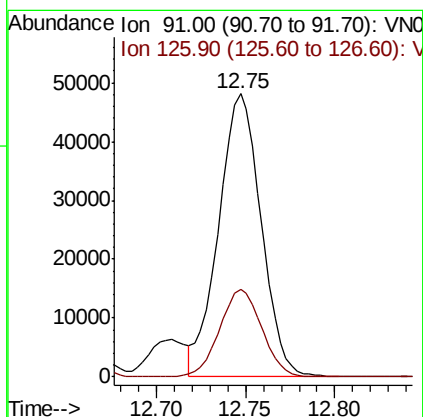
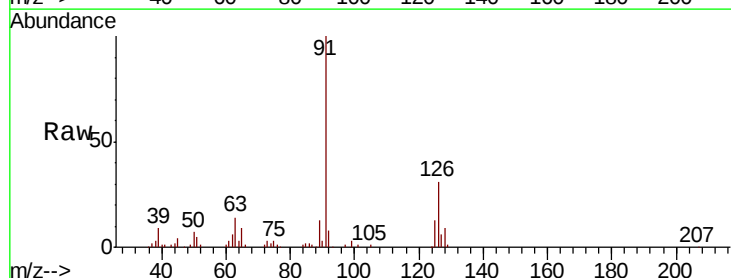
Acq: 8 May 2020 11:24

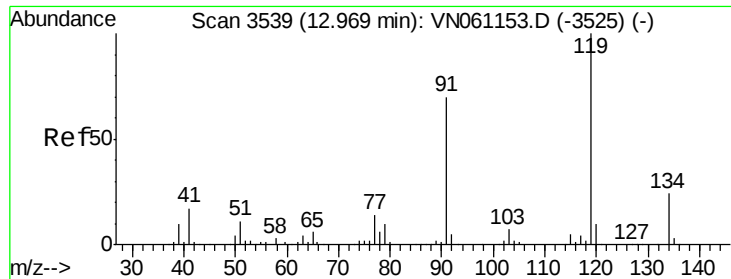
Tgt Ion: 91 Resp: 79559

Ion Ratio Lower Upper

91 100

126 30.6 15.7 47.1





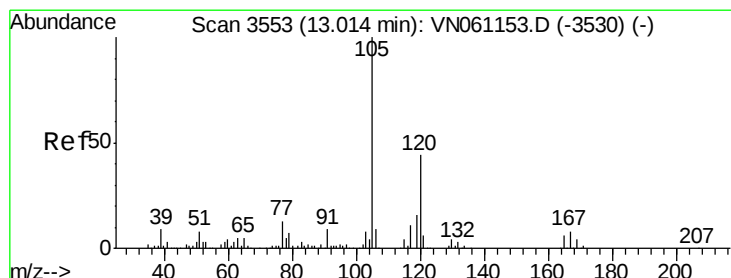
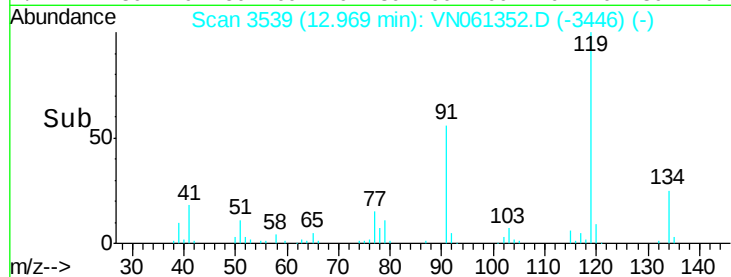
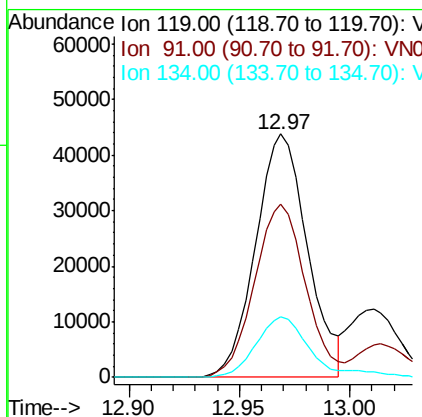
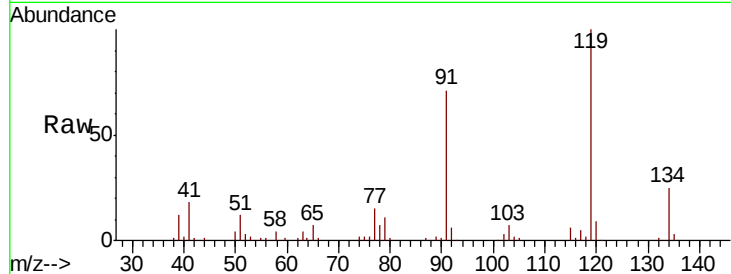
#83
 tert-Butylbenzene
 Concen: 19.612 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	34.8	104.4
134	26.2	12.9	38.7

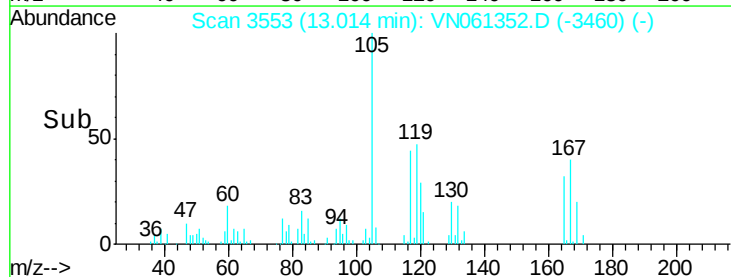
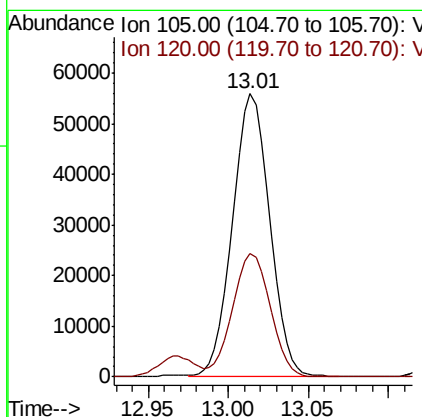
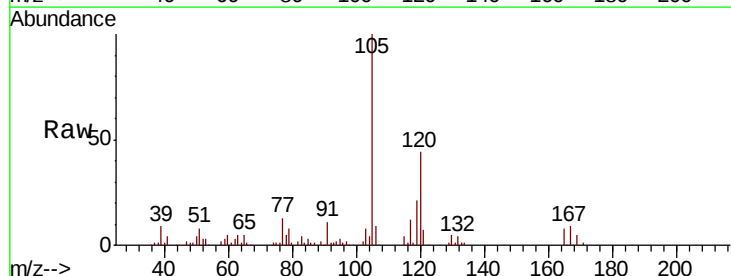
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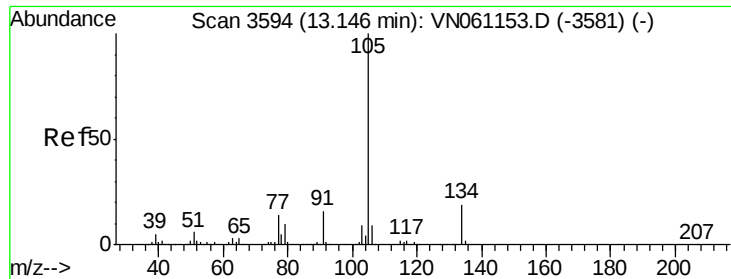
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.932 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.2	66.6





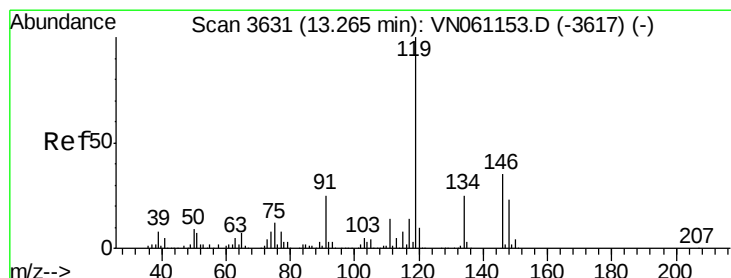
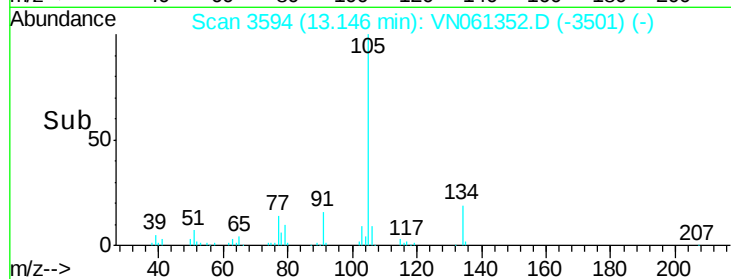
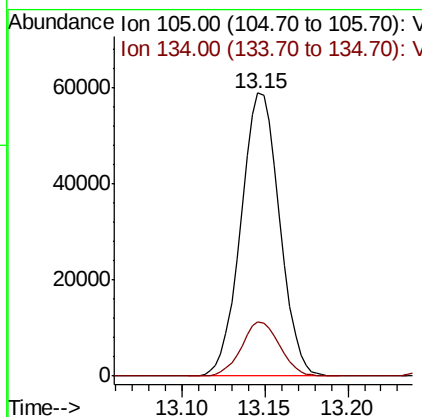
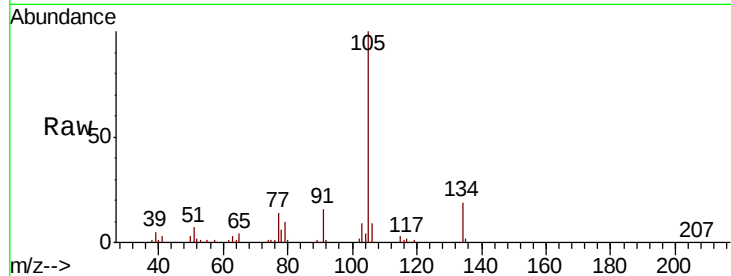
#85
 sec-Butylbenzene
 Concen: 19.178 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.8

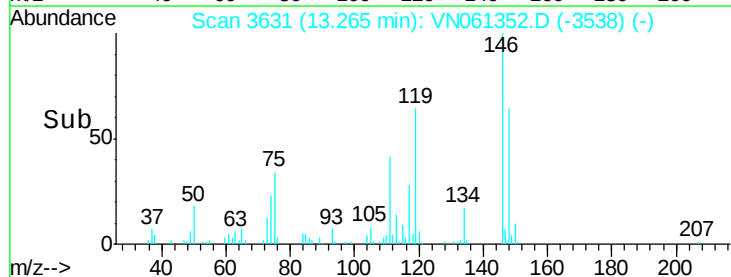
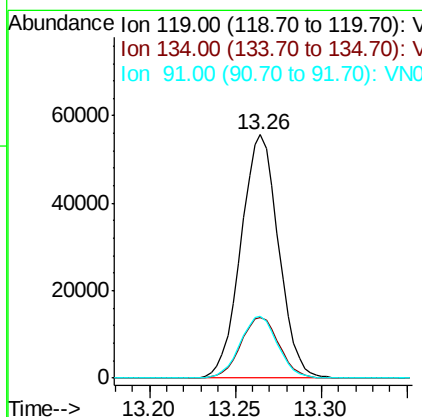
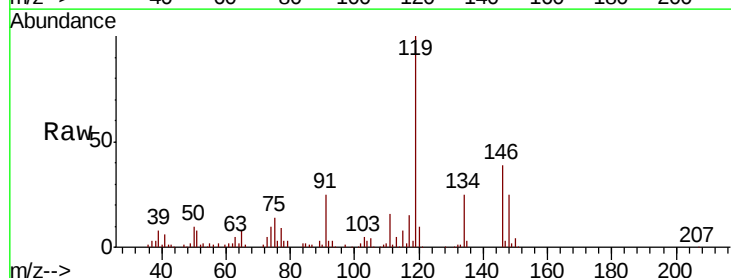
Manual Integrations
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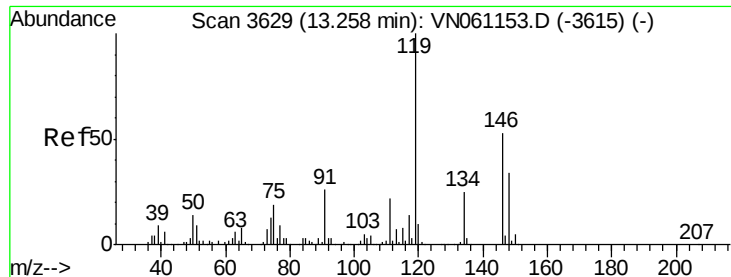
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#86
 p-Isopropyltoluene
 Concen: 18.969 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.6
91	25.4	12.7	38.0





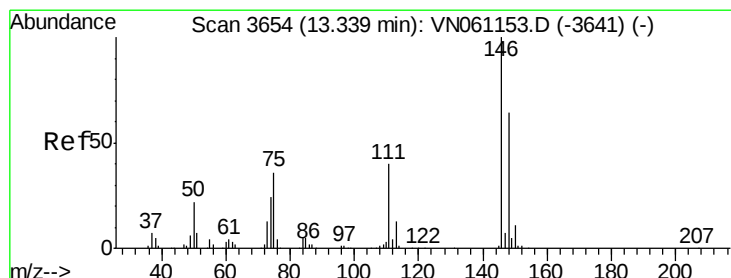
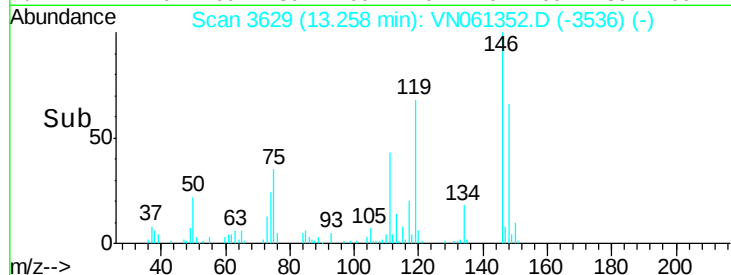
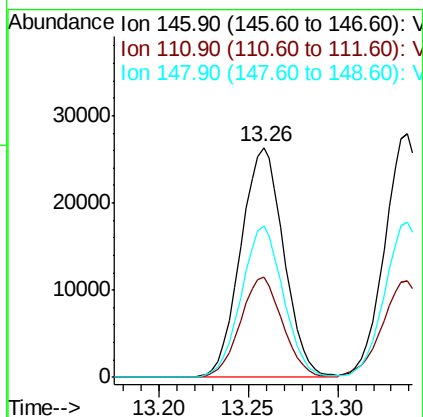
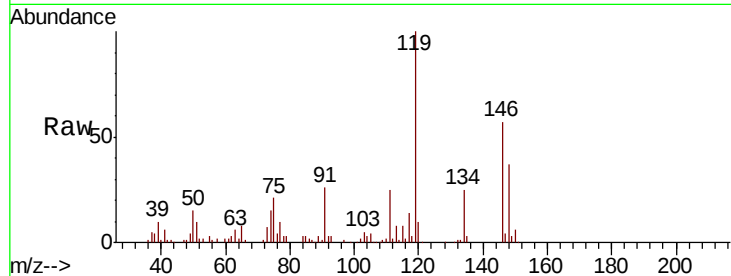
#87
 1,3-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.7	62.1
148	64.2	31.8	95.3

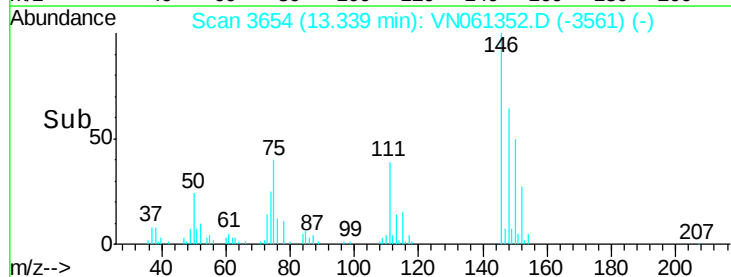
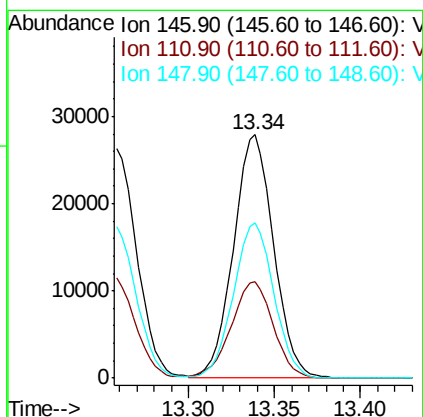
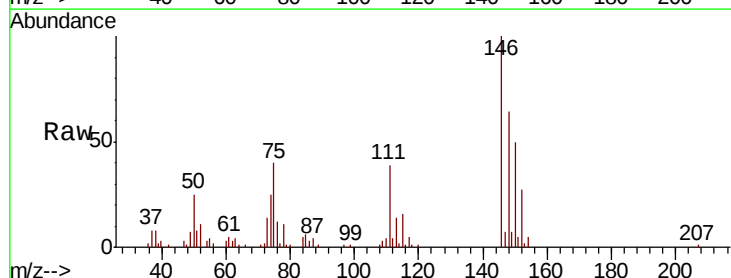
Manual Integrations
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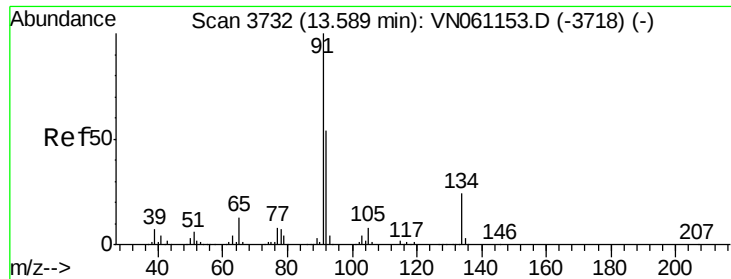
MMDadoda
 5/11/2020 12:36:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.998 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	64.3	31.9	95.7





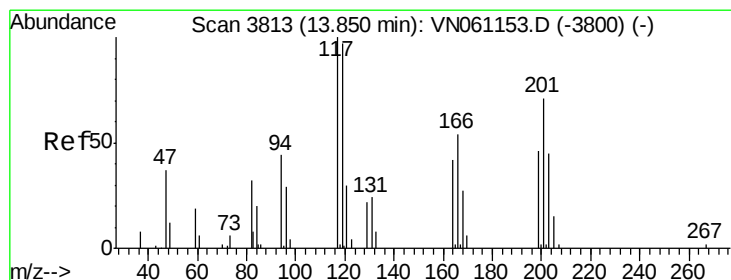
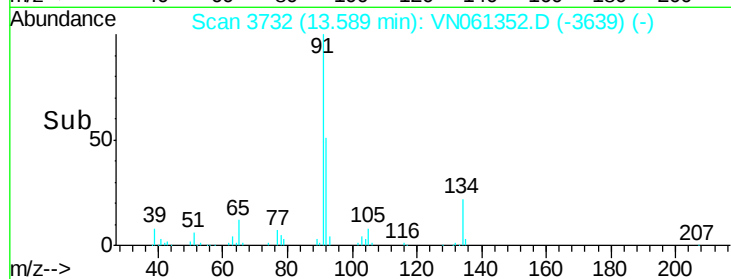
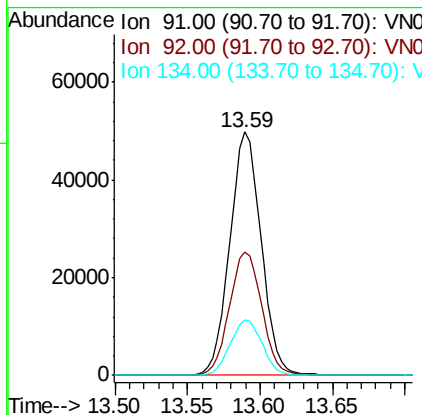
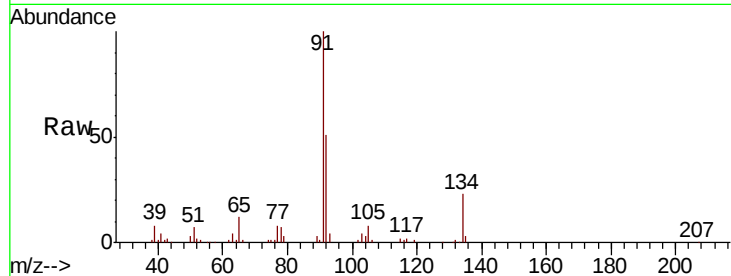
#89
n-Butylbenzene
Concen: 18.302 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN0508WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.3
134	23.1	11.9	35.5

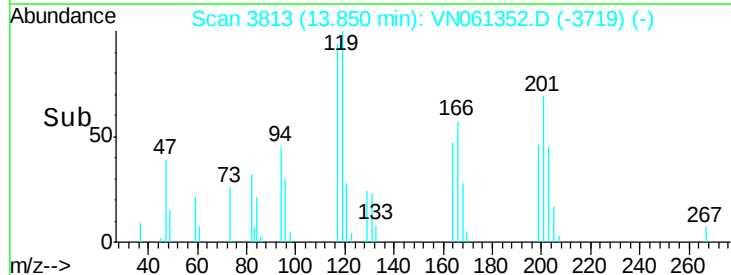
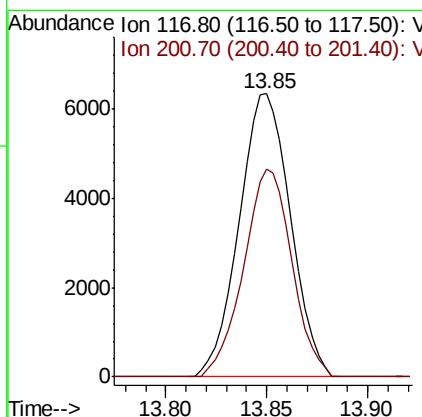
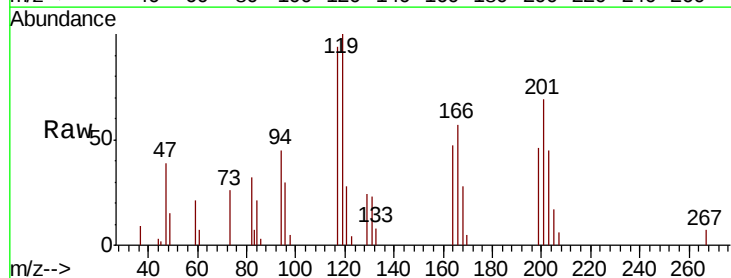
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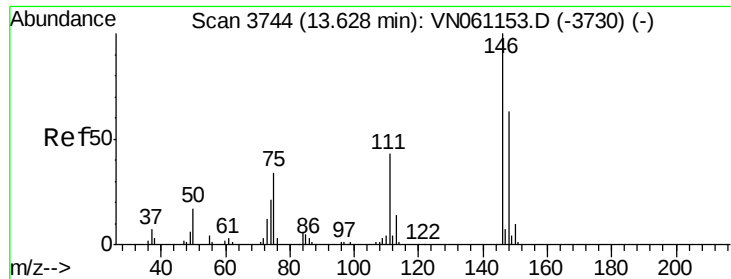
MMDadoda
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#90
Hexachloroethane
Concen: 28.106 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061352.D
Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.1	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 20.341 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

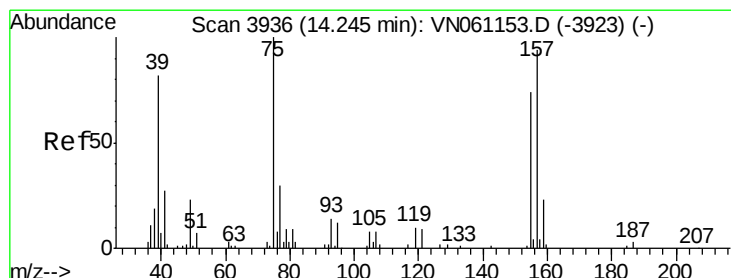
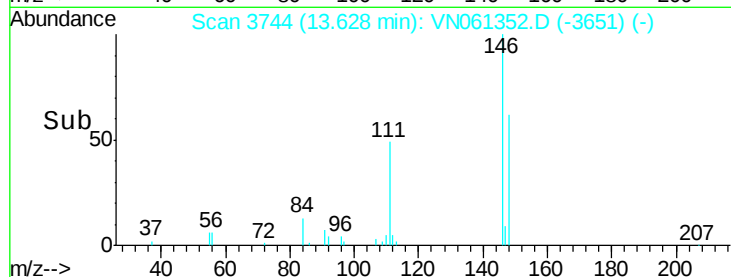
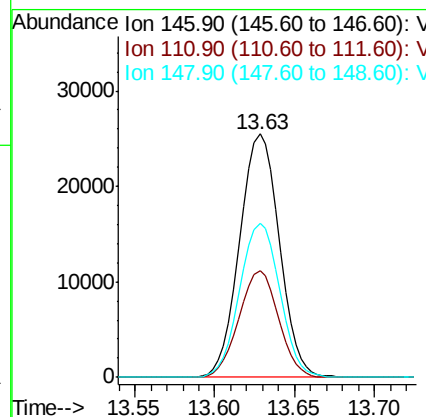
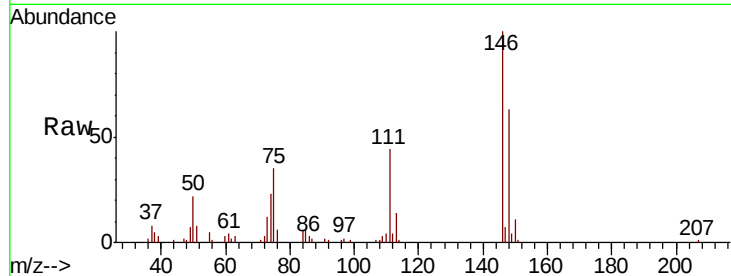
ClientSampleId :

VN0508WBS01

Tot Ion:	146	Resp:	43193
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.8	65.3
148	63.7	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.004 ug/l

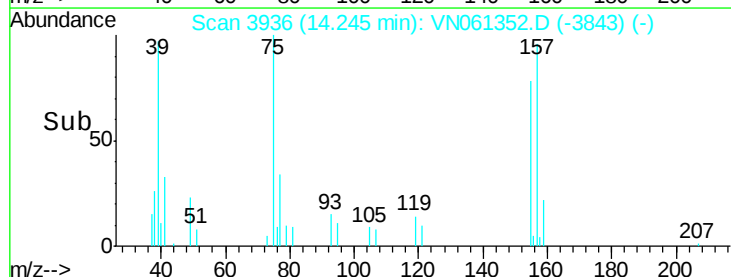
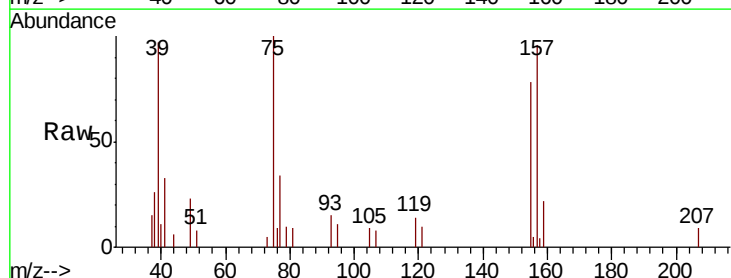
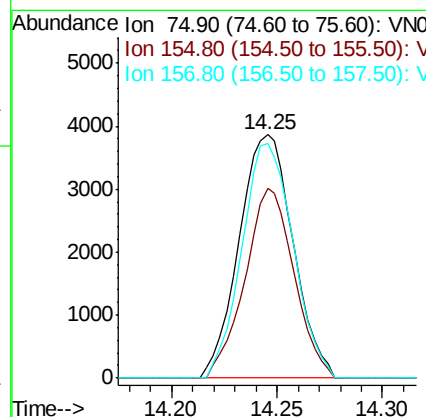
RT: 14.25 min Scan# 3936

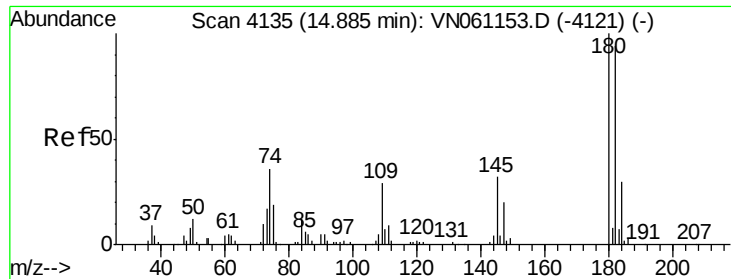
Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:	75	Resp:	6865
Ion Ratio	Lower	Upper	
75	100		
155	70.9	36.5	109.7
157	91.7	46.6	139.7





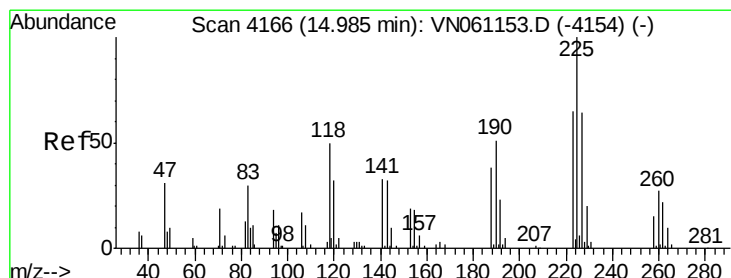
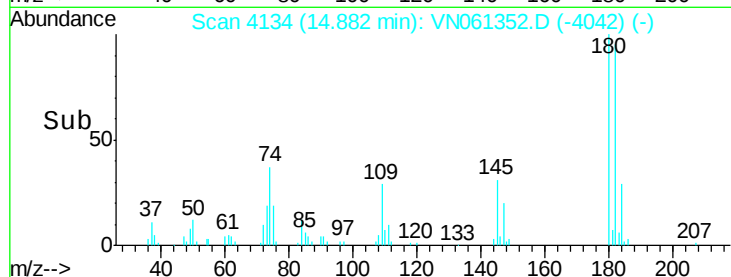
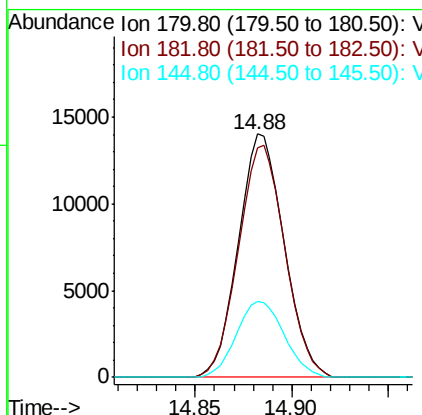
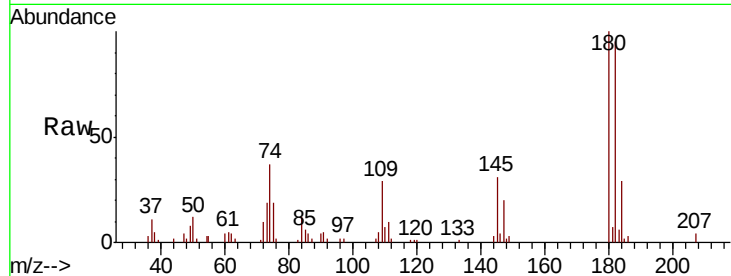
#93
 1,2,4-Trichlorobenzene
 Concen: 17.851 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0508WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	32.5	16.0	47.9

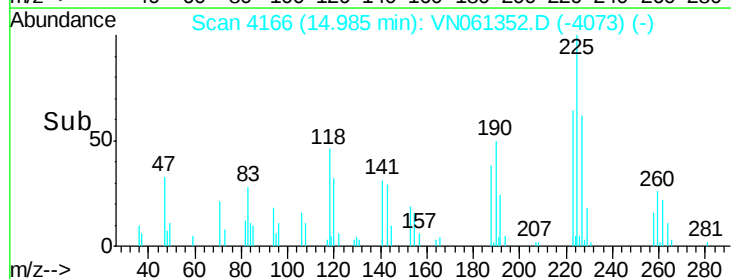
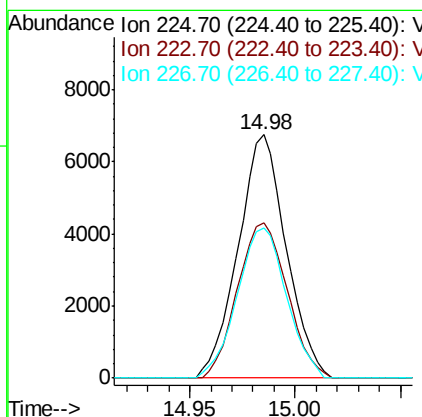
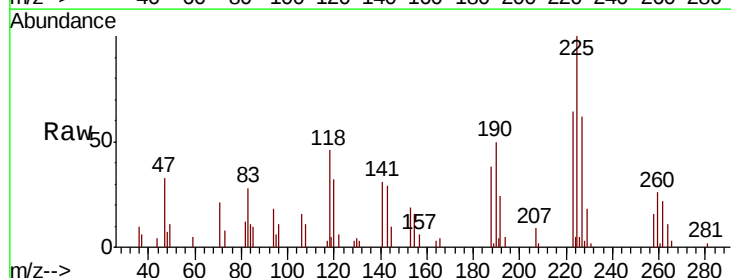
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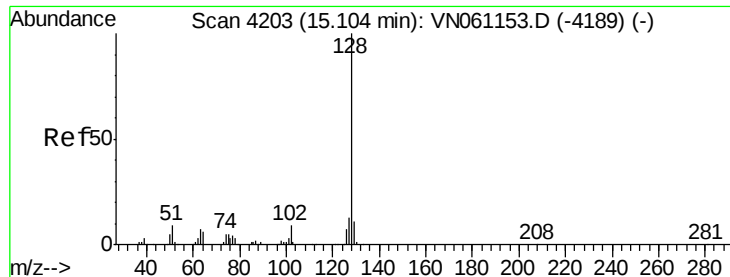
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#94
 Hexachlorobutadiene
 Concen: 19.793 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061352.D
 Acq: 8 May 2020 11:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	32.4	97.0
227	63.2	32.4	97.0





#95

Naphthalene

Concen: 16.866 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Instrument :

MSVOA_N

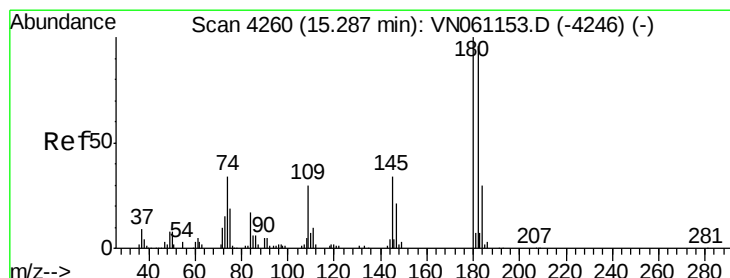
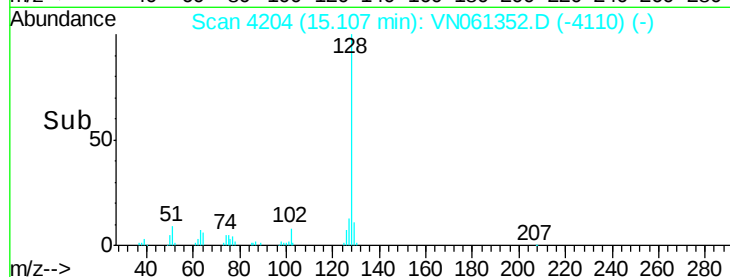
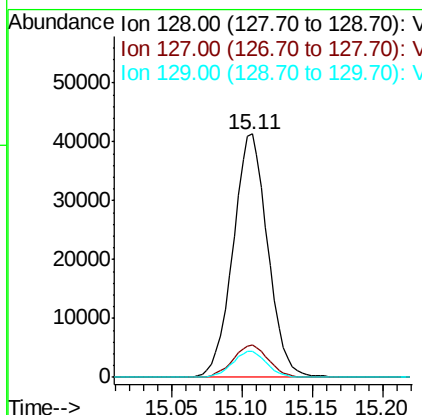
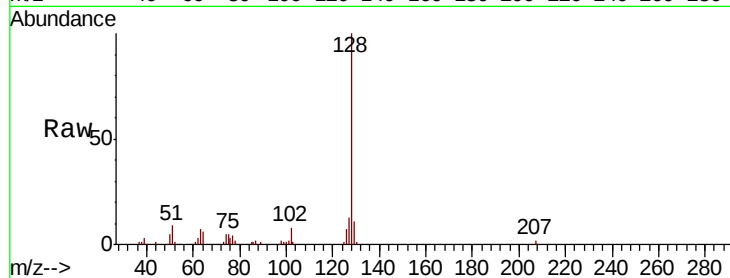
ClientSampled :

VN0508WBS01

Tot Ion:	128	Resp:	71025
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	10.4	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.942 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061352.D

Acq: 8 May 2020 11:24

Tgt Ion:	180	Resp:	22905
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.5
145	33.2	16.9	50.7

