

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061314.D
 Acq On : 6 May 2020 16:59
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:39 AM

Quant Time: May 07 07:05:43 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	7.63	168	103100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	163689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	75468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	83919	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
35) Dibromofluoromethane	7.55	113	48793	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
50) Toluene-d8	10.06	98	213216	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.38	95	79278	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	18692	17.097	ug/l	96
3) Chloromethane	2.03	50	25189	19.023	ug/l	97
4) Vinyl Chloride	2.16	62	28160	18.724	ug/l	98
5) Bromomethane	2.54	94	11959	16.087	ug/l	98
6) Chloroethane	2.67	64	17272	18.119	ug/l	97
7) Trichlorofluoromethane	2.98	101	36002	21.218	ug/l	99
8) Diethyl Ether	3.37	74	13765	19.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	20744	18.977	ug/l	97
10) Methyl Iodide	3.91	142	20705	14.739	ug/l	98
11) Tert butyl alcohol	4.72	59	21129	96.686	ug/l	98
12) 1,1-Dichloroethene	3.69	96	19562	17.983	ug/l	95
13) Acrolein	3.56	56	18030	123.806	ug/l	97
14) Allyl chloride	4.27	41	41353	20.503	ug/l	98
15) Acrylonitrile	4.93	53	64477	96.114	ug/l	98
16) Acetone	3.77	43	64546	98.966	ug/l	100
17) Carbon Disulfide	4.01	76	41959	13.964	ug/l	100
18) Methyl Acetate	4.27	43	35548	17.707	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	75719	18.217	ug/l	98
20) Methylene Chloride	4.50	84	22655	17.810	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	20986	17.717	ug/l	98
22) Diisopropyl ether	5.91	45	86132	18.415	ug/l	98
23) Vinyl Acetate	5.84	43	346998	92.141	ug/l	100
24) 1,1-Dichloroethane	5.80	63	44444	18.187	ug/l	99
25) 2-Butanone	6.78	43	93349	96.702	ug/l	98
26) 2,2-Dichloropropane	6.77	77	39777	19.325	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	24405	17.557	ug/l	98
28) Bromochloromethane	7.15	49	23722	20.481	ug/l #	97
29) Tetrahydrofuran	7.17	42	61452	94.503	ug/l	98
30) Chloroform	7.33	83	43595	17.604	ug/l	98
31) Cyclohexane	7.61	56	38975	16.423	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	38210	17.719	ug/l	99
36) 1,1-Dichloropropene	7.75	75	31464	17.536	ug/l	99
37) Ethyl Acetate	6.88	43	38738	18.416	ug/l	100
38) Carbon Tetrachloride	7.73	117	28149	18.695	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	30949	15.381	ug/l	99
40) Benzene	8.00	78	93069	17.411	ug/l	99
41) Methacrylonitrile	7.13	41	14554m	16.664	ug/l	
42) 1,2-Dichloroethane	8.08	62	37658	18.596	ug/l	99
43) Isopropyl Acetate	8.13	43	64529	18.485	ug/l	99
44) Trichloroethene	8.80	130	22989	15.909	ug/l	96
45) 1,2-Dichloropropane	9.08	63	25614	17.936	ug/l	99
46) Dibromomethane	9.17	93	16044	18.144	ug/l	99
47) Bromodichloromethane	9.37	83	34387	18.118	ug/l	97
48) Methyl methacrylate	9.17	41	29092	18.468	ug/l	96
49) 1,4-Dioxane	9.17	88	5490	307.021	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	194484	94.648	ug/l	99
52) Toluene	10.12	92	65883	20.462	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	38141	17.835	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	40012	17.697	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	23391	18.213	ug/l	97
56) Ethyl methacrylate	10.40	69	35276	17.630	ug/l	98
57) 1,3-Dichloropropane	10.68	76	41216	18.258	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	88493	85.126	ug/l	100
59) 2-Hexanone	10.72	43	142031	95.009	ug/l	99
60) Dibromochloromethane	10.87	129	24220	18.006	ug/l	97
61) 1,2-Dibromoethane	10.98	107	23149	17.984	ug/l	100
64) Tetrachloroethene	10.60	164	21798	15.375	ug/l	95
65) Chlorobenzene	11.41	112	57822	17.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	21775	18.737	ug/l	99
67) Ethyl Benzene	11.48	91	108310	17.819	ug/l	100
68) m/p-Xylenes	11.60	106	79186	35.591	ug/l	98
69) o-Xylene	11.92	106	37227	17.419	ug/l	97
70) Styrene	11.94	104	62662	17.518	ug/l	98
71) Bromoform	12.10	173	15380	18.007	ug/l #	95
73) Isopropylbenzene	12.22	105	101992	18.384	ug/l	100
74) N-amyl acetate	12.05	43	51806	18.440	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	33664	19.460	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	31015m	19.493	ug/l	
77) Bromobenzene	12.50	156	23515	18.361	ug/l	96
78) n-propylbenzene	12.57	91	119586	18.173	ug/l	99
79) 2-Chlorotoluene	12.65	91	71037	18.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	84094	18.314	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	11898	18.990	ug/l	96
82) 4-Chlorotoluene	12.75	91	76126	18.674	ug/l	97
83) tert-Butylbenzene	12.97	119	67756	17.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	84410	17.842	ug/l	99
85) sec-Butylbenzene	13.15	105	90820	17.204	ug/l	99
86) p-Isopropyltoluene	13.26	119	80816	16.992	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	42792	18.150	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	42934	17.822	ug/l	98
89) n-Butylbenzene	13.59	91	72042	16.523	ug/l	98
90) Hexachloroethane	13.85	117	10215	25.076	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	41248	18.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7096	19.422	ug/l	98

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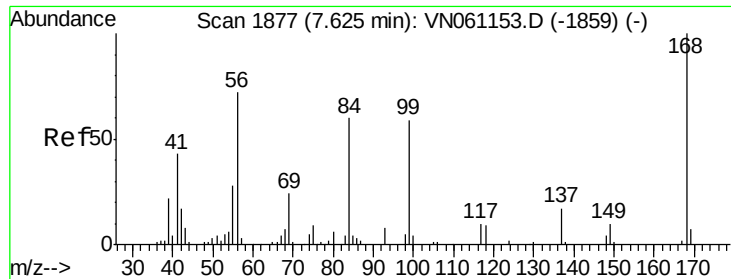
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	22344	16.231	ug/l	98
94) Hexachlorobutadiene	14.99	225	9497	16.513	ug/l	96
95) Naphthalene	15.11	128	76333	17.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	23197	17.067	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleID :

VN0506WBSD01

Tot Ion:168 Resp: 103100

Ion Ratio Lower Upper

168 100

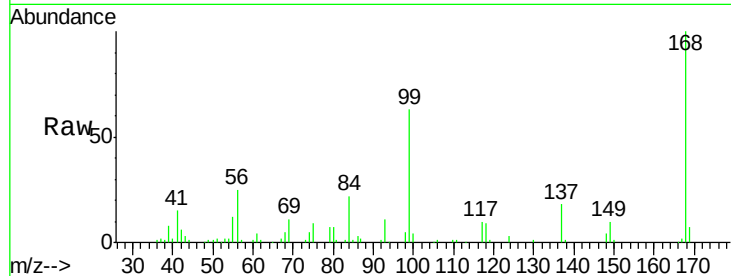
99 62.9 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

40000

30000

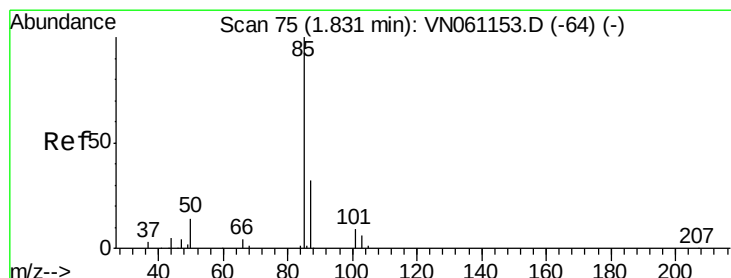
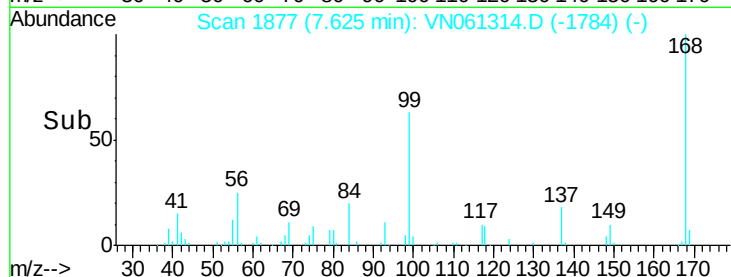
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.097 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061314.D

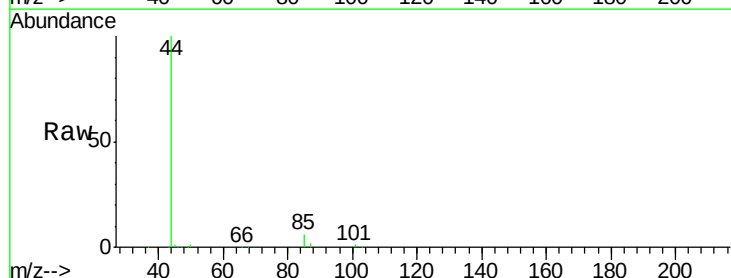
Acq: 6 May 2020 16:59

Tgt Ion: 85 Resp: 18692

Ion Ratio Lower Upper

85 100

87 29.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

15000

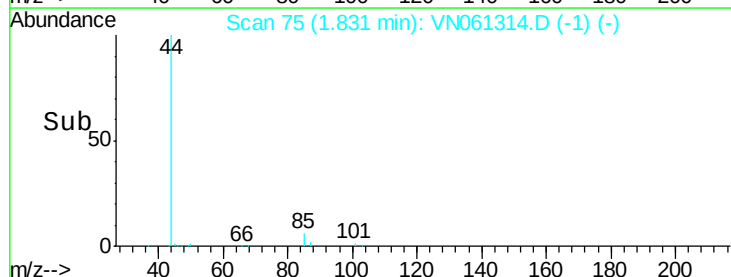
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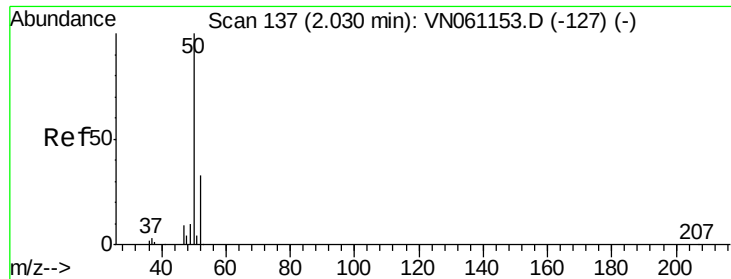
5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 19.023 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 50 Resp: 25189

Ion Ratio Lower Upper

50 100

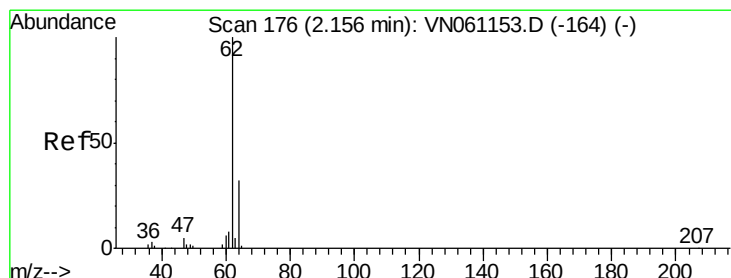
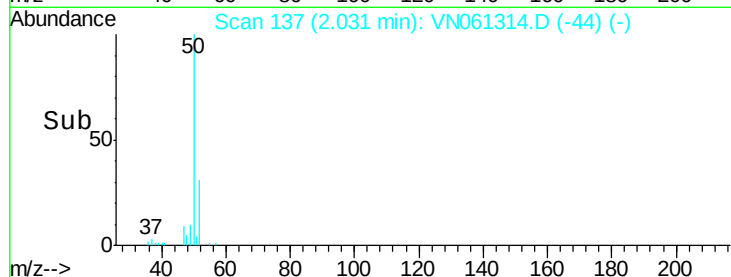
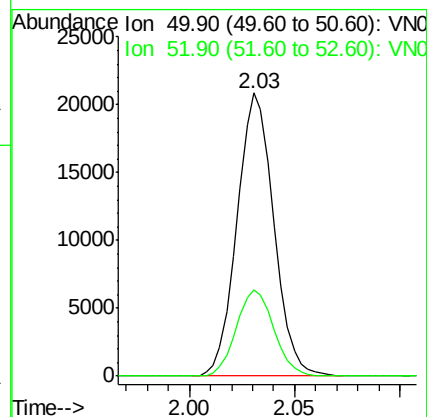
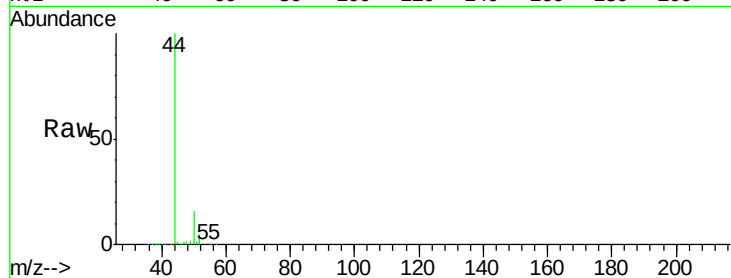
52 30.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.724 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061314.D

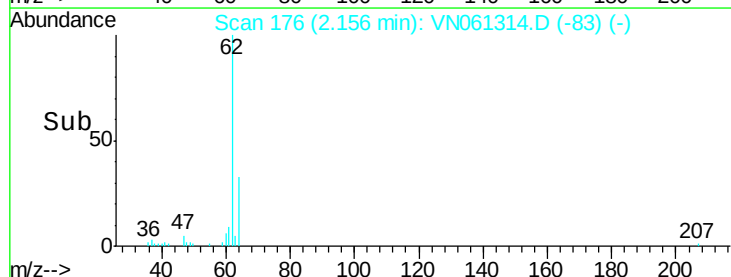
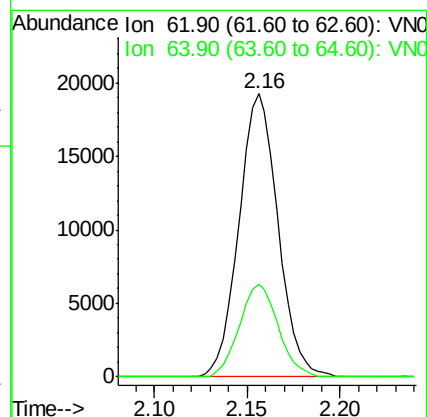
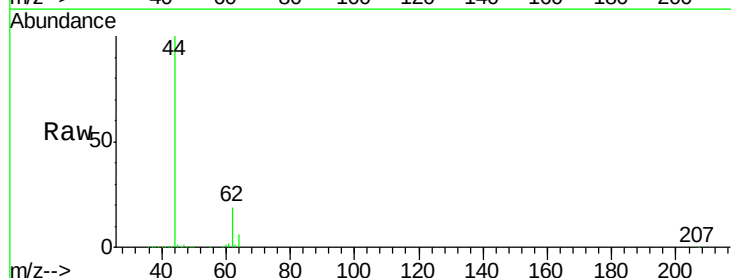
Acq: 6 May 2020 16:59

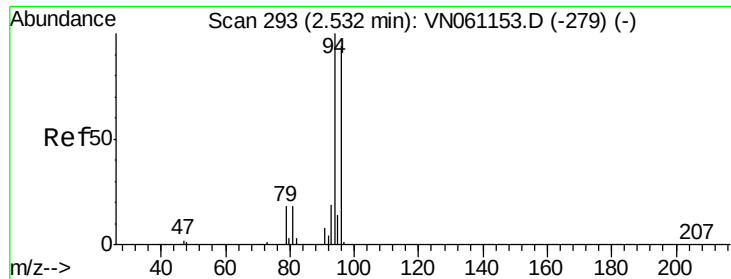
Tgt Ion: 62 Resp: 28160

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 16.087 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 94 Resp: 11959

Ion Ratio Lower Upper

94 100

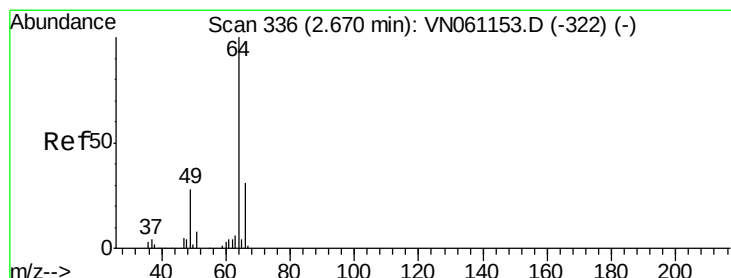
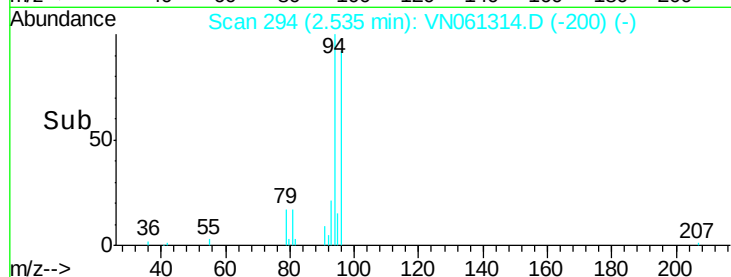
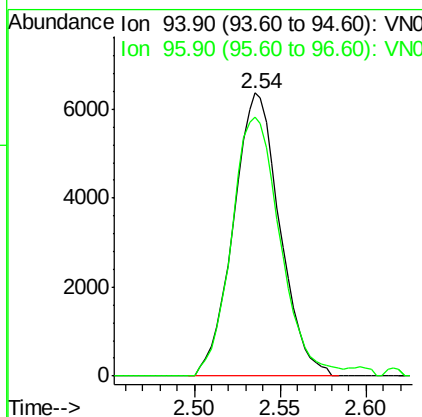
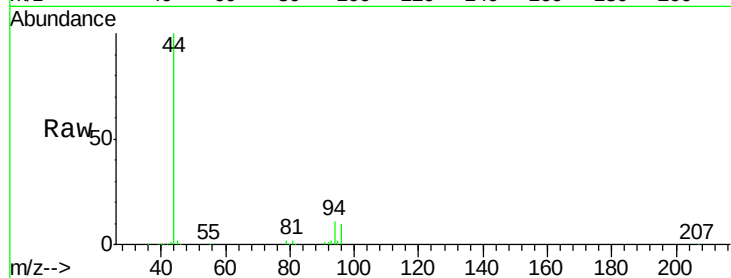
96 91.5 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 18.119 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061314.D

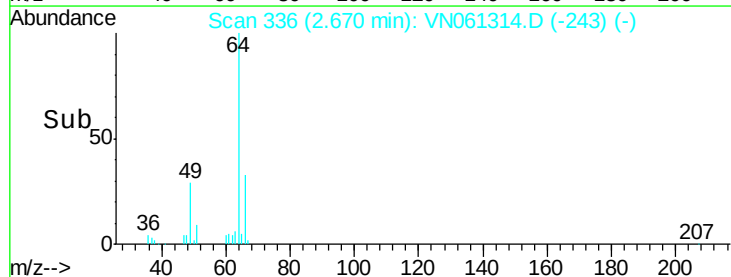
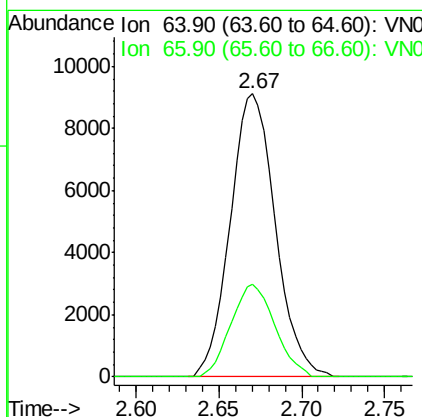
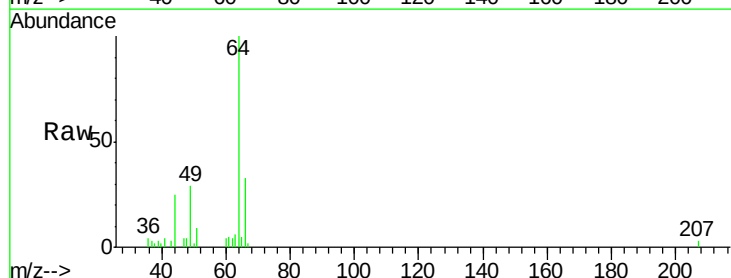
Acq: 6 May 2020 16:59

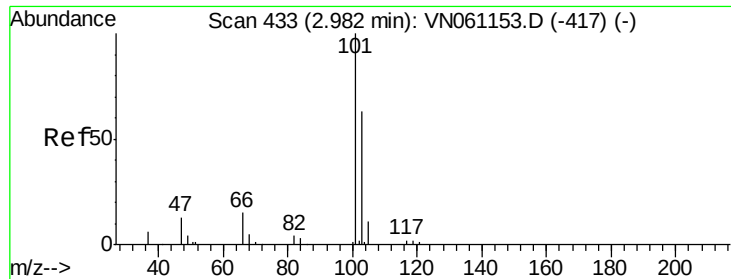
Tgt Ion: 64 Resp: 17272

Ion Ratio Lower Upper

64 100

66 32.5 24.6 36.8





#7

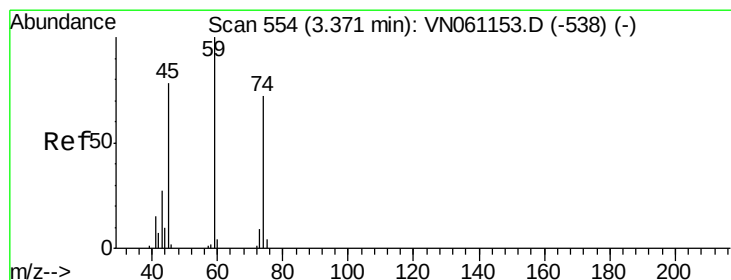
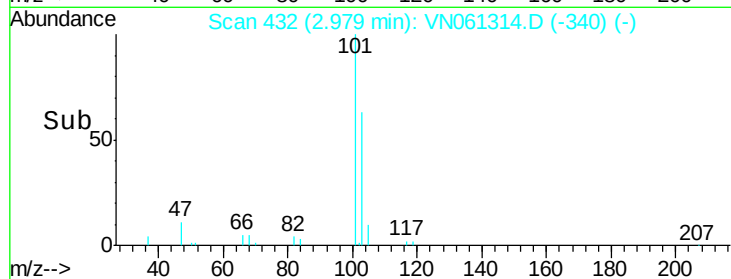
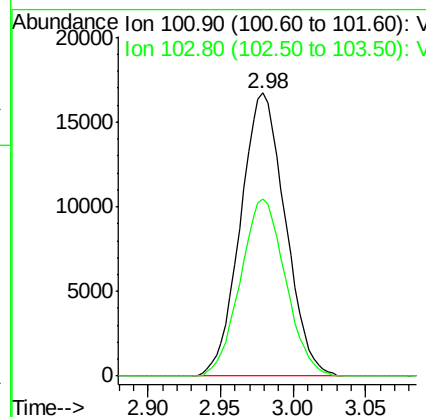
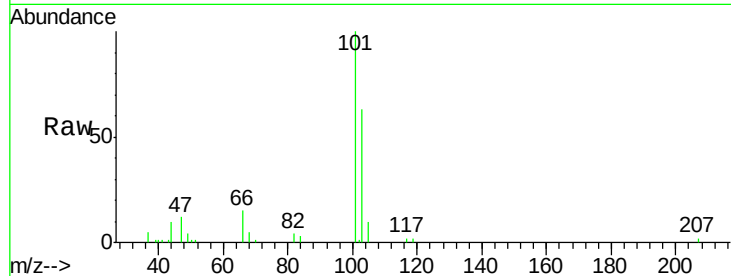
Trichlorofluoromethane
 Concen: 21.218 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.6	76.0

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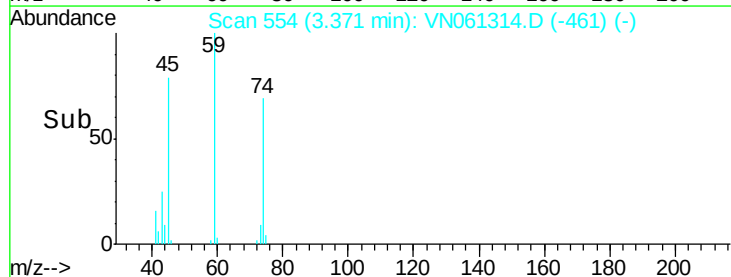
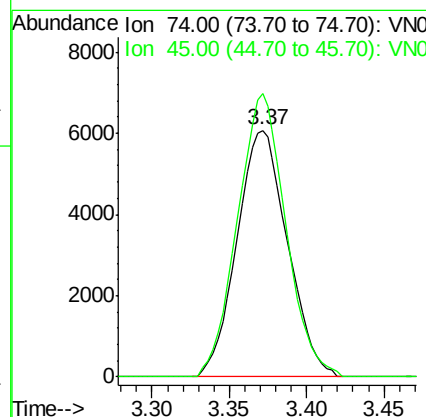
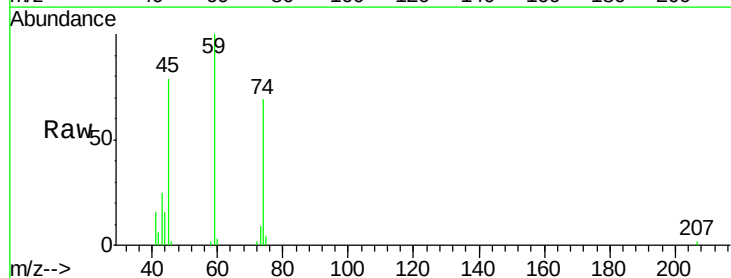
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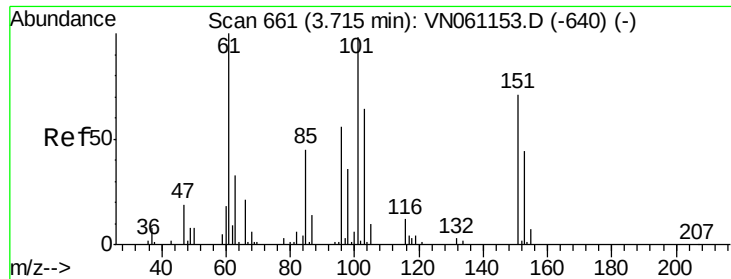


#8

Diethyl Ether
 Concen: 19.449 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.977 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

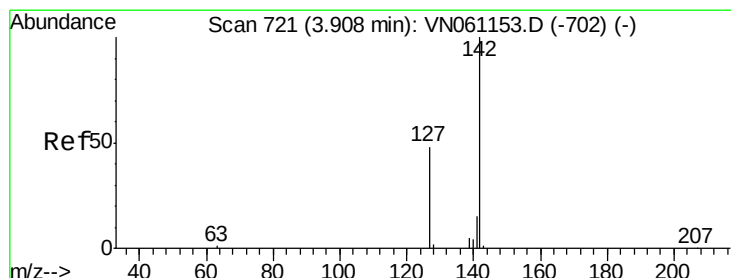
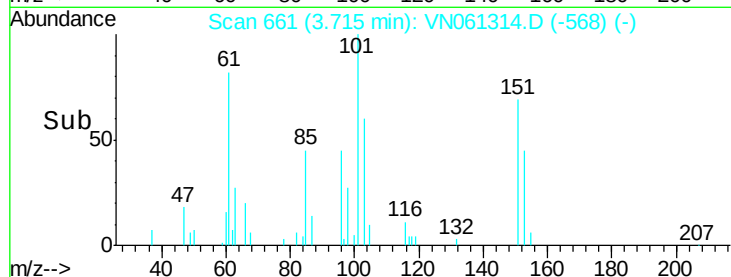
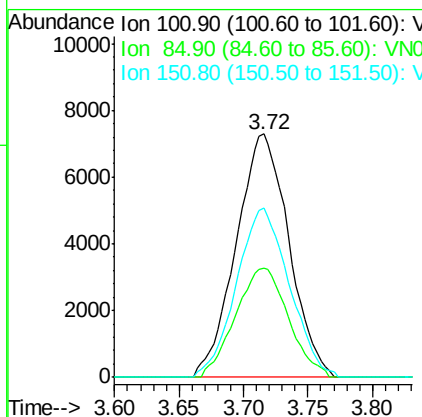
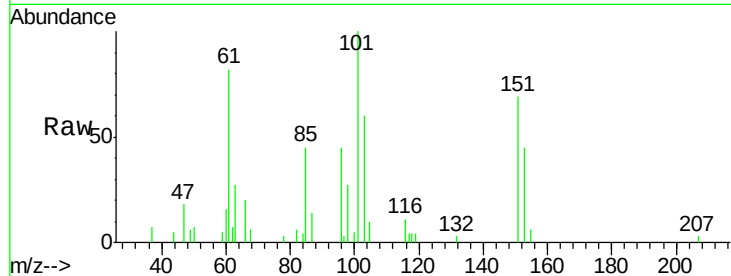
ClientSampleId :

VN0506WBSD01

Tot Ion:	101	Resp:	20744
Ion Ratio	Lower	Upper	
101	100		
85	44.9	37.2	55.8
151	69.7	57.7	86.5

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#10

Methyl Iodide

Concen: 14.739 ug/l

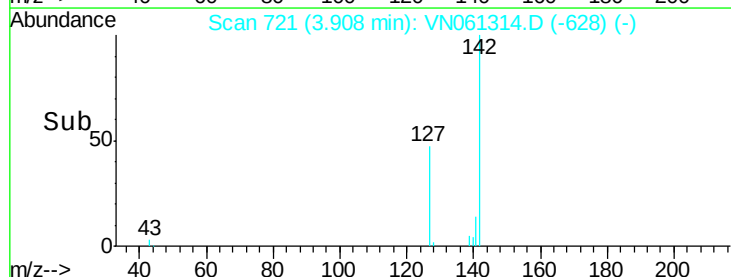
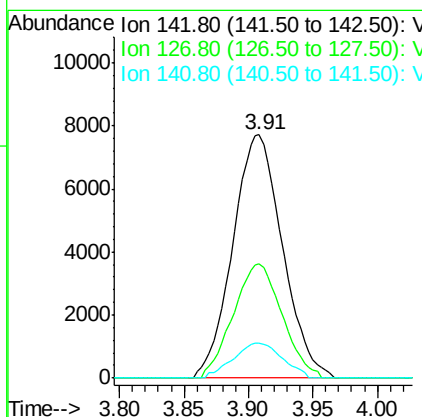
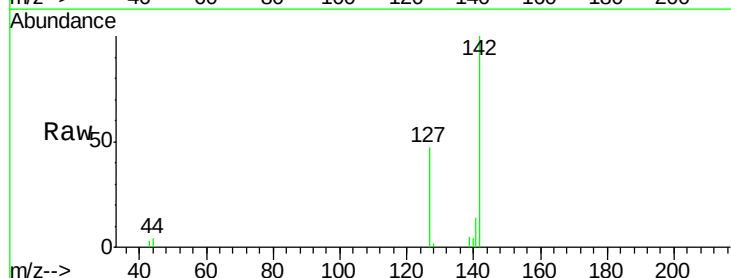
RT: 3.91 min Scan# 721

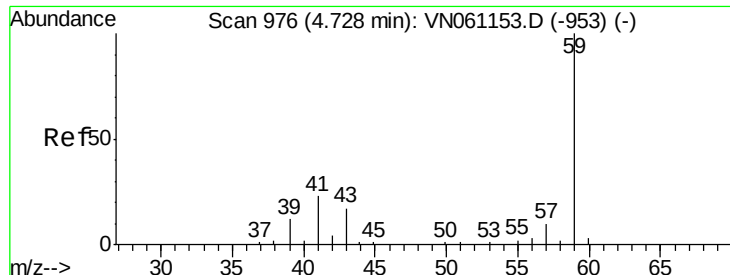
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	142	Resp:	20705
Ion Ratio	Lower	Upper	
142	100		
127	46.1	38.0	57.0
141	14.2	11.7	17.5





#11

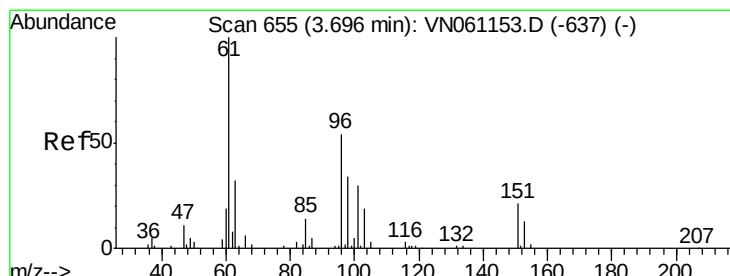
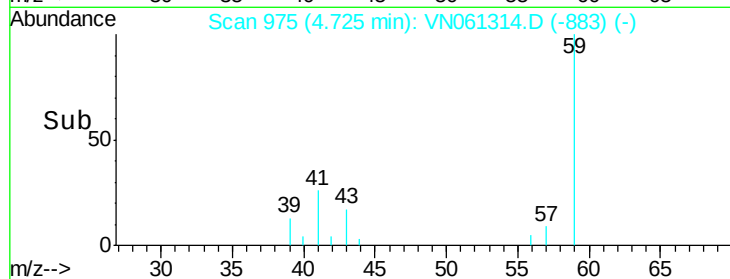
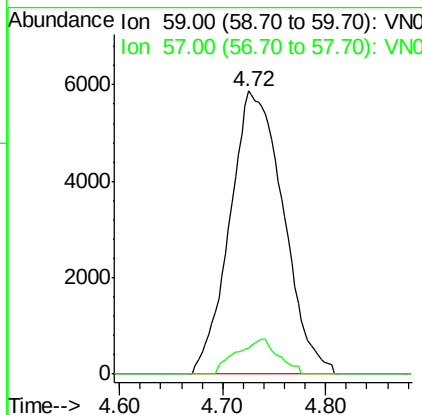
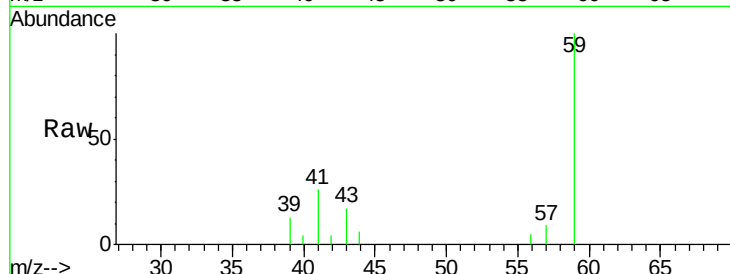
Tert butyl alcohol
 Concen: 96.686 ug/l
 RT: 4.72 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
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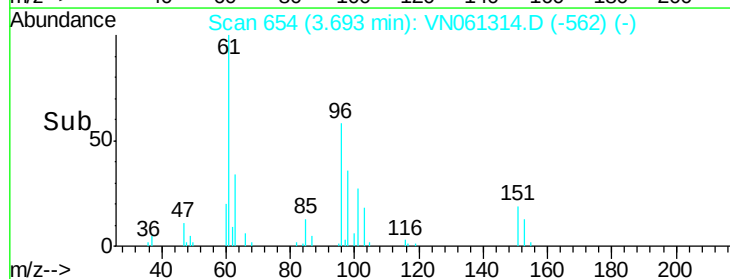
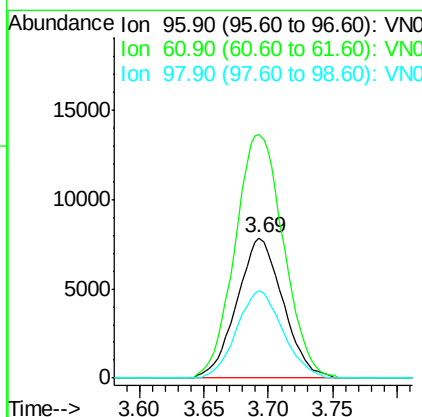
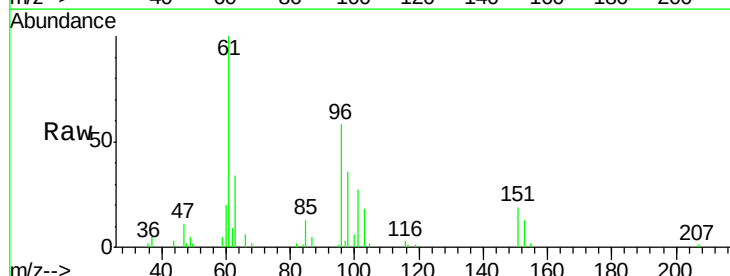
MMDadoda
 5/7/2020 10:36:39 AM

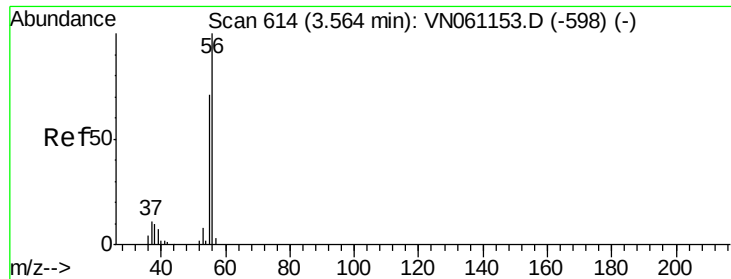


#12

1,1-Dichloroethene
 Concen: 17.983 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	147.0	220.6
98	62.4	49.8	74.6





#13

Acrolein

Concen: 123.806 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 56 Resp: 18030

Ion Ratio Lower Upper

56 100

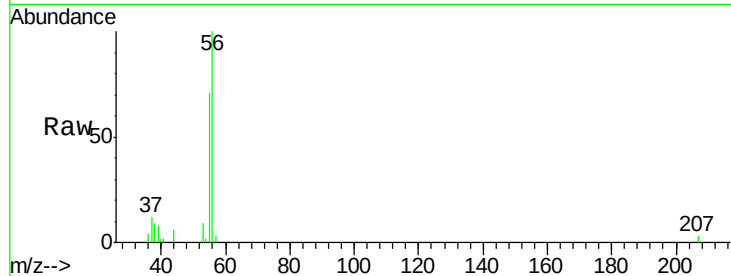
55 70.4 58.5 87.7

Manual Integrations

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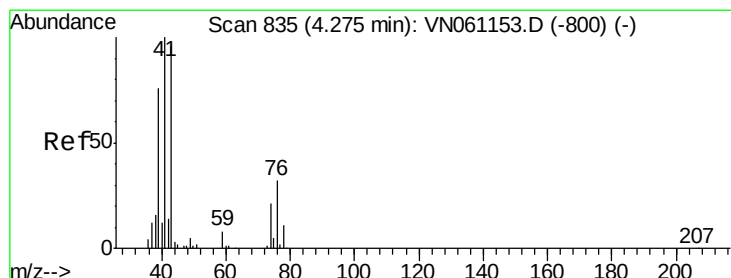
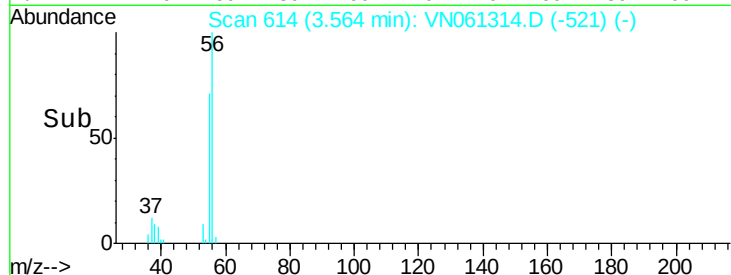
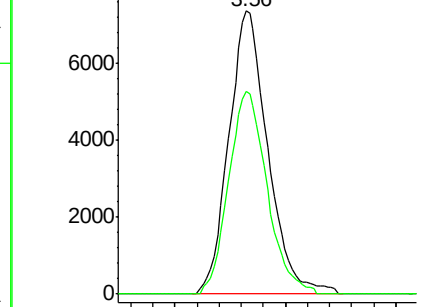
MMDadoda

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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: 20.503 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

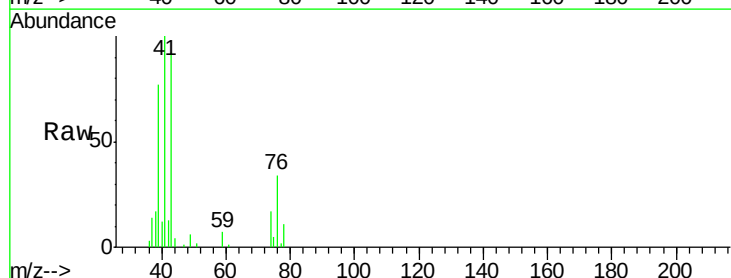
Tgt Ion: 41 Resp: 41353

Ion Ratio Lower Upper

41 100

39 72.4 57.1 85.7

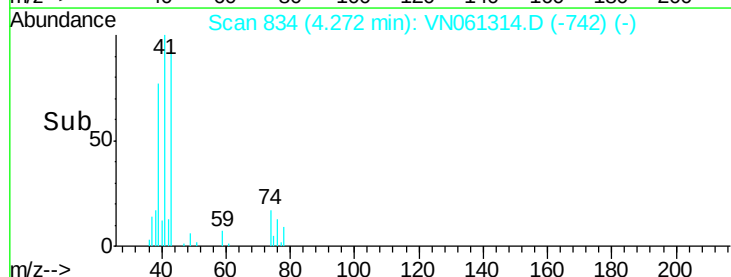
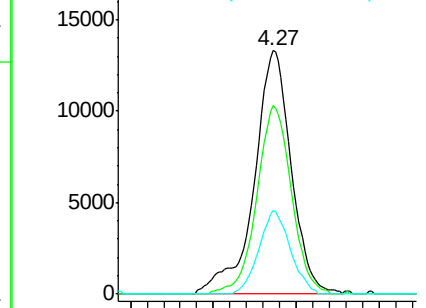
76 29.1 24.3 36.5

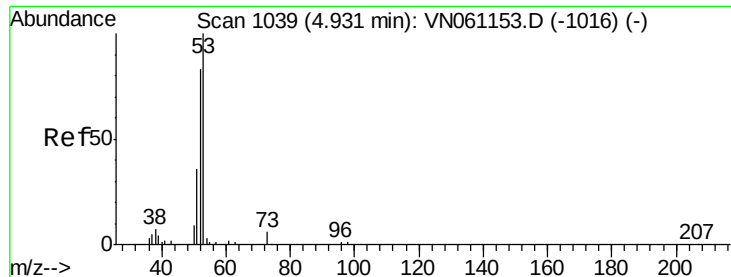


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.114 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

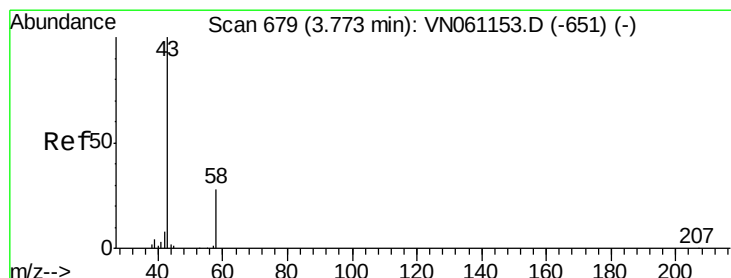
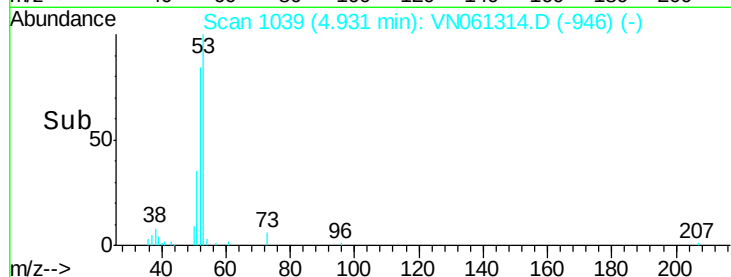
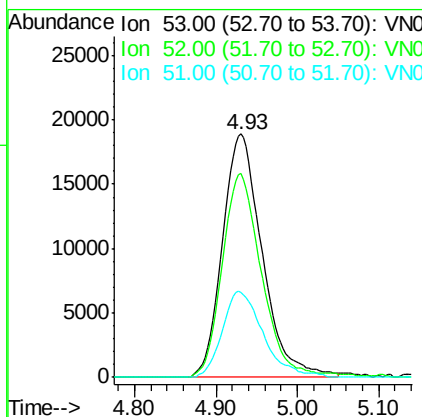
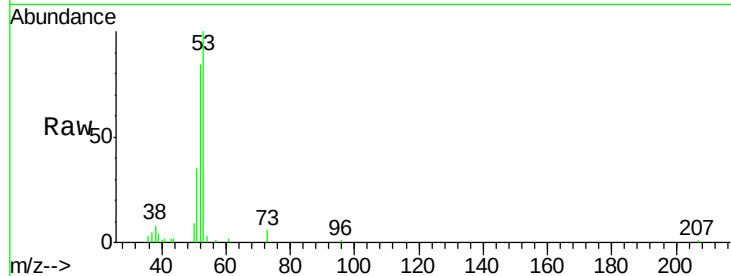
ClientSampleId :

VN0506WBSD01

Tot Ion:	53	Resp:	64477
Ion Ratio		Lower	Upper
53	100		
52	83.2	65.4	98.0
51	36.3	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 98.966 ug/l

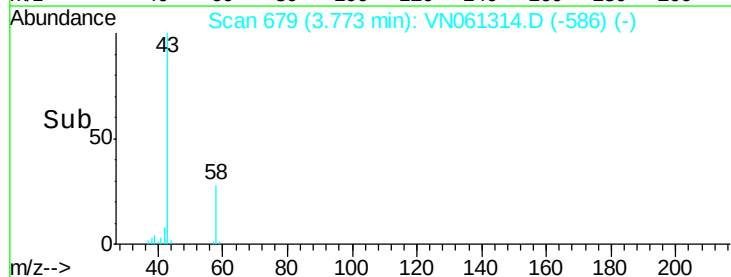
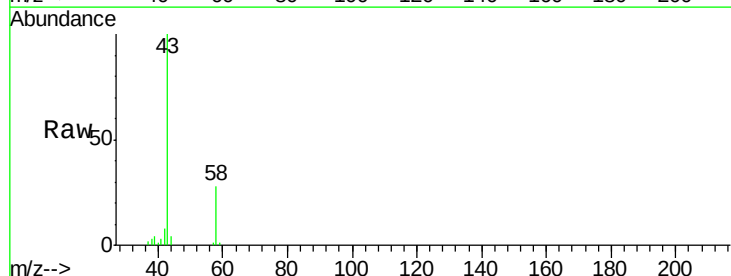
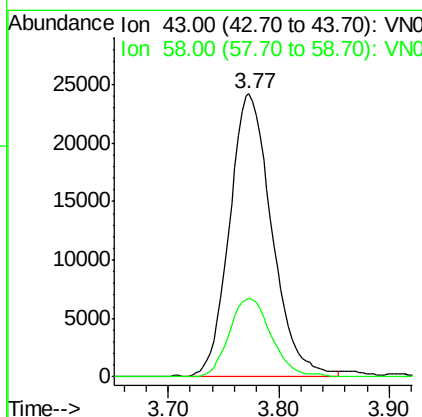
RT: 3.77 min Scan# 679

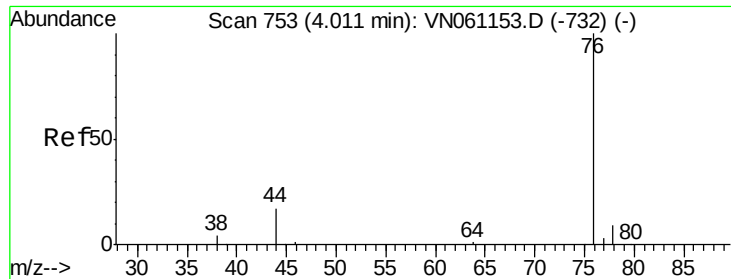
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	43	Resp:	64546
Ion Ratio		Lower	Upper
43	100		
58	27.8	22.2	33.2





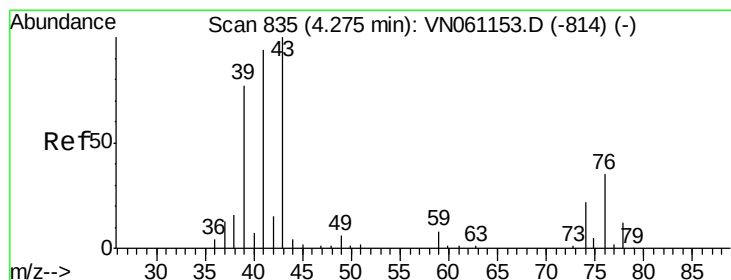
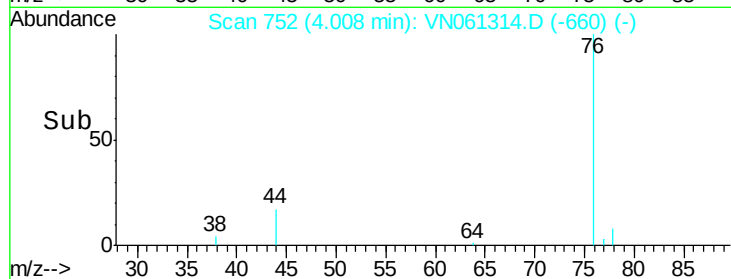
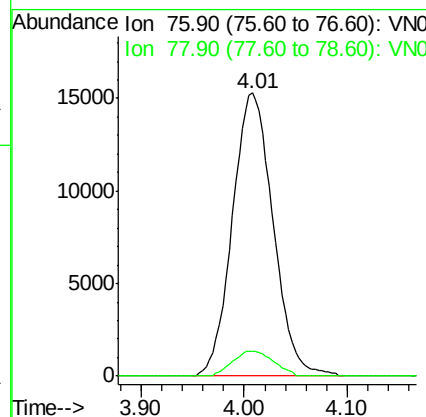
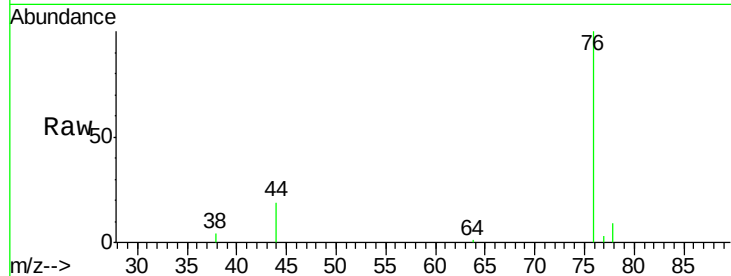
#17
Carbon Disulfide
Concen: 13.964 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

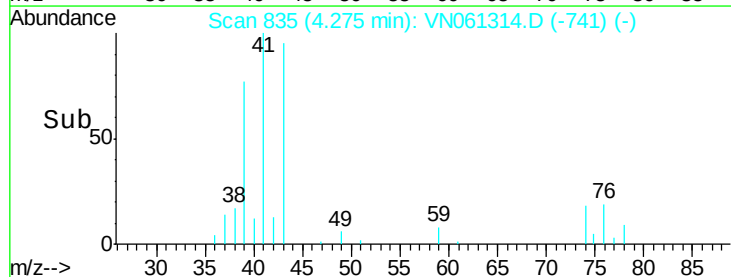
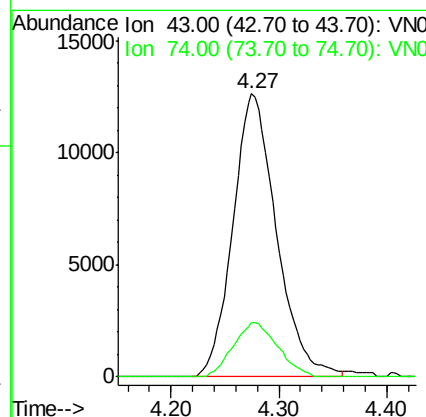
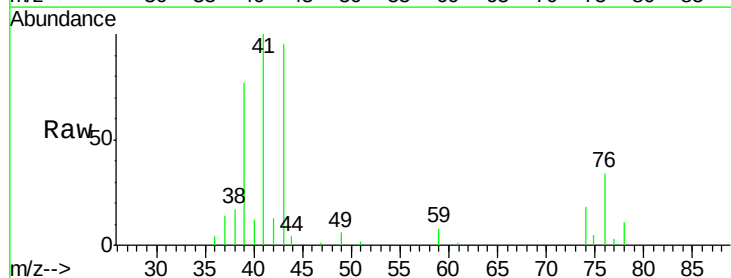
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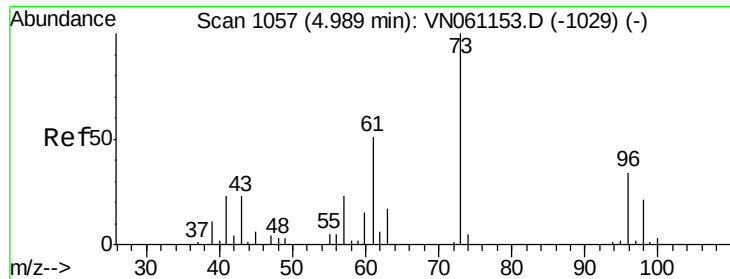
MMDadoda
5/7/2020 10:36:39 AM



#18
Methyl Acetate
Concen: 17.707 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	17.0	25.4





#19

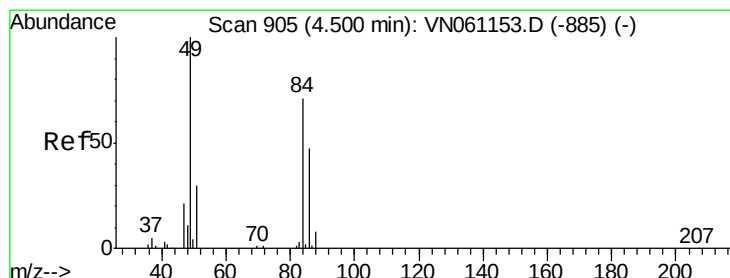
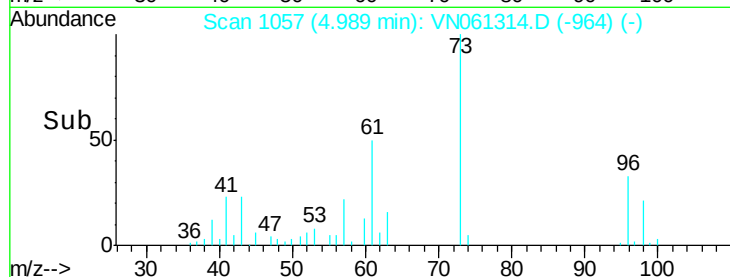
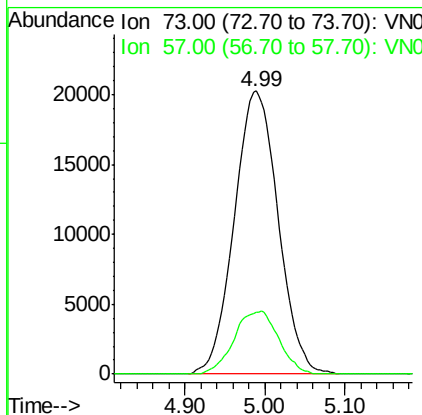
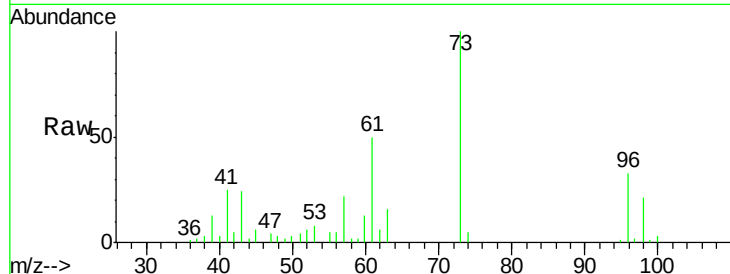
Methvl tert-butyl Ether
 Concen: 18.217 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion: 73 Resp: 75719
 Ion Ratio Lower Upper
 73 100
 57 21.8 18.3 27.5

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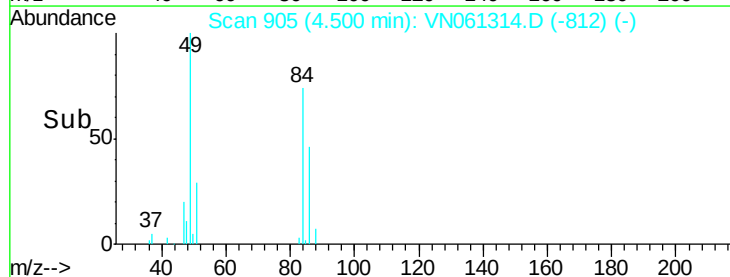
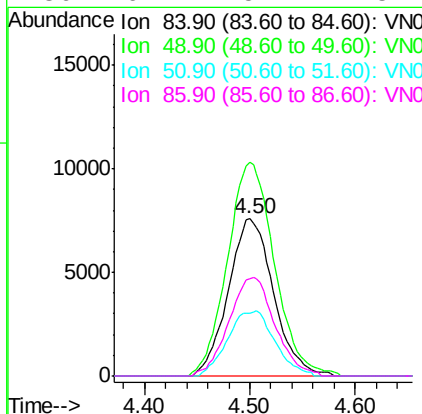
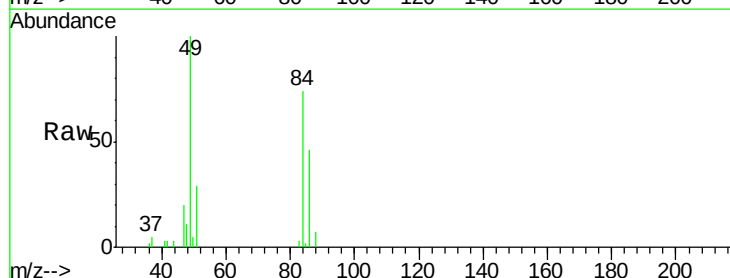
MMDadoda
 5/7/2020 10:36:39 AM

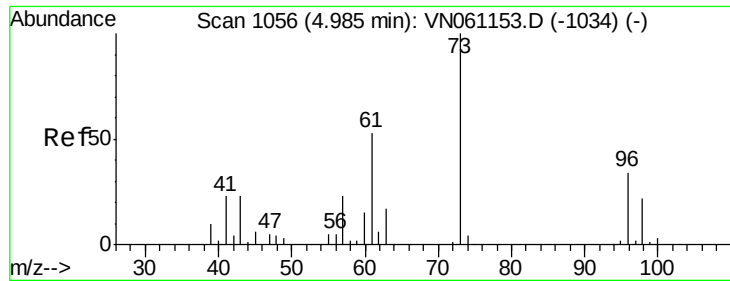


#20

Methylene Chloride
 Concen: 17.810 ug/l
 RT: 4.50 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion: 84 Resp: 22655
 Ion Ratio Lower Upper
 84 100
 49 136.0 112.0 168.0
 51 39.8 33.6 50.4
 86 62.1 52.1 78.1





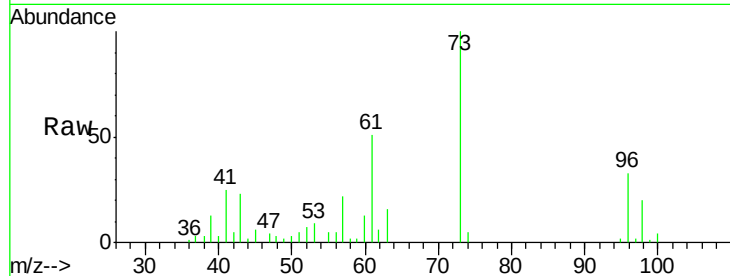
#21
trans-1,2-Dichloroethene
Concen: 17.717 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

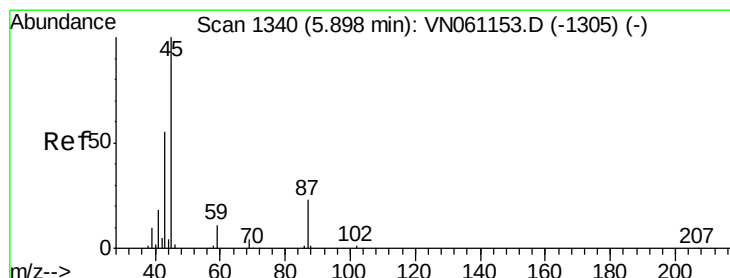
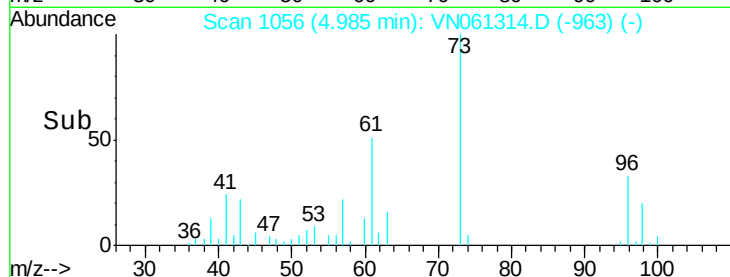
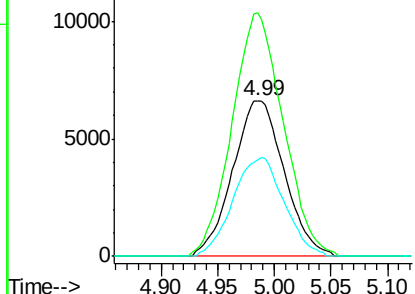
Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	123.0	184.4
98	62.2	50.1	75.1

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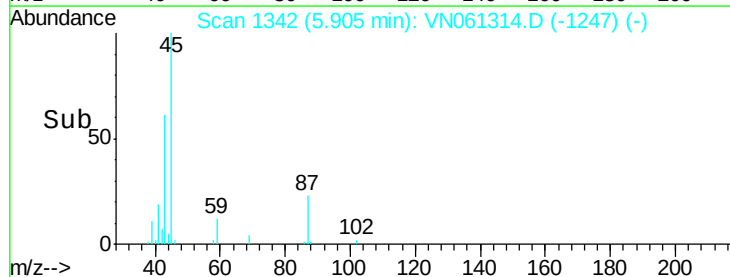
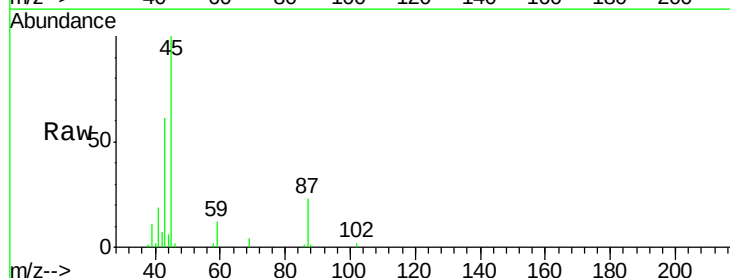
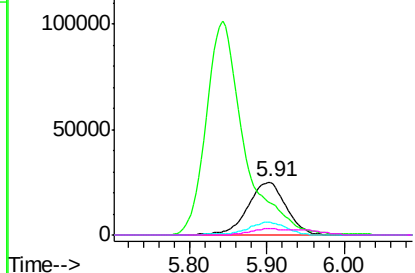
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

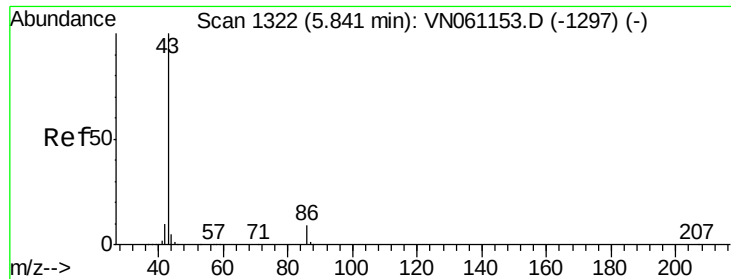


#22
Diisopropyl ether
Concen: 18.415 ug/l
RT: 5.91 min Scan# 1342
Delta R.T. 0.01 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	47.9	71.9
87	23.4	19.2	28.8
59	12.5	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: 92.141 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 346998

Ion Ratio Lower Upper

43 100

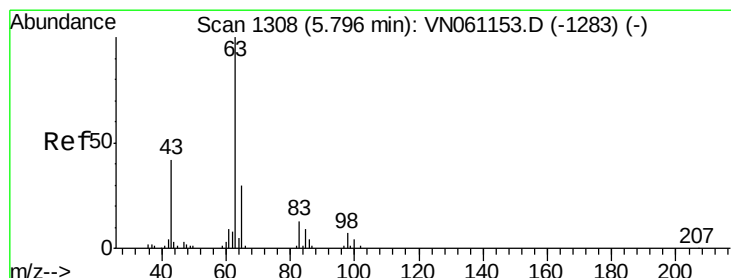
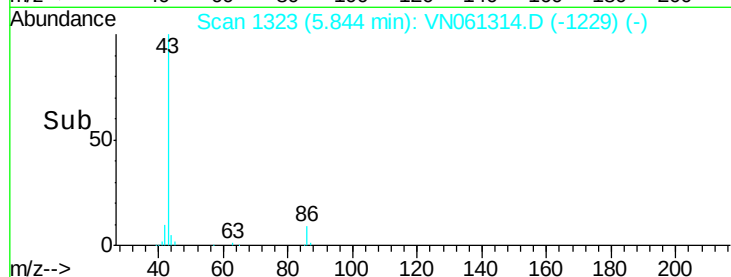
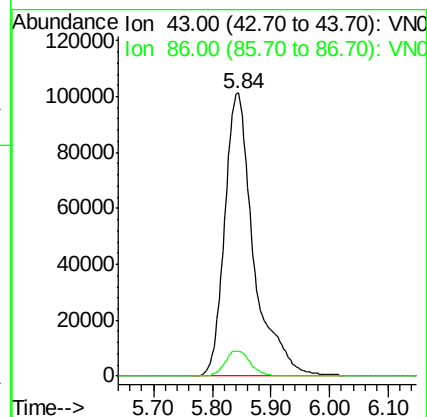
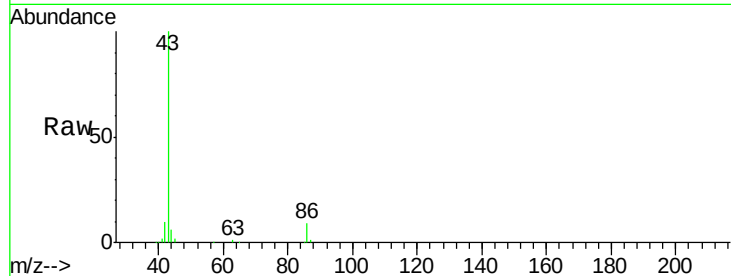
86 9.0 7.2 10.8

Manual Integrations

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5/7/2020 10:36:39 AM



#24

1,1-Dichloroethane

Concen: 18.187 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

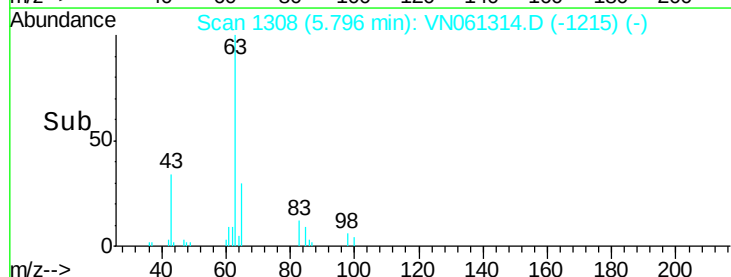
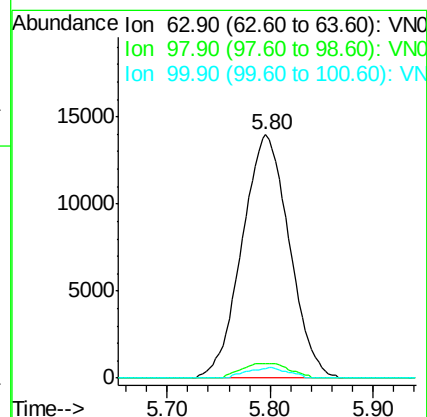
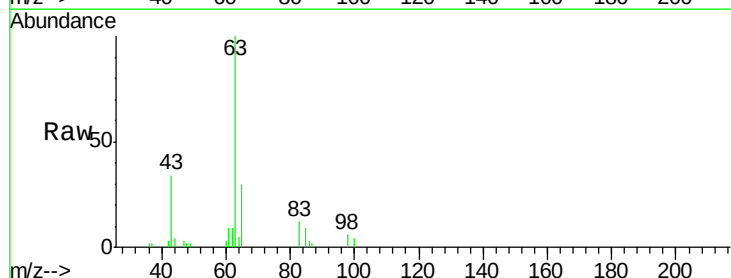
Tgt Ion: 63 Resp: 44444

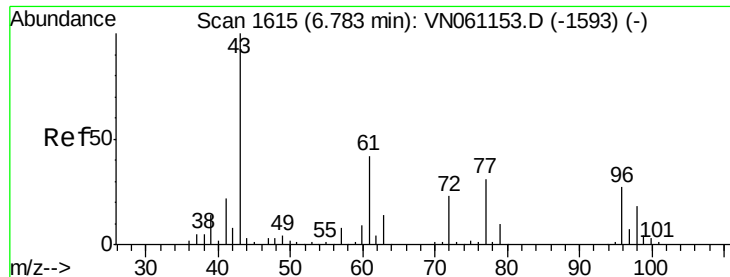
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.9 1.9 5.7





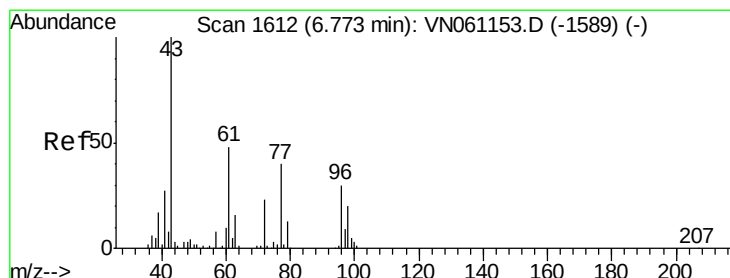
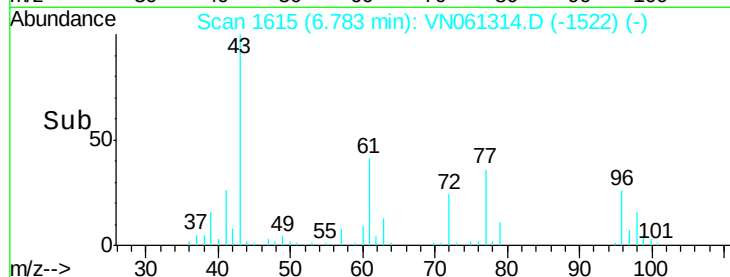
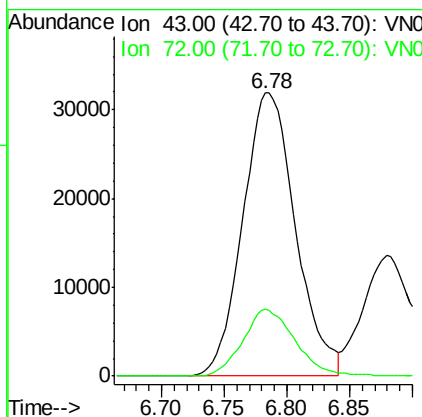
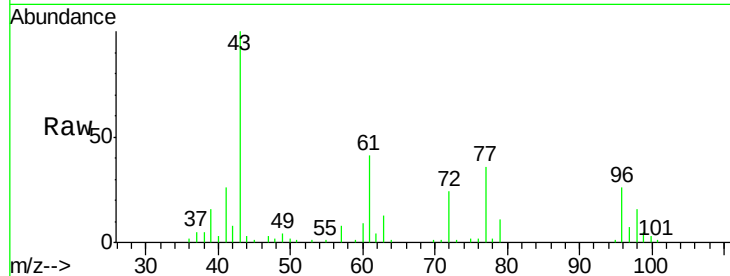
#25
2-Butanone
Concen: 96.702 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion: 43 Resp: 93349
Ion Ratio Lower Upper
43 100
72 23.9 18.2 27.4

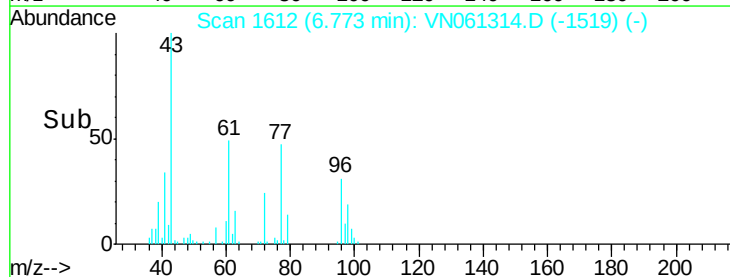
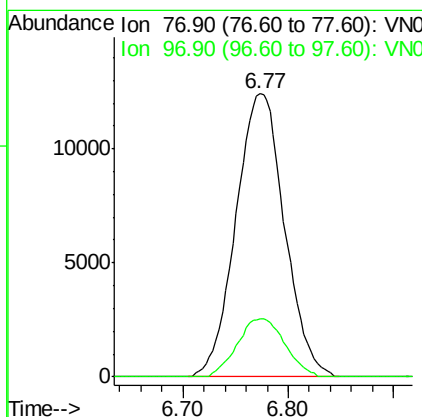
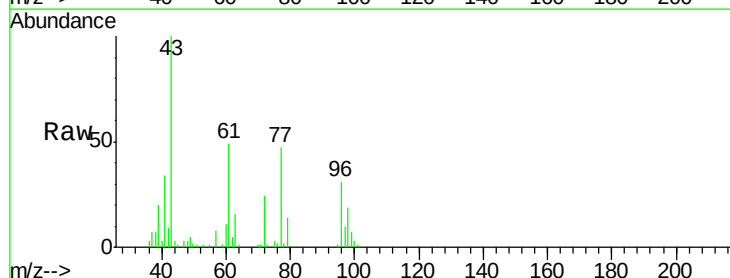
Manual Integrations
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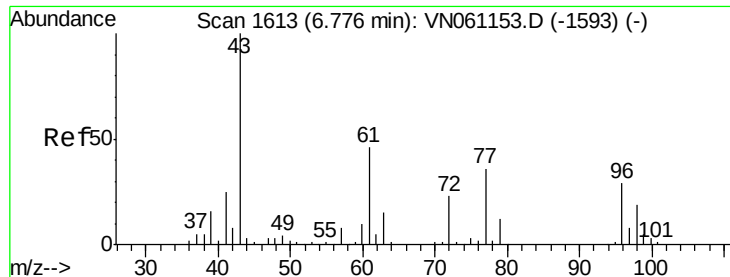
MMDadoda
5/7/2020 10:36:39 AM



#26
2,2-Dichloropropane
Concen: 19.325 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion: 77 Resp: 39777
Ion Ratio Lower Upper
77 100
97 20.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 17.557 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061314.D

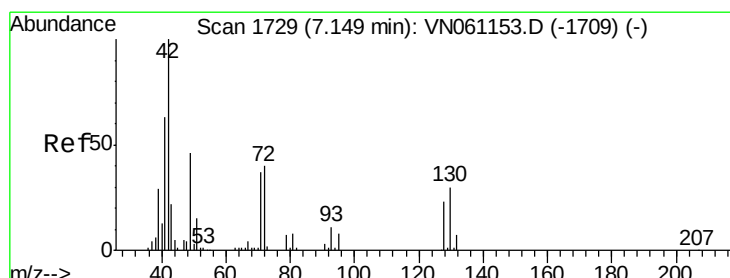
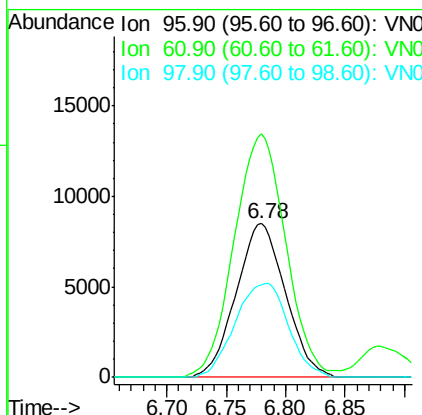
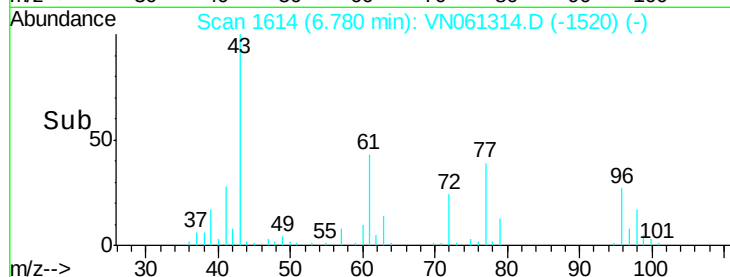
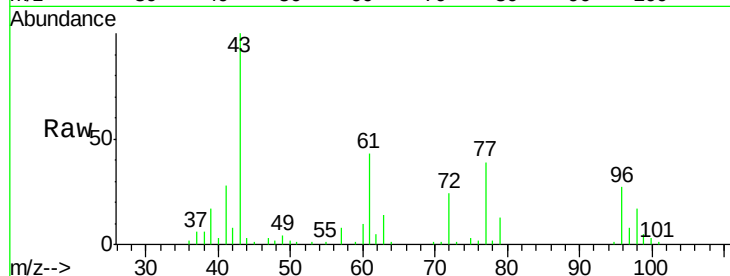
Acq: 6 May 2020 16:59

Tot Ion:	96	Resp:	24405
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	322.0
98	65.9	0.0	129.6

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Manual Integrations
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5/7/2020 10:36:39 AM



#28

Bromochloromethane

Concen: 20.481 ug/l

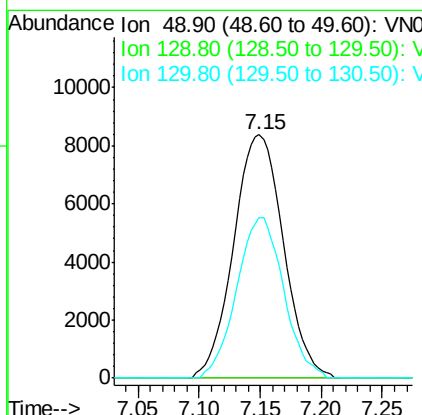
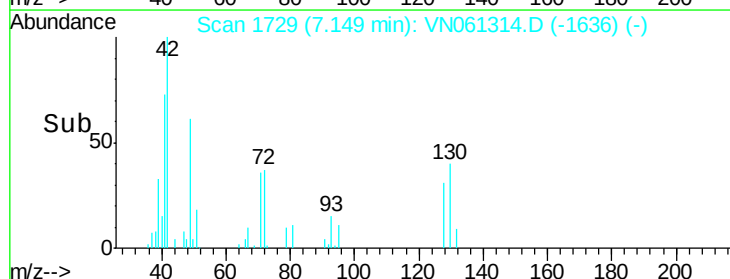
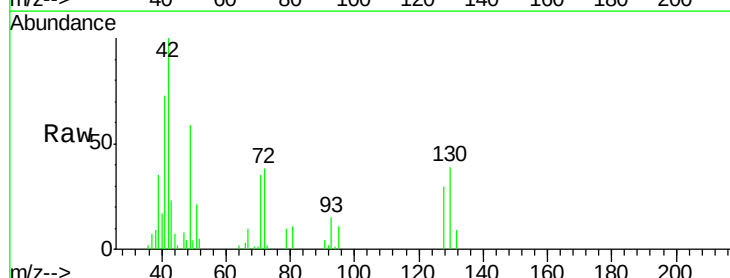
RT: 7.15 min Scan# 1729

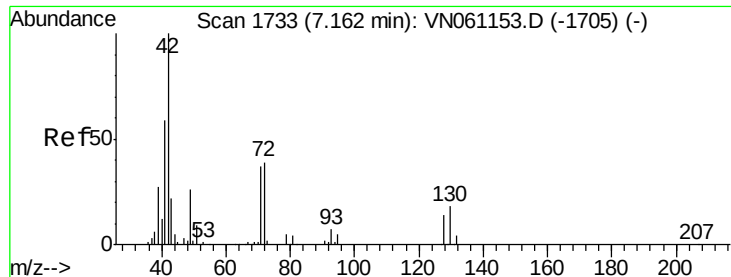
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	49	Resp:	23722
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	62.0	51.4	77.2





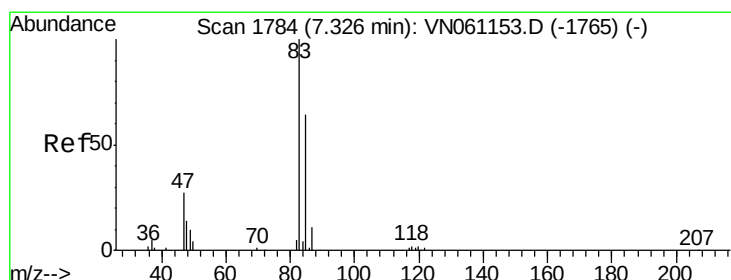
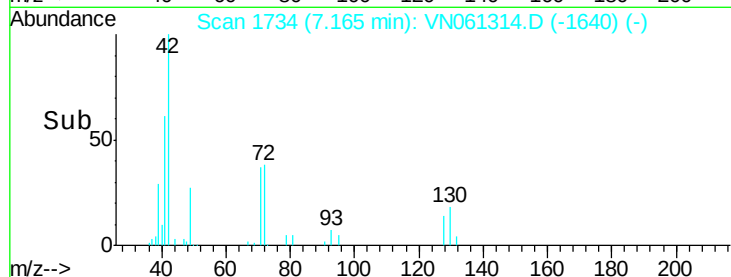
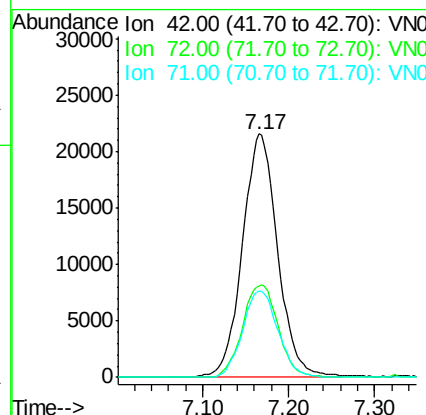
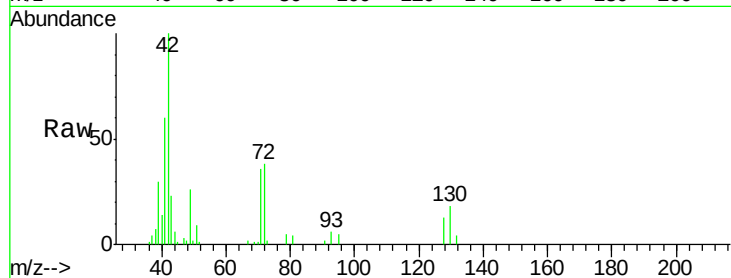
#29
Tetrahydrofuran
Concen: 94.503 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	31.4	47.0
71	35.5	29.5	44.3

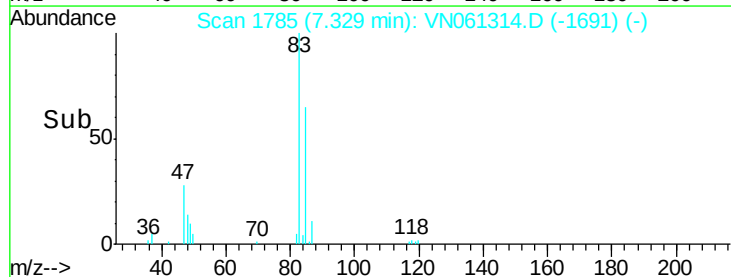
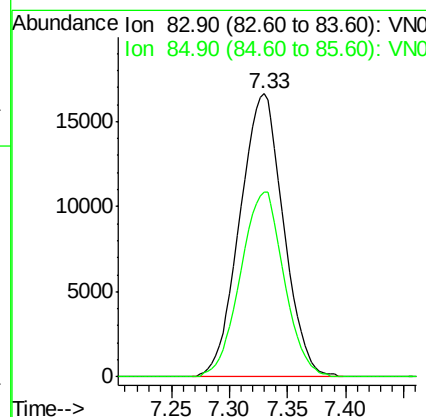
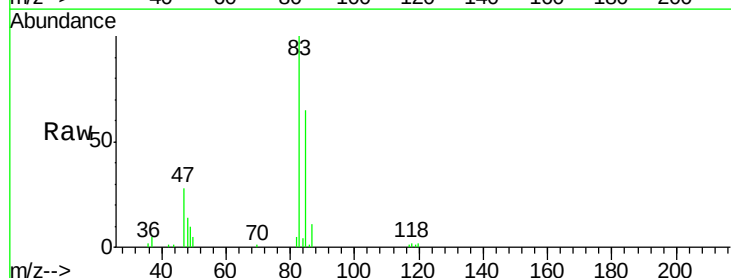
Manual Integrations
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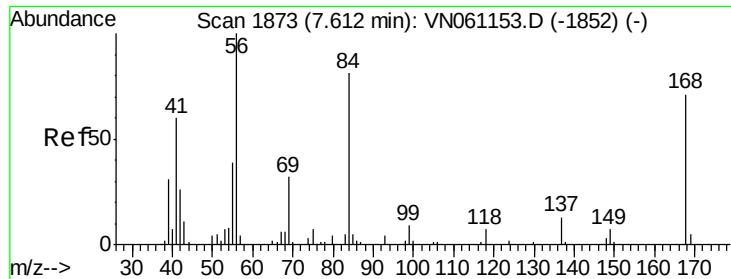
MMDadoda
5/7/2020 10:36:39 AM



#30
Chloroform
Concen: 17.604 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.1	76.7





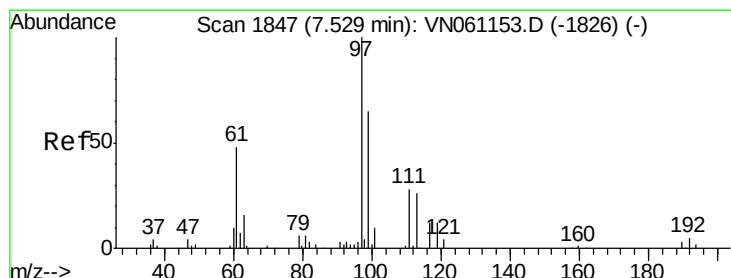
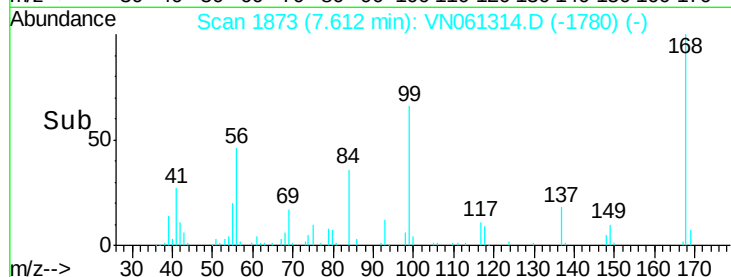
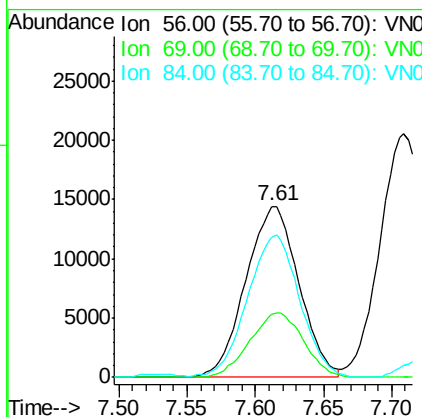
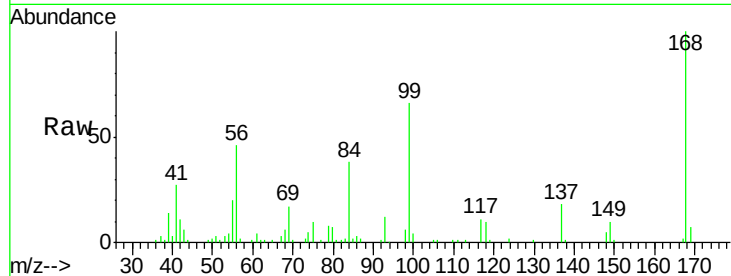
#31
Cyclohexane
Concen: 16.423 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	25.7	38.5
84	82.0	64.6	97.0

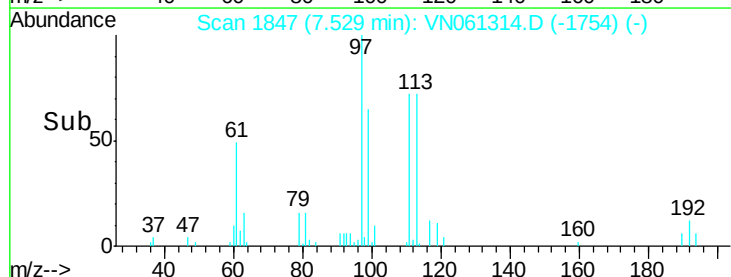
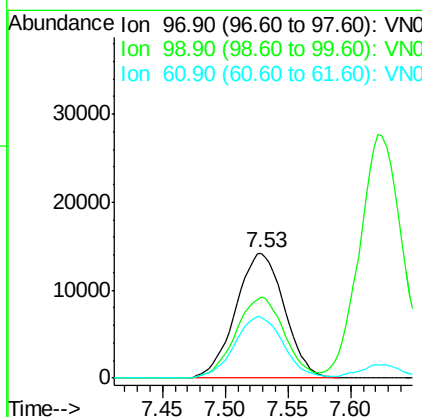
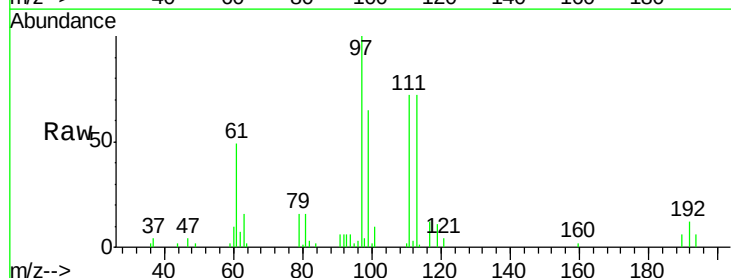
Manual Integrations
APPROVED

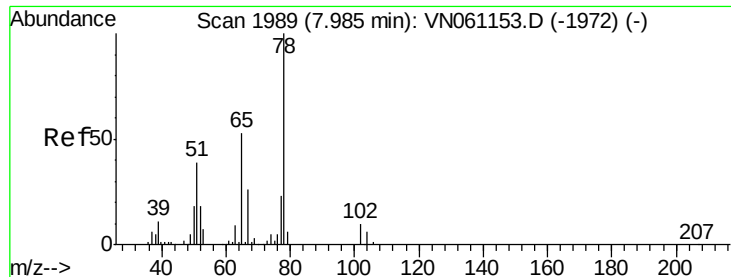
MMDadoda
5/7/2020 10:36:39 AM



#32
1,1,1-Trichloroethane
Concen: 17.719 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.3	76.9
61	49.5	38.6	57.8





#33

1,2-Dichloroethane-d4

Concen: 51.441 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 65 Resp: 83919

Ion Ratio Lower Upper

65 100

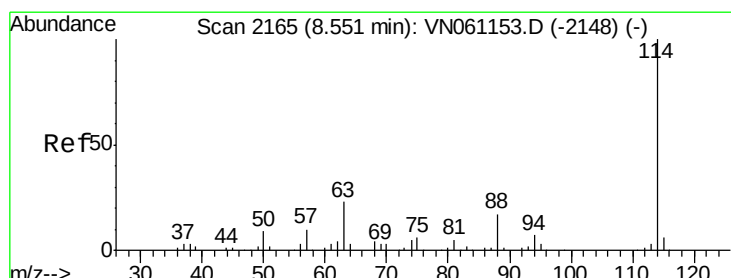
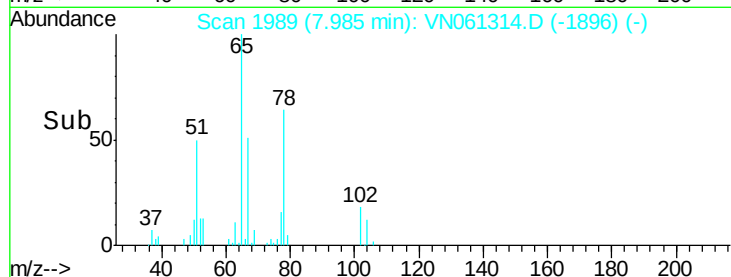
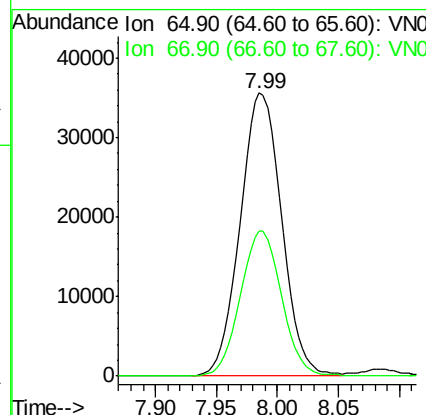
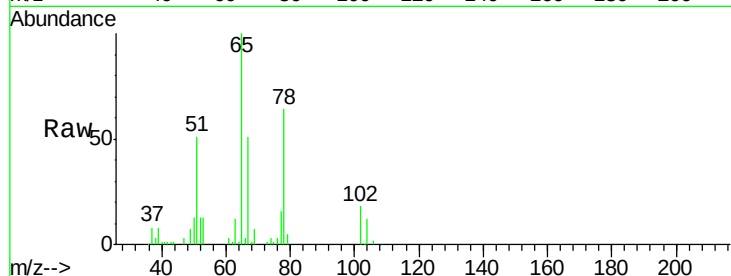
67 50.6 0.0 101.6

Manual Integrations

APPROVED

MMDadoda

5/7/2020 10:36:39 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

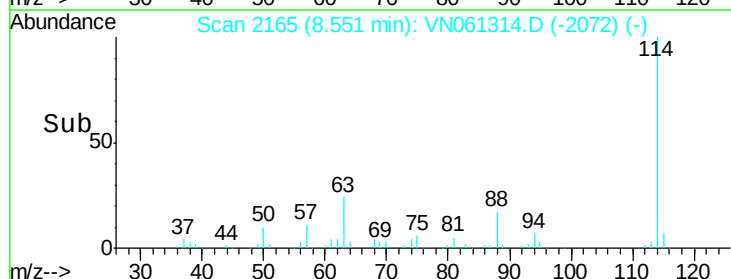
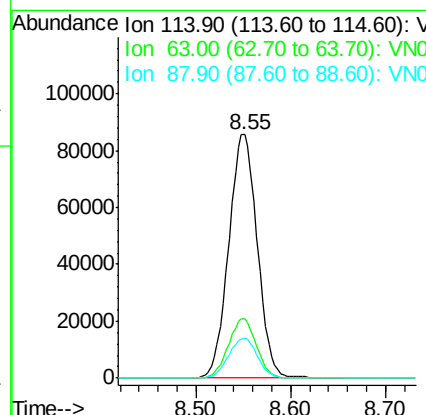
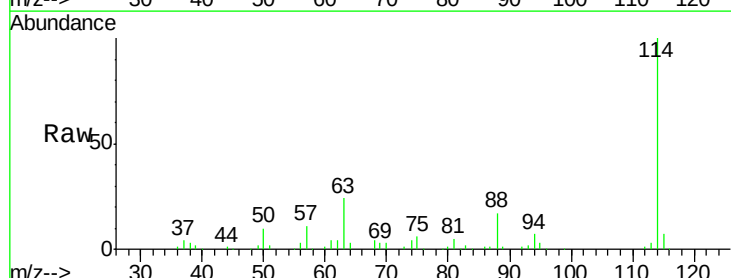
Tgt Ion: 114 Resp: 179238

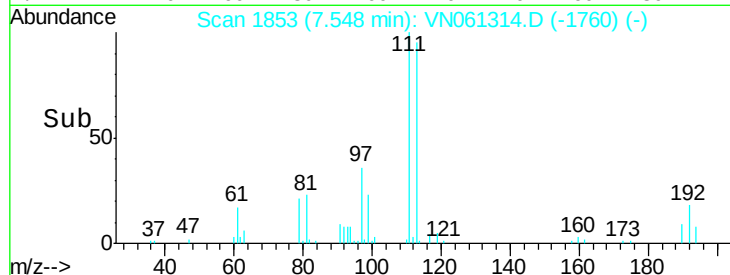
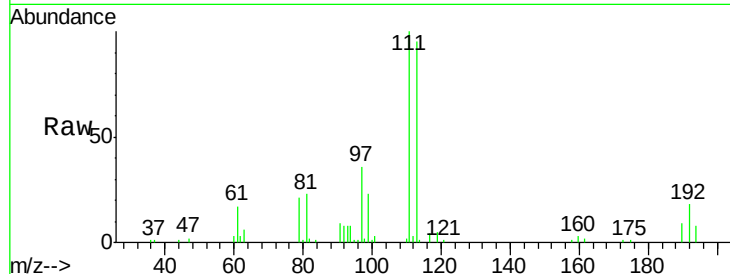
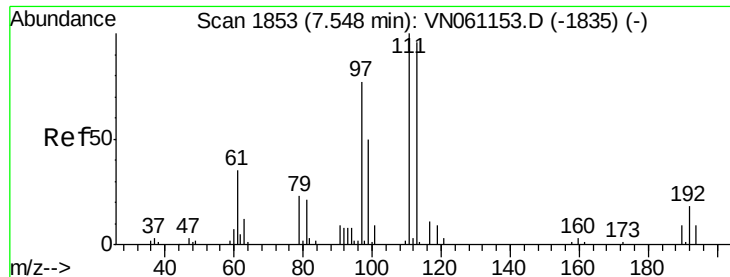
Ion Ratio Lower Upper

114 100

63 24.3 0.0 46.6

88 16.6 0.0 33.4





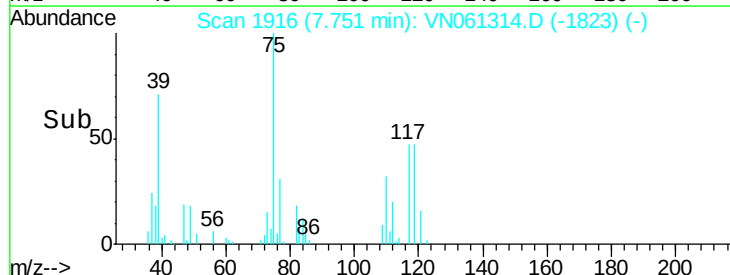
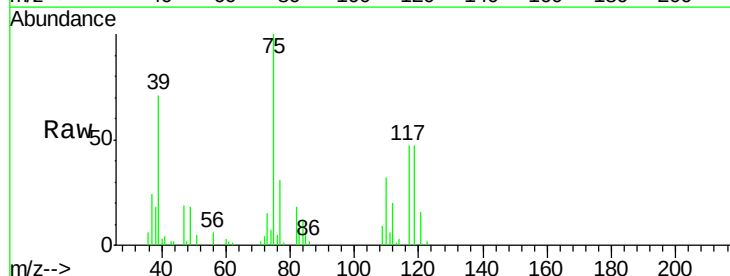
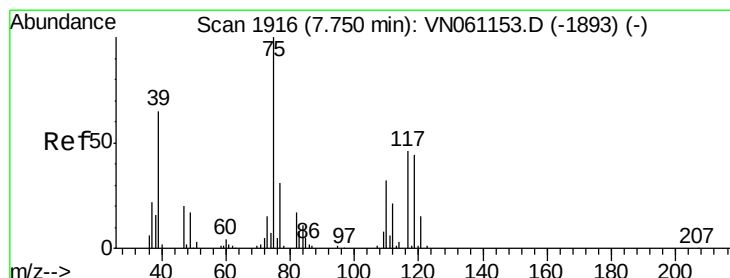
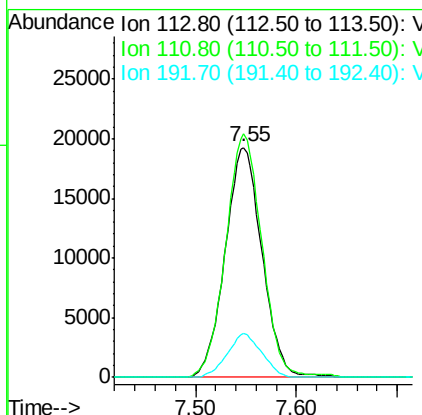
#35
Dibromofluoromethane
Concen: 46.037 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.1	82.9	124.3	
192	17.8	14.7	22.1	

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

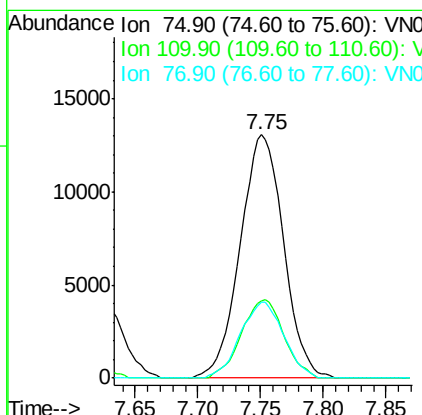
Manual Integrations
APPROVED

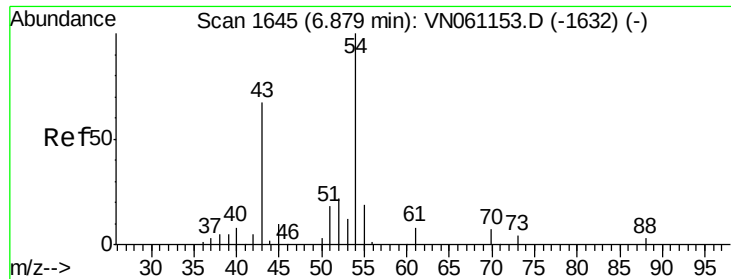
MMDadoda
5/7/2020 10:36:39 AM



#36
1,1-Dichloropropene
Concen: 17.536 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.5	16.0	48.0	
77	31.2	24.6	37.0	





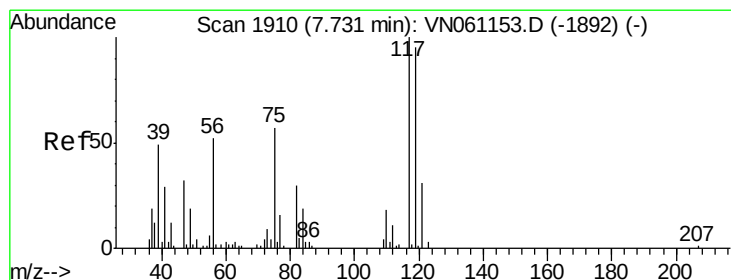
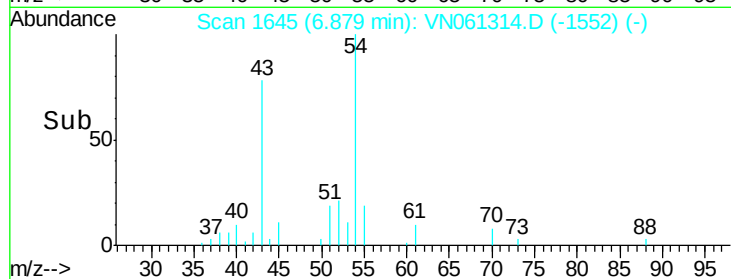
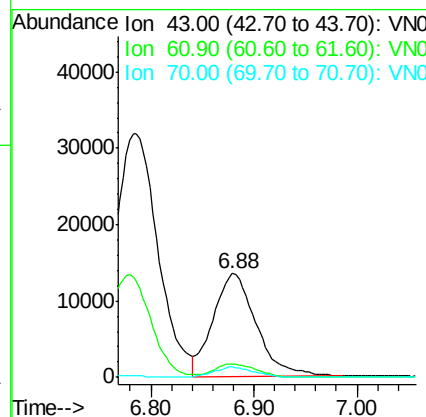
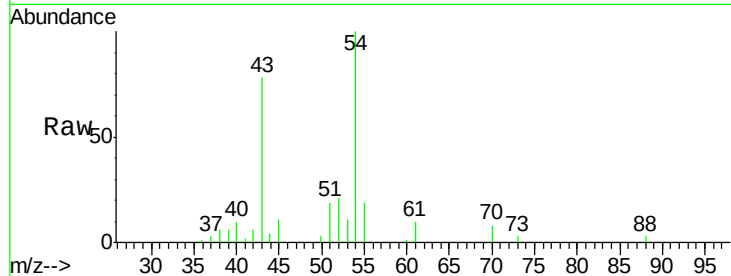
#37
Ethyl Acetate
Concen: 18.416 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.5	10.2	15.2	
70	9.1	7.2	10.8	

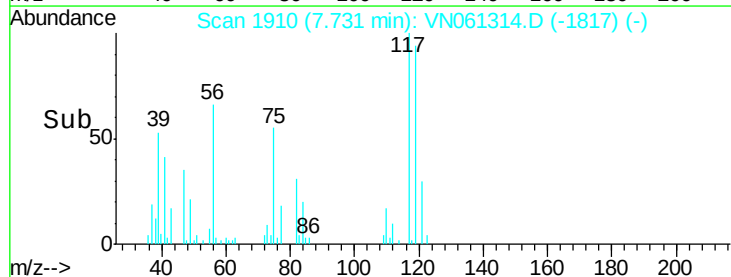
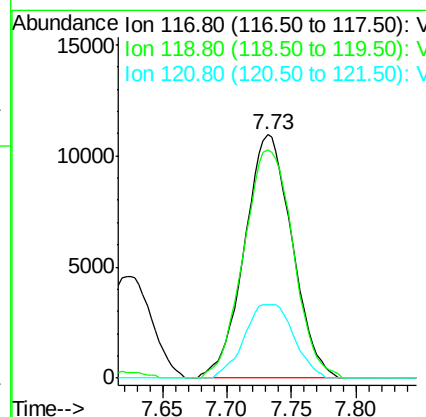
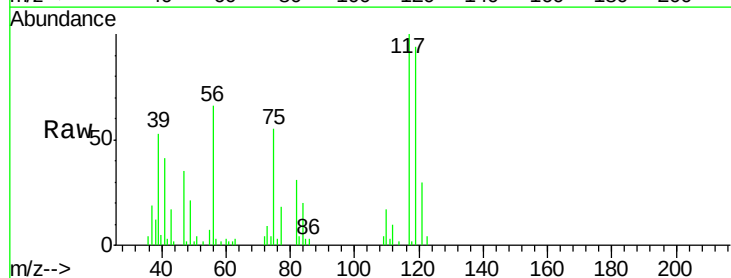
Manual Integrations
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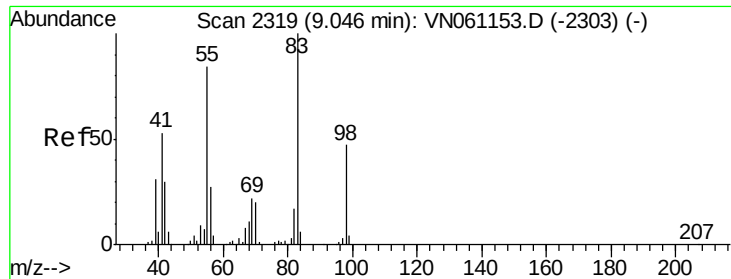
MMDadoda
5/7/2020 10:36:39 AM



#38
Carbon Tetrachloride
Concen: 18.695 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.7	75.8	113.6	
121	30.3	24.7	37.1	





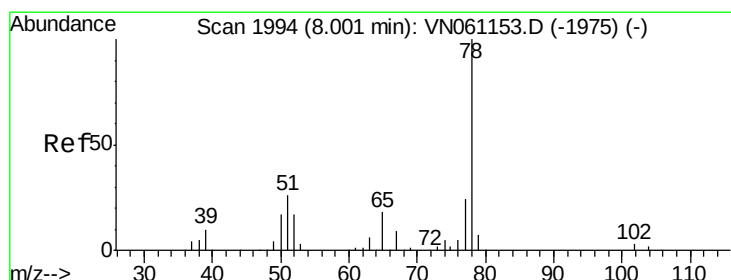
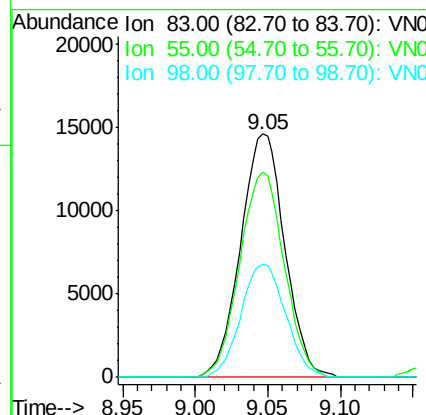
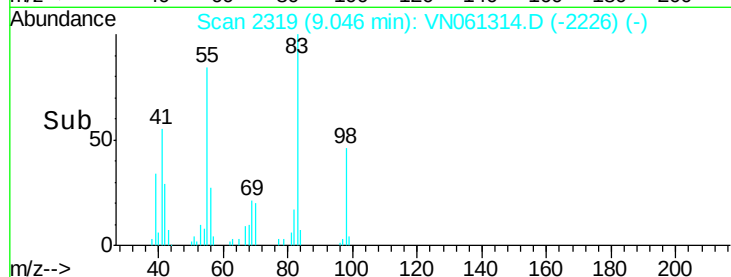
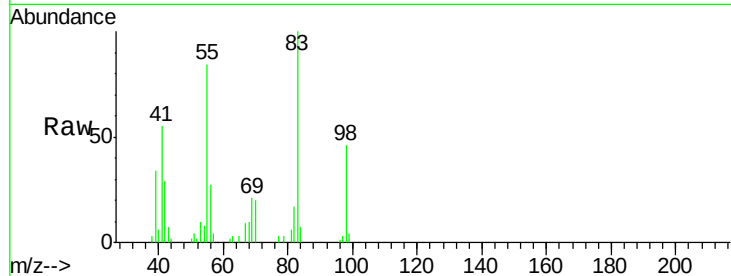
#39
Methylvlcyclohexane
Concen: 15.381 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	67.3	100.9
98	46.5	37.7	56.5

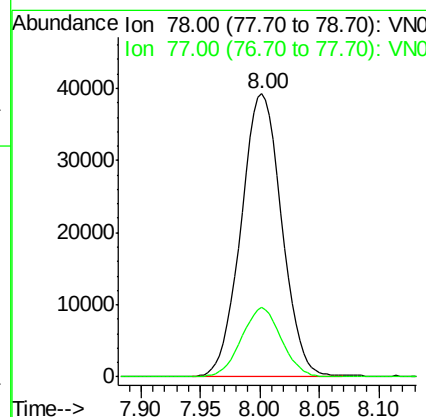
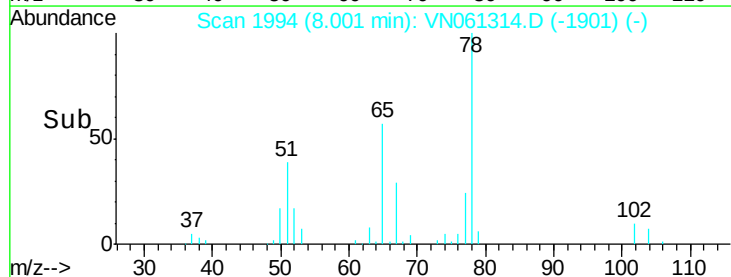
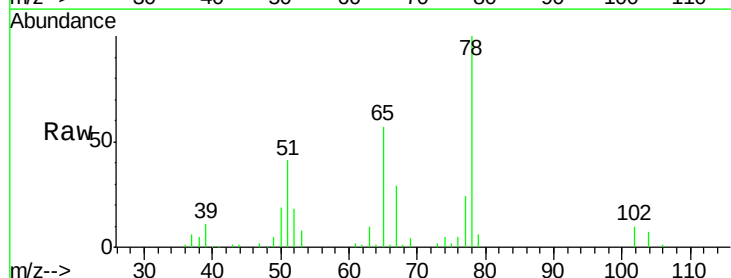
Manual Integrations
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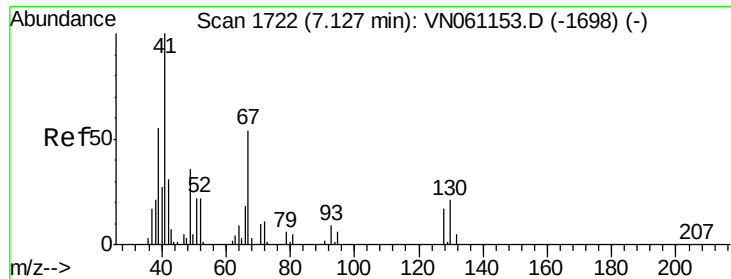
MMDadoda
5/7/2020 10:36:39 AM



#40
Benzene
Concen: 17.411 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





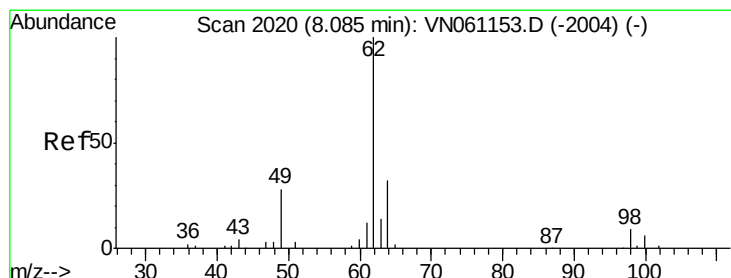
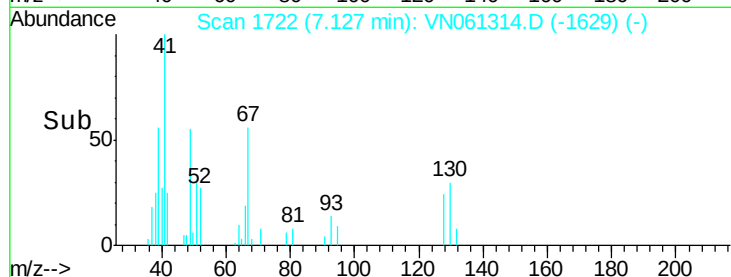
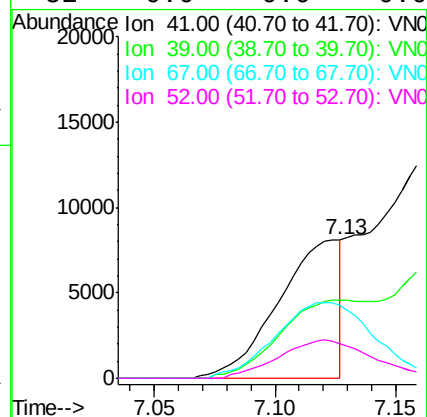
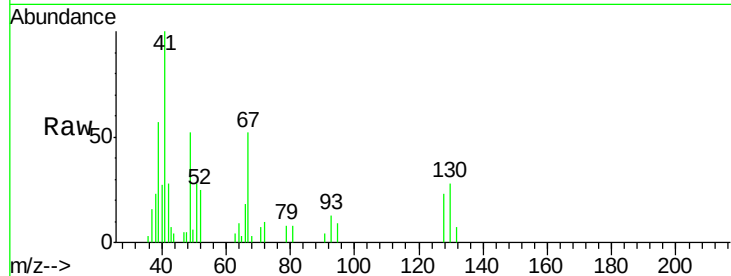
#41
Methacrylonitrile
Concen: 16.664 ug/l m
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	102.3	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

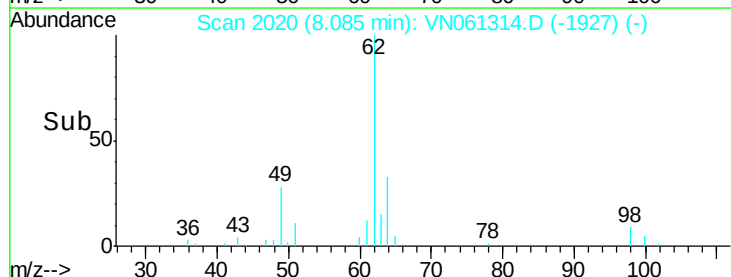
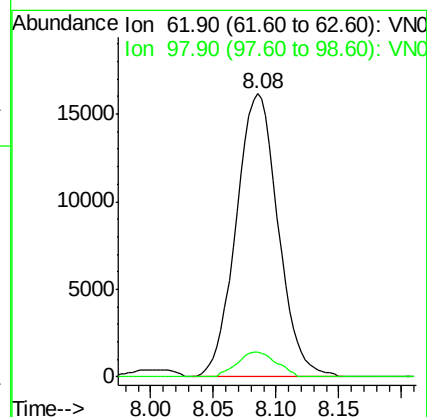
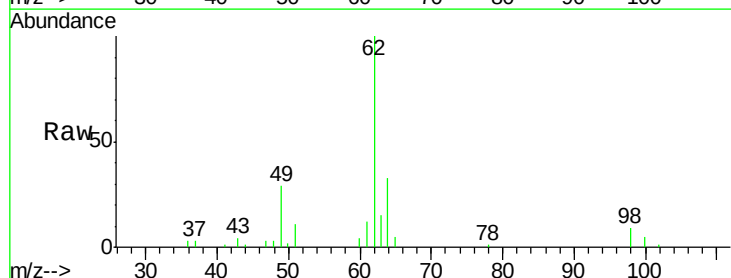
Manual Integrations
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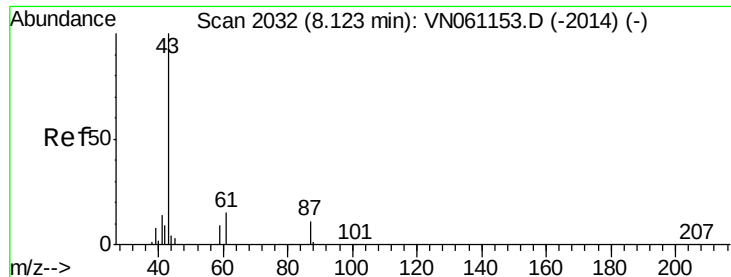
MMDadoda
5/7/2020 10:36:39 AM



#42
1,2-Dichloroethane
Concen: 18.596 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	8.2	0.0	16.8	





#43

Isopropyl Acetate

Concen: 18.485 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

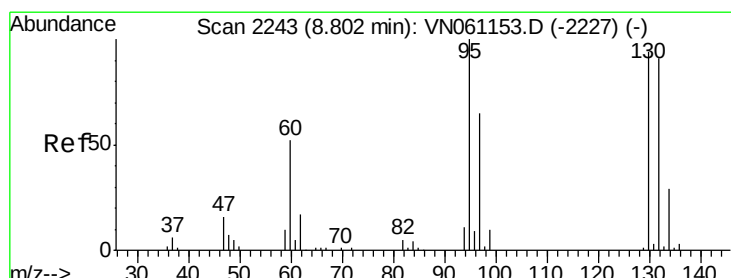
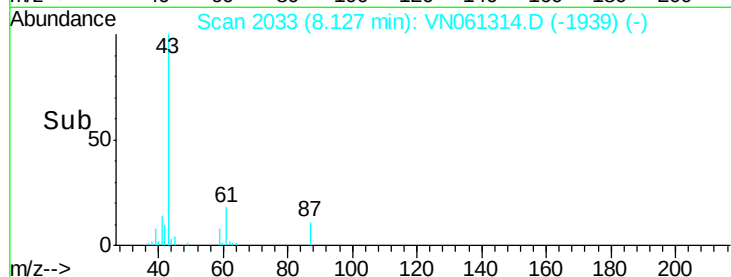
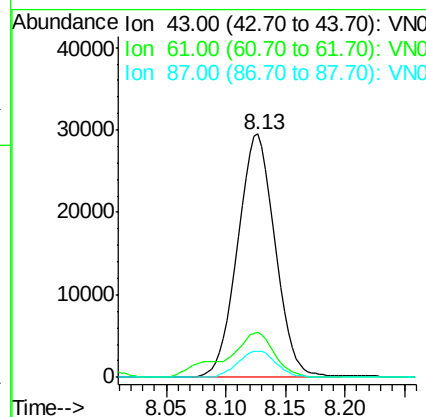
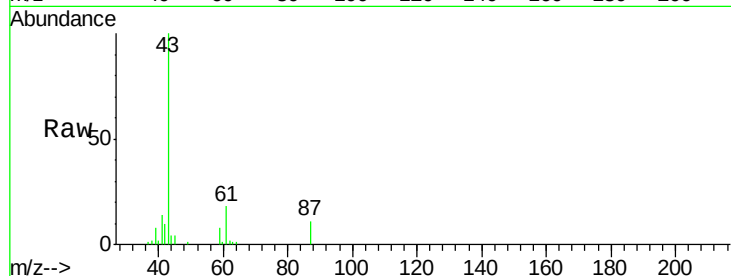
ClientSampleId :

VN0506WBSD01

Tot Ion:	43	Resp:	64529
Ion	Ratio	Lower	Upper
43	100		
61	23.9	19.5	29.3
87	10.9	8.9	13.3

Manual Integrations
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MMDadoda
5/7/2020 10:36:39 AM



#44

Trichloroethene

Concen: 15.909 ug/l

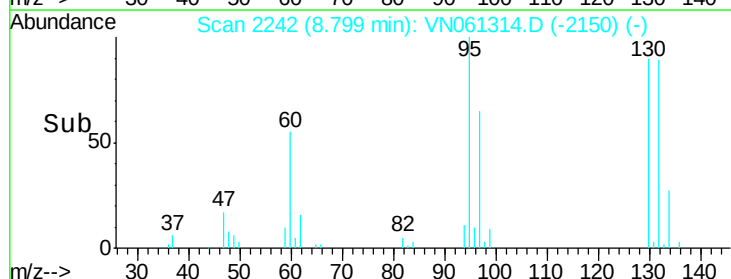
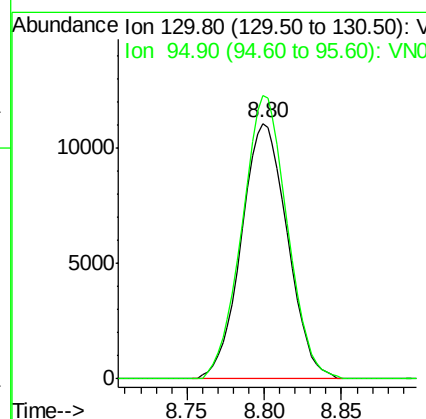
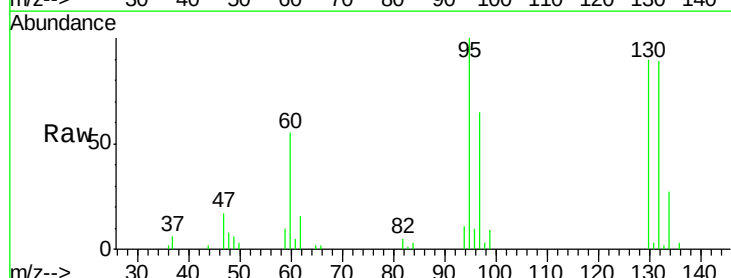
RT: 8.80 min Scan# 2242

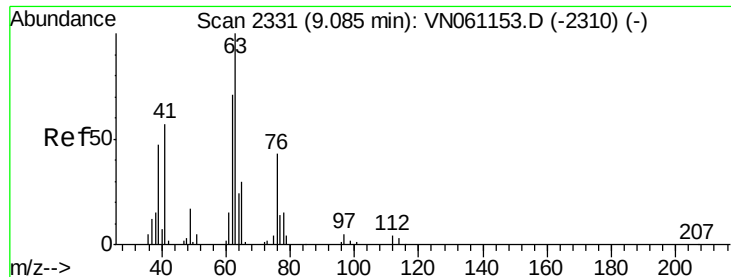
Delta R.T. -0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	130	Resp:	22989
Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	212.4





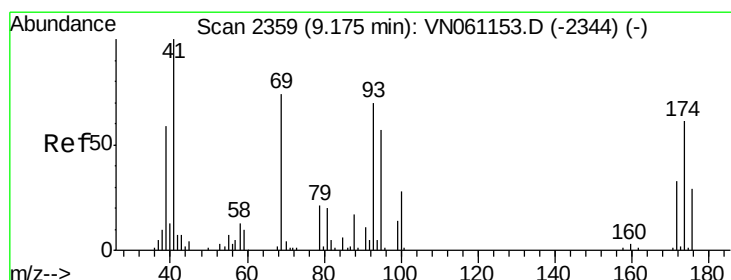
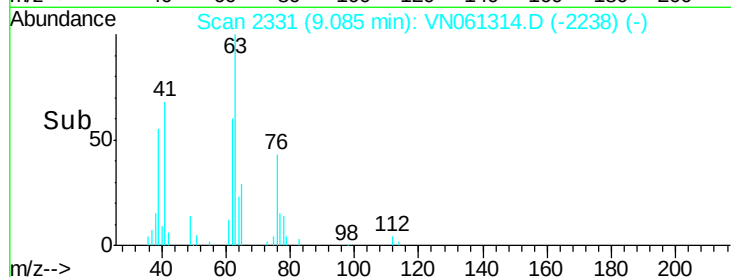
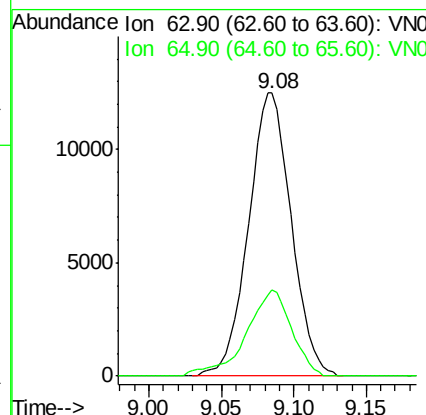
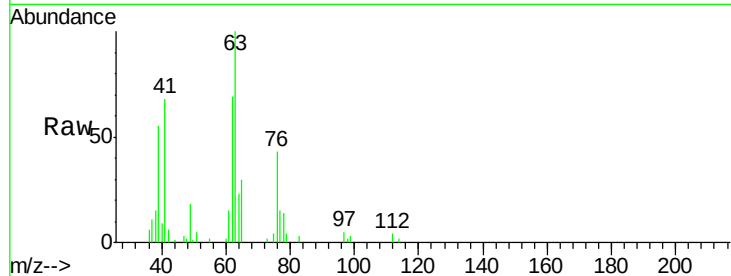
#45
 1,2-Dichloropropane
 Concen: 17.936 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion: 63 Resp: 25614
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1

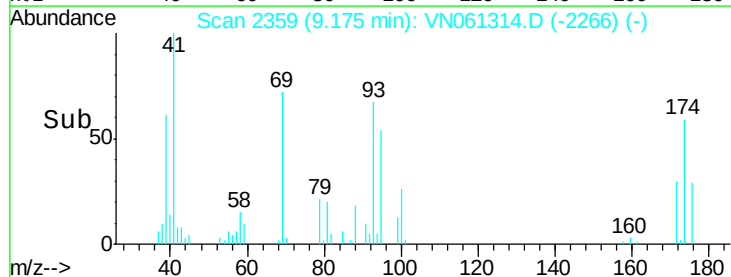
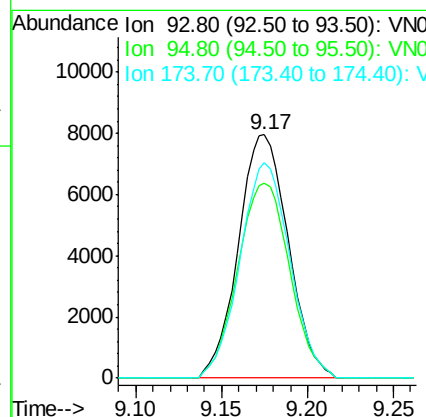
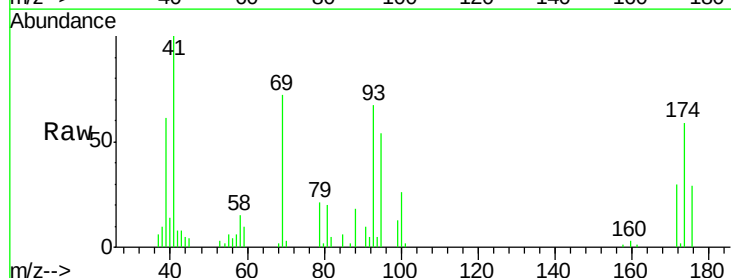
Manual Integrations
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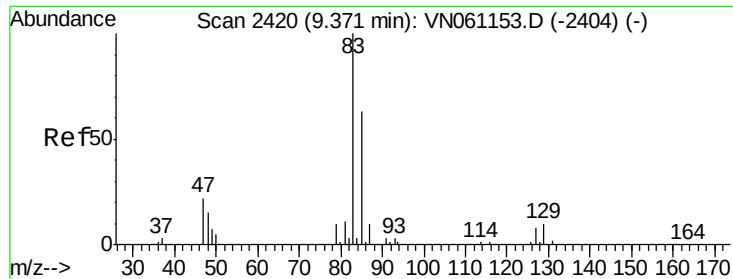
MMDadoda
 5/7/2020 10:36:39 AM



#46
 Dibromomethane
 Concen: 18.144 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion: 93 Resp: 16044
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 99.8
 174 88.4 70.2 105.2





#47

Bromodichloromethane

Concen: 18.118 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

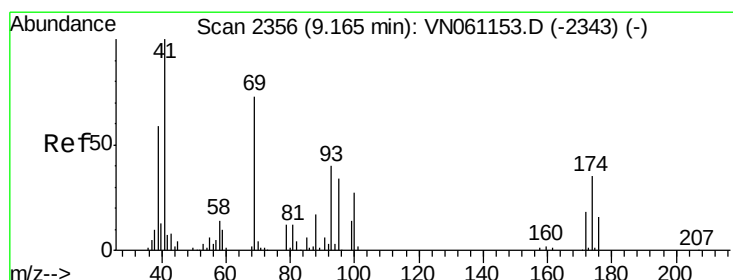
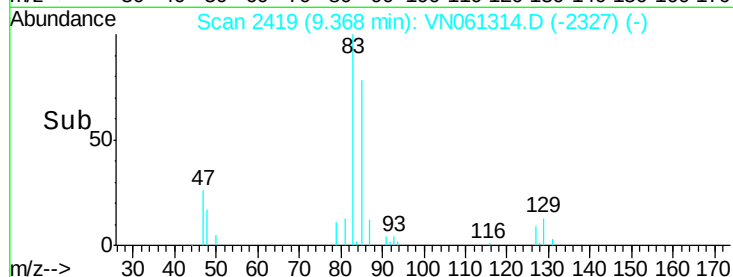
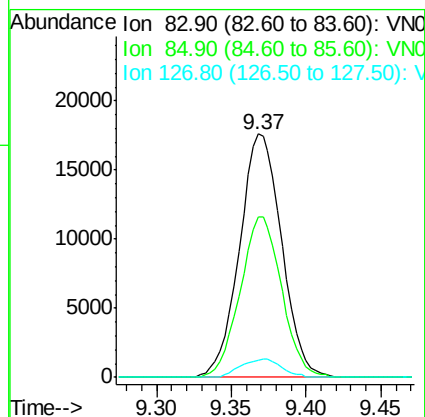
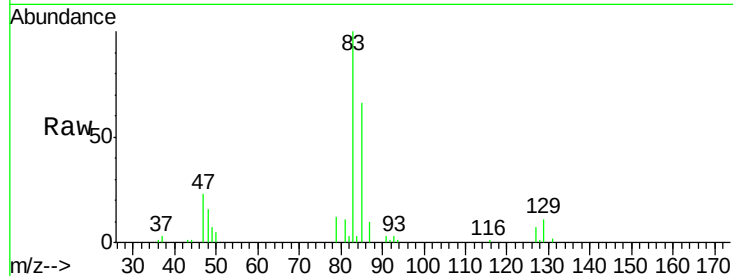
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	34387
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.4	75.6
127	7.1	6.2	9.2

Manual Integrations
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MMDadoda
5/7/2020 10:36:39 AM



#48

Methyl methacrylate

Concen: 18.468 ug/l

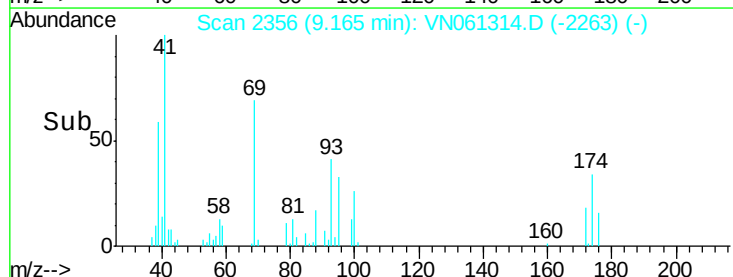
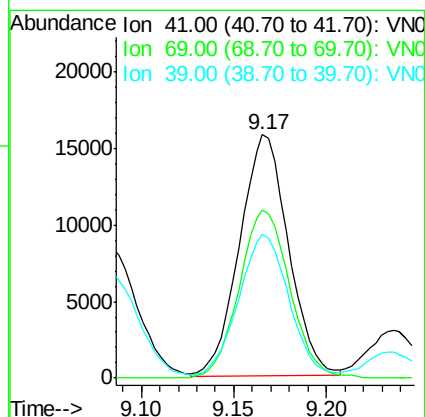
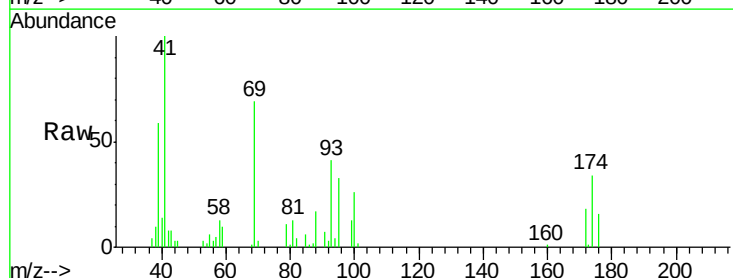
RT: 9.17 min Scan# 2356

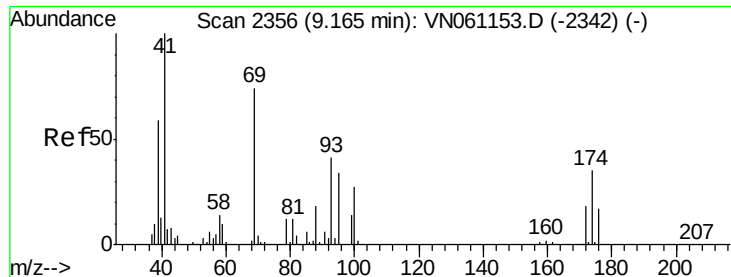
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	41	Resp:	29092
Ion Ratio	Lower	Upper	
41	100		
69	71.8	60.3	90.5
39	61.9	47.4	71.0





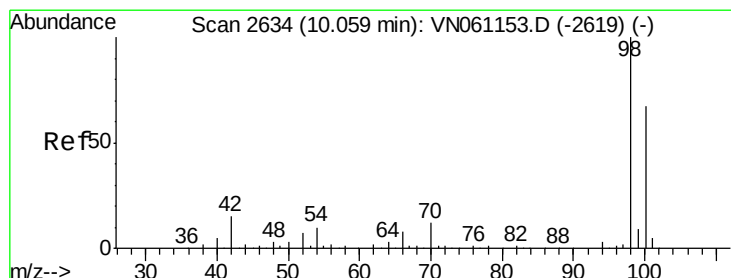
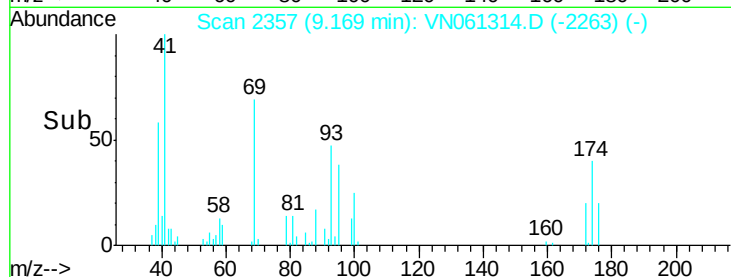
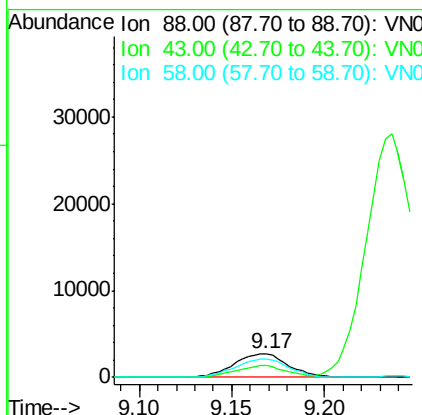
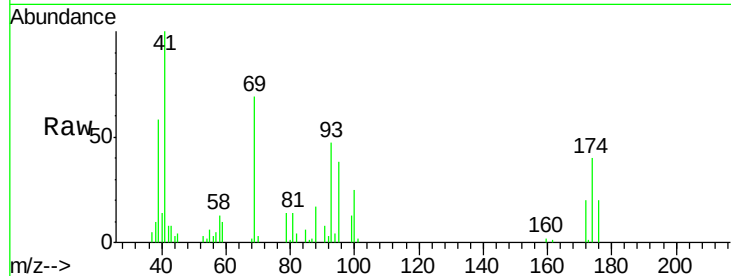
#49
1,4-Dioxane
Concen: 307.021 ug/l
RT: 9.17 min Scan# 2357
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	5490		
43	45.2		35.3	52.9
58	77.7		61.5	92.3

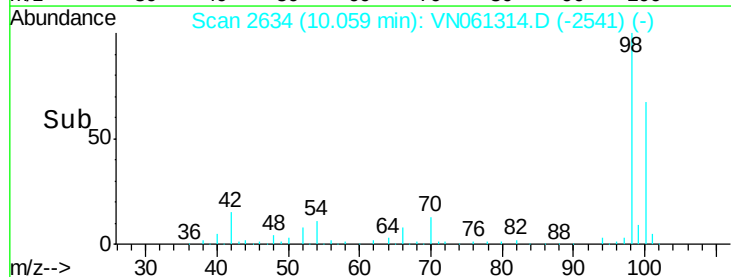
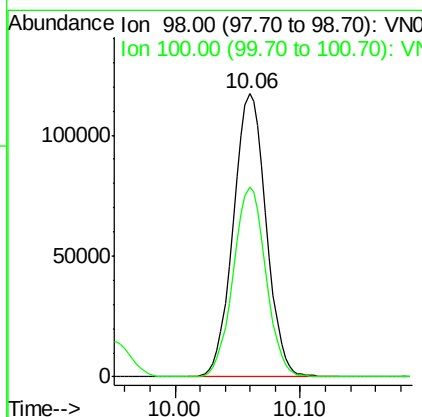
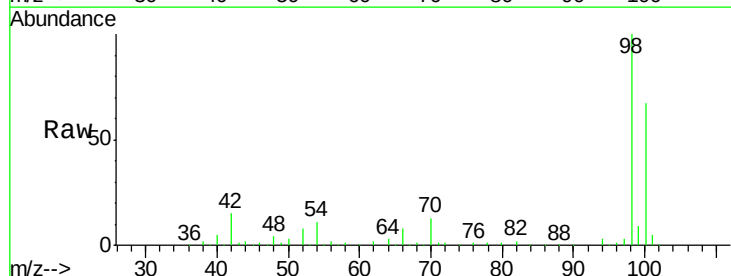
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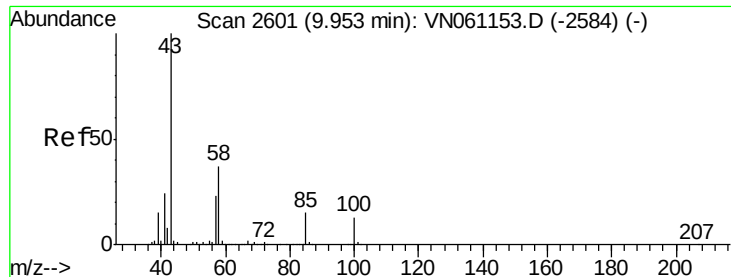
MMDadoda
5/7/2020 10:36:39 AM



#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	213216		
100	66.7		53.4	80.0





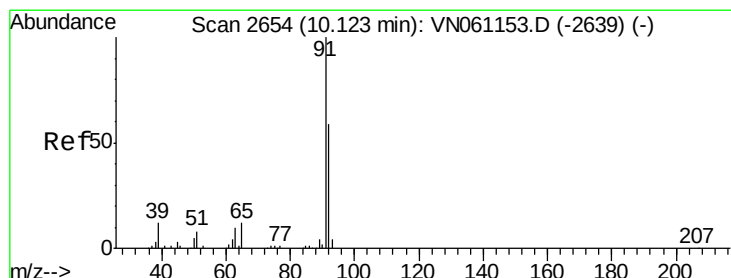
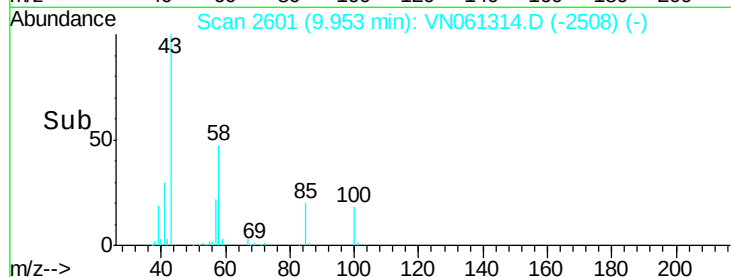
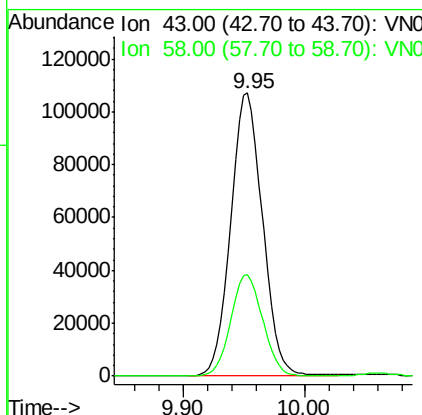
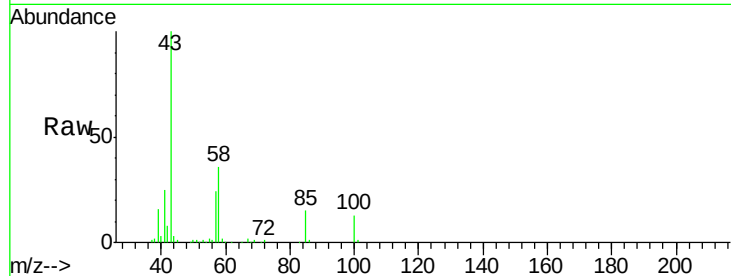
#51
4-Methyl-2-Pentanone
Concen: 94.648 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.1	43.7

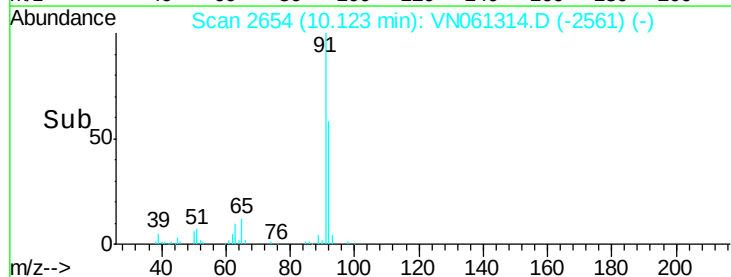
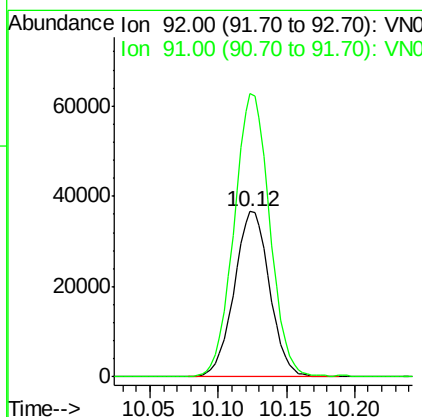
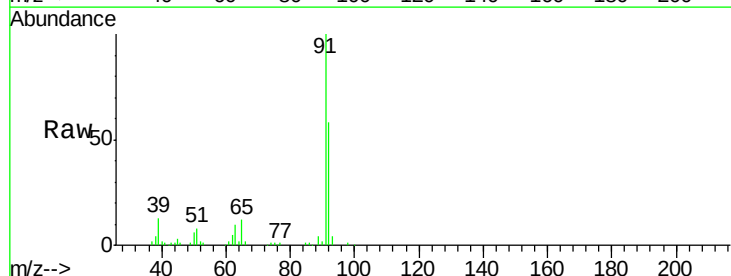
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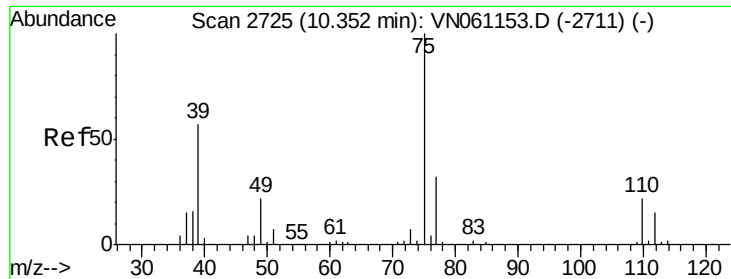
MMDadoda
5/7/2020 10:36:39 AM



#52
Toluene
Concen: 20.462 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	136.2	204.2





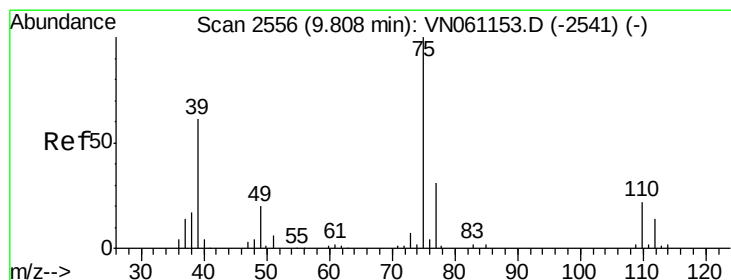
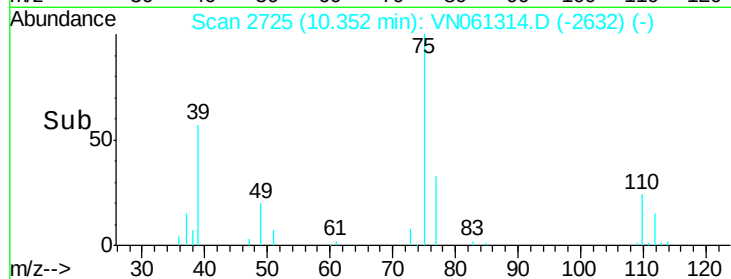
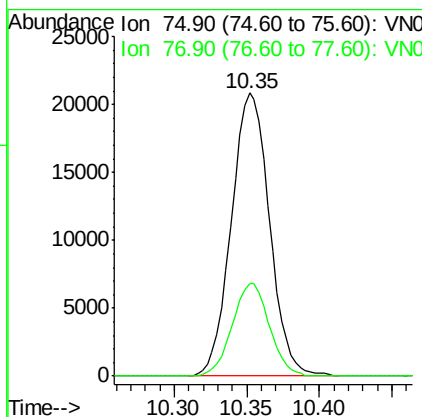
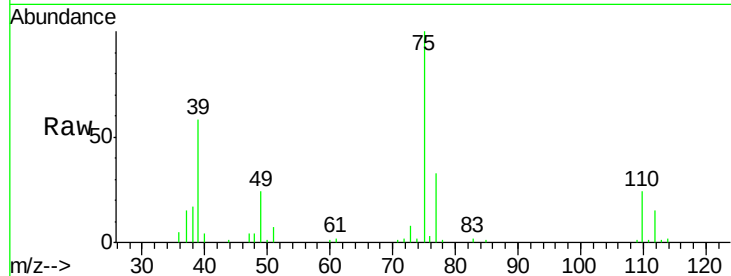
#53
t-1,3-Dichloropropene
Concen: 17.835 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	75	Resp	38141
Ion Ratio	100	Lower	Upper
77	32.5	25.5	38.3

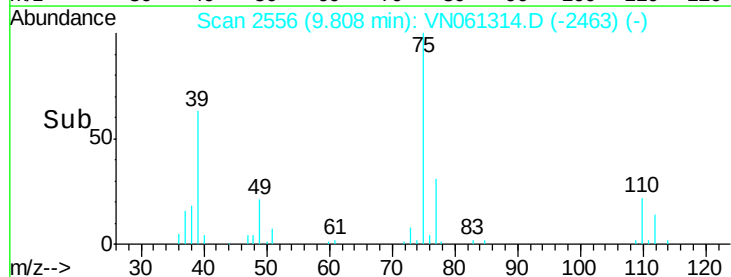
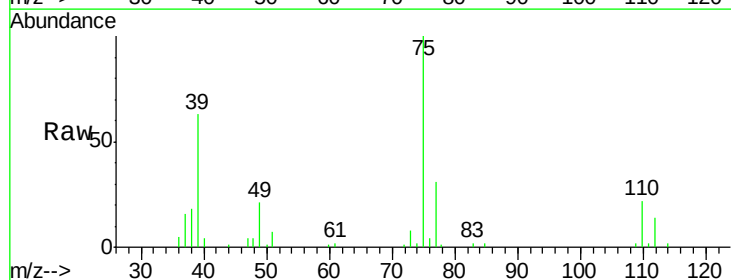
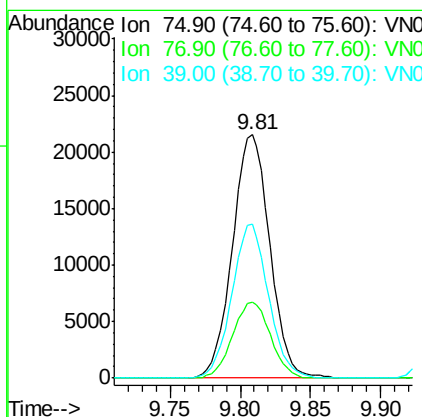
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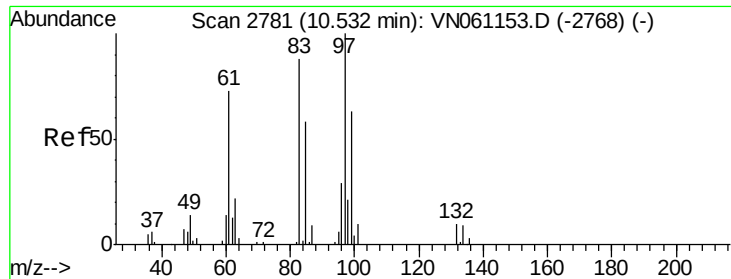
MMDadoda
5/7/2020 10:36:39 AM



#54
cis-1,3-Dichloropropene
Concen: 17.697 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	75	Resp	40012
Ion Ratio	100	Lower	Upper
77	31.2	25.0	37.4
39	63.0	48.7	73.1





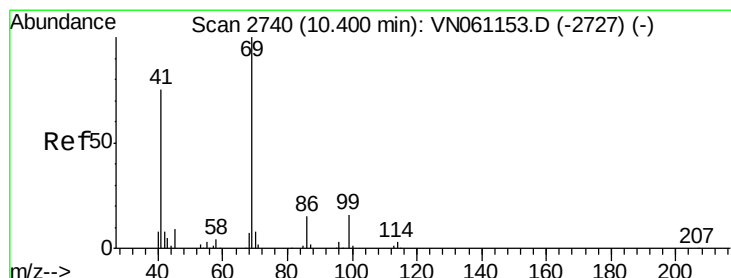
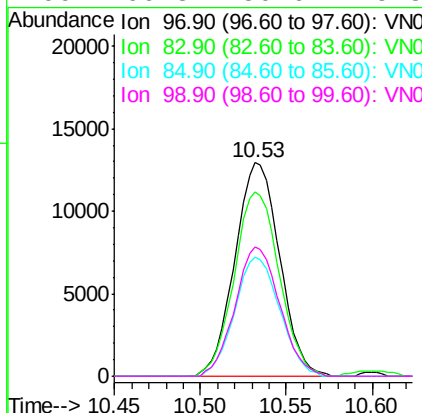
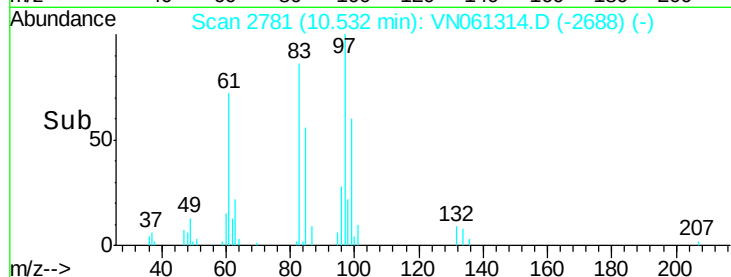
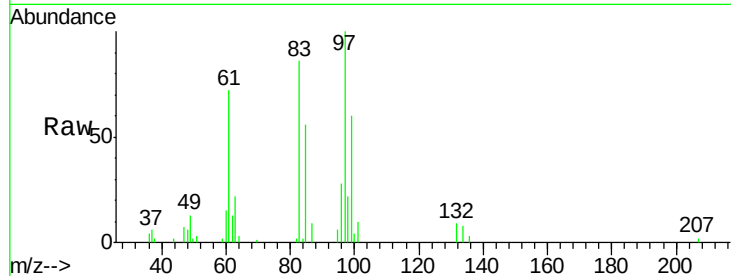
#55
 1,1,2-Trichloroethane
 Concen: 18.213 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion:	97	Resp:	23391
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.6	106.0
85	56.0	46.4	69.6
99	60.3	50.6	75.8

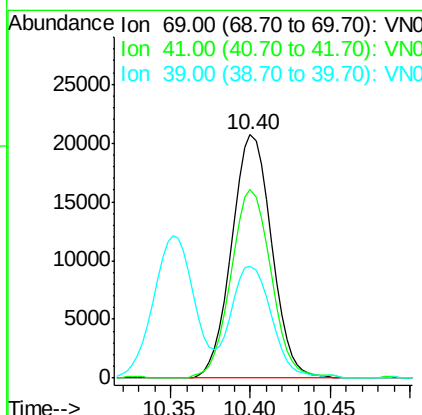
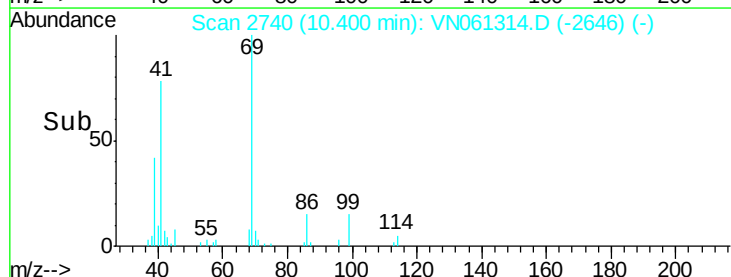
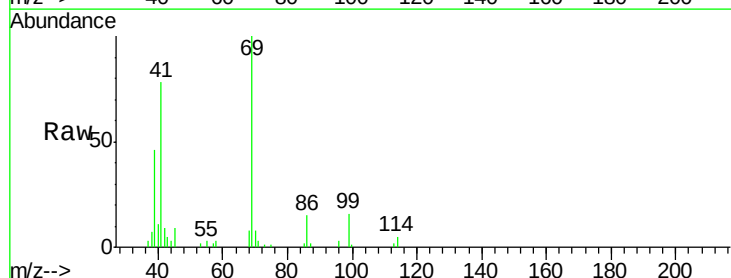
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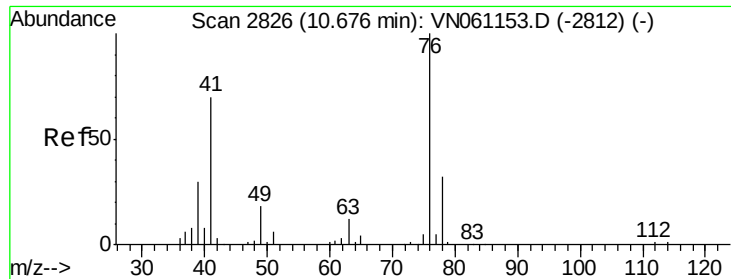
MMDadoda
 5/7/2020 10:36:39 AM



#56
 Ethyl methacrylate
 Concen: 17.630 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion:	69	Resp:	35276
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.3	90.5
39	45.2	35.9	53.9





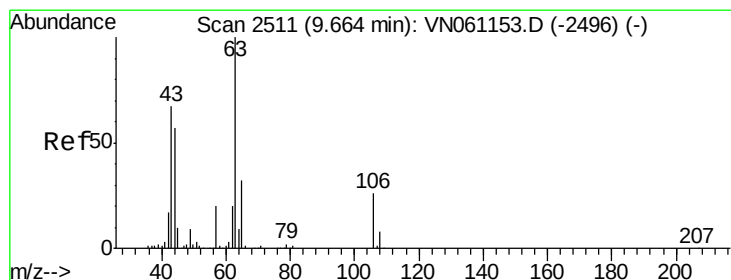
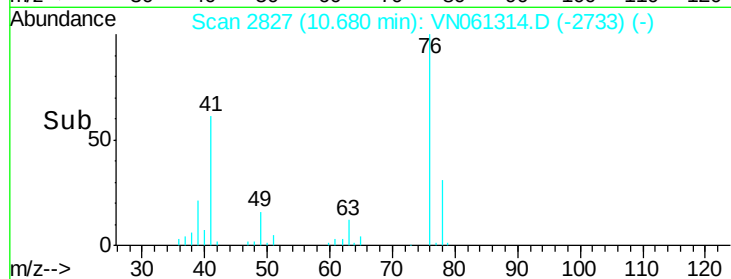
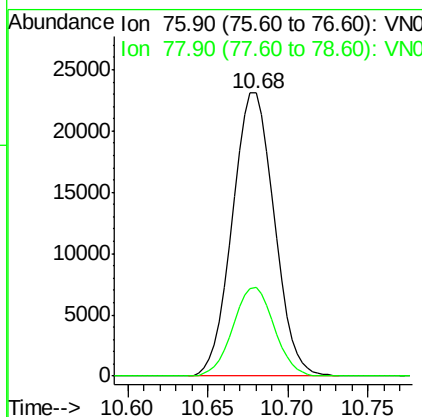
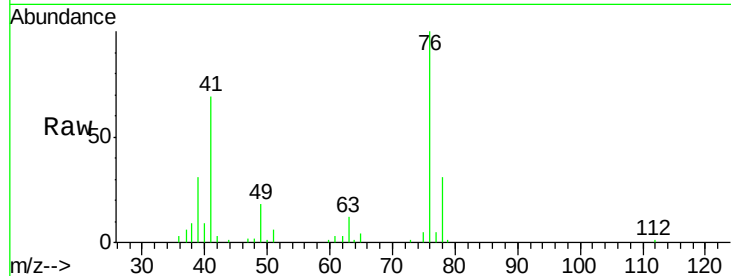
#57
 1,3-Dichloropropane
 Concen: 18.258 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion: 76 Resp: 41216
 Ion Ratio Lower Upper
 76 100
 78 30.8 25.5 38.3

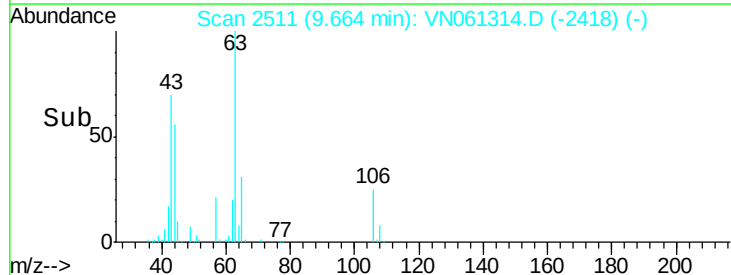
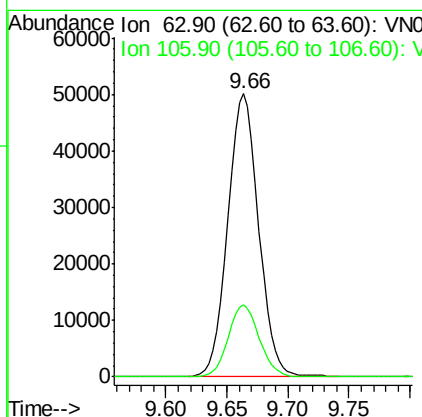
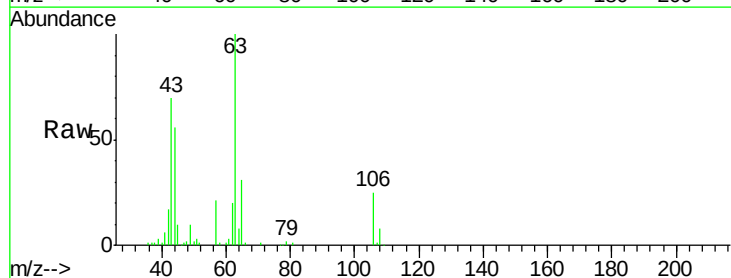
Manual Integrations
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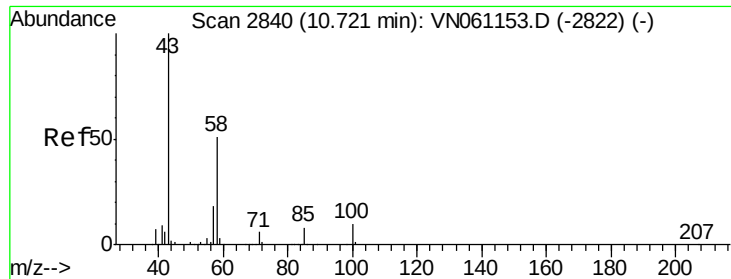
MMDadoda
 5/7/2020 10:36:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.126 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion: 63 Resp: 88493
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.6 30.8





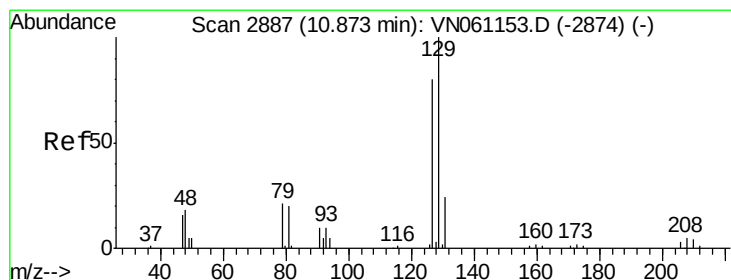
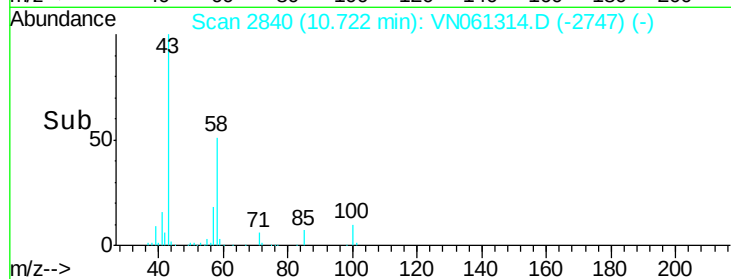
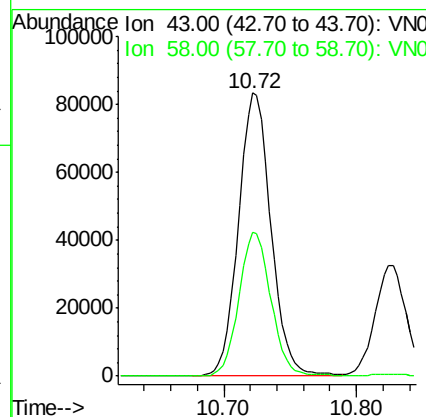
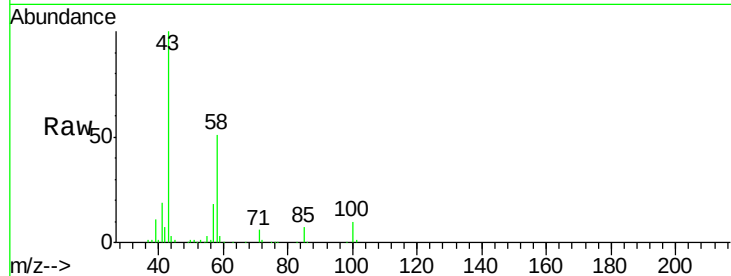
#59
2-Hexanone
Concen: 95.009 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	25.4	76.4

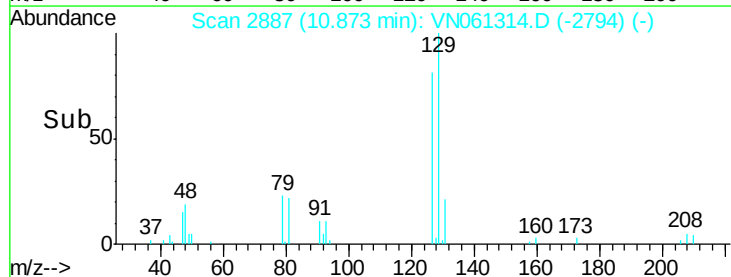
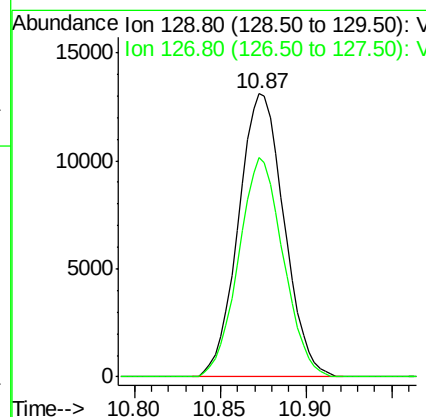
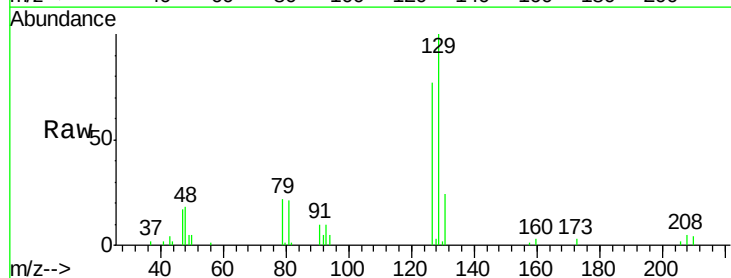
Manual Integrations
APPROVED

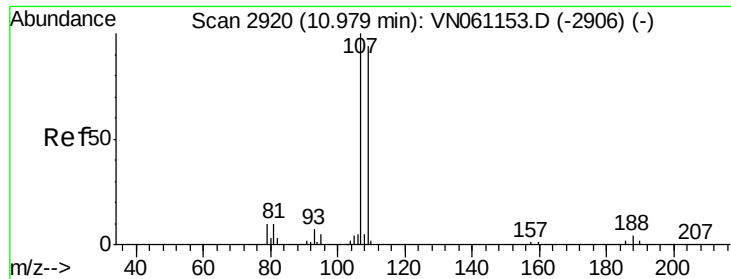
MMDadoda
5/7/2020 10:36:39 AM



#60
Dibromochloromethane
Concen: 18.006 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.6	39.3	117.8





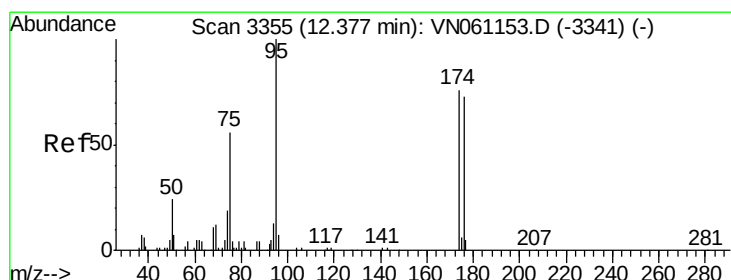
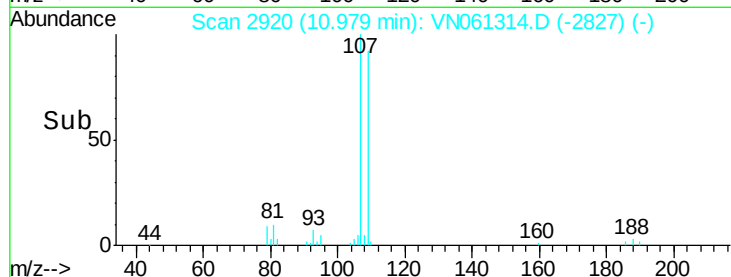
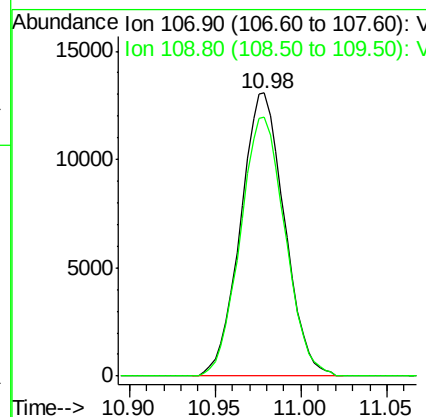
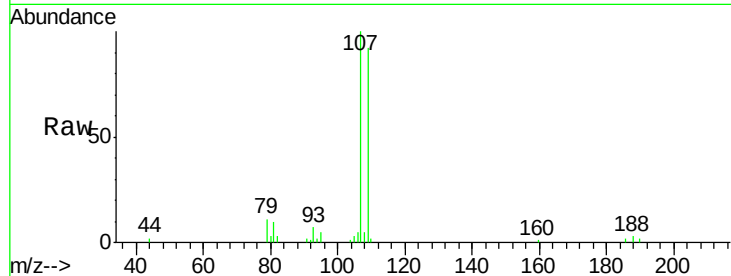
#61
 1,2-Dibromoethane
 Concen: 17.984 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.8	112.2

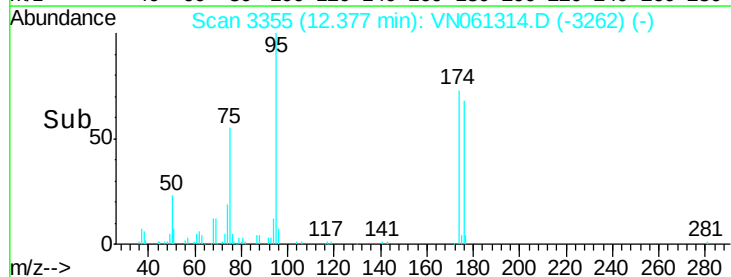
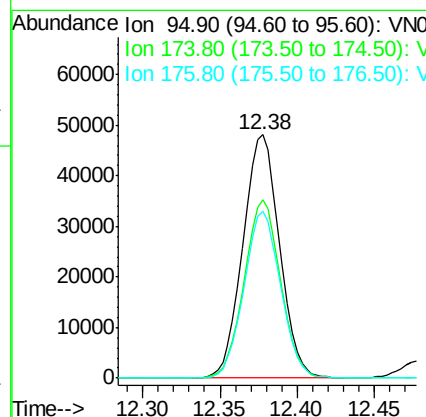
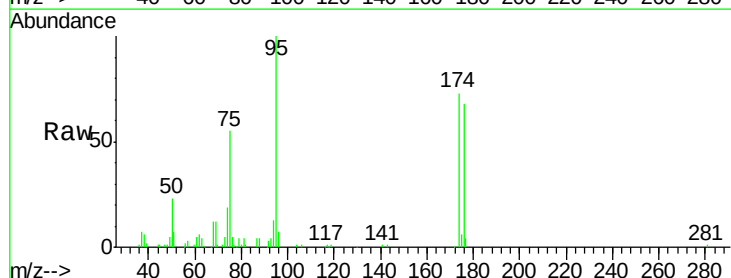
Manual Integrations
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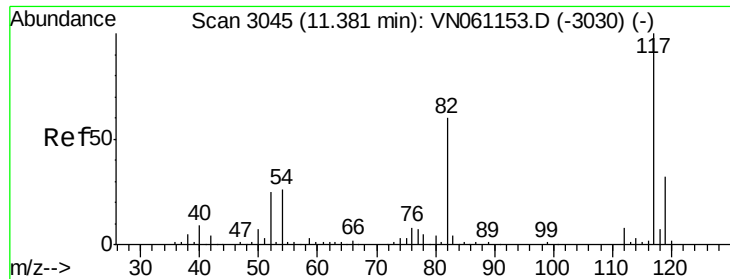
MMDadoda
 5/7/2020 10:36:39 AM



#62
 4-Bromofluorobenzene
 Concen: 48.759 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	149.4
176	68.4	0.0	144.8





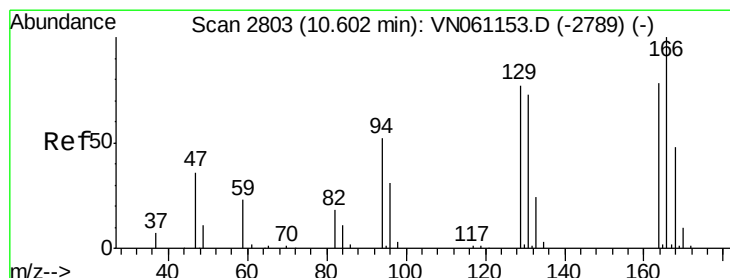
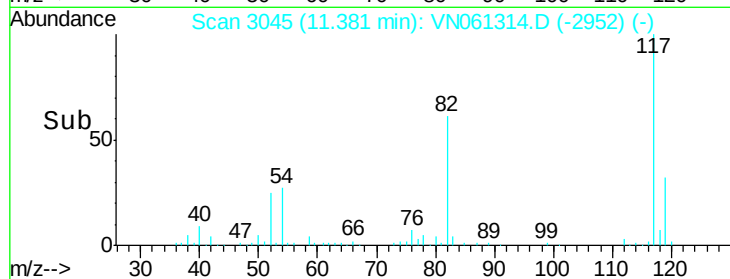
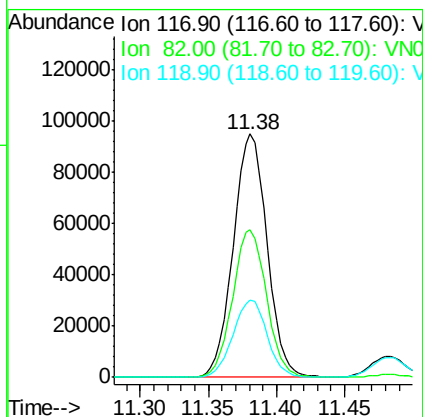
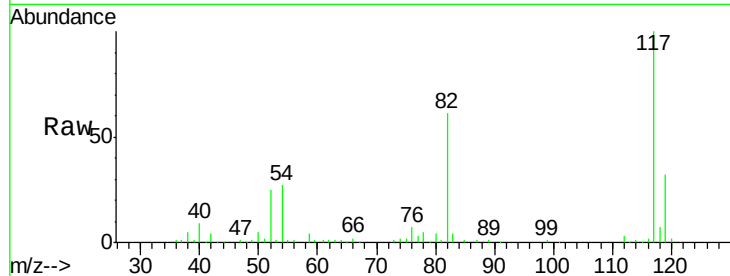
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.8	71.8
119	31.6	25.8	38.6

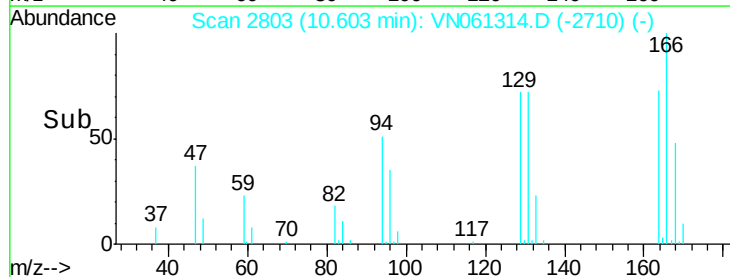
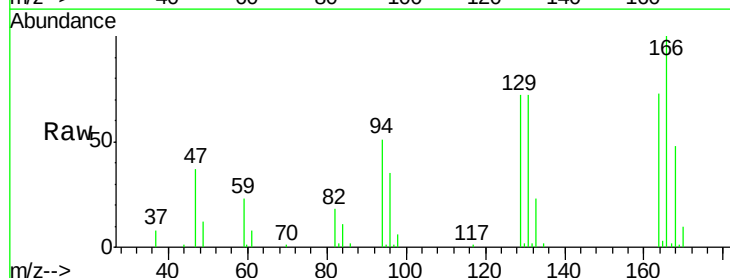
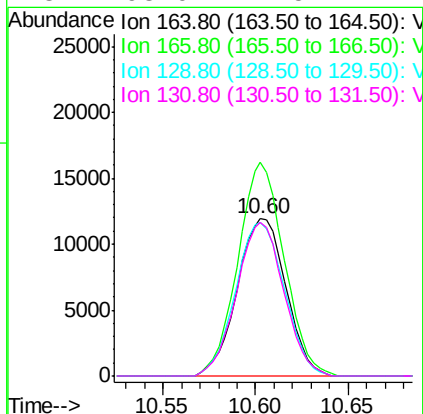
Manual Integrations
APPROVED

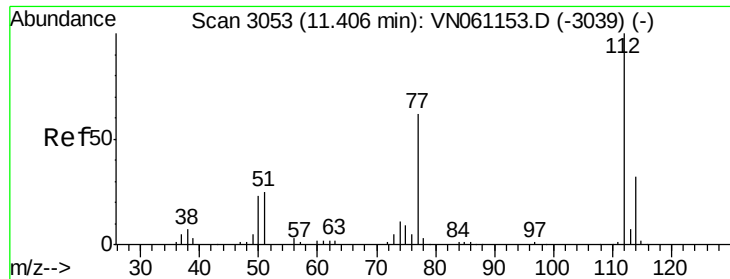
MMDadoda
5/7/2020 10:36:39 AM



#64
Tetrachloroethene
Concen: 15.375 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.1	102.0	153.0
129	98.2	78.2	117.2
131	98.0	74.5	111.7





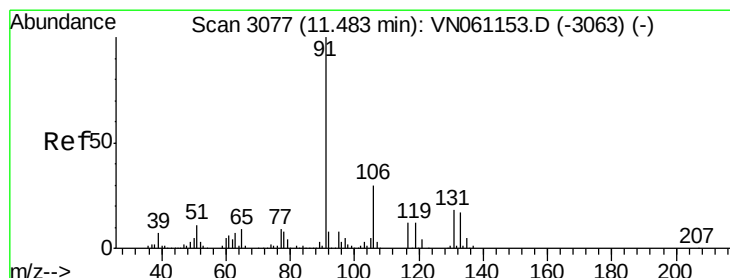
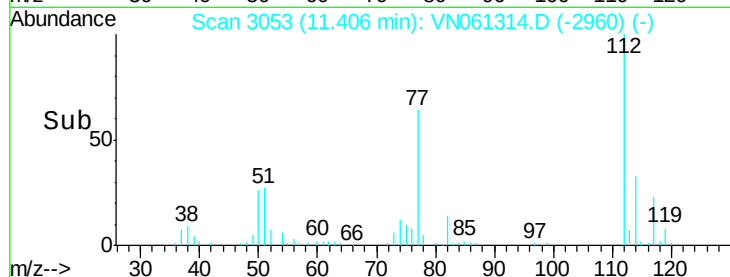
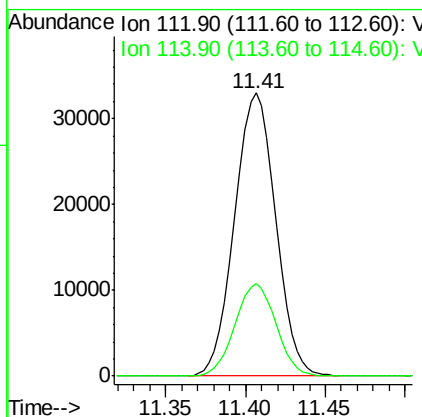
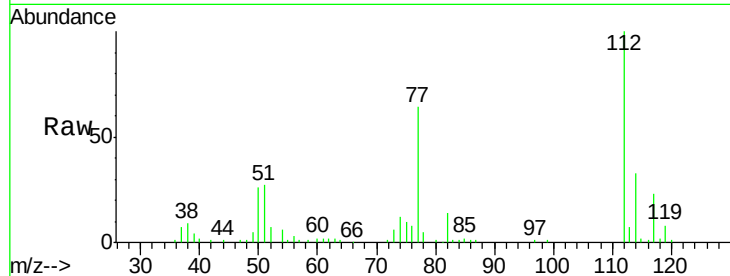
#65
Chlorobenzene
Concen: 17.808 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion:112 Resp: 57822
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2

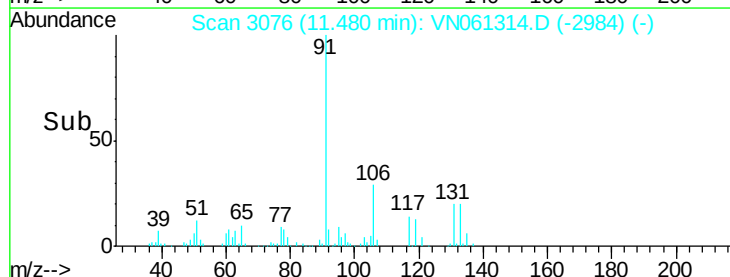
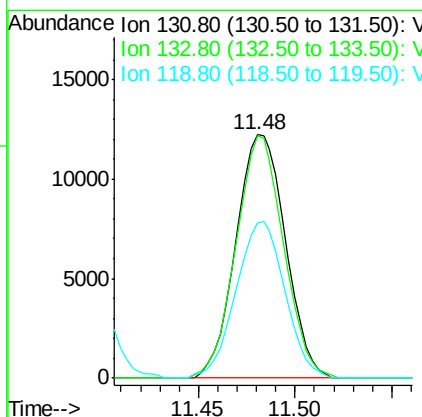
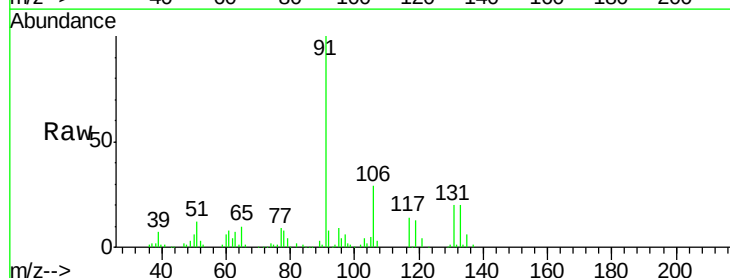
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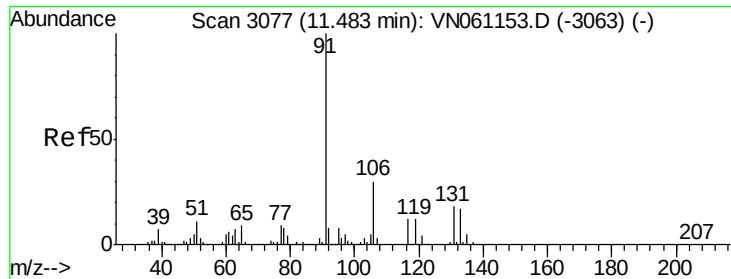
MMDadoda
5/7/2020 10:36:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.737 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion:131 Resp: 21775
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.2
119 63.7 32.6 97.8





#67

Ethyl Benzene

Concen: 17.819 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 91 Resp: 108310

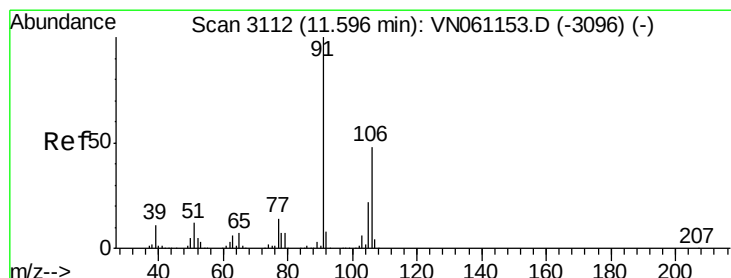
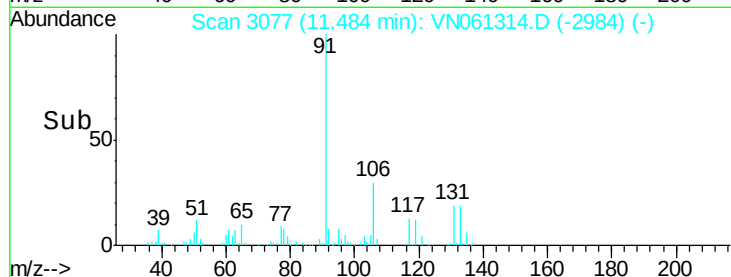
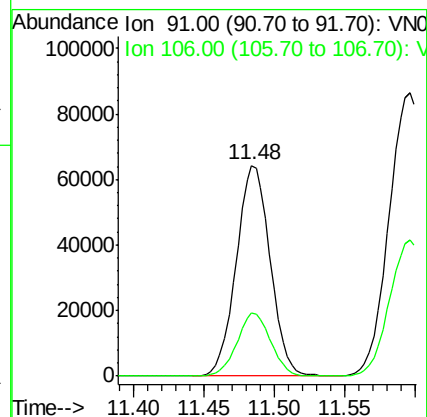
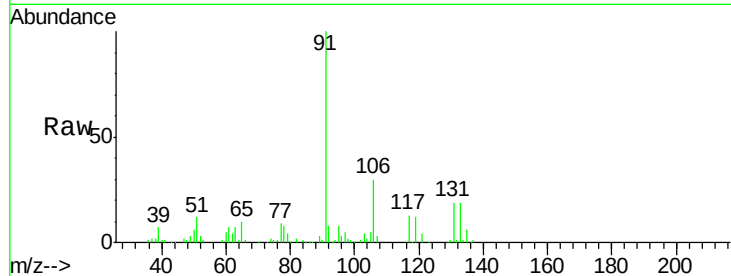
Ion Ratio Lower Upper

91 100

106 29.8 23.8 35.6

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:39 AM



#68

m/p-Xylenes

Concen: 35.591 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061314.D

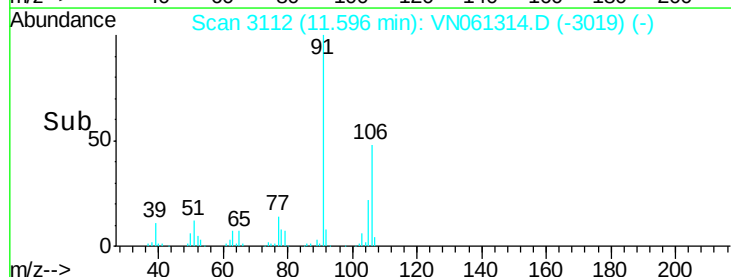
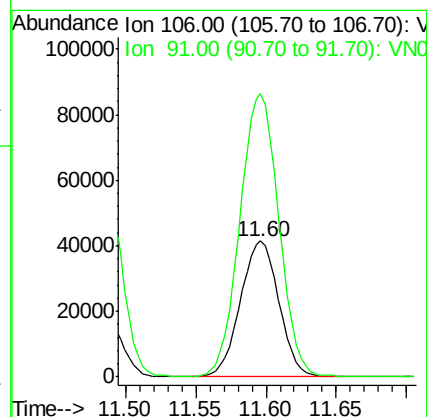
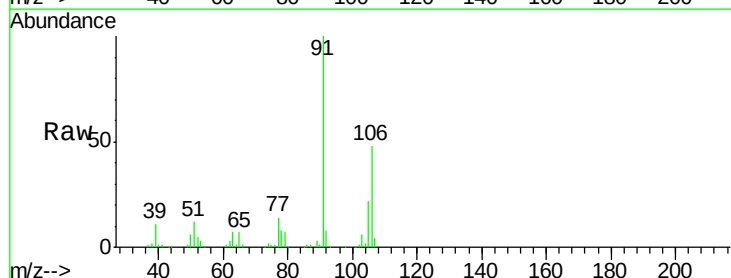
Acq: 6 May 2020 16:59

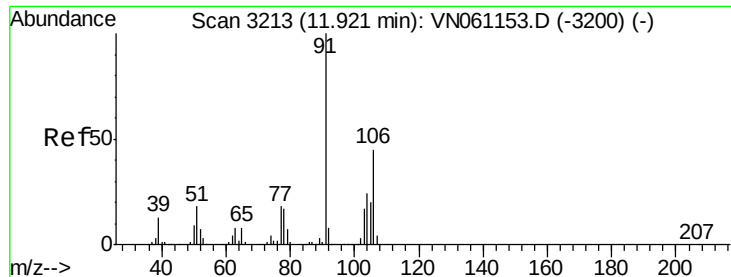
Tgt Ion: 106 Resp: 79186

Ion Ratio Lower Upper

106 100

91 211.7 166.4 249.6





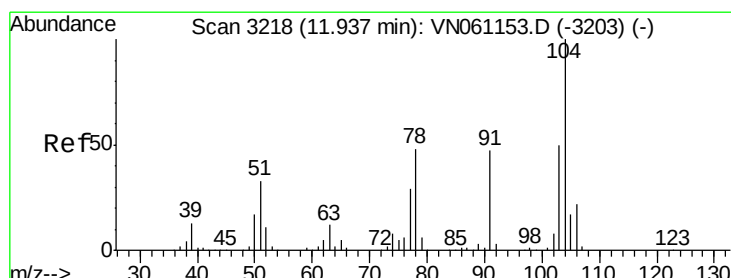
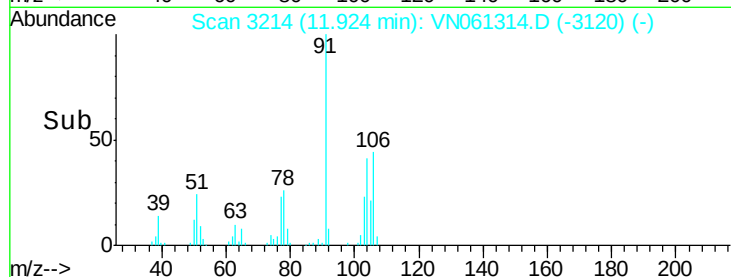
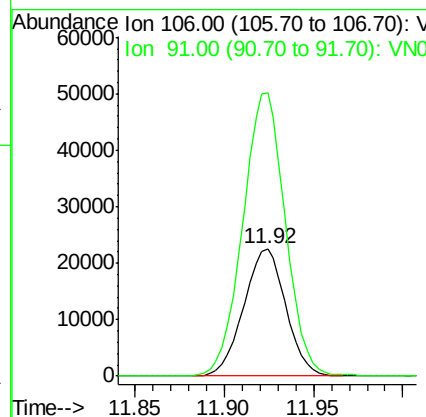
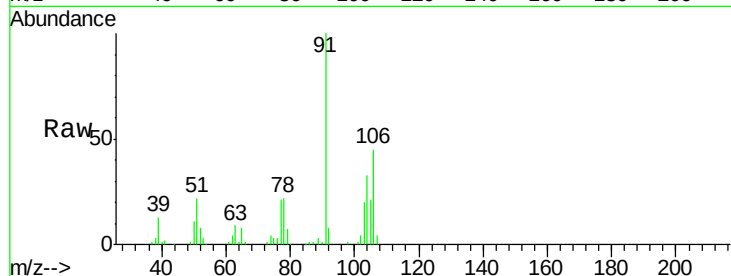
#69
o-Xylene
Concen: 17.419 ug/l
RT: 11.92 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	224.2	109.7	329.0	

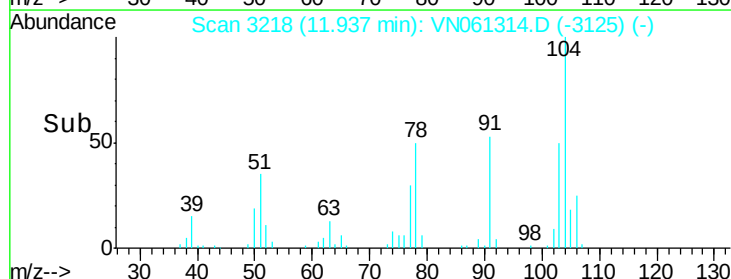
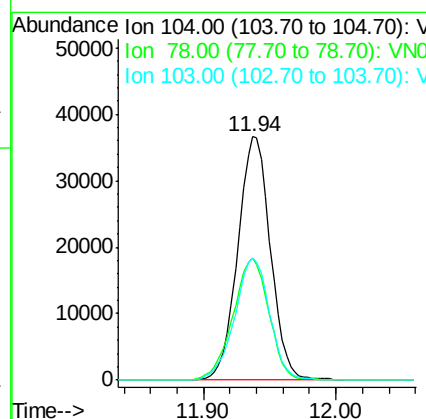
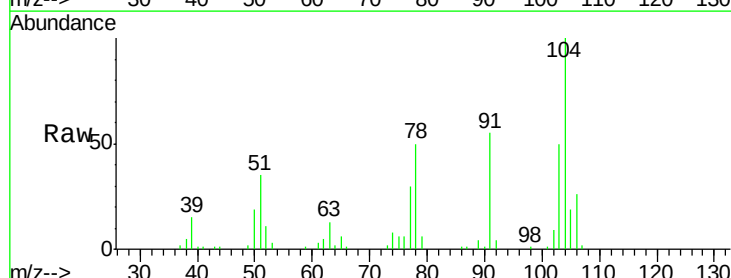
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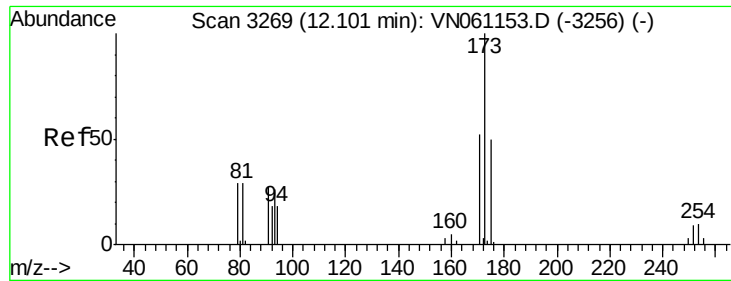
MMDadoda
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#70
Styrene
Concen: 17.518 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.9	42.1	63.1	
103	53.6	43.3	64.9	





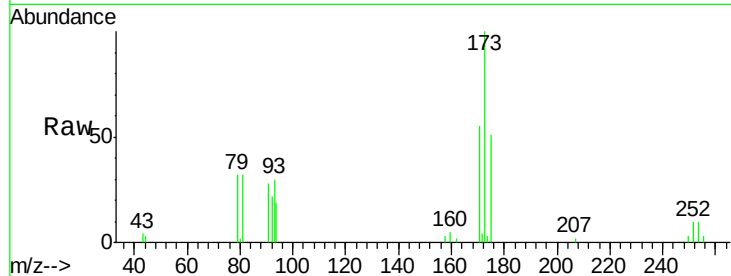
#71
Bromoform
Concen: 18.007 ug/l
RT: 12.10 min Scan# 3269
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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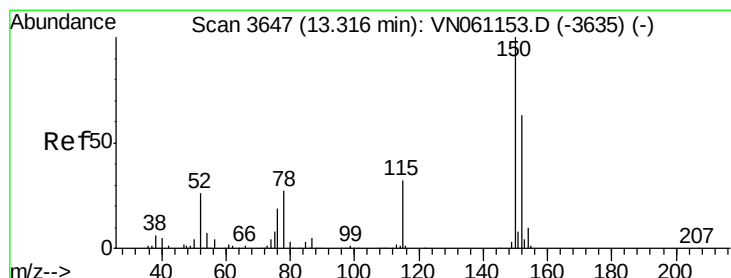
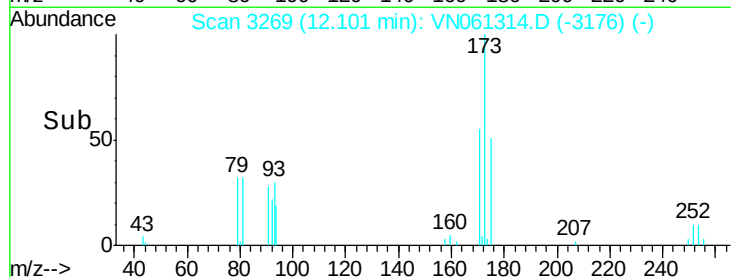
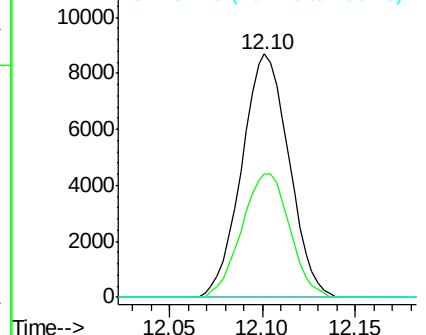


Abundance

Ion 172.70 (172.40 to 173.40): V

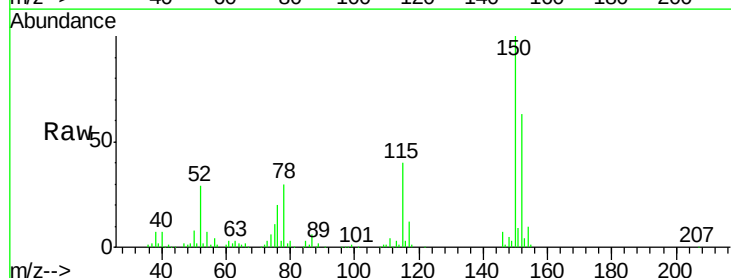
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3648
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.0	93.0
150	163.8	0.0	351.8

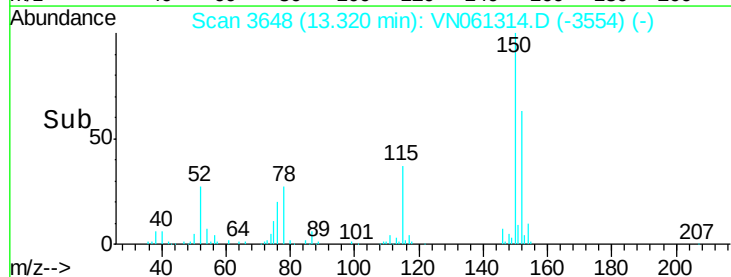
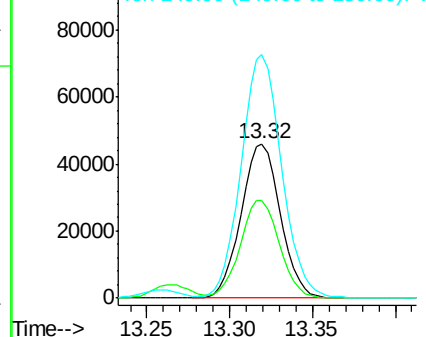


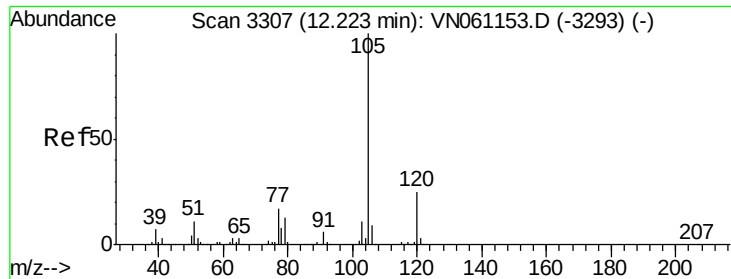
Abundance

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: 18.384 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 105 Resp: 101992

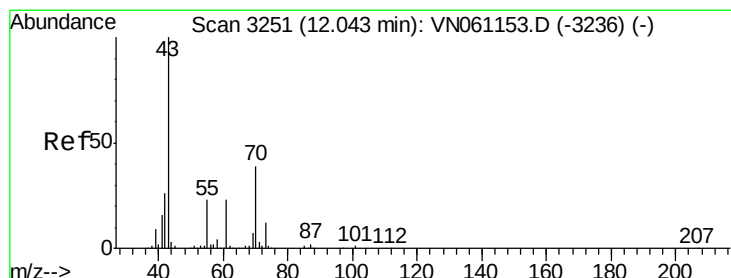
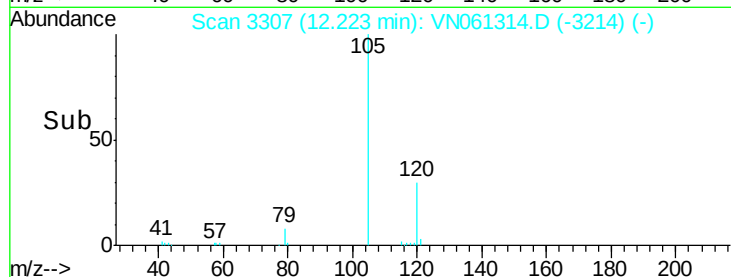
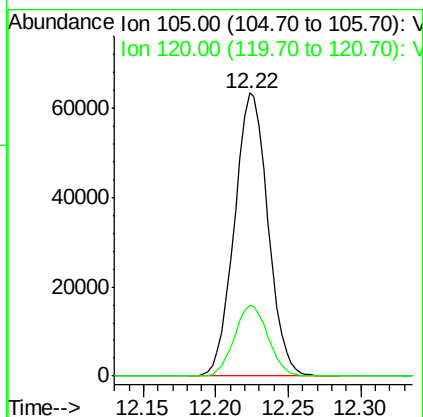
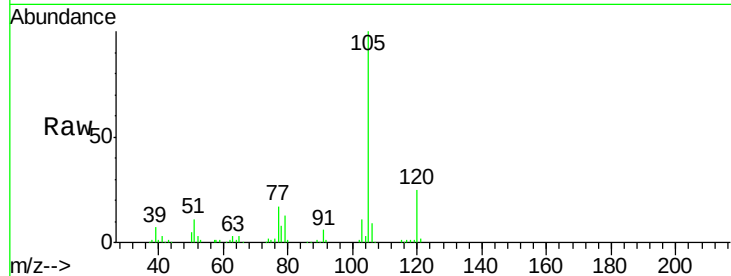
Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 18.440 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion: 43 Resp: 51806

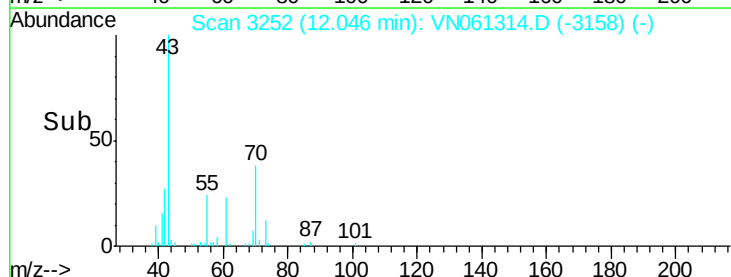
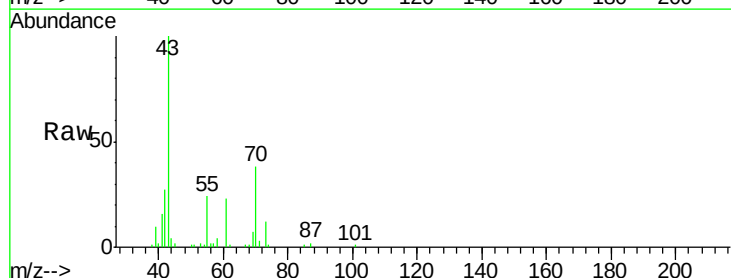
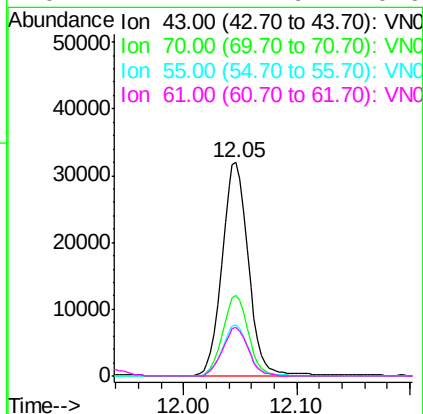
Ion Ratio Lower Upper

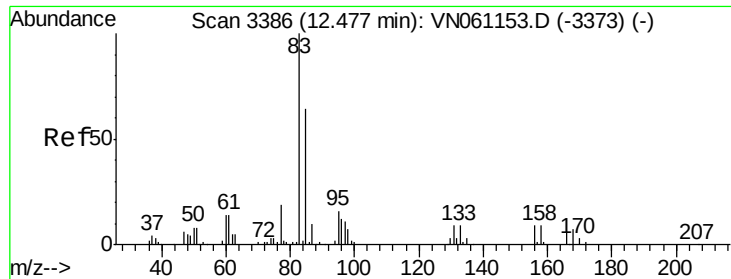
43 100

70 36.6 30.6 46.0

55 23.8 18.5 27.7

61 22.1 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.460 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

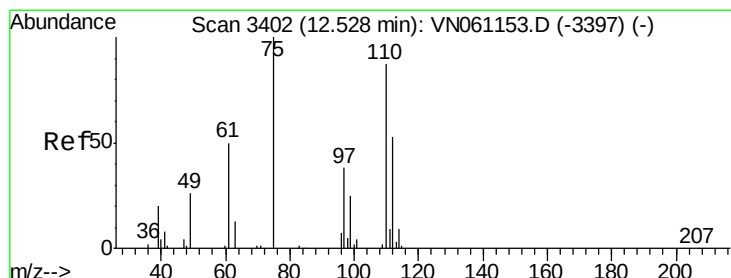
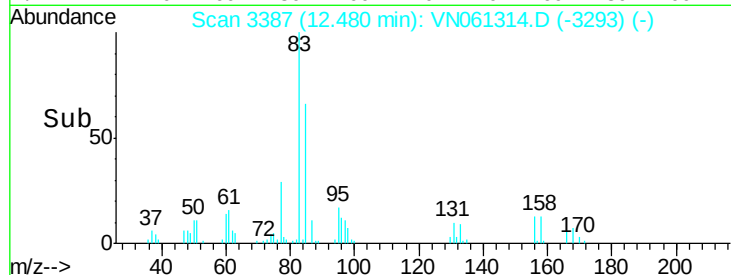
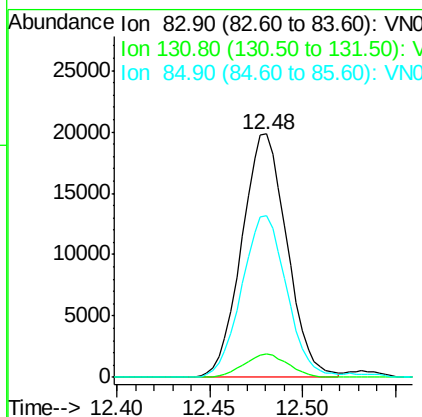
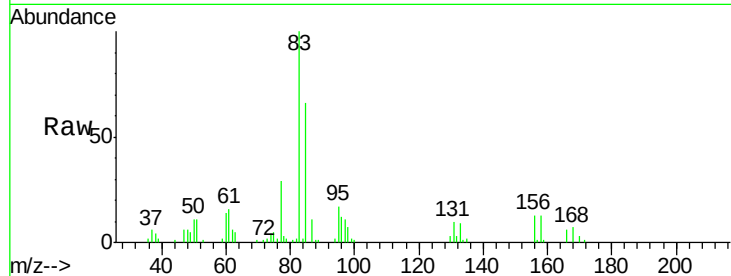
ClientSampled :

VN0506WBSD01

Tot Ion:	83	Resp:	33664
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	65.6	32.0	96.0

Manual Integrations
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5/7/2020 10:36:39 AM



#76

1,2,3-Trichloropropane

Concen: 19.493 ug/l m

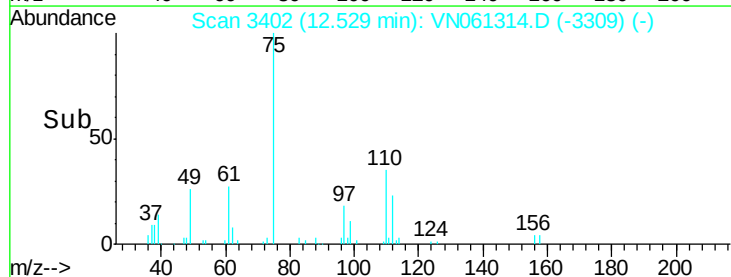
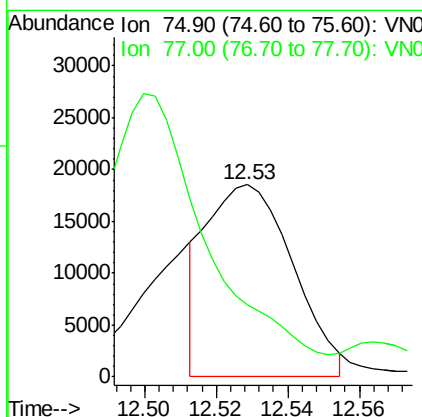
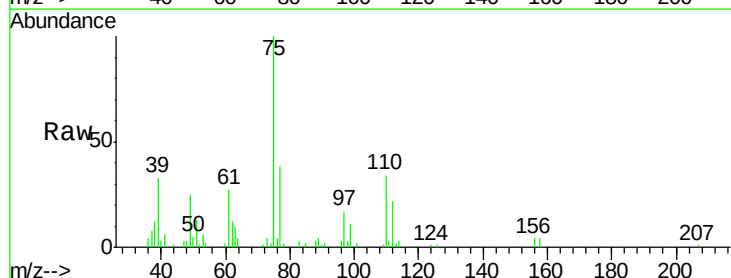
RT: 12.53 min Scan# 3402

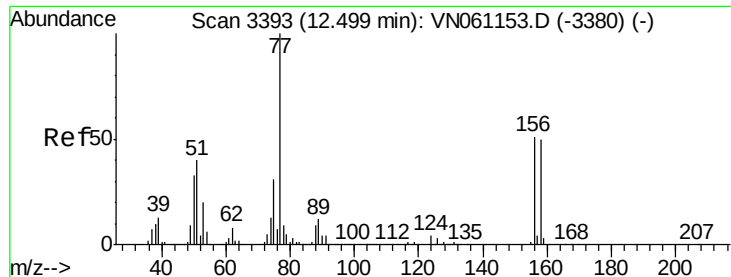
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	75	Resp:	31015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.361 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

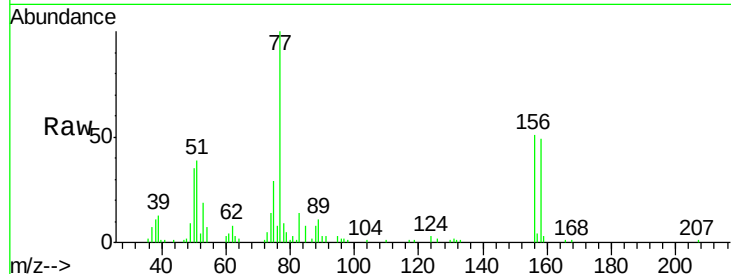
ClientSampled :

VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	243.1	117.4	352.2
158	97.0	48.4	145.0

Manual Integrations
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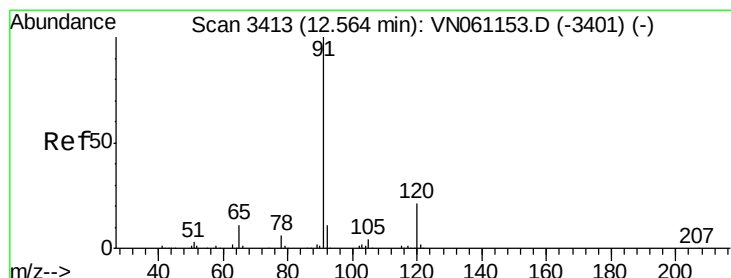
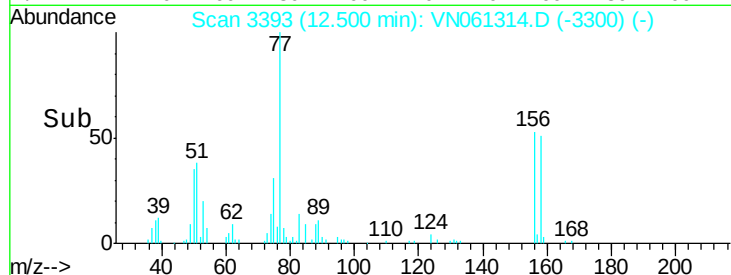
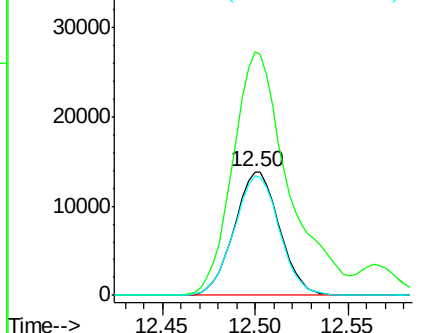
MMDadoda
5/7/2020 10:36:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.173 ug/l

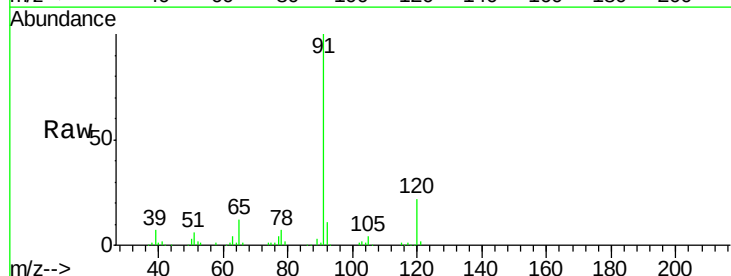
RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061314.D

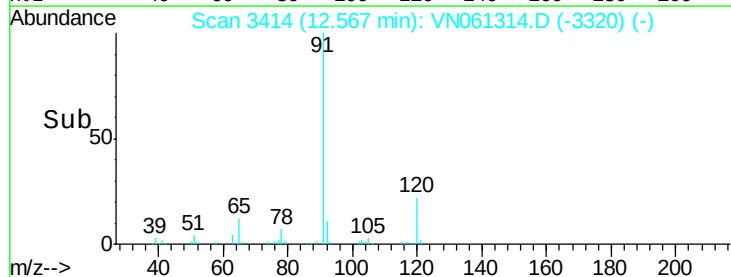
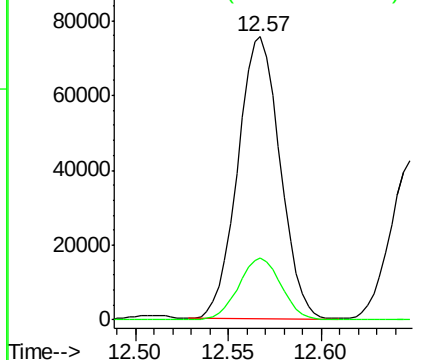
Acq: 6 May 2020 16:59

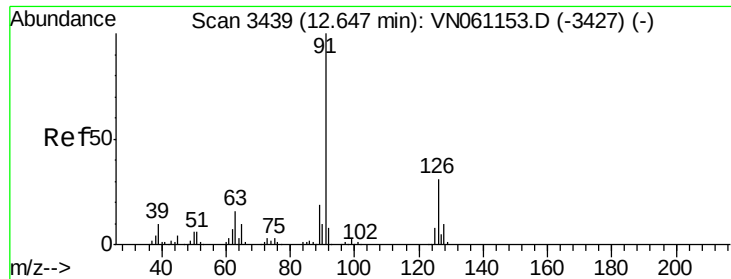
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.366 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 91 Resp: 71037

Ion Ratio Lower Upper

91 100

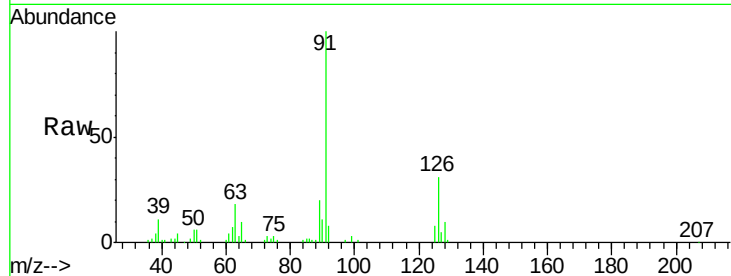
126 31.1 15.9 47.7

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

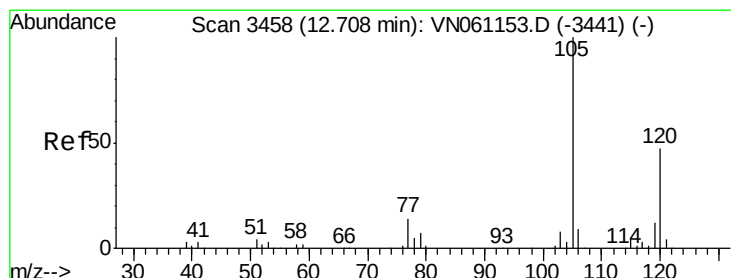
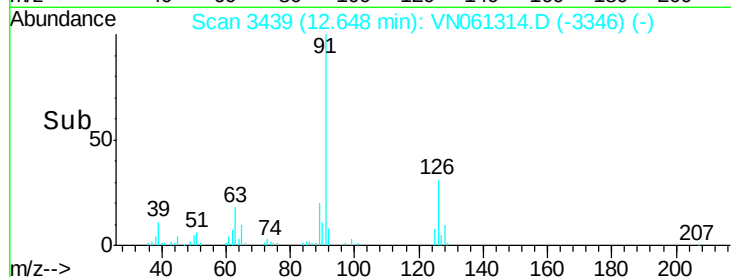
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.314 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061314.D

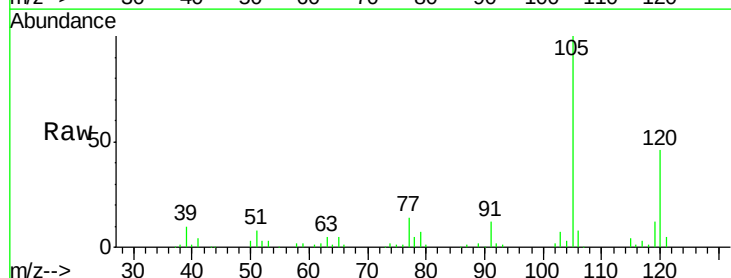
Acq: 6 May 2020 16:59

Tgt Ion: 105 Resp: 84094

Ion Ratio Lower Upper

105 100

120 46.8 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

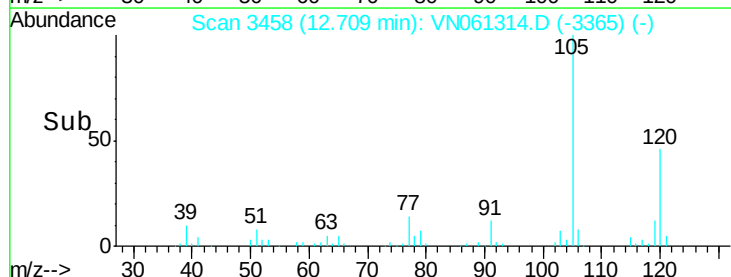
20000

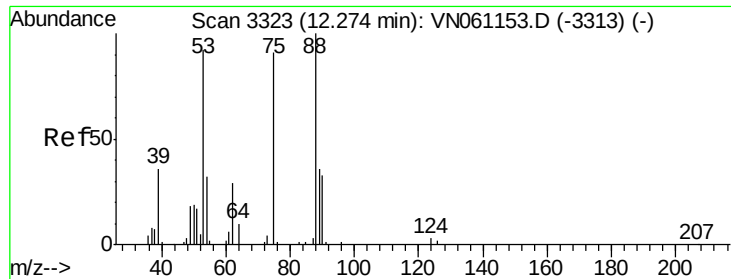
10000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.990 ug/l

RT: 12.28 min Scan# 3324

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 75 Resp: 11898

Ion Ratio Lower Upper

75 100

53 111.0 84.1 126.1

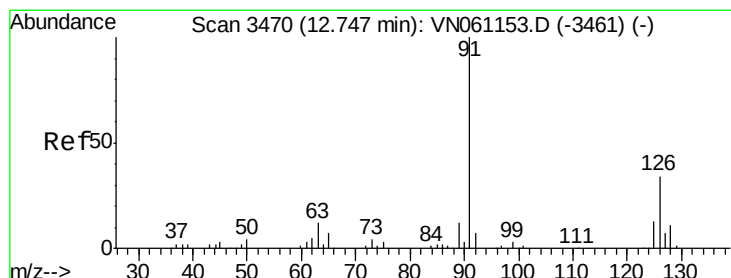
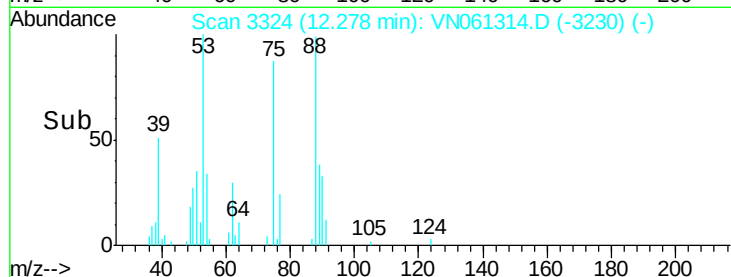
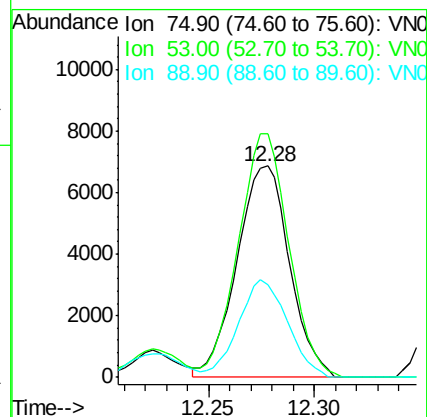
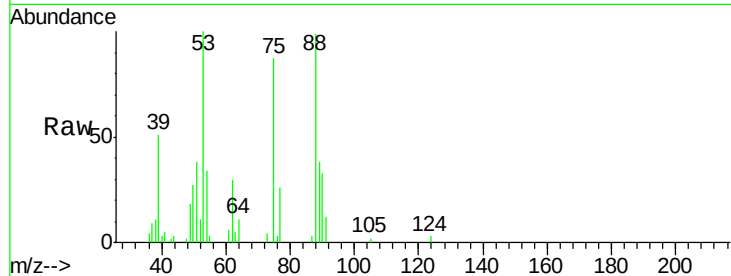
89 43.3 35.2 52.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 18.674 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061314.D

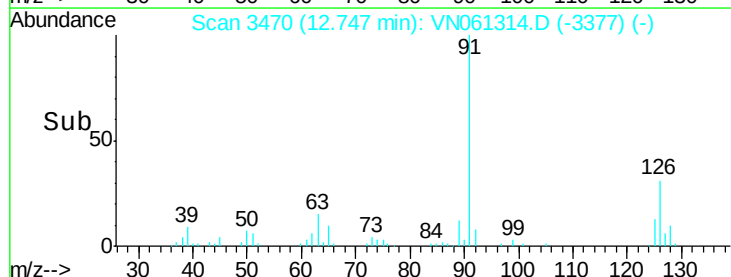
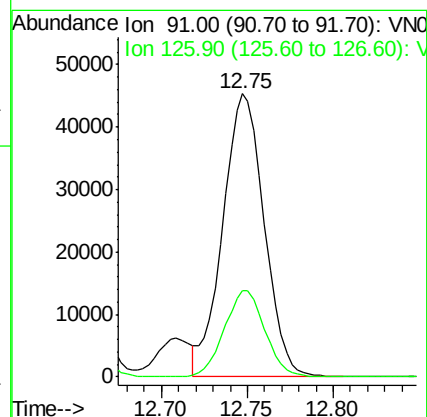
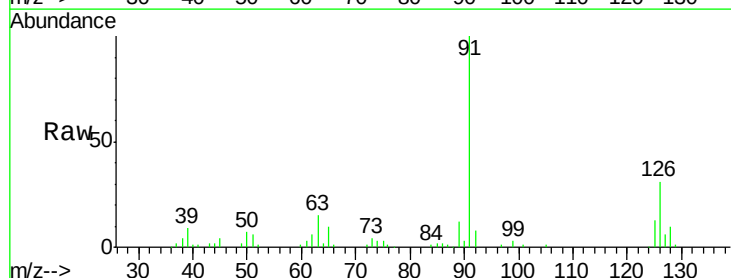
Acq: 6 May 2020 16:59

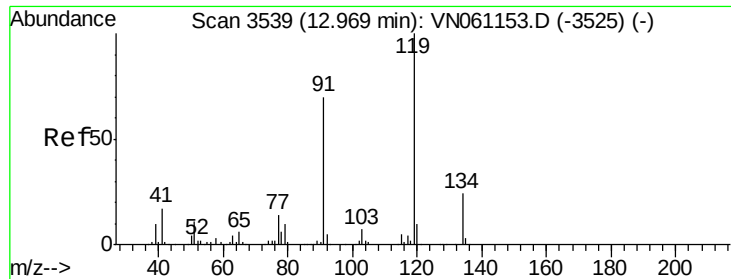
Tgt Ion: 91 Resp: 76126

Ion Ratio Lower Upper

91 100

126 29.9 15.7 47.1





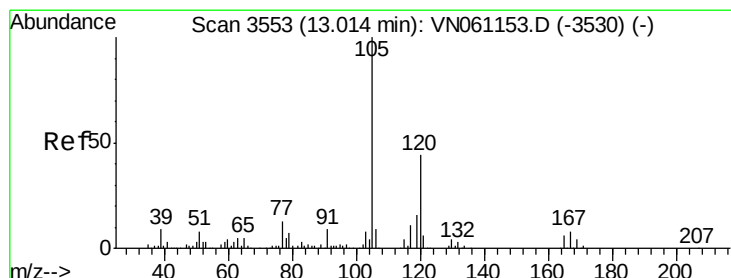
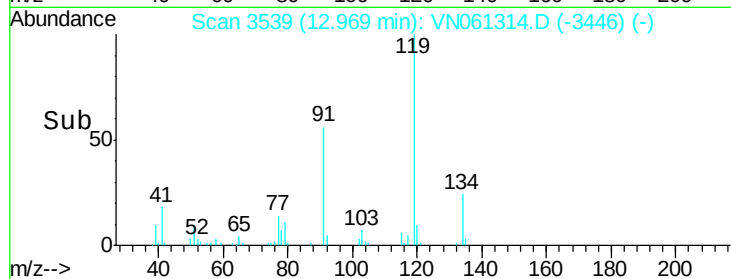
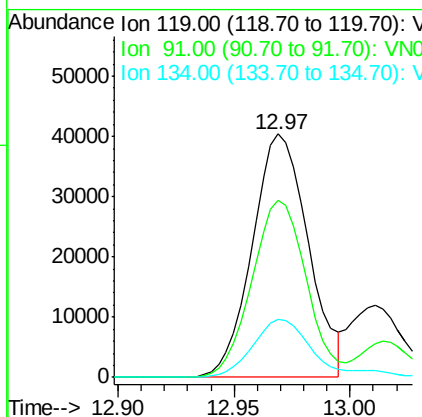
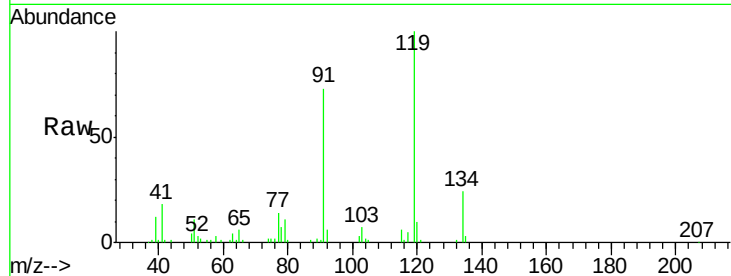
#83
 tert-Butylbenzene
 Concen: 17.499 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.8	34.8	104.4
134	26.0	12.9	38.7

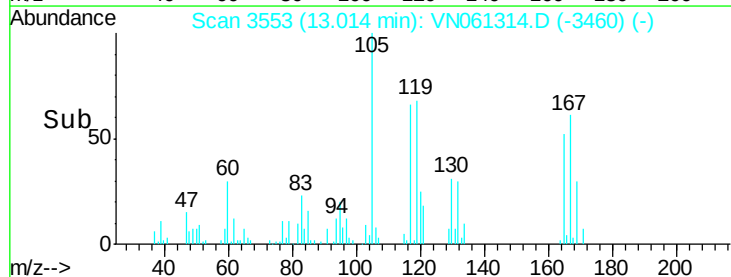
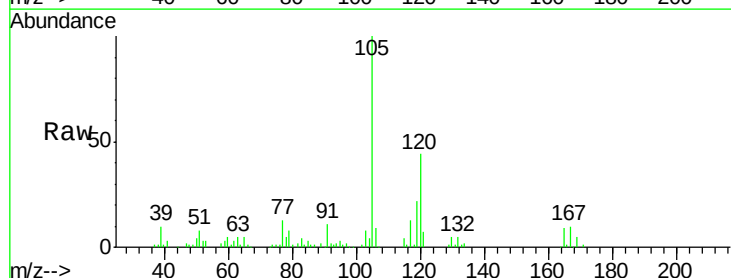
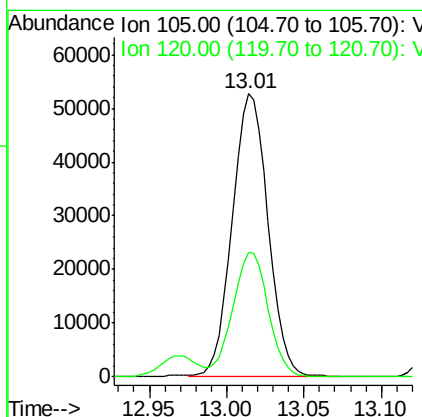
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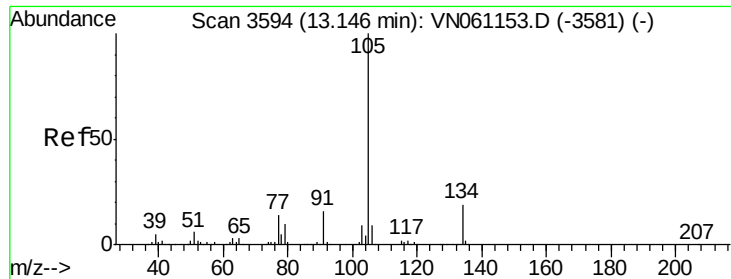
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.842 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.2	66.6





#85

sec-Butylbenzene

Concen: 17.204 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:105 Resp: 90820

Ion Ratio Lower Upper

105 100

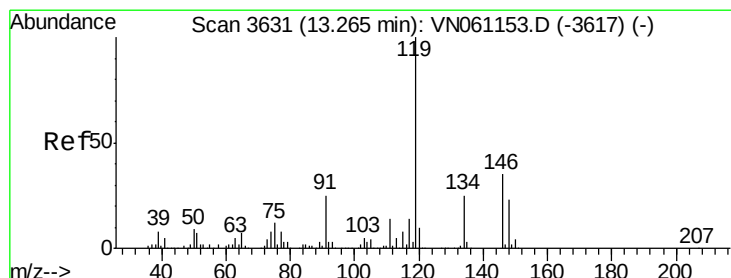
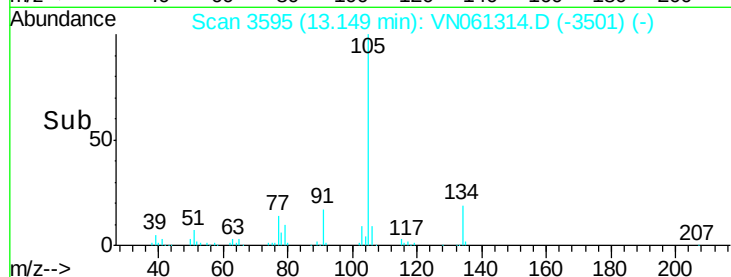
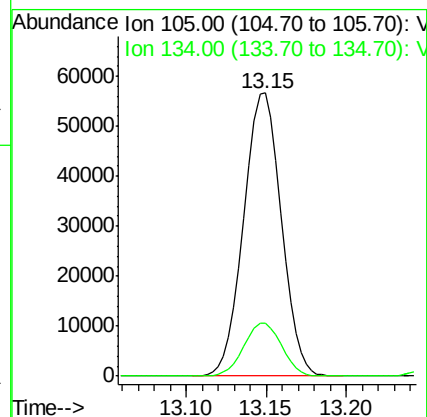
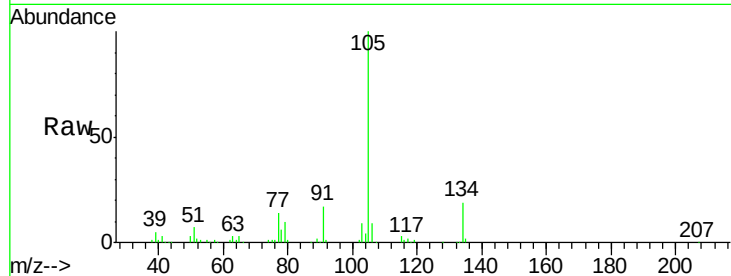
134 18.8 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 16.992 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

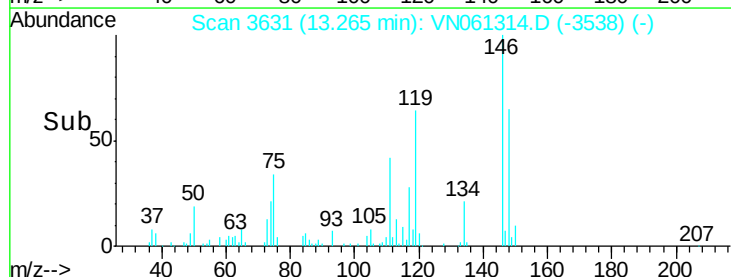
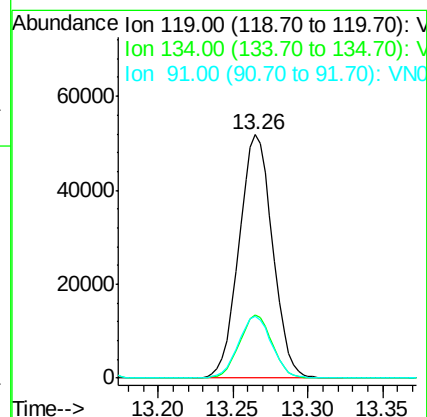
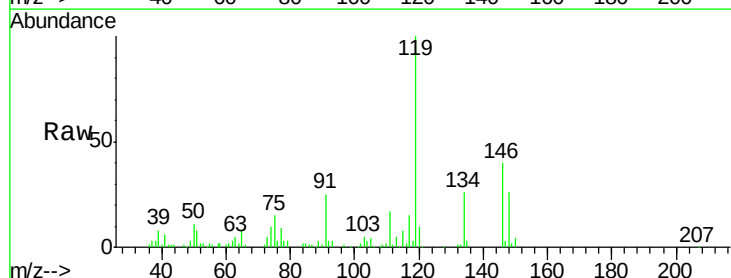
Tgt Ion:119 Resp: 80816

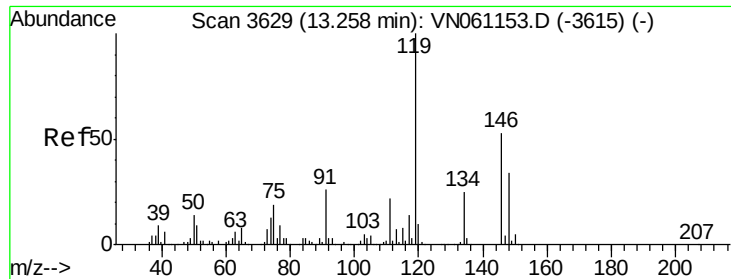
Ion Ratio Lower Upper

119 100

134 25.3 12.6 37.6

91 25.5 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.150 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

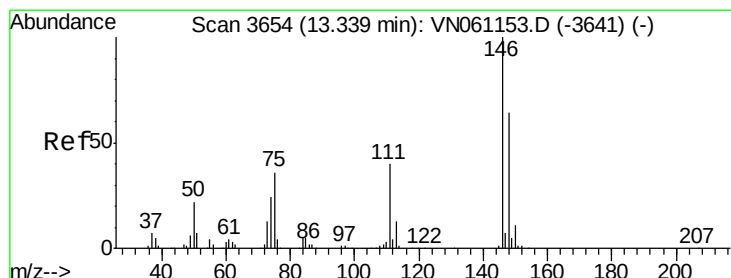
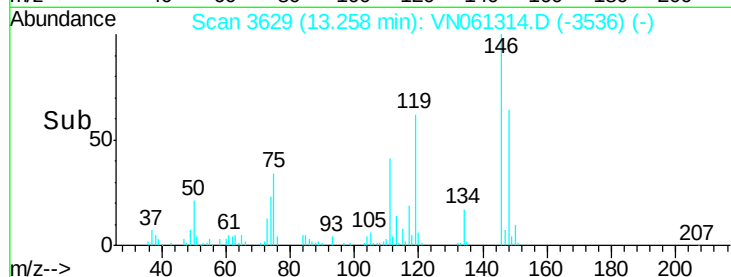
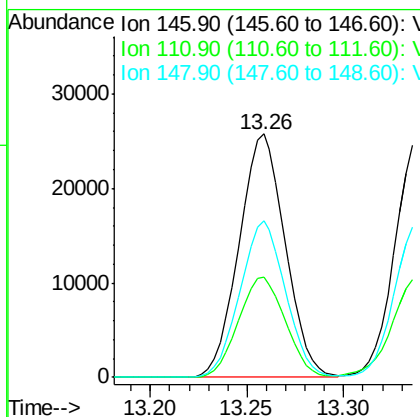
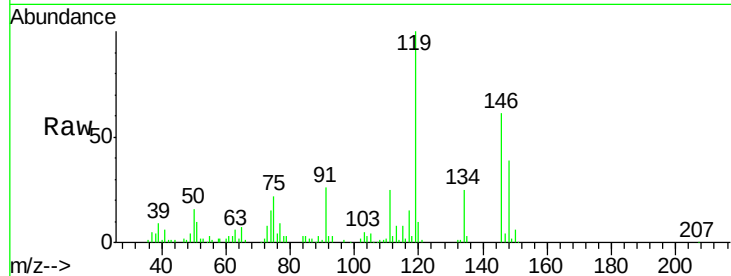
ClientSampled :

VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.5	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 17.822 ug/l

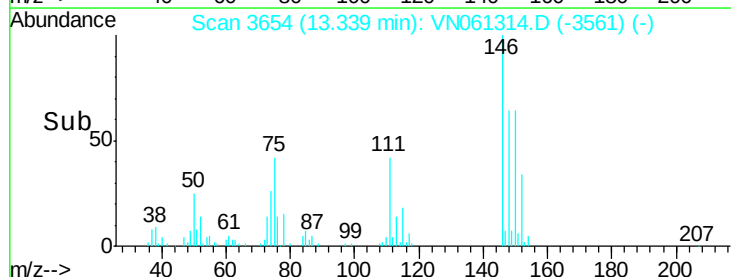
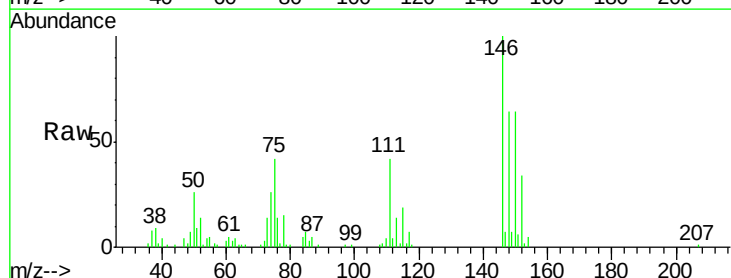
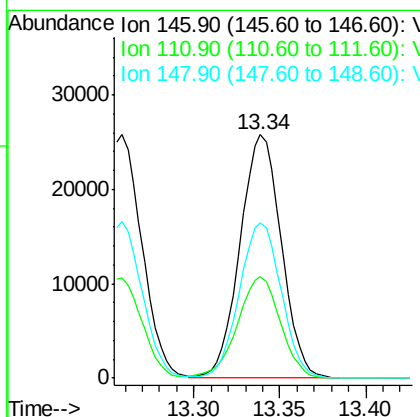
RT: 13.34 min Scan# 3654

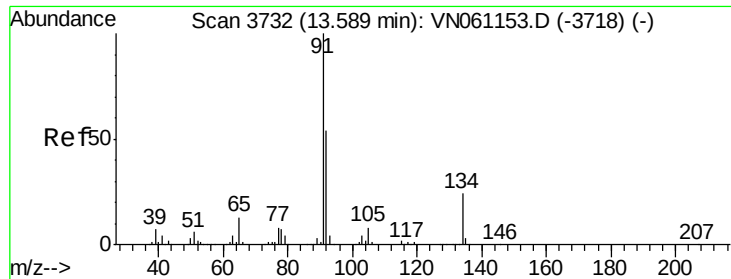
Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.4	61.3
148	64.8	31.9	95.7





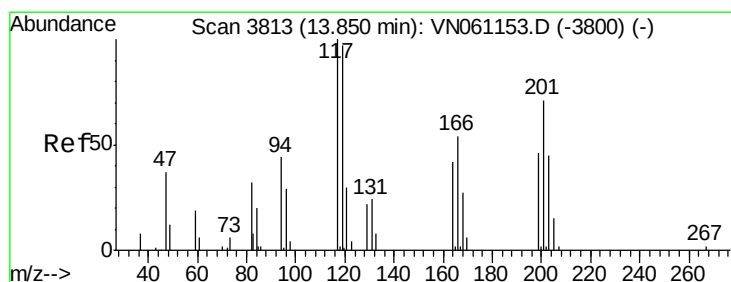
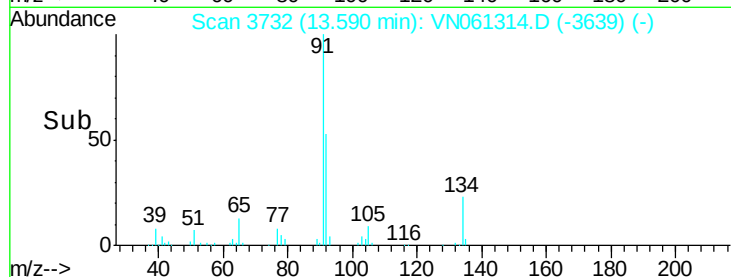
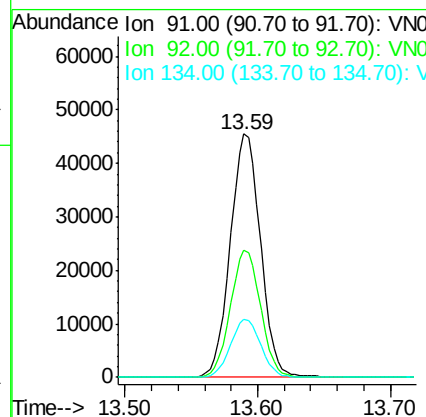
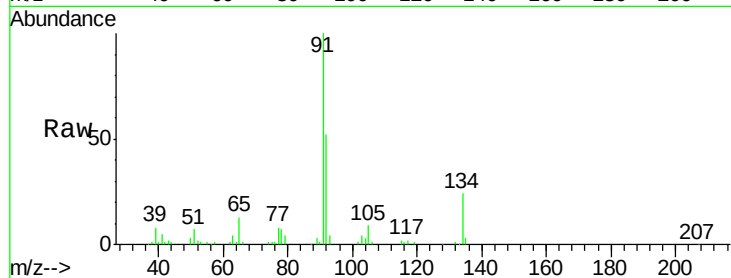
#89
n-Butylbenzene
Concen: 16.523 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.3
134	23.9	11.9	35.5

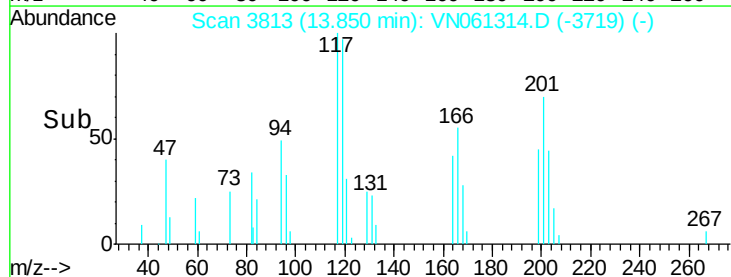
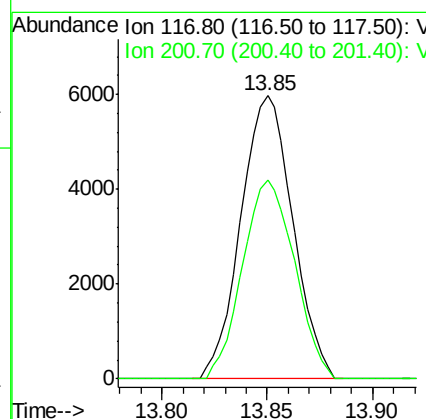
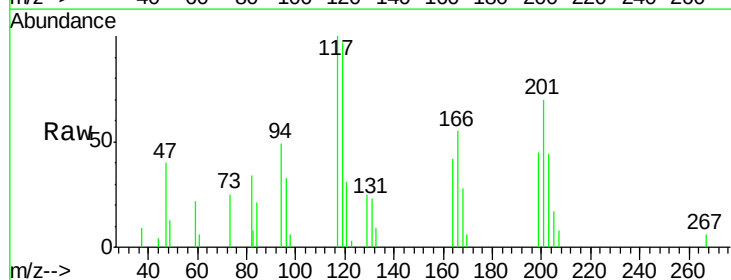
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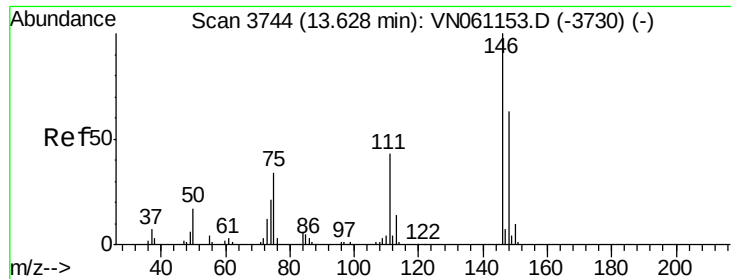
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#90
Hexachloroethane
Concen: 25.076 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.3	35.5	106.7





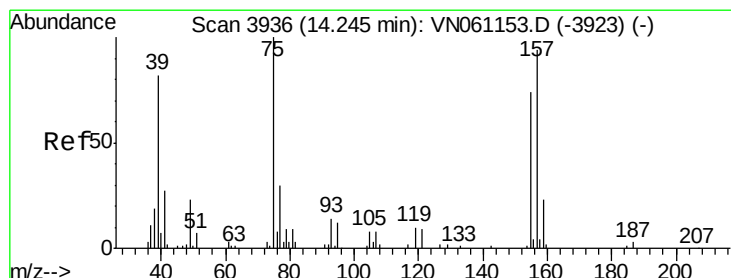
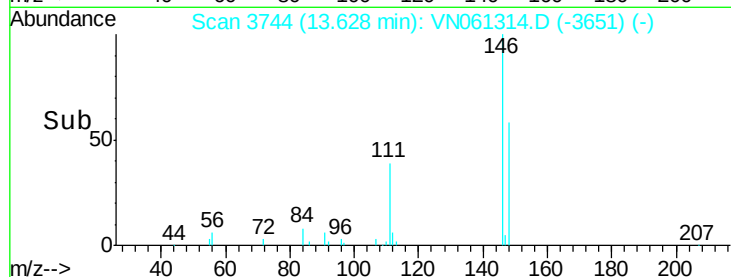
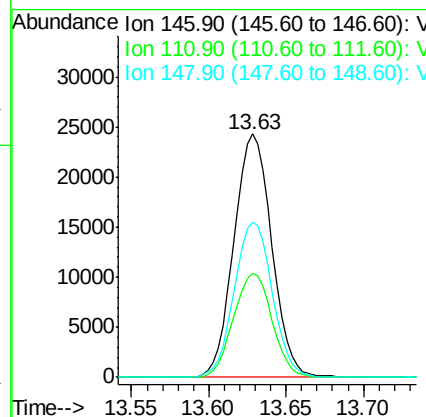
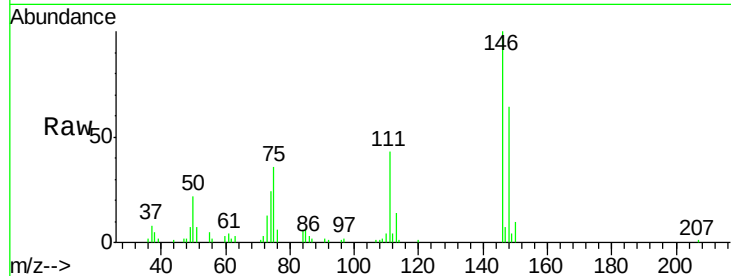
#91
 1,2-Dichlorobenzene
 Concen: 18.246 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.3
148	64.0	31.6	95.0

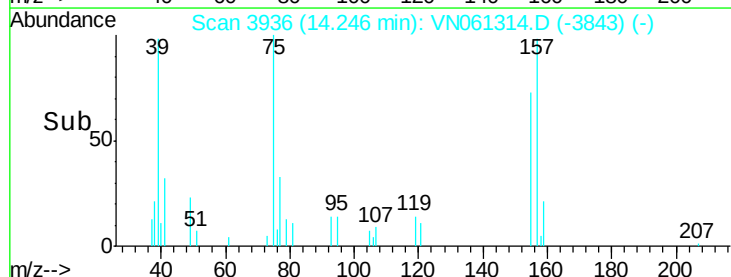
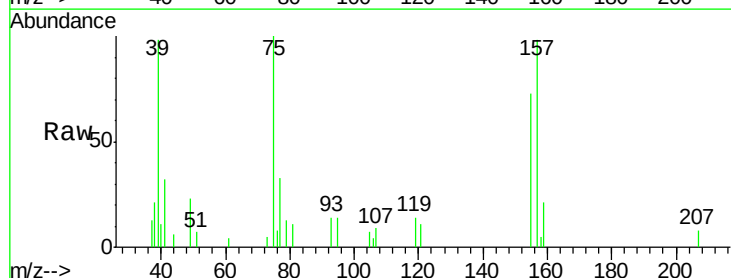
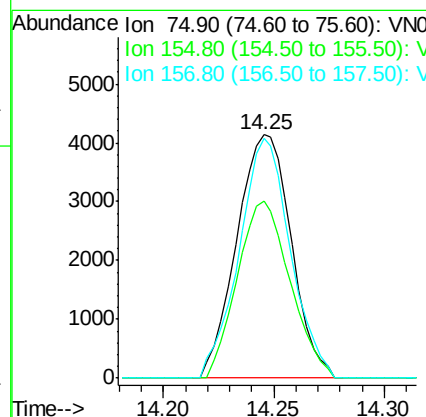
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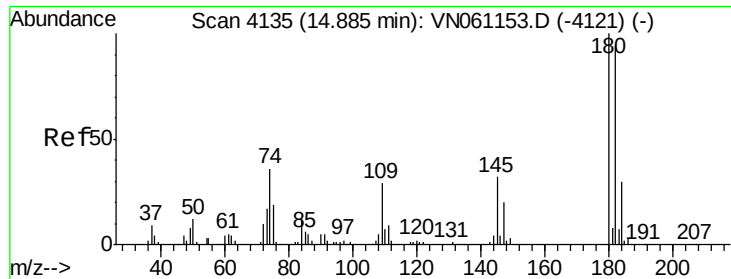
MMDadoda
 5/7/2020 10:36:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.422 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061314.D
 Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.4	36.5	109.7
157	92.7	46.6	139.7





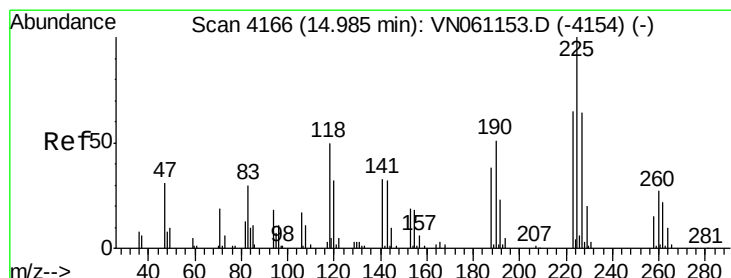
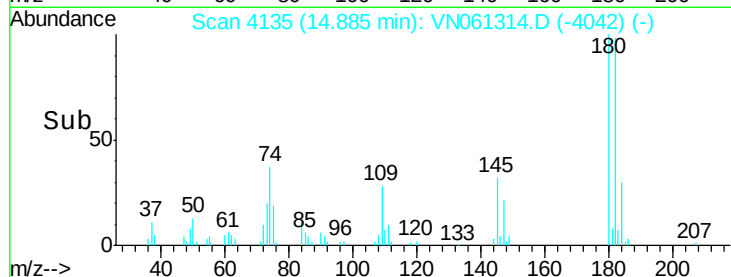
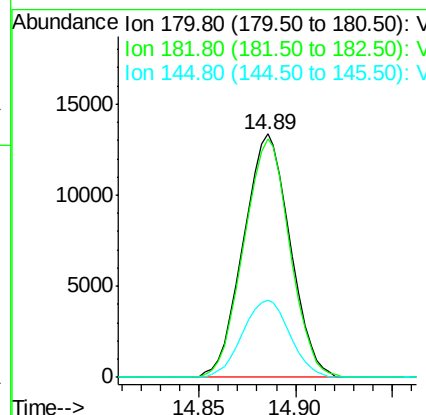
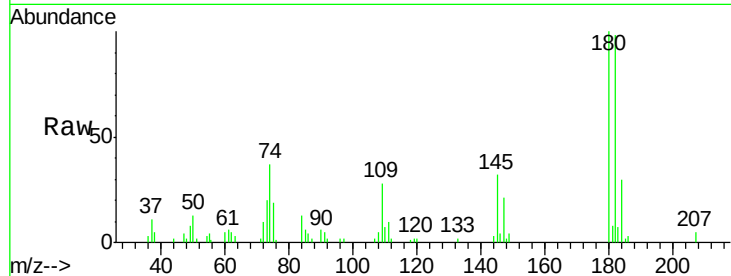
#93
1,2,4-Trichlorobenzene
Concen: 16.231 ug/l
RT: 14.89 min Scan# 4135
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	32.0	16.0	47.9

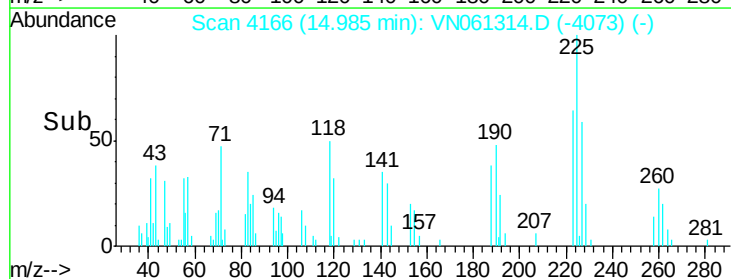
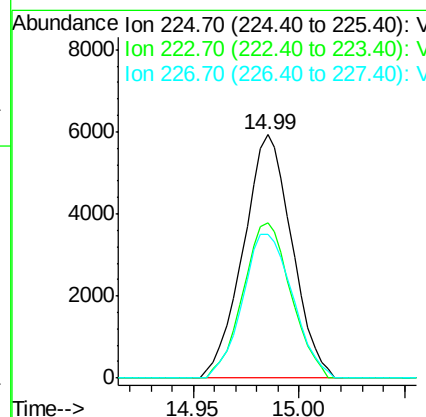
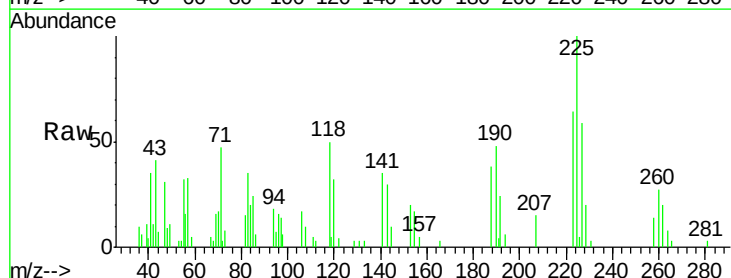
Manual Integrations
APPROVED

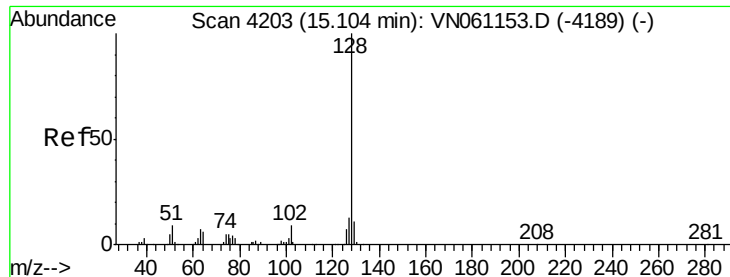
MMDadoda
5/7/2020 10:36:39 AM



#94
Hexachlorobutadiene
Concen: 16.513 ug/l
RT: 14.99 min Scan# 4166
Delta R.T. 0.00 min
Lab File: VN061314.D
Acq: 6 May 2020 16:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.4	97.0
227	61.0	32.4	97.0





#95

Naphthalene

Concen: 17.026 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Instrument :

MSVOA_N

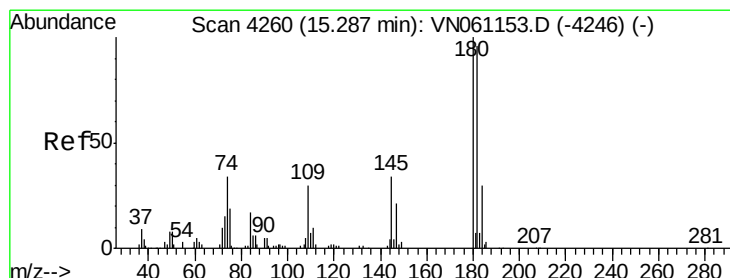
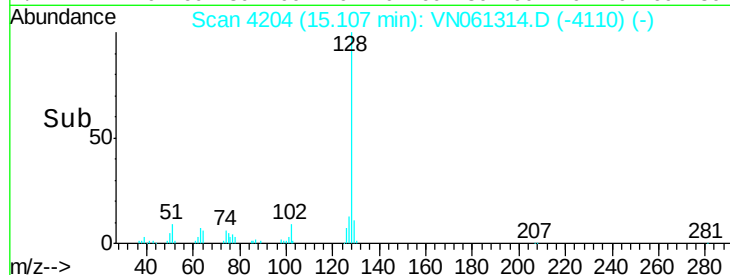
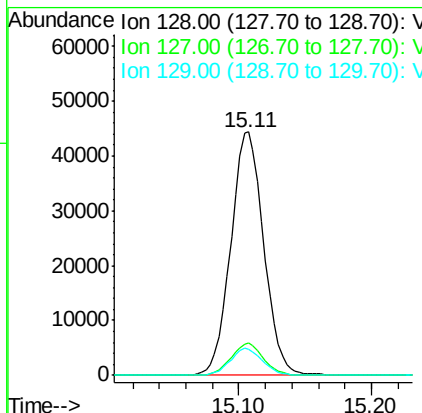
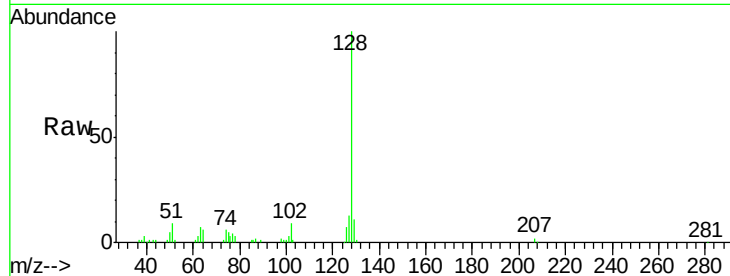
ClientSampleId :

VN0506WBSD01

Tot Ion:	128	Resp:	76333
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.067 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061314.D

Acq: 6 May 2020 16:59

Tgt Ion:	180	Resp:	23197
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.5	142.5
145	34.2	16.9	50.7

