

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061305.D
 Acq On : 6 May 2020 13:27
 Operator : JC/MD
 Sample : VN0506WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:29 AM

Quant Time: May 07 05:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	113986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	196665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	180673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	95646	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.54	113	56339	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.06	98	251287	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.37	95	92138	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	24052	19.899	ug/l	99
3) Chloromethane	2.03	50	32454	22.169	ug/l	100
4) Vinyl Chloride	2.16	62	35566	21.390	ug/l	99
5) Bromomethane	2.54	94	15669	19.064	ug/l	100
6) Chloroethane	2.67	64	22405	21.259	ug/l	96
7) Trichlorofluoromethane	2.98	101	46042	24.544	ug/l	100
8) Diethyl Ether	3.37	74	18122	23.160	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	26672	22.070	ug/l	99
10) Methyl Iodide	3.91	142	27412	17.649	ug/l	99
11) Tert butyl alcohol	4.73	59	26365	109.123	ug/l	98
12) 1,1-Dichloroethene	3.69	96	24487	20.361	ug/l	97
13) Acrolein	3.56	56	14857	92.275	ug/l	98
14) Allyl chloride	4.27	41	53005	23.770	ug/l	99
15) Acrylonitrile	4.92	53	77093	103.945	ug/l	99
16) Acetone	3.77	43	72949	101.294	ug/l	100
17) Carbon Disulfide	4.00	76	60245	18.134	ug/l	100
18) Methyl Acetate	4.27	43	42107	18.922	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	96064	20.904	ug/l	97
20) Methylene Chloride	4.50	84	29131	20.713	ug/l	100
21) trans-1,2-Dichloroethene	4.98	96	27434	20.949	ug/l	98
22) Diisopropyl ether	5.90	45	113001	21.853	ug/l	98
23) Vinyl Acetate	5.84	43	432181	103.800	ug/l	100
24) 1,1-Dichloroethane	5.79	63	57207	21.174	ug/l	99
25) 2-Butanone	6.78	43	109007	102.138	ug/l	99
26) 2,2-Dichloropropane	6.77	77	51068	22.441	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	31174	20.285	ug/l	95
28) Bromochloromethane	7.15	49	30187	23.573	ug/l	96
29) Tetrahydrofuran	7.16	42	72894	101.393	ug/l	99
30) Chloroform	7.33	83	56434	20.612	ug/l	97
31) Cyclohexane	7.61	56	50066	19.081	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	49460	20.745	ug/l	99
36) 1,1-Dichloropropene	7.75	75	41266	20.961	ug/l	98
37) Ethyl Acetate	6.88	43	45820	19.853	ug/l	100
38) Carbon Tetrachloride	7.73	117	36961	21.923	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	42861	19.413	ug/l	100
40) Benzene	8.00	78	121731	20.755	ug/l	99
41) Methacrylonitrile	7.12	41	19545	20.396	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	48730	21.931	ug/l	99
43) Isopropyl Acetate	8.12	43	77861	20.327	ug/l #	92
44) Trichloroethene	8.80	130	30615	19.309	ug/l	99
45) 1,2-Dichloropropane	9.08	63	33279	21.238	ug/l	97
46) Dibromomethane	9.17	93	20857	21.497	ug/l	98
47) Bromodichloromethane	9.37	83	45170	21.691	ug/l	99
48) Methyl methacrylate	9.16	41	34945	20.217	ug/l	96
49) 1,4-Dioxane	9.16	88	9402	479.202	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	232510	103.127	ug/l	99
52) Toluene	10.12	92	74353	21.046	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	48474	20.658	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	53282	21.479	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	29471	20.914	ug/l	98
56) Ethyl methacrylate	10.40	69	44491	19.857	ug/l	98
57) 1,3-Dichloropropane	10.68	76	52947	21.376	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	118006	103.457	ug/l	99
59) 2-Hexanone	10.72	43	167842	102.326	ug/l	99
60) Dibromochloromethane	10.87	129	30796	20.867	ug/l	99
61) 1,2-Dibromoethane	10.98	107	29309	20.752	ug/l	100
64) Tetrachloroethene	10.60	164	29458	18.825	ug/l	98
65) Chlorobenzene	11.40	112	75323	21.017	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	28605	22.300	ug/l	99
67) Ethyl Benzene	11.48	91	141778	21.132	ug/l	100
68) m/p-Xylenes	11.59	106	102785	41.855	ug/l	97
69) o-Xylene	11.92	106	48741	20.663	ug/l	97
70) Styrene	11.94	104	81136	20.551	ug/l	98
71) Bromoform	12.10	173	20428	21.669	ug/l #	98
73) Isopropylbenzene	12.22	105	133432	21.417	ug/l	100
74) N-amyl acetate	12.04	43	65034	20.614	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	41649	21.439	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	37055m	20.739	ug/l	
77) Bromobenzene	12.50	156	30332	21.090	ug/l	96
78) n-propylbenzene	12.56	91	158417	21.437	ug/l	100
79) 2-Chlorotoluene	12.65	91	93544	21.537	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	112516	21.820	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	14535	20.659	ug/l	95
82) 4-Chlorotoluene	12.75	91	98458	21.507	ug/l	99
83) tert-Butylbenzene	12.97	119	92607	21.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	111413	20.971	ug/l	99
85) sec-Butylbenzene	13.15	105	125376	21.150	ug/l	99
86) p-Isopropyltoluene	13.26	119	111619	20.898	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	55812	21.080	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	55829	20.638	ug/l	98
89) n-Butylbenzene	13.59	91	101279	20.685	ug/l	99
90) Hexachloroethane	13.85	117	13852	28.698	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	53488	21.069	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8404	20.483	ug/l	95

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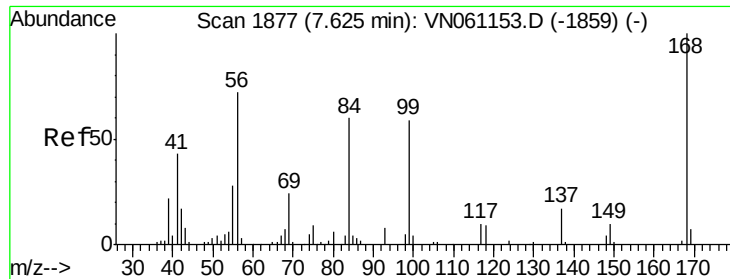
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	29984	19.396	ug/l	99
94) Hexachlorobutadiene	14.99	225	14335	22.196	ug/l	99
95) Naphthalene	15.11	128	89550	17.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	29507	19.333	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion:168 Resp: 113986

Ion Ratio Lower Upper

168 100

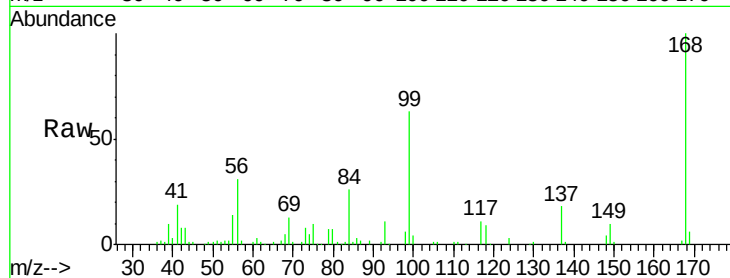
99 62.3 51.2 76.8

Manual Integrations

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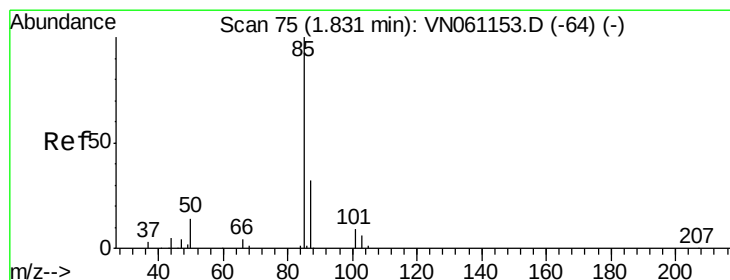
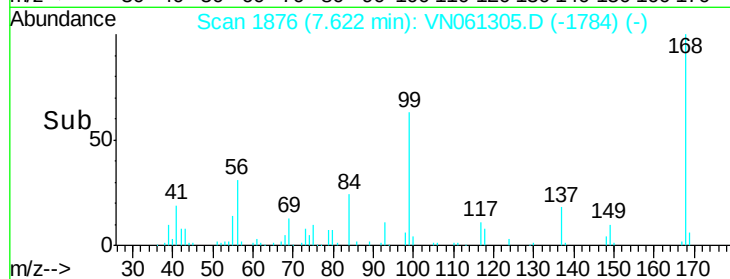
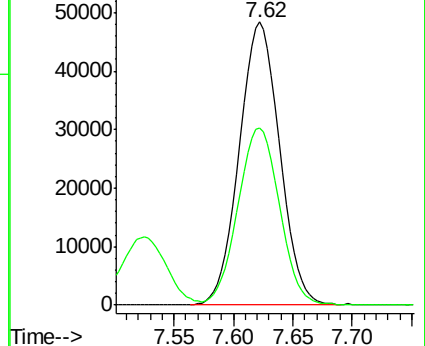
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.899 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061305.D

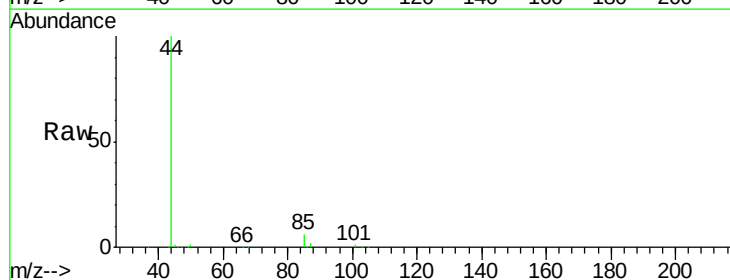
Acq: 6 May 2020 13:27

Tgt Ion: 85 Resp: 24052

Ion Ratio Lower Upper

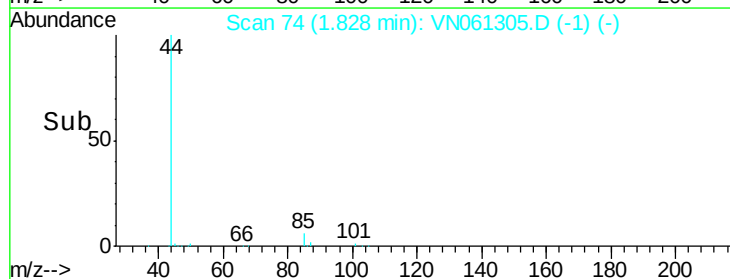
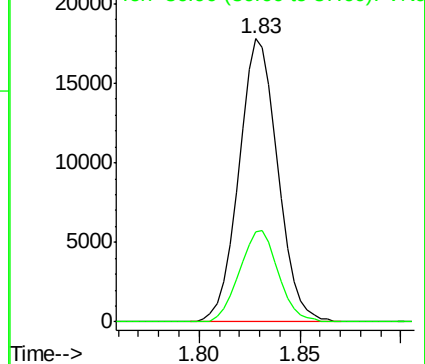
85 100

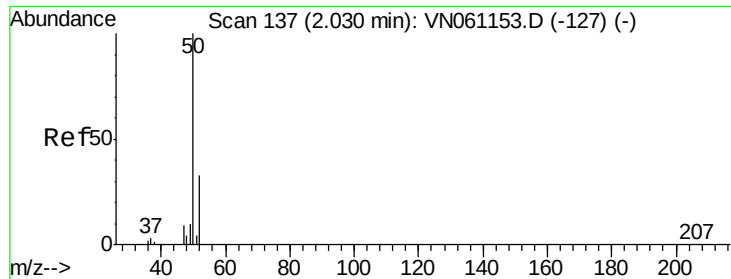
87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 22.169 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 50 Resp: 32454

Ion Ratio Lower Upper

50 100

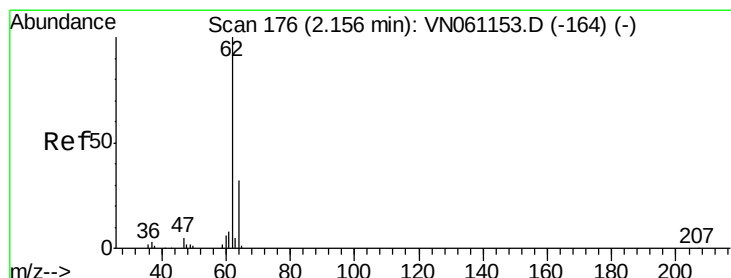
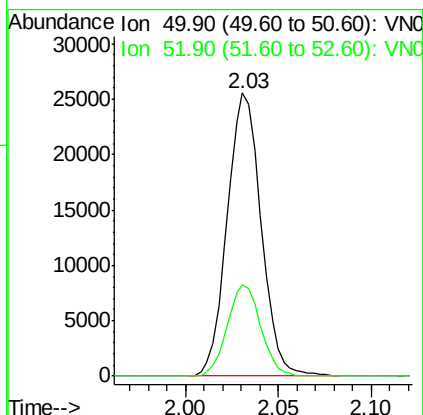
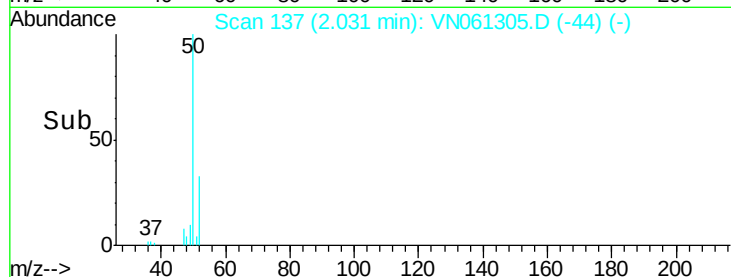
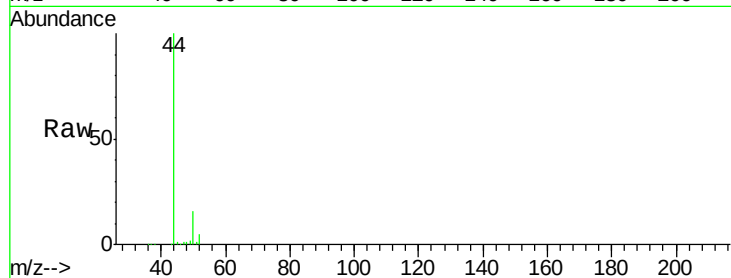
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.390 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061305.D

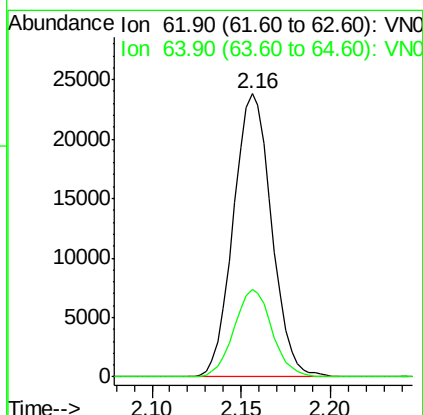
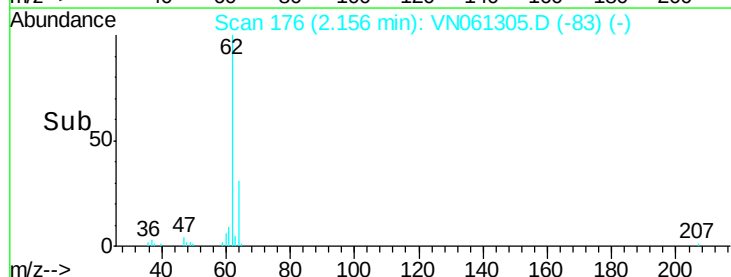
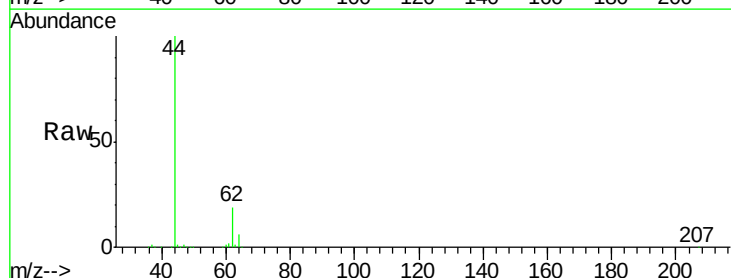
Acq: 6 May 2020 13:27

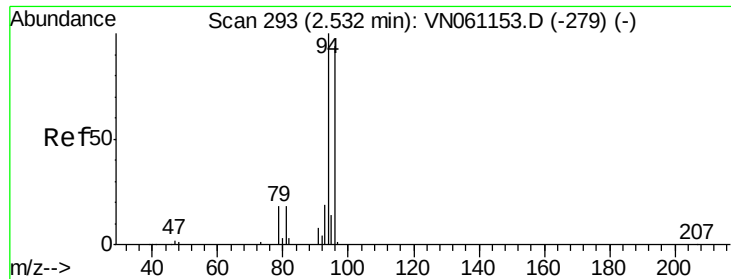
Tgt Ion: 62 Resp: 35566

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 19.064 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 94 Resp: 15669

Ion Ratio Lower Upper

94 100

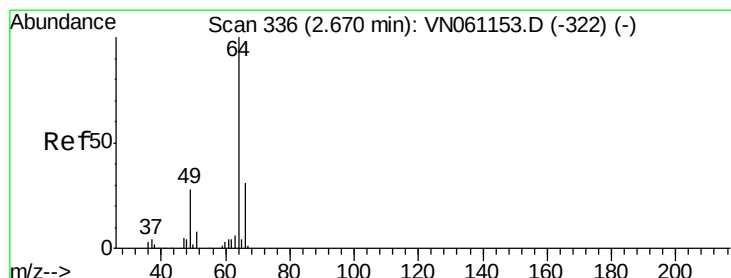
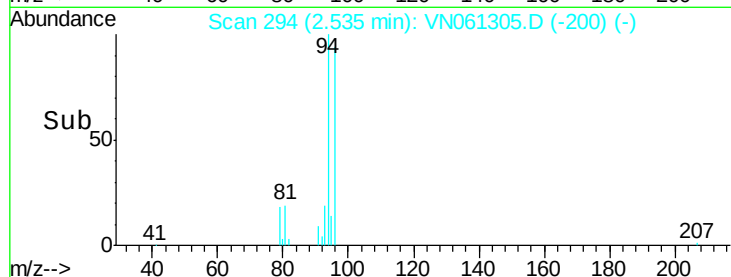
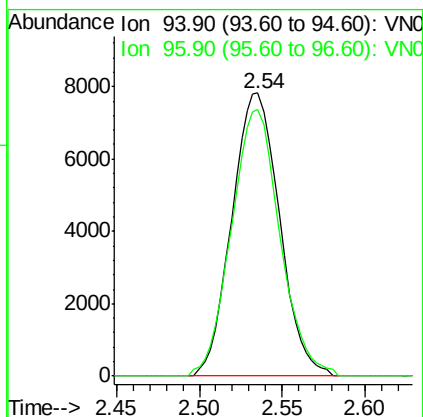
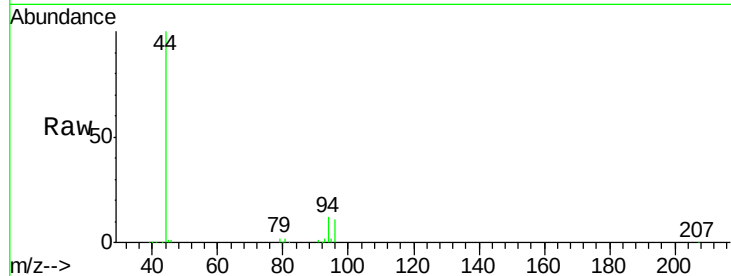
96 94.2 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 21.259 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061305.D

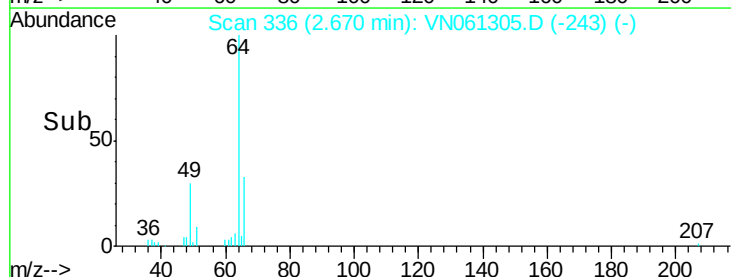
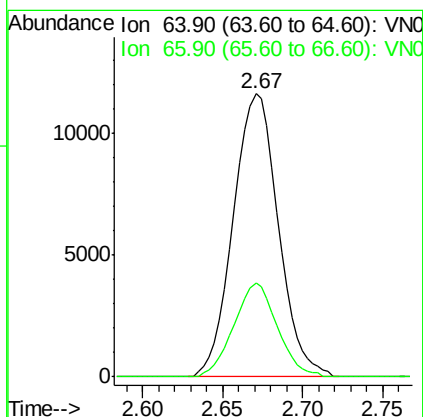
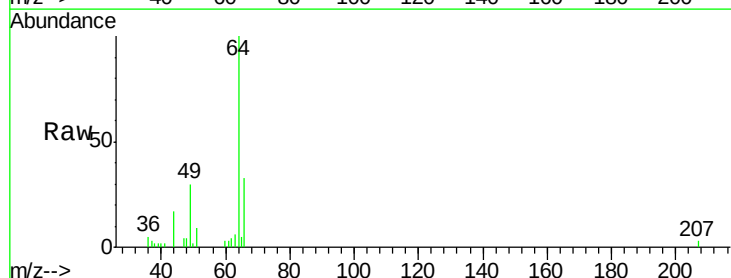
Acq: 6 May 2020 13:27

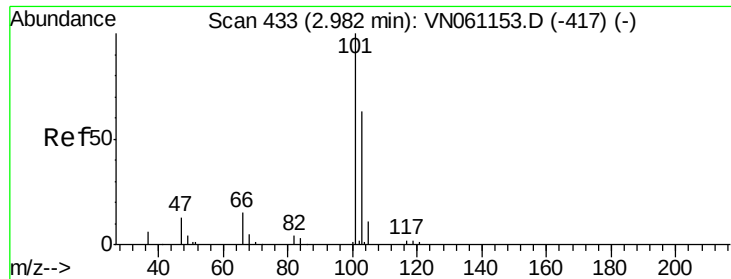
Tgt Ion: 64 Resp: 22405

Ion Ratio Lower Upper

64 100

66 33.0 24.6 36.8





#7

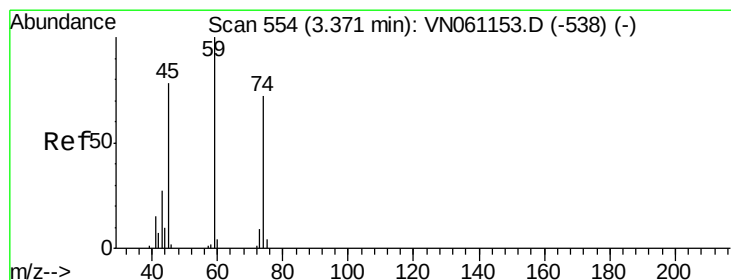
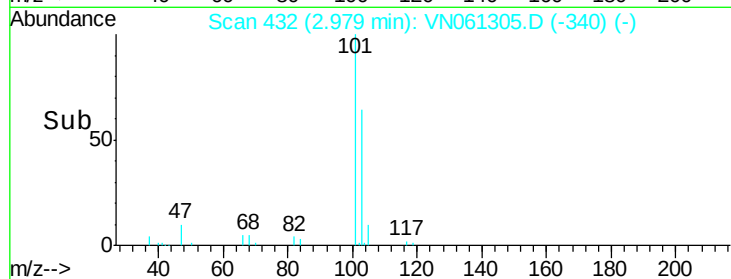
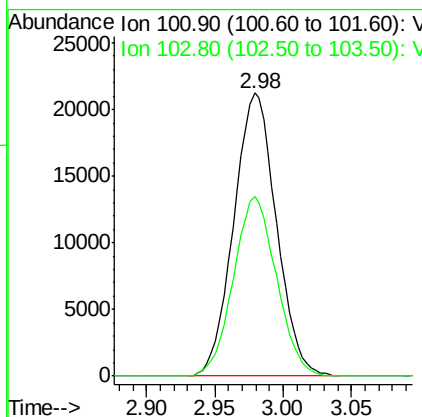
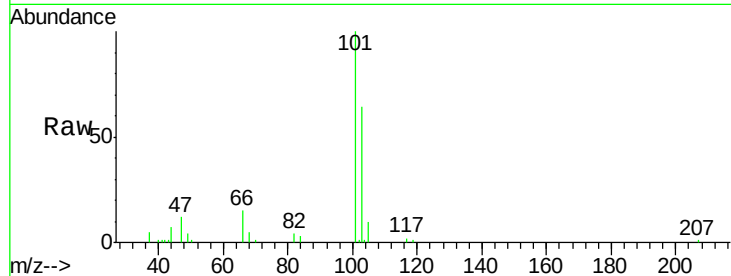
Trichlorofluoromethane
 Concen: 24.544 ug/l
 RT: 2.98 min Scan# 432
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
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 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.6	76.0

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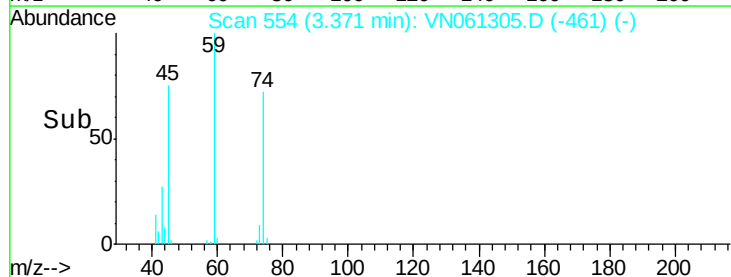
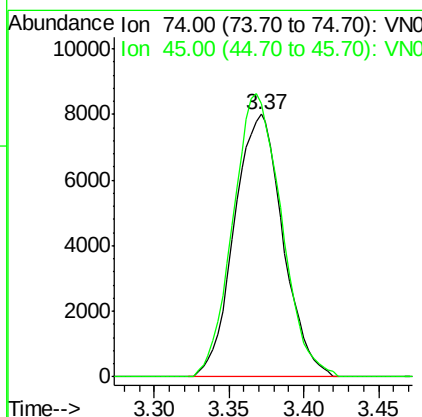
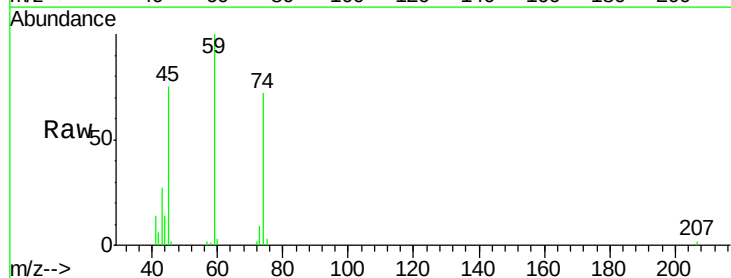
MMDadoda
 5/7/2020 10:36:29 AM

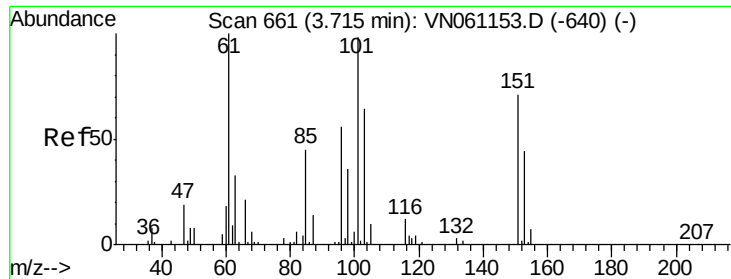


#8

Diethyl Ether
 Concen: 23.160 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.070 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

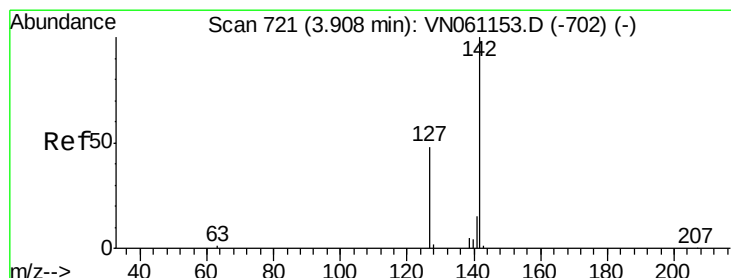
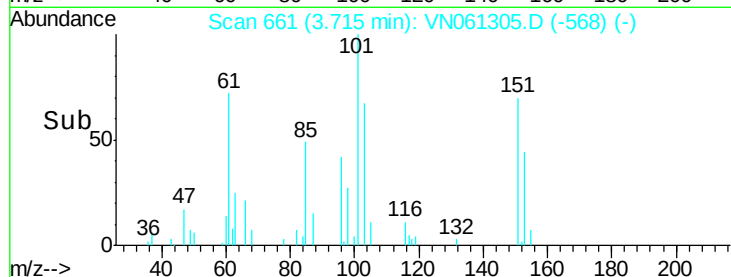
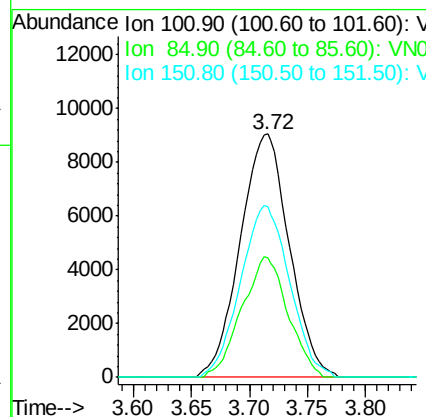
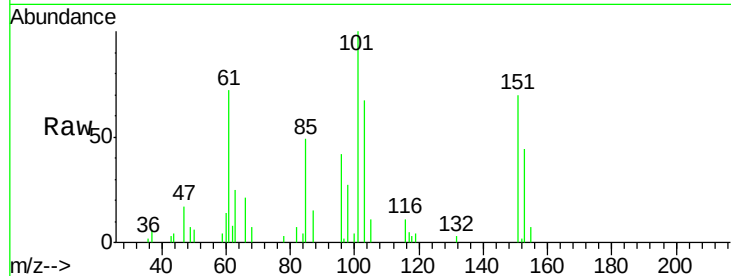
ClientSampled :

VN0506WBS01

Tot Ion:	101	Resp:	26672
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	70.5	57.7	86.5

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#10

Methyl Iodide

Concen: 17.649 ug/l

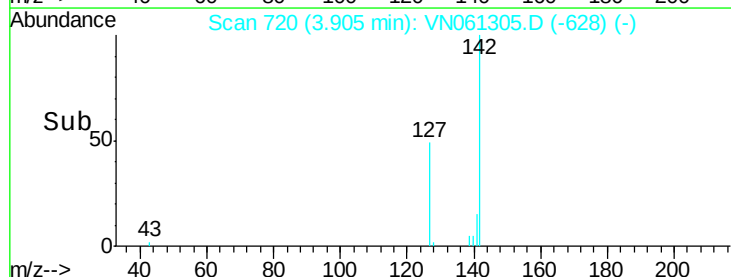
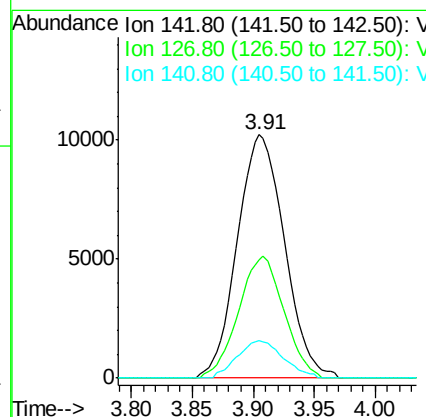
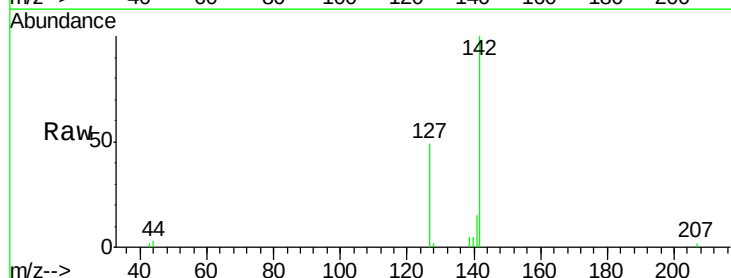
RT: 3.91 min Scan# 720

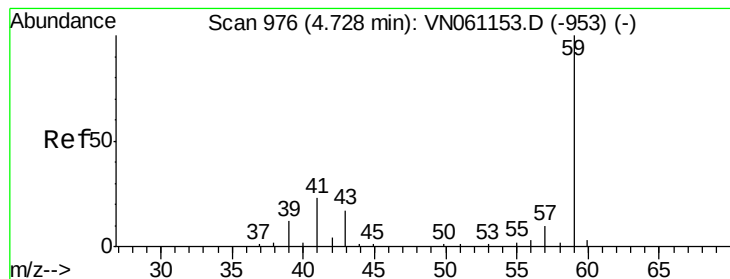
Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion:	142	Resp:	27412
Ion Ratio	Lower	Upper	
142	100		
127	48.0	38.0	57.0
141	15.0	11.7	17.5





#11

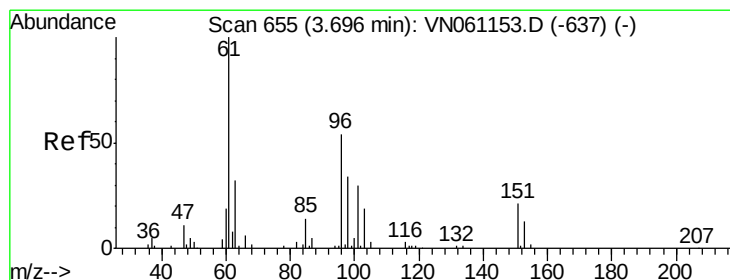
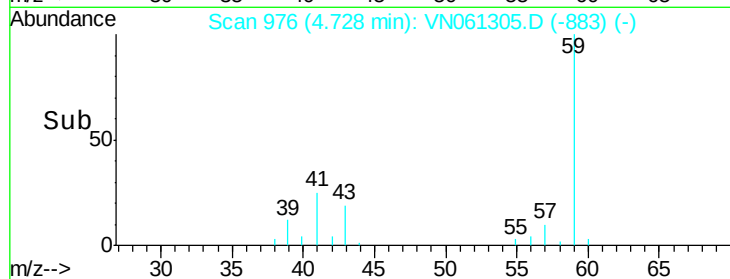
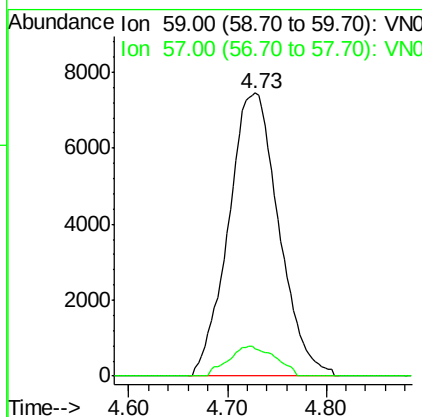
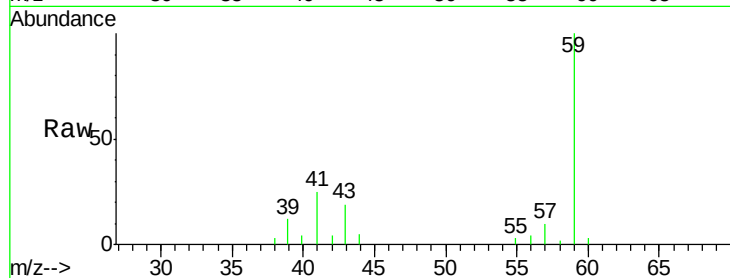
Tert butyl alcohol
 Concen: 109.123 ug/l
 RT: 4.73 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

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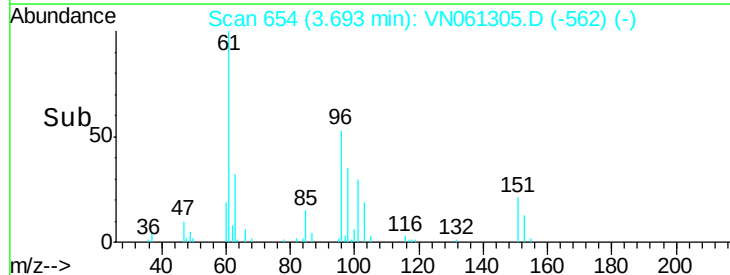
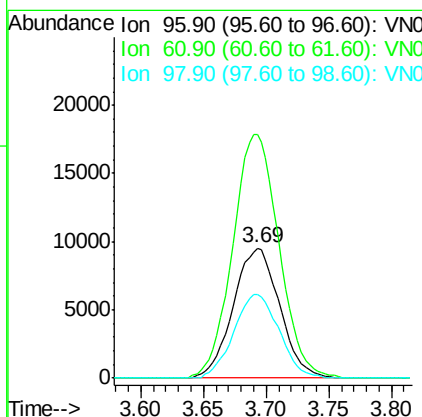
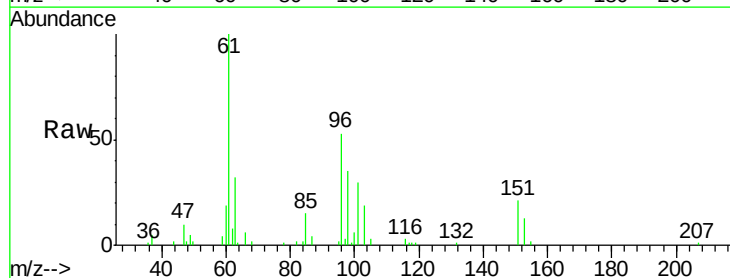
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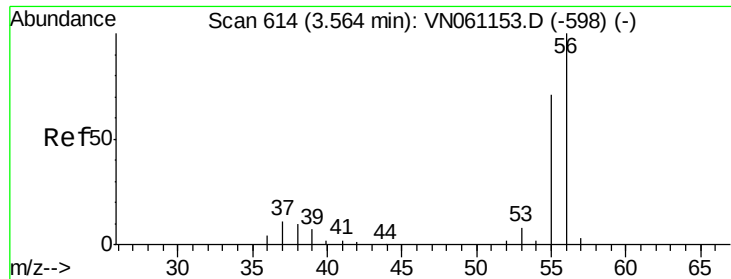


#12

1,1-Dichloroethene
 Concen: 20.361 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	147.0	220.6
98	64.9	49.8	74.6





#13

Acrolein

Concen: 92.275 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion: 56 Resp: 14857

Ion Ratio Lower Upper

56 100

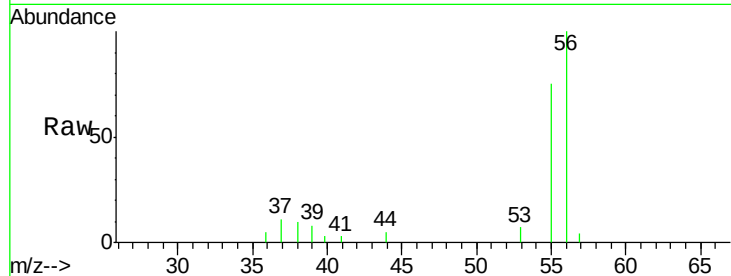
55 71.1 58.5 87.7

Manual Integrations

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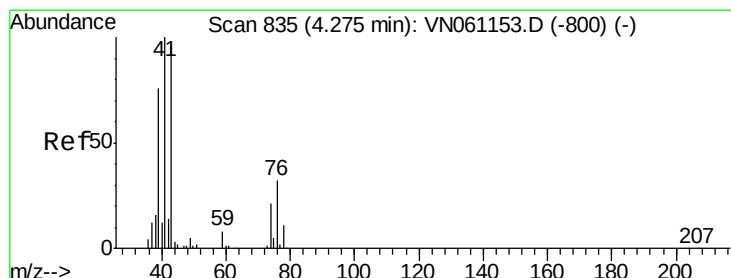
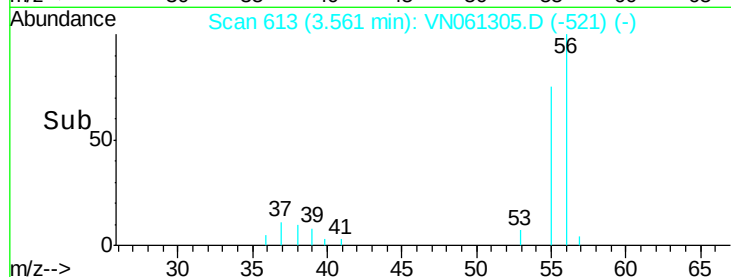
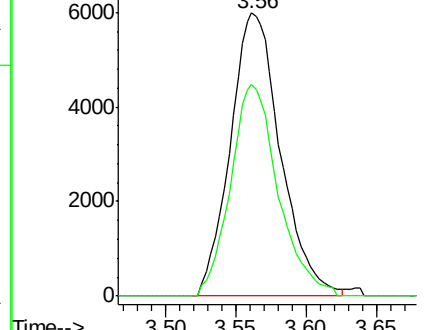
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 23.770 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

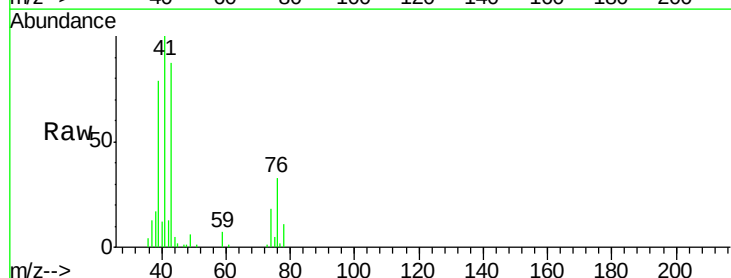
Tgt Ion: 41 Resp: 53005

Ion Ratio Lower Upper

41 100

39 70.4 57.1 85.7

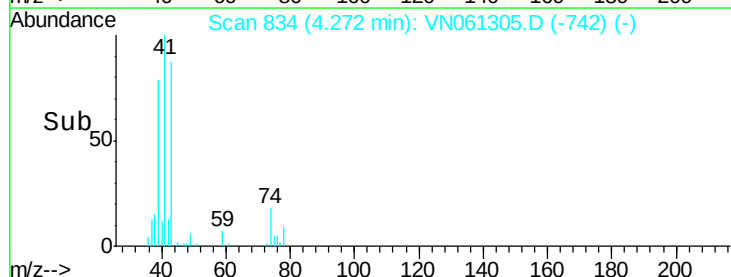
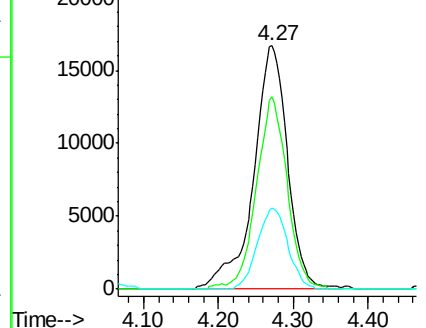
76 29.7 24.3 36.5

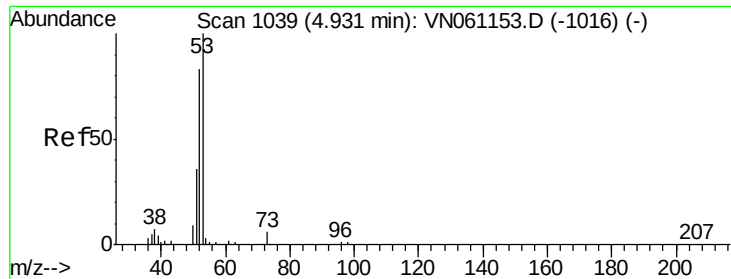


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





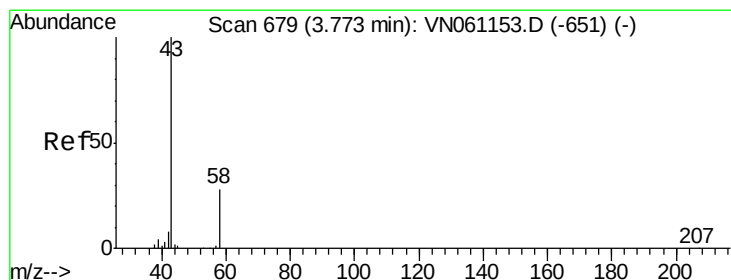
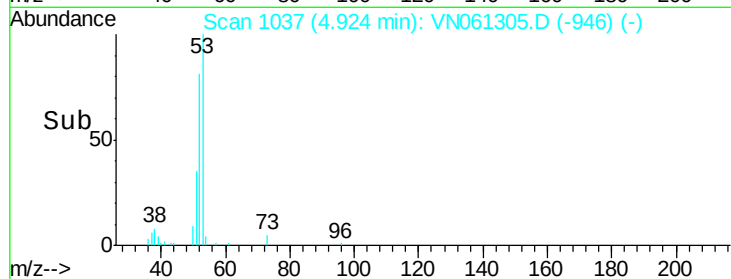
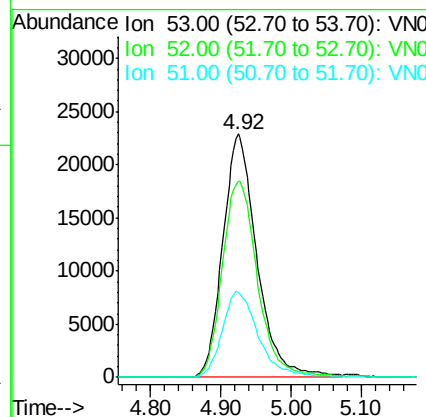
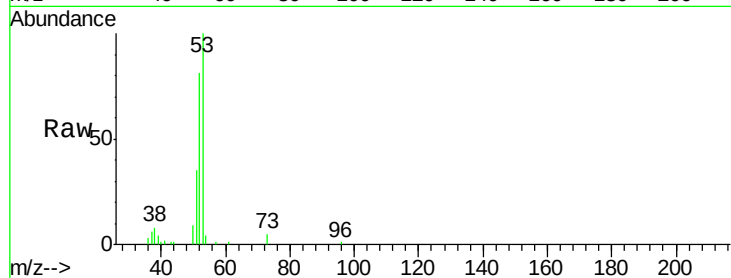
#15
 Acrylonitrile
 Concen: 103.945 ug/l
 RT: 4.92 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.4	98.0
51	37.4	29.5	44.3

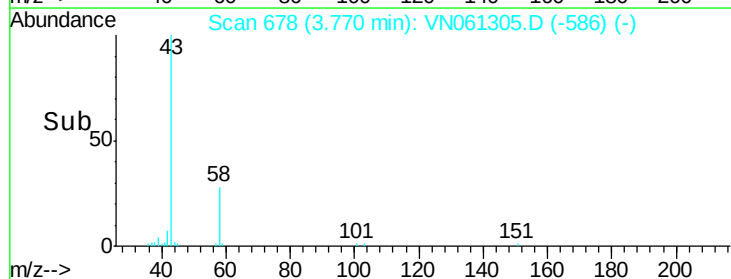
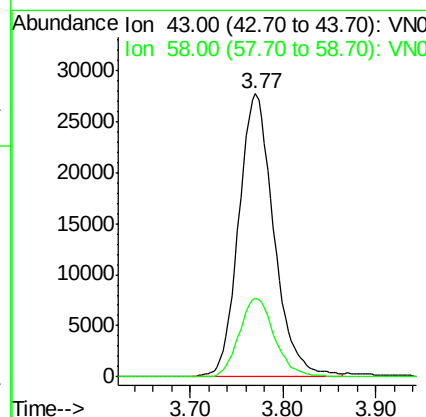
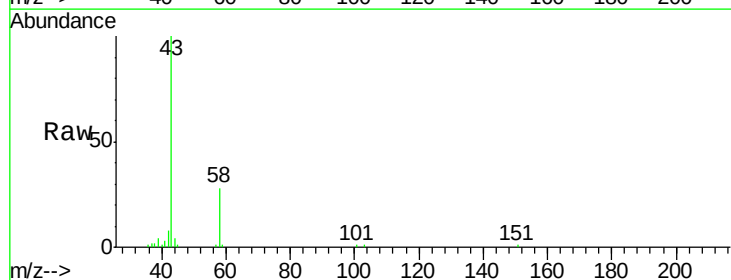
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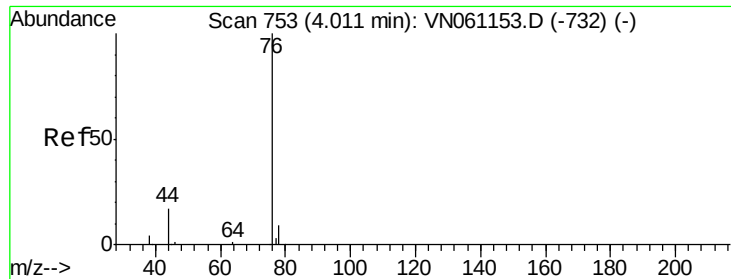
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#16
 Acetone
 Concen: 101.294 ug/l
 RT: 3.77 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.2	33.2





#17

Carbon Disulfide

Concen: 18.134 ug/l

RT: 4.00 min Scan# 751

Delta R.T. -0.01 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 76 Resp: 60245

Ion Ratio Lower Upper

76 100

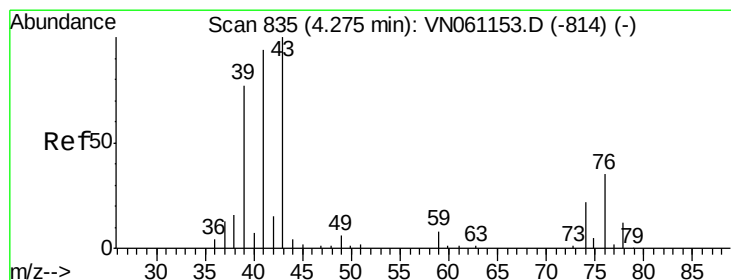
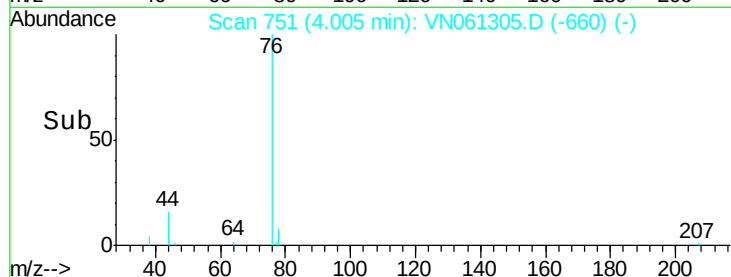
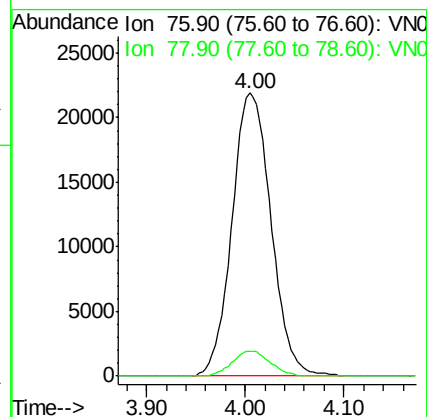
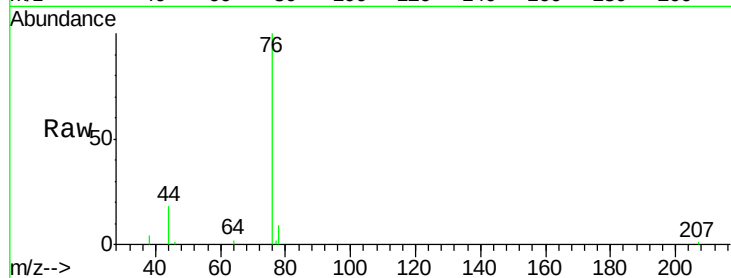
78 8.9 7.2 10.8

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#18

Methyl Acetate

Concen: 18.922 ug/l

RT: 4.27 min Scan# 834

Delta R.T. -0.00 min

Lab File: VN061305.D

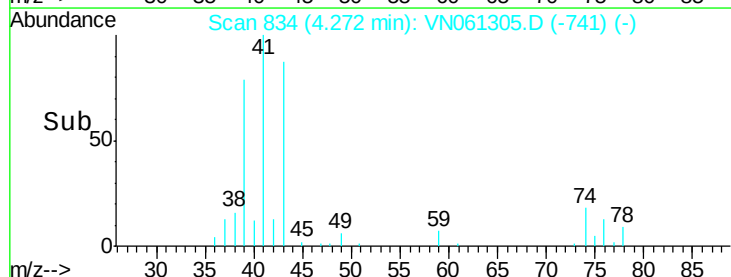
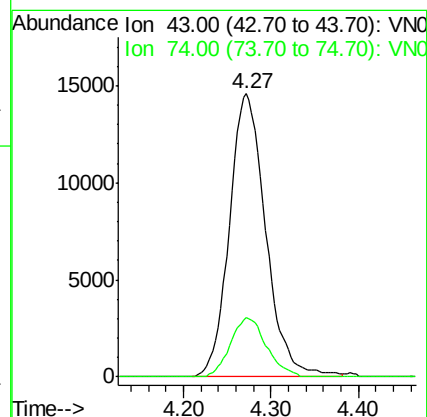
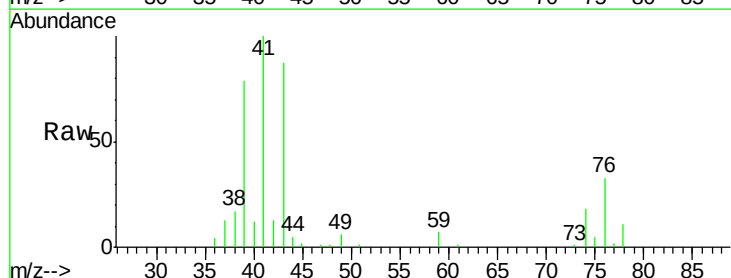
Acq: 6 May 2020 13:27

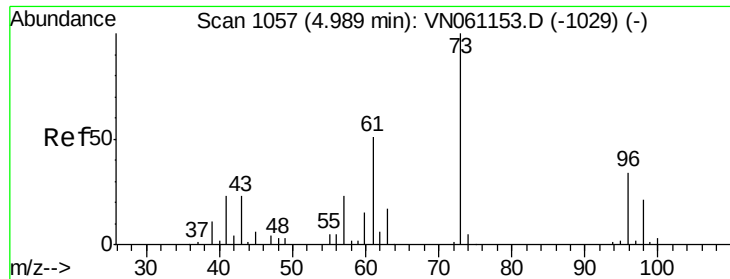
Tgt Ion: 43 Resp: 42107

Ion Ratio Lower Upper

43 100

74 20.6 17.0 25.4





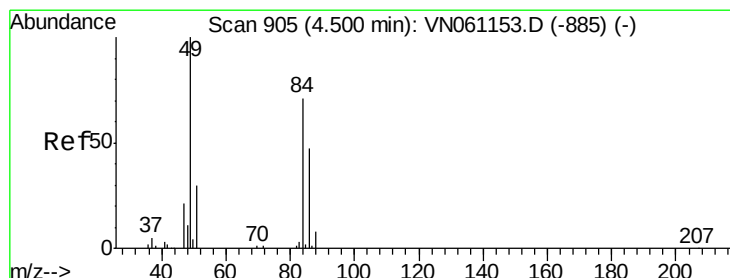
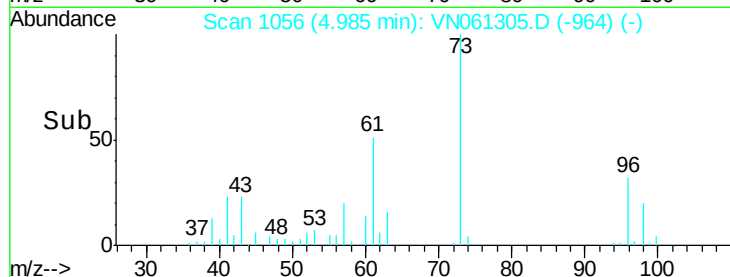
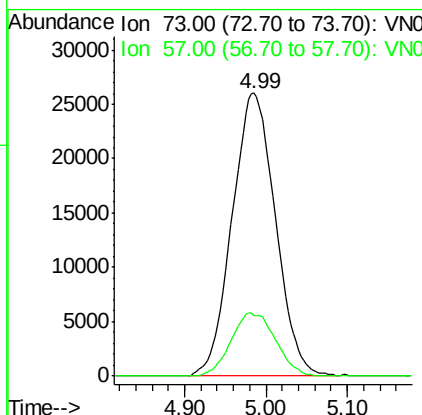
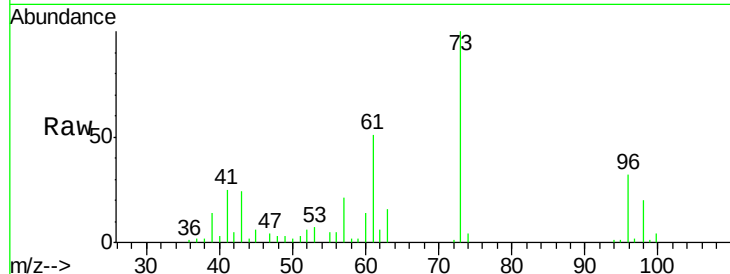
#19
Methvl tert-butyl Ether
Concen: 20.904 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion: 73 Resp: 96064
Ion Ratio Lower Upper
73 100
57 21.4 18.3 27.5

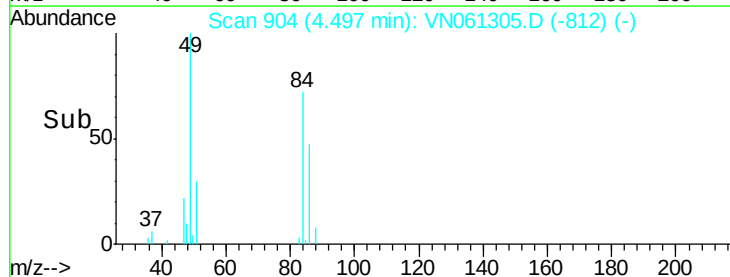
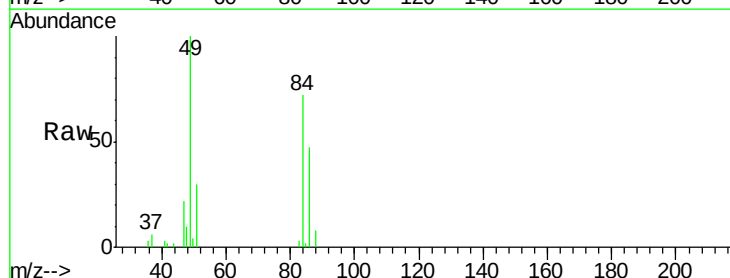
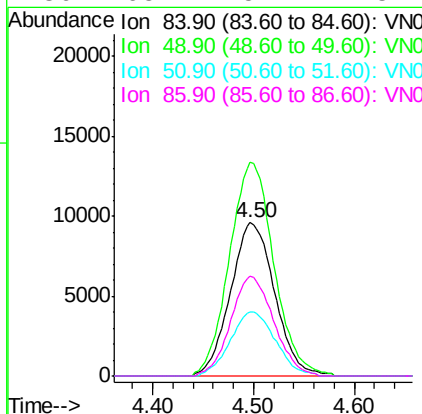
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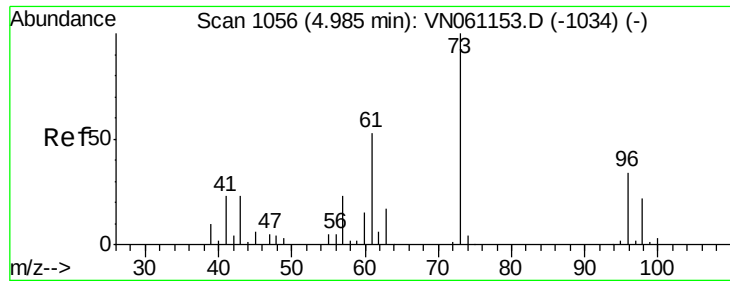
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#20
Methylene Chloride
Concen: 20.713 ug/l
RT: 4.50 min Scan# 904
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion: 84 Resp: 29131
Ion Ratio Lower Upper
84 100
49 139.5 112.0 168.0
51 41.8 33.6 50.4
86 65.2 52.1 78.1





#21

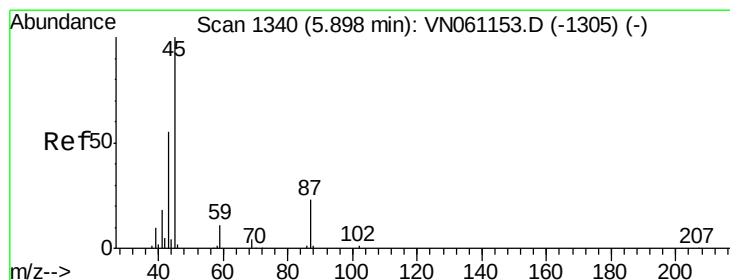
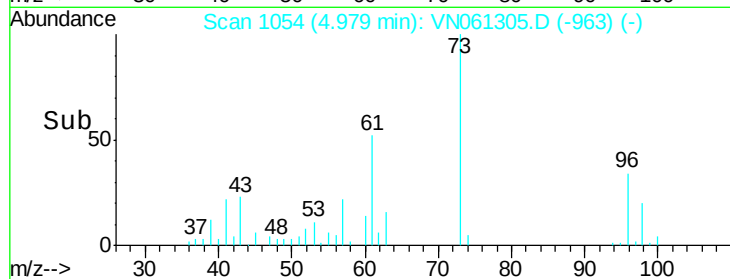
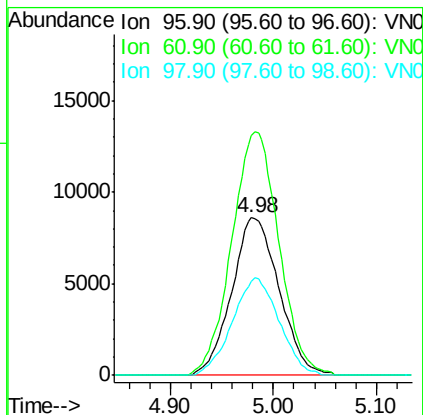
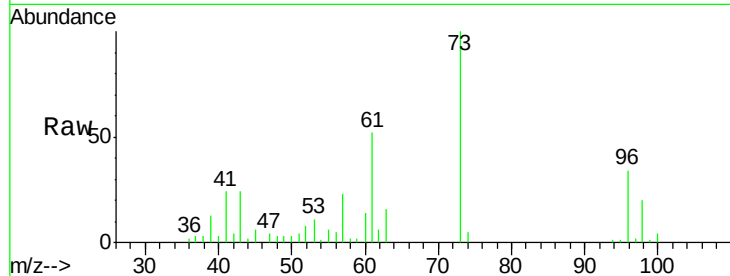
trans-1,2-Dichloroethene
Concen: 20.949 ug/l
RT: 4.98 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	123.0	184.4
98	59.8	50.1	75.1

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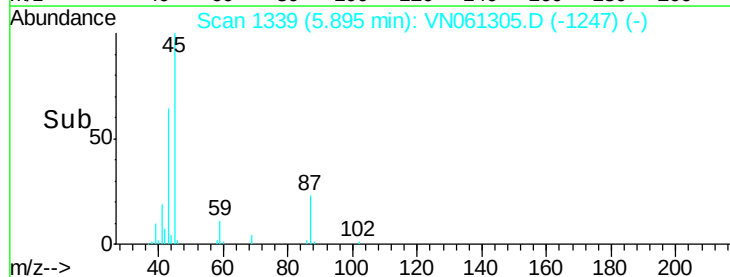
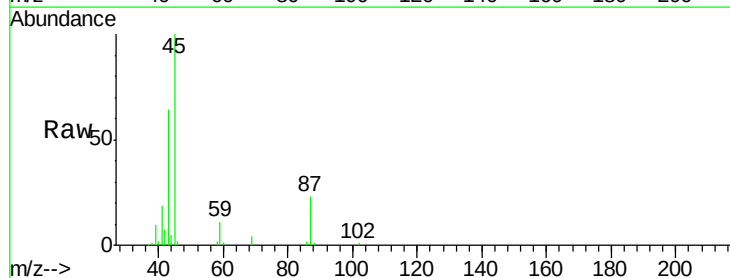
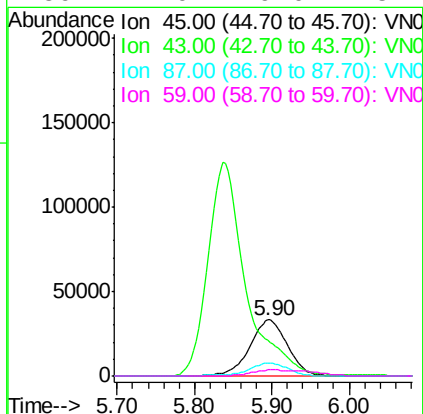
MMDadoda
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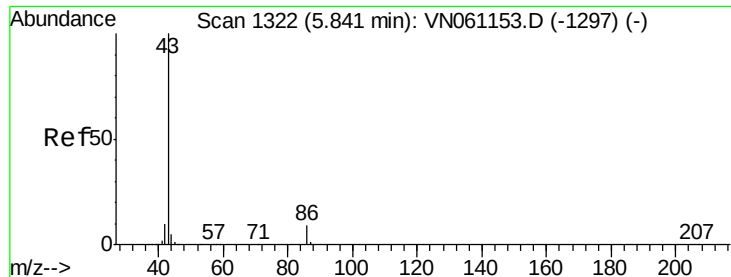


#22

Diisopropyl ether
Concen: 21.853 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.9	71.9
87	23.0	19.2	28.8
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 103.800 ug/l

RT: 5.84 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 43 Resp: 432181

Ion Ratio Lower Upper

43 100

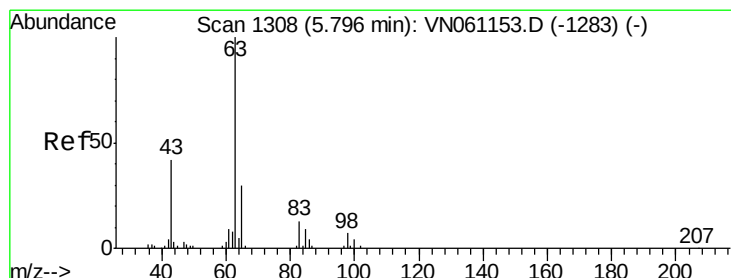
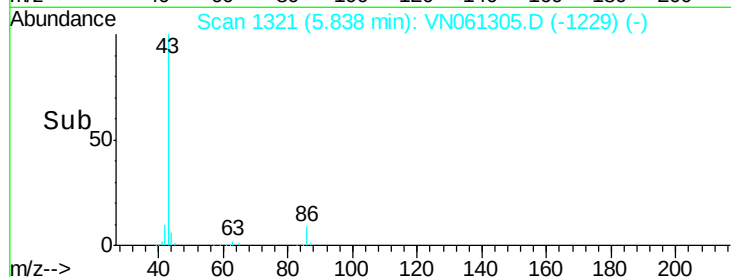
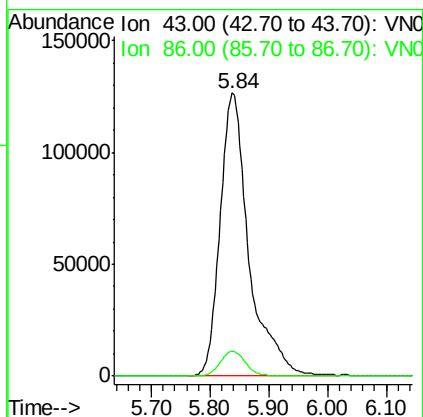
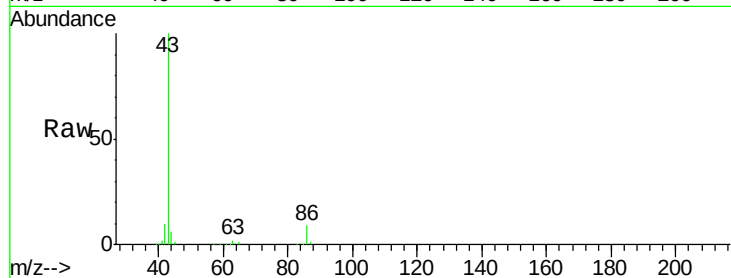
86 8.9 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 21.174 ug/l

RT: 5.79 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

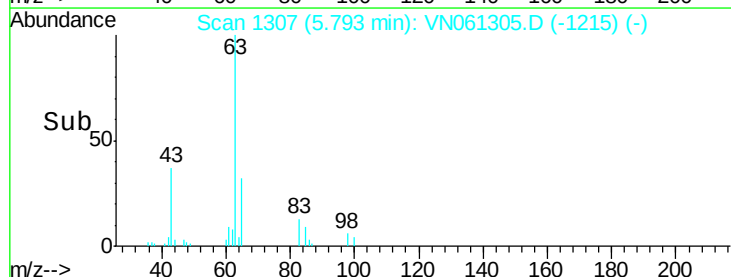
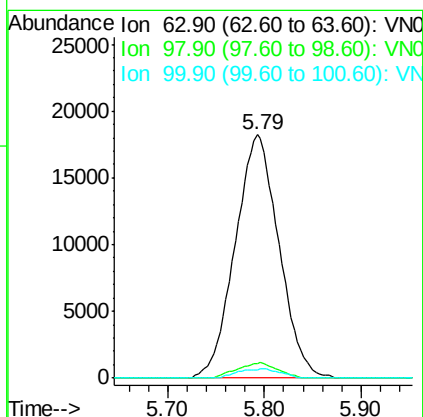
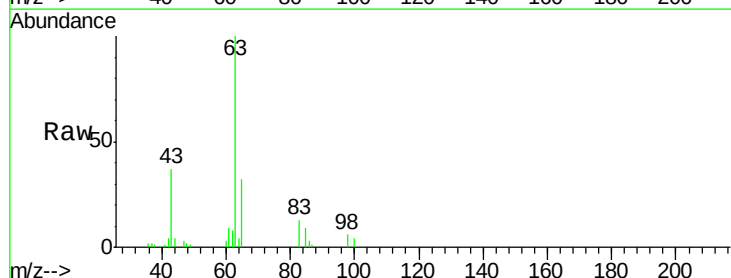
Tgt Ion: 63 Resp: 57207

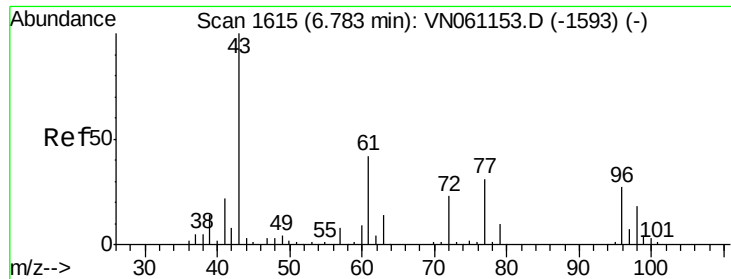
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 3.5 1.9 5.7





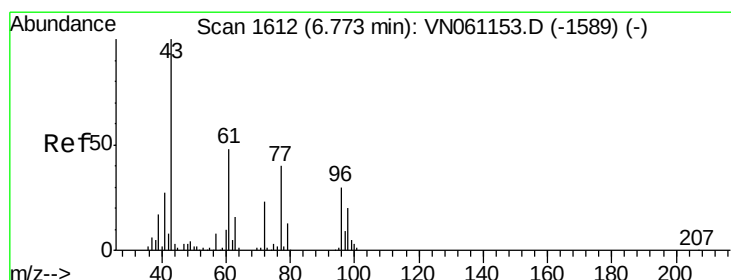
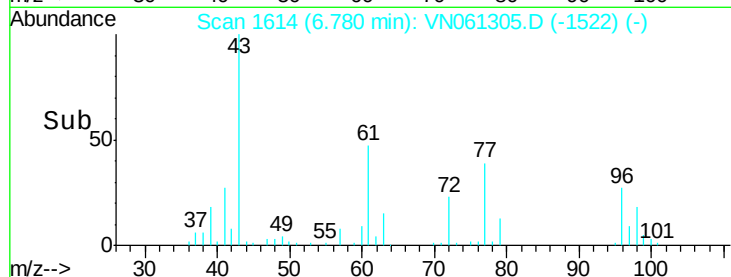
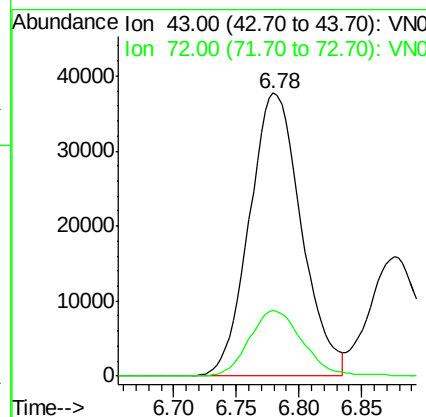
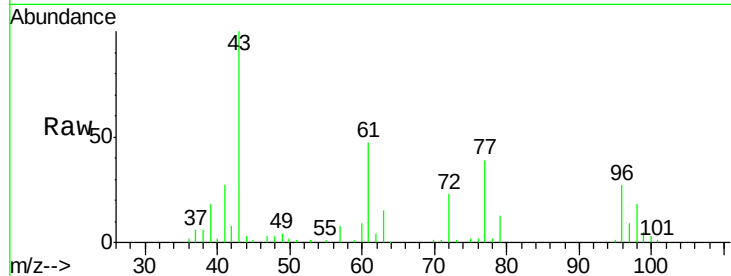
#25
2-Butanone
Concen: 102.138 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion: 43 Resp: 109007
Ion Ratio Lower Upper
43 100
72 23.1 18.2 27.4

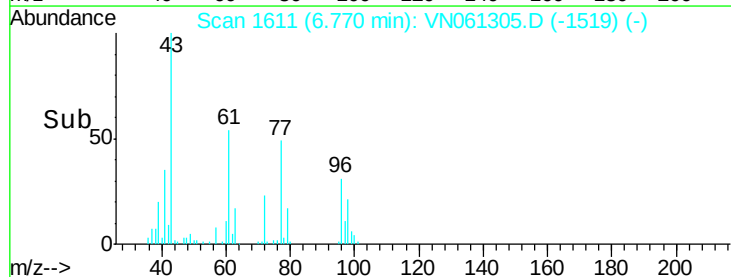
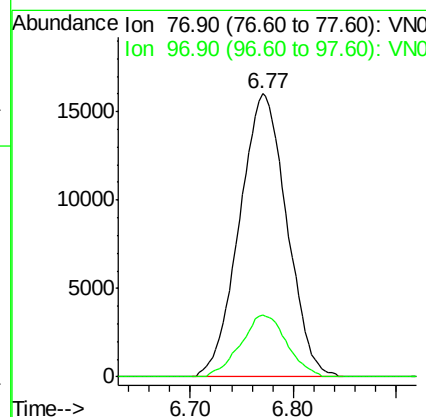
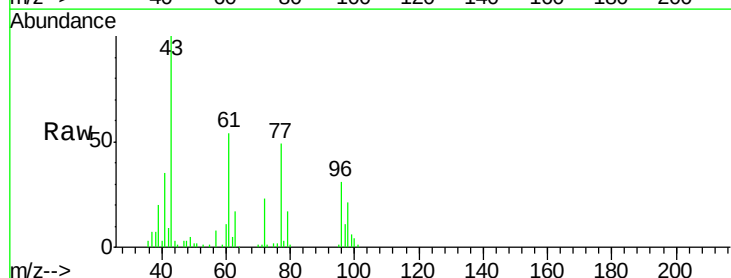
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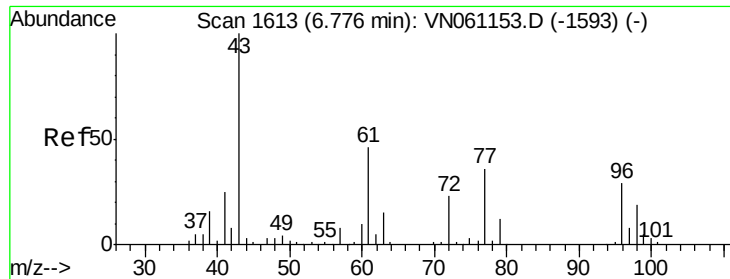
MMDadoda
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#26
2,2-Dichloropropane
Concen: 22.441 ug/l
RT: 6.77 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion: 77 Resp: 51068
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 20.285 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

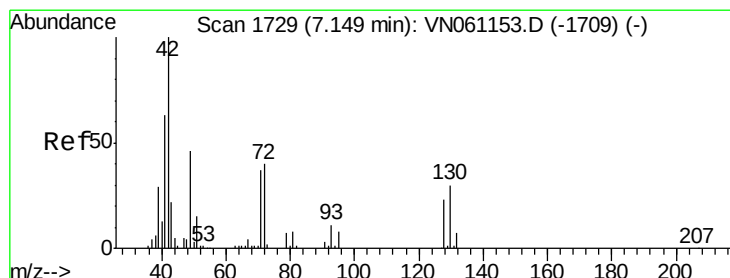
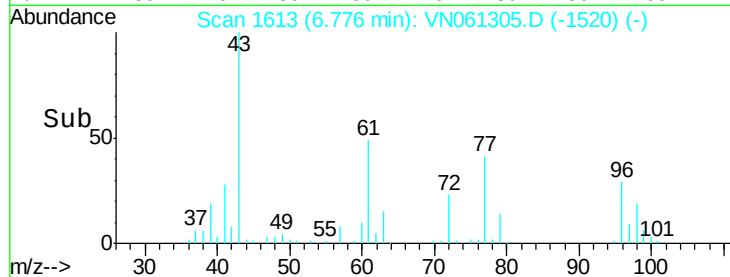
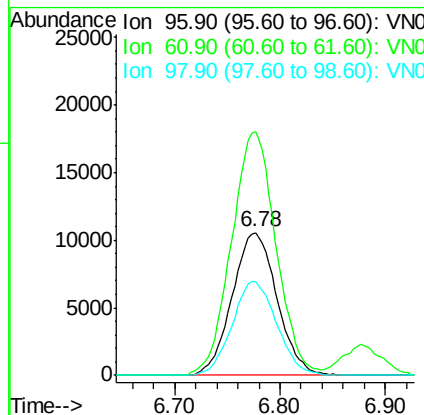
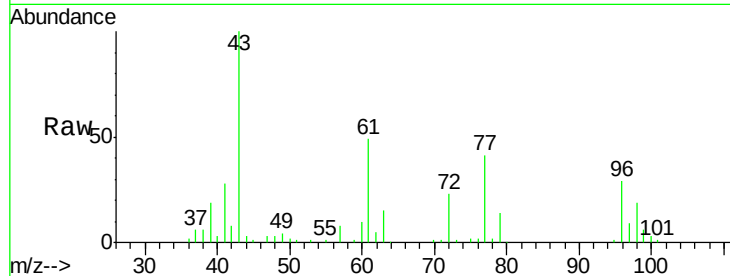
ClientSampleId :

VN0506WBS01

Tot Ion:	96	Resp:	31174
Ion	Ratio	Lower	Upper
96	100		
61	169.1	0.0	322.0
98	65.3	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 23.573 ug/l

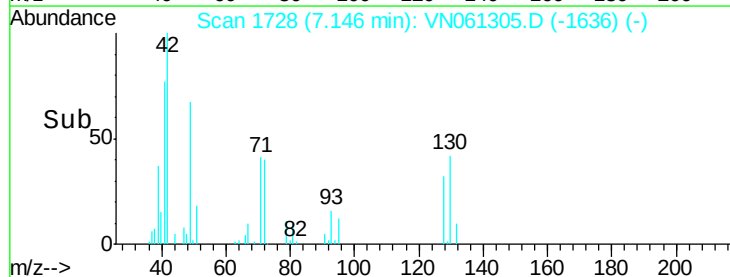
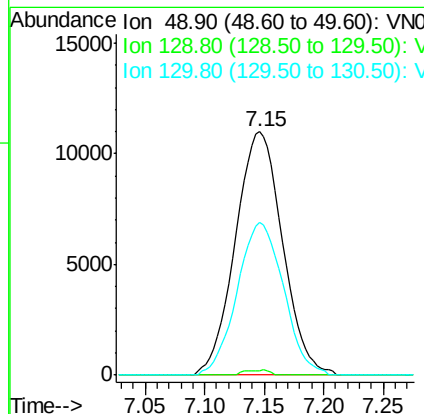
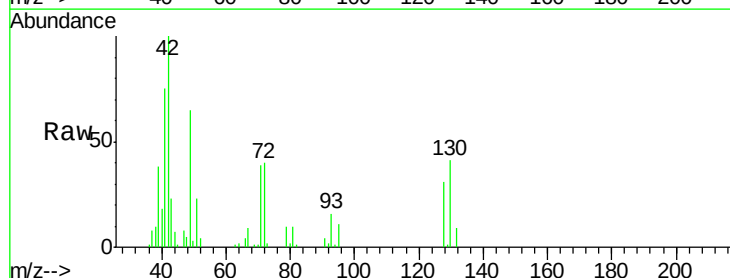
RT: 7.15 min Scan# 1728

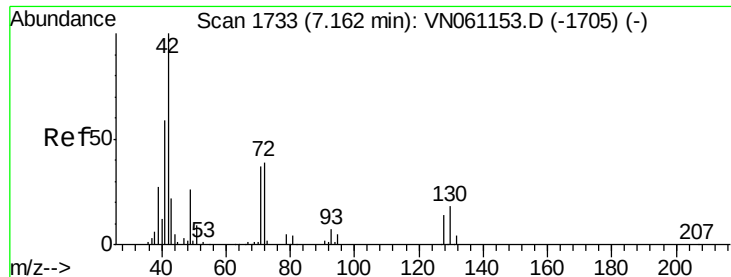
Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion:	49	Resp:	30187
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.0
130	61.5	51.4	77.2





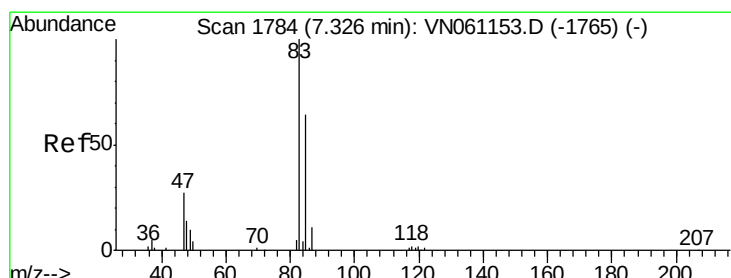
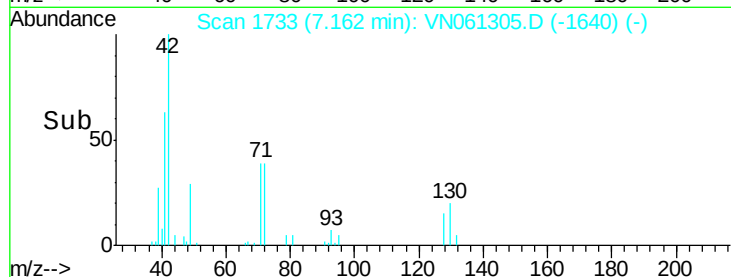
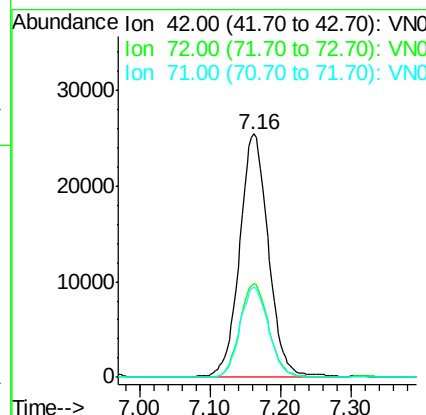
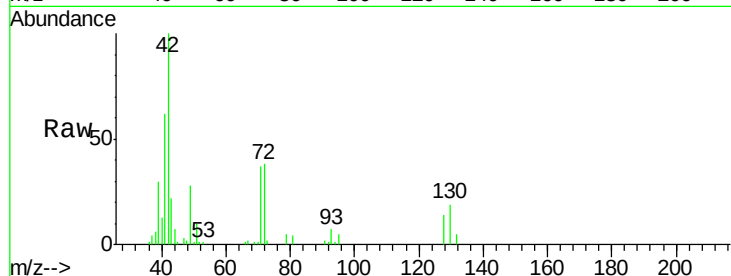
#29
Tetrahydrofuran
Concen: 101.393 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.4	47.0
71	36.3	29.5	44.3

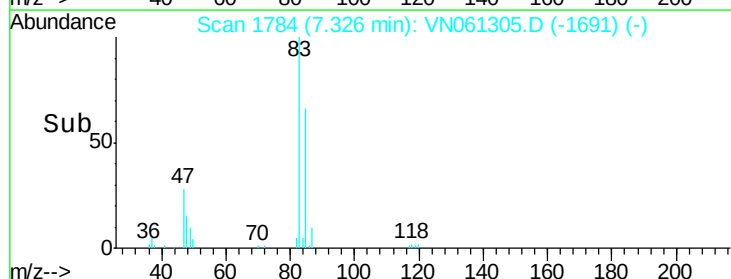
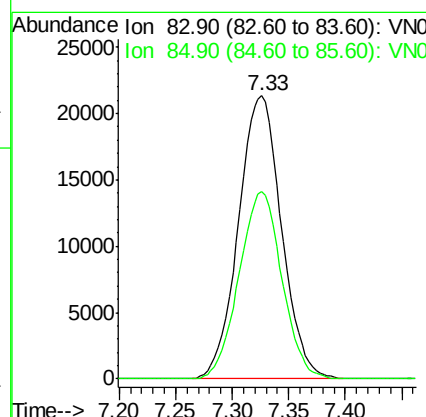
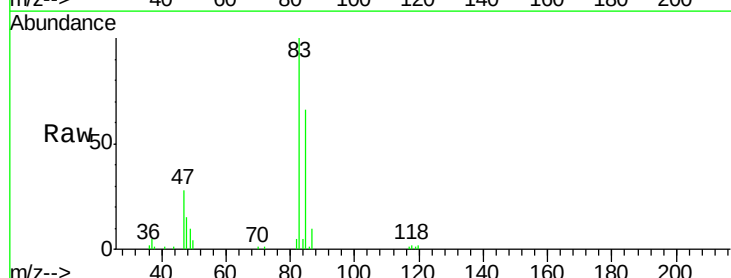
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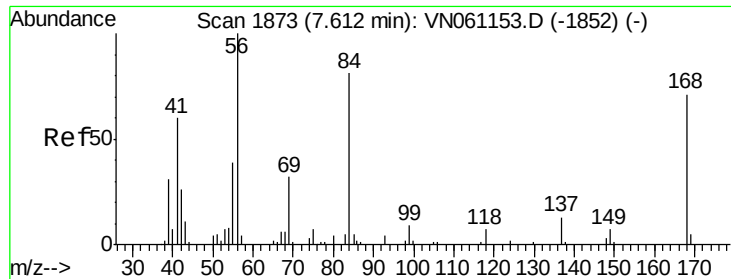
MMDadoda
5/7/2020 10:36:29 AM



#30
Chloroform
Concen: 20.612 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.1	76.7





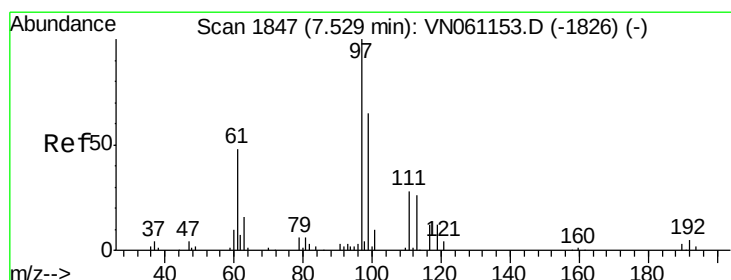
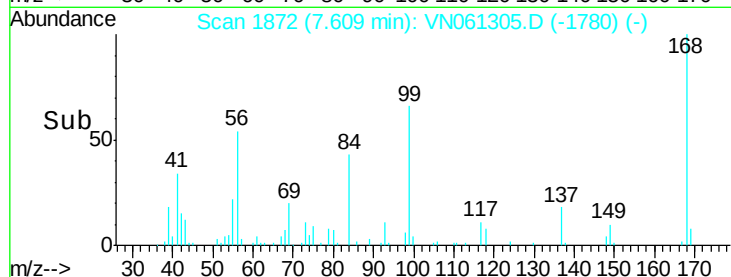
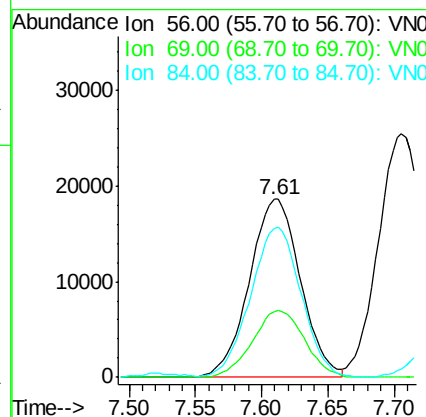
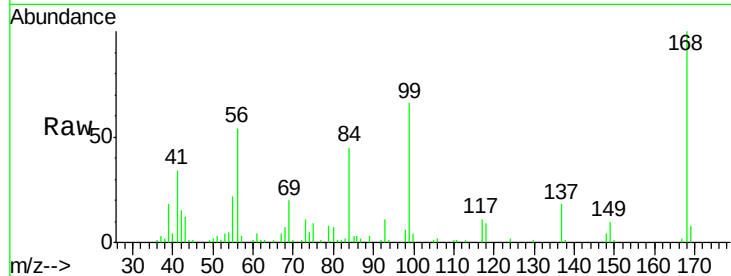
#31
Cyclohexane
Concen: 19.081 ug/l
RT: 7.61 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	25.7	38.5
84	82.8	64.6	97.0

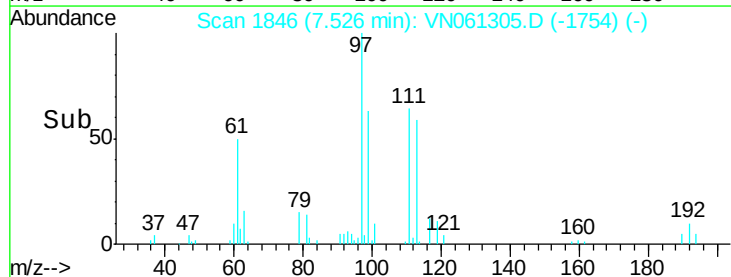
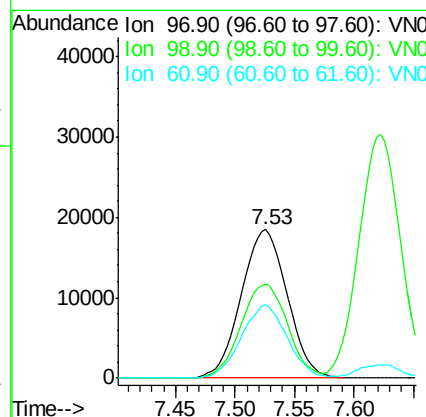
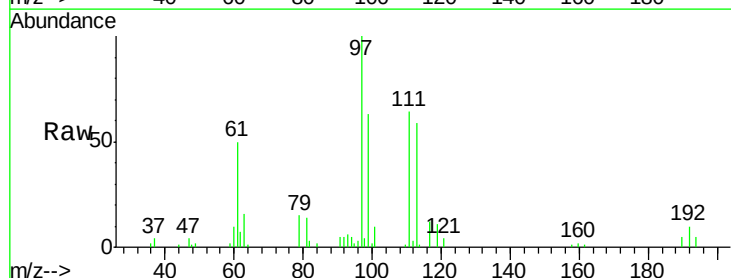
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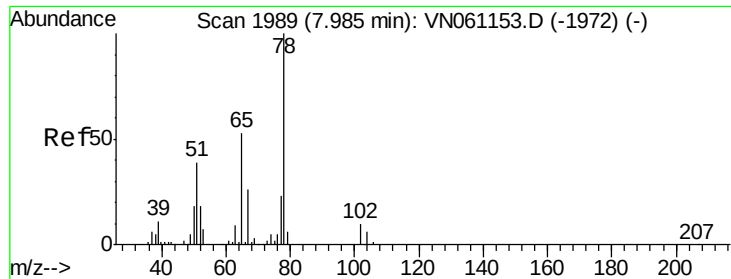
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.745 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	49.3	38.6	57.8





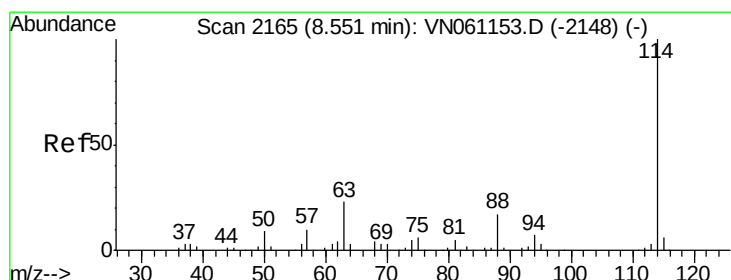
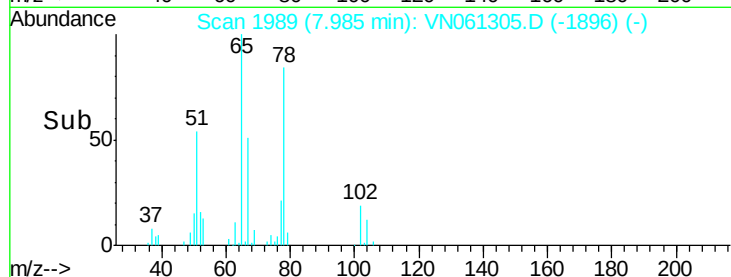
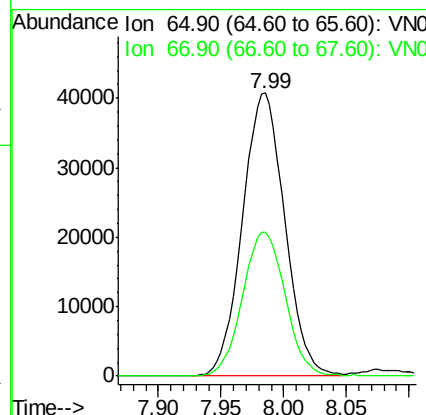
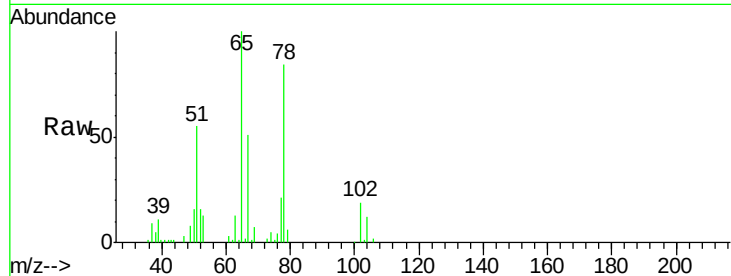
#33
 1,2-Dichloroethane-d4
 Concen: 53.030 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	101.6	

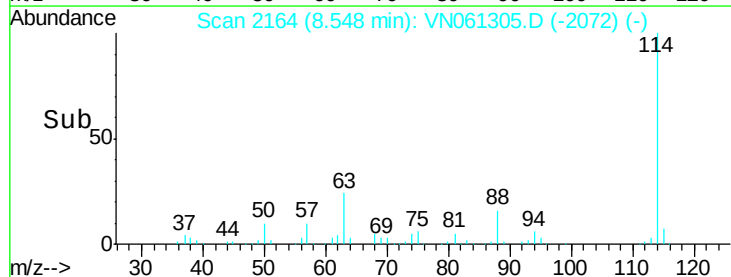
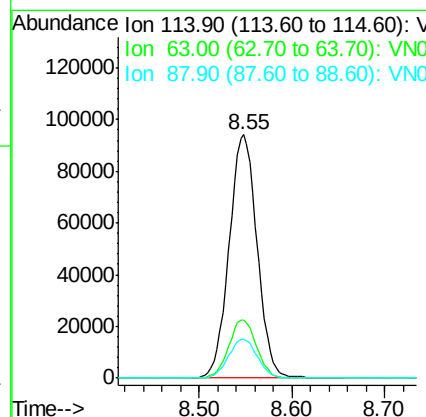
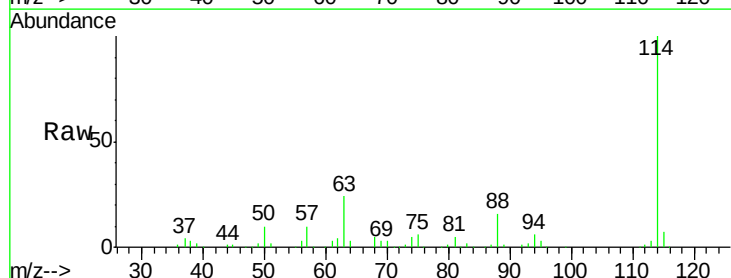
Manual Integrations
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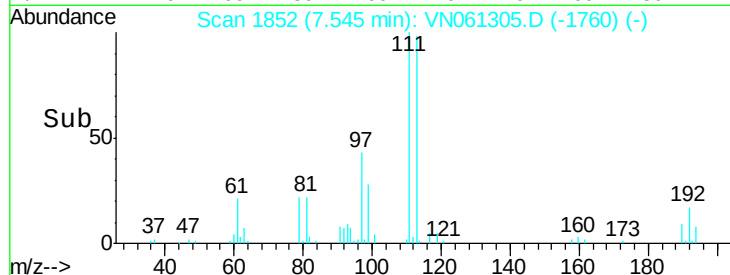
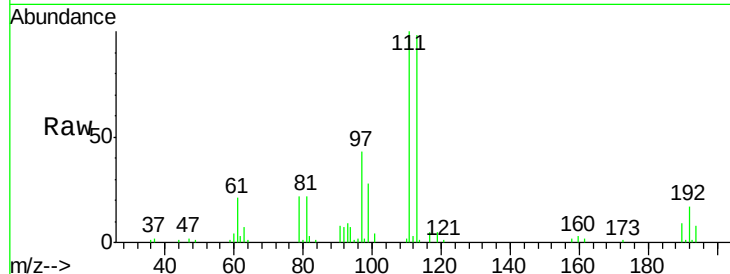
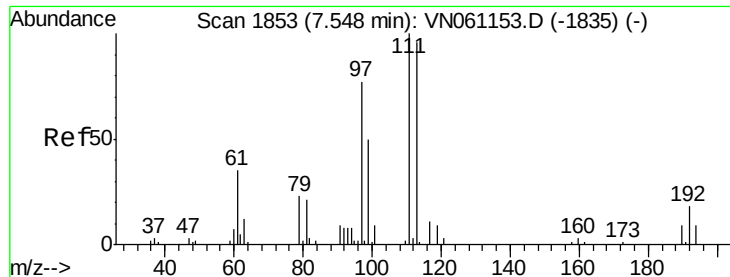
MMDadoda
 5/7/2020 10:36:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.8	0.0	46.6	
88	16.0	0.0	33.4	





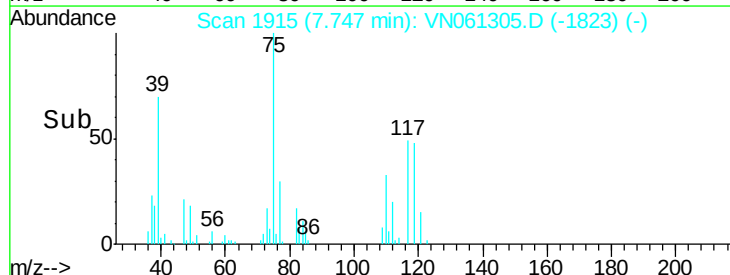
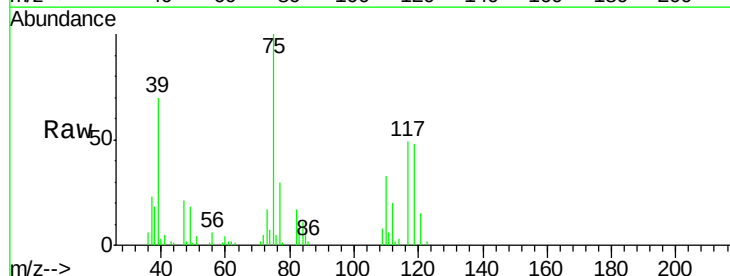
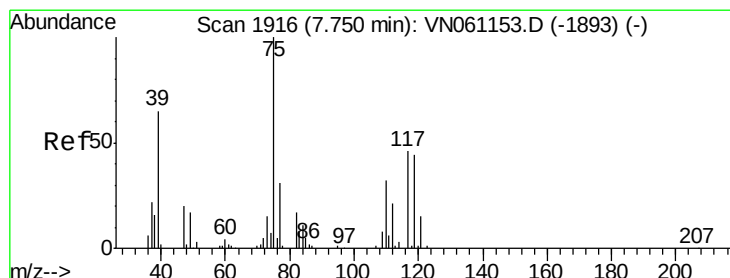
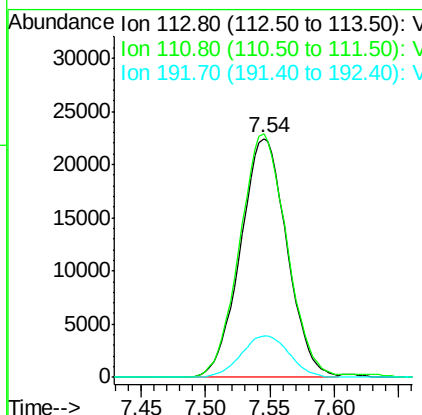
#35
Dibromofluoromethane
Concen: 48.446 ug/l
RT: 7.54 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	17.9	14.7	22.1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

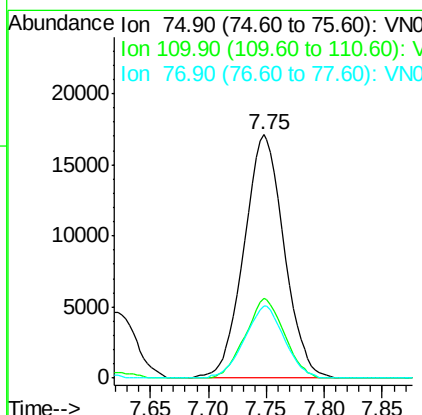
Manual Integrations
APPROVED

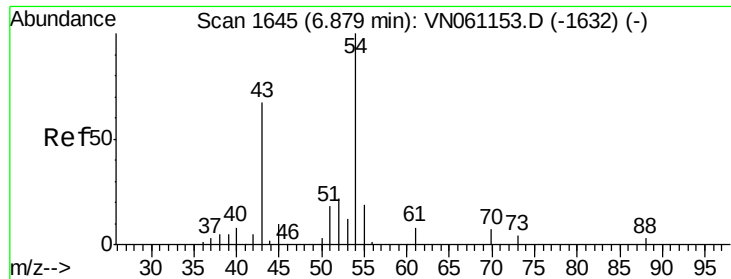
MMDadoda
5/7/2020 10:36:29 AM



#36
1,1-Dichloropropene
Concen: 20.961 ug/l
RT: 7.75 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.0	48.0
77	29.4	24.6	37.0





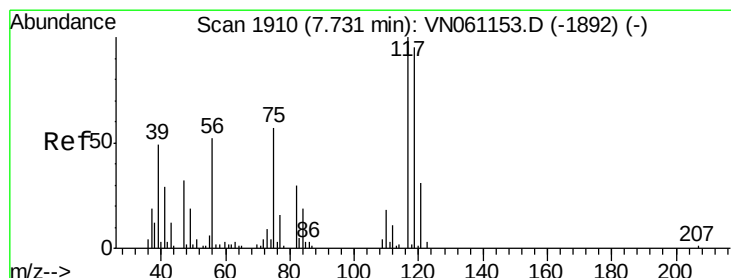
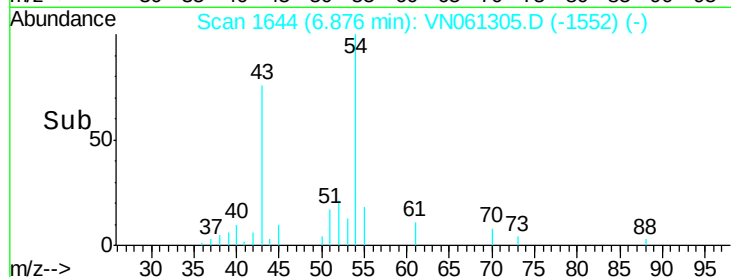
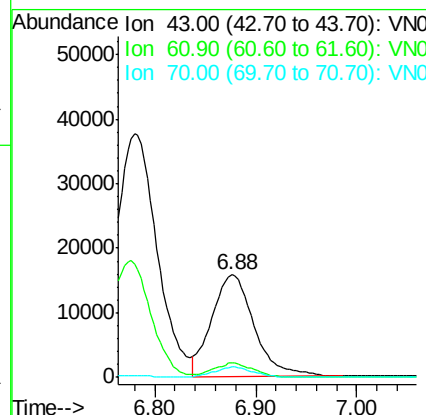
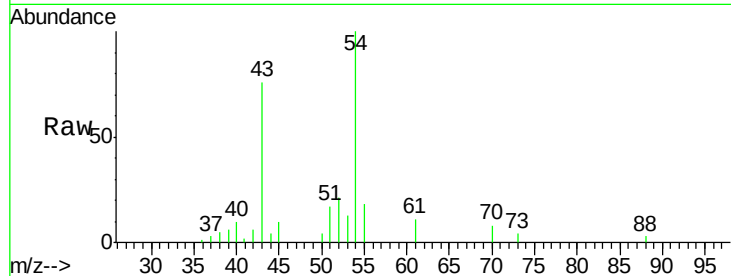
#37
Ethyl Acetate
Concen: 19.853 ug/l
RT: 6.88 min Scan# 1644
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	9.0	7.2	10.8

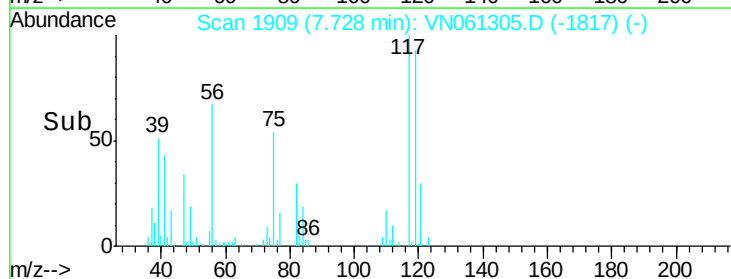
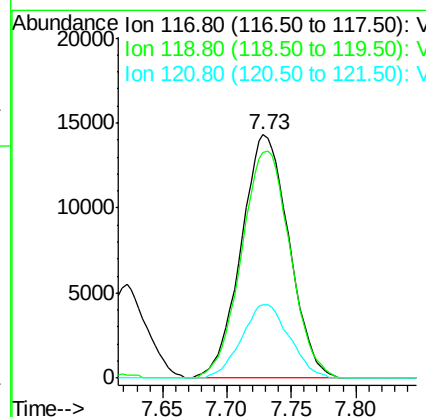
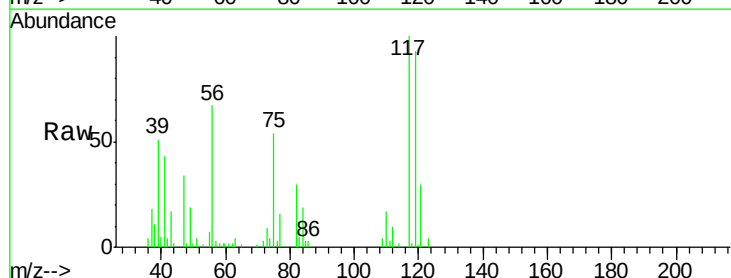
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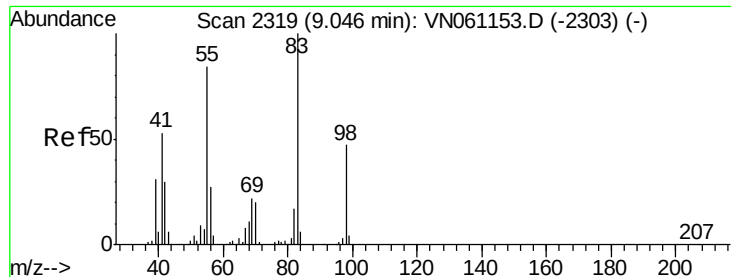
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.923 ug/l
RT: 7.73 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.6
121	30.4	24.7	37.1





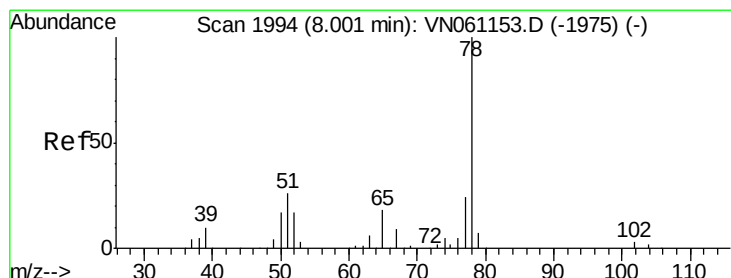
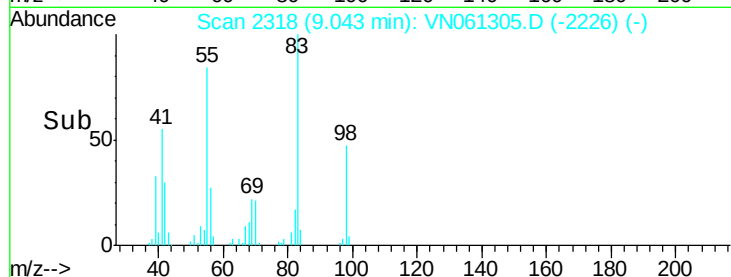
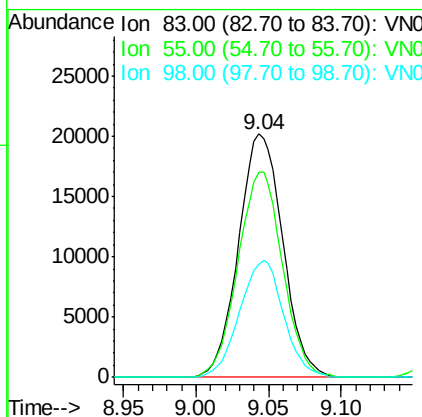
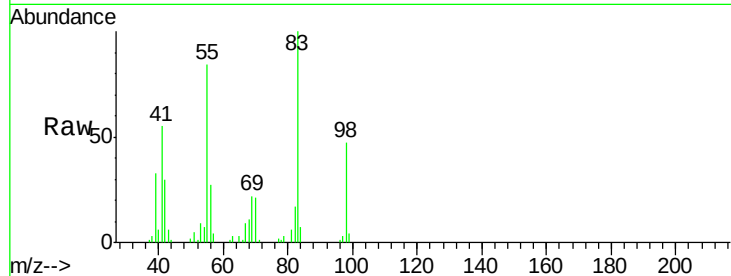
#39
Methylvlcyclohexane
Concen: 19.413 ug/l
RT: 9.04 min Scan# 2318
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	83	Resp	42861
Ion	Ratio	Lower	Upper
83	100		
55	84.4	67.3	100.9
98	46.7	37.7	56.5

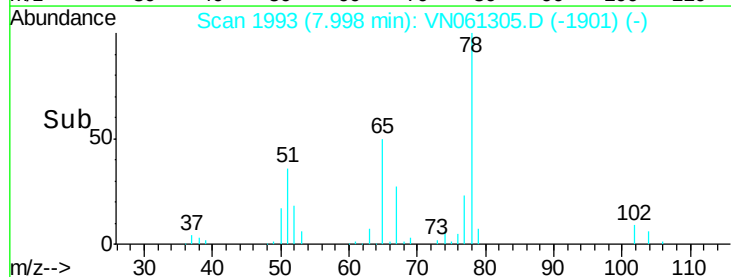
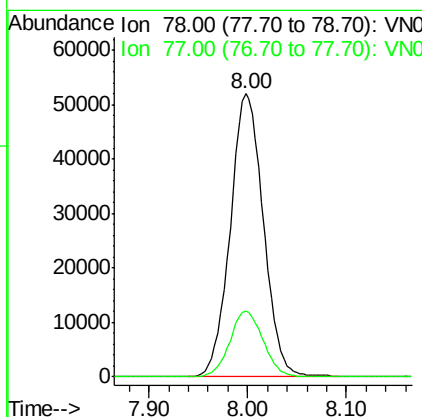
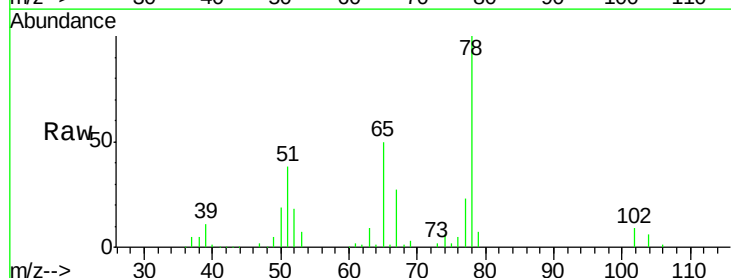
Manual Integrations
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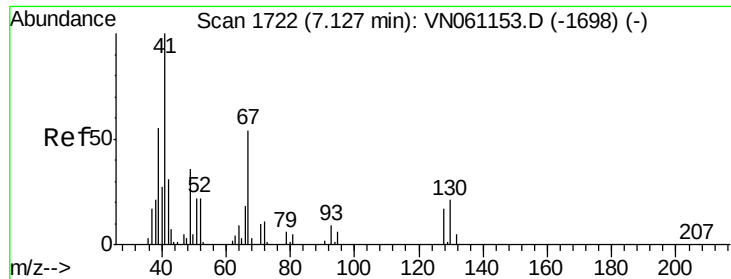
MMDadoda
5/7/2020 10:36:29 AM



#40
Benzene
Concen: 20.755 ug/l
RT: 8.00 min Scan# 1993
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	78	Resp	121731
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





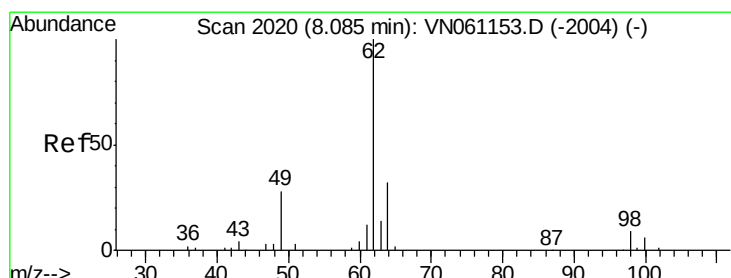
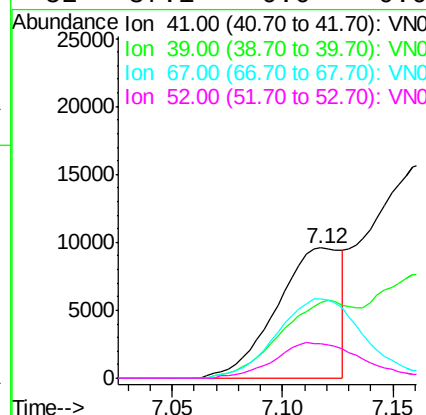
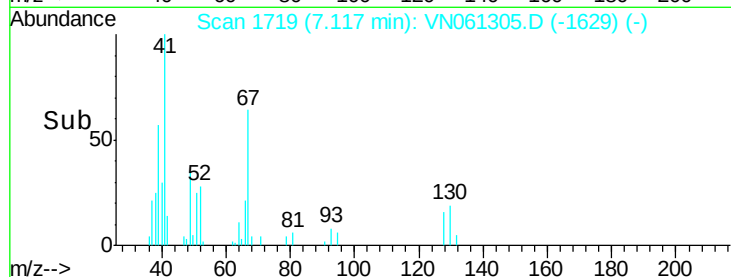
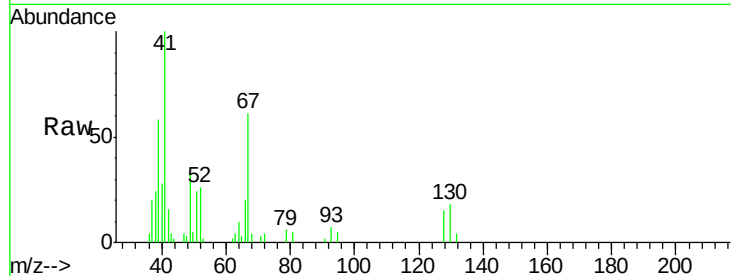
#41
Methacrylonitrile
Concen: 20.396 ug/l
RT: 7.12 min Scan# 1719
Delta R.T. -0.01 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.1	0.0	0.0#
67	82.8	0.0	0.0#
52	37.1	0.0	0.0#

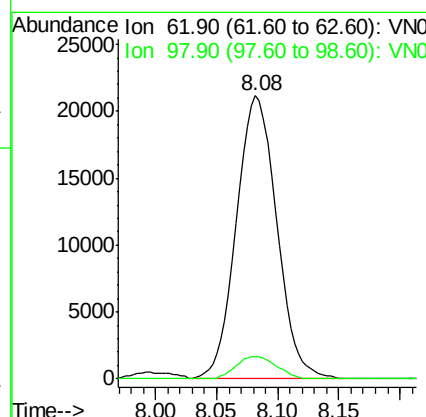
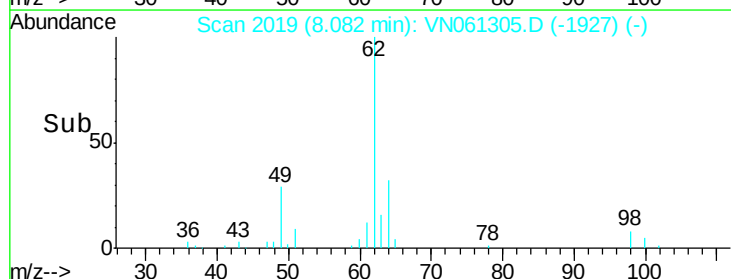
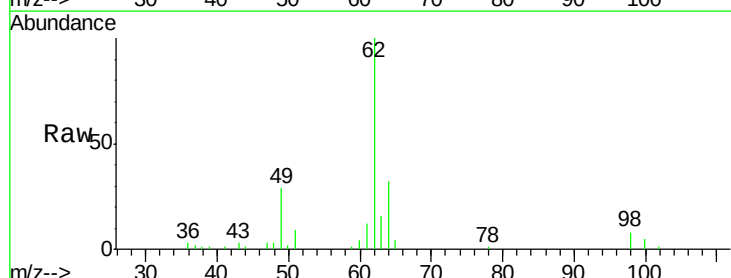
Manual Integrations
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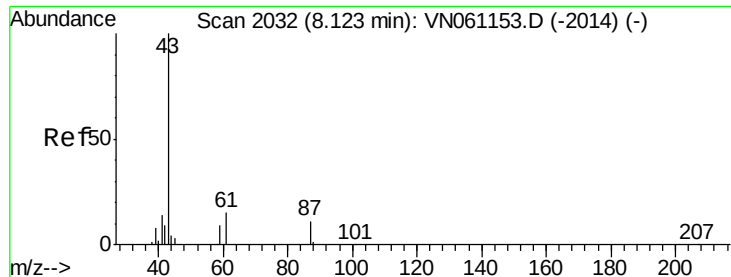
MMDadoda
5/7/2020 10:36:29 AM



#42
1,2-Dichloroethane
Concen: 21.931 ug/l
RT: 8.08 min Scan# 2019
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.8





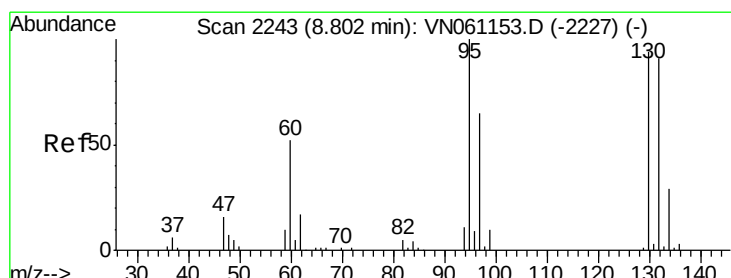
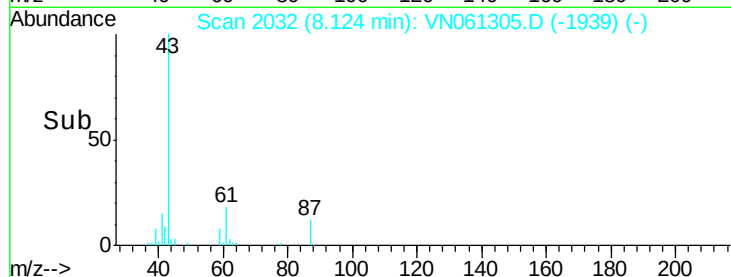
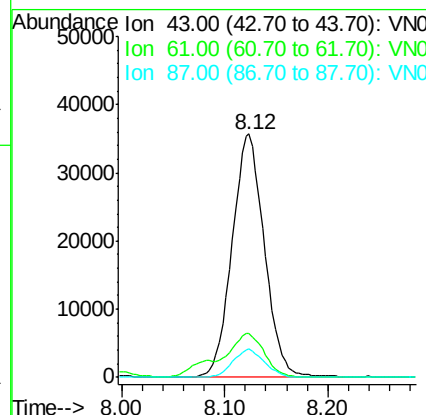
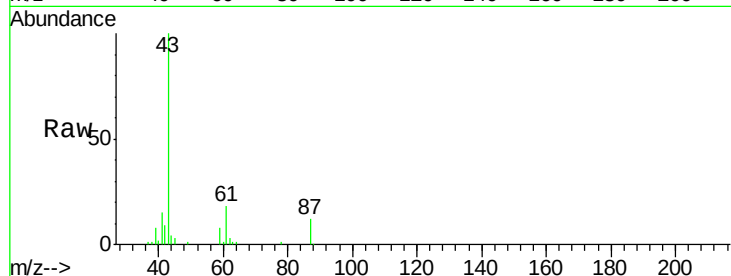
#43
Isopropyl Acetate
Concen: 20.327 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	19.5	29.3#
87	11.2	8.9	13.3

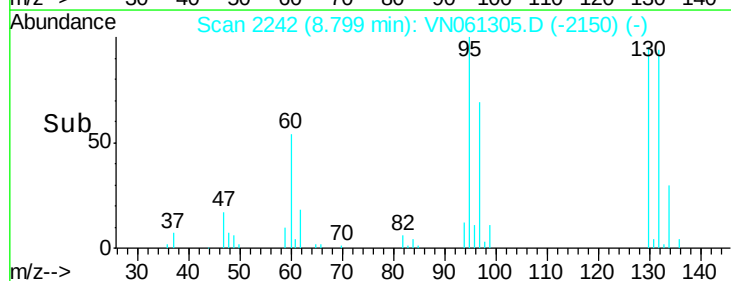
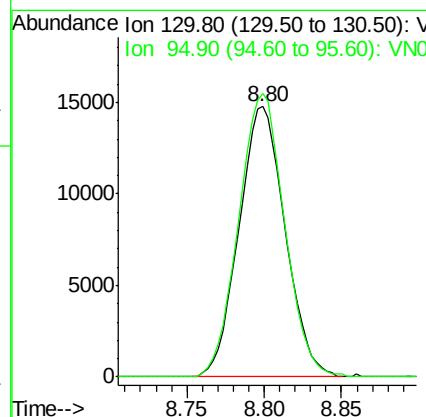
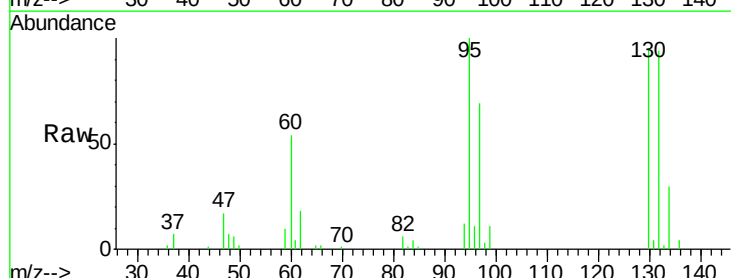
Manual Integrations
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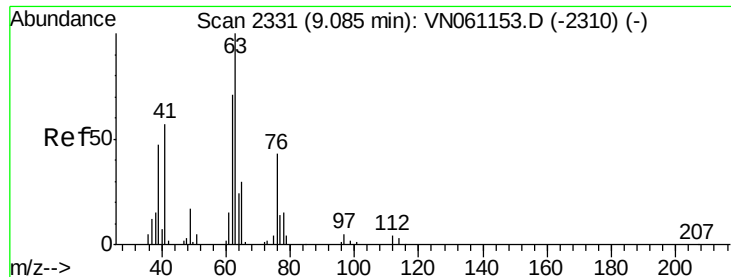
MMDadoda
5/7/2020 10:36:29 AM



#44
Trichloroethene
Concen: 19.309 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	212.4





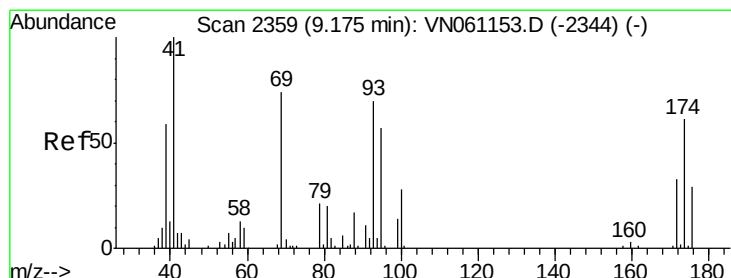
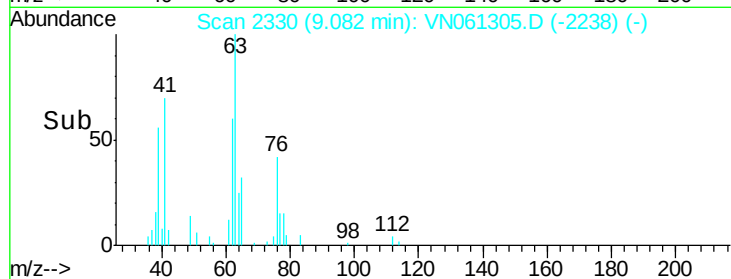
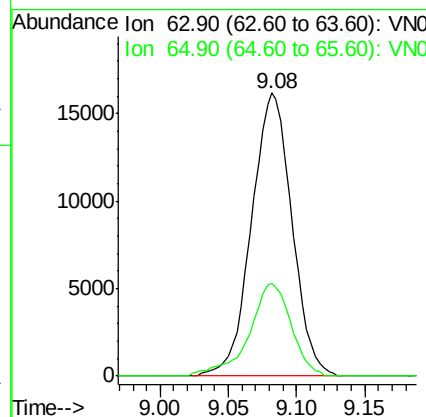
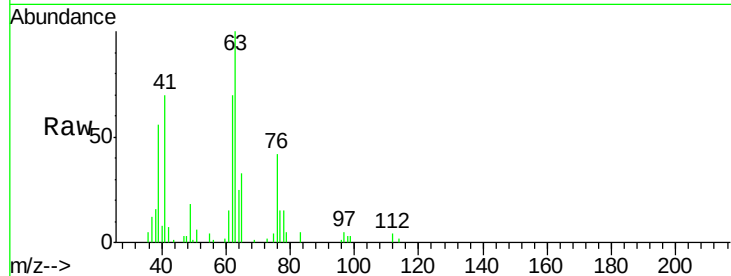
#45
 1,2-Dichloropropane
 Concen: 21.238 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion: 63 Resp: 33279
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.7 37.1

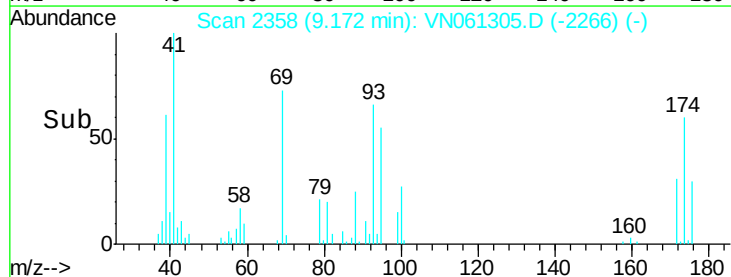
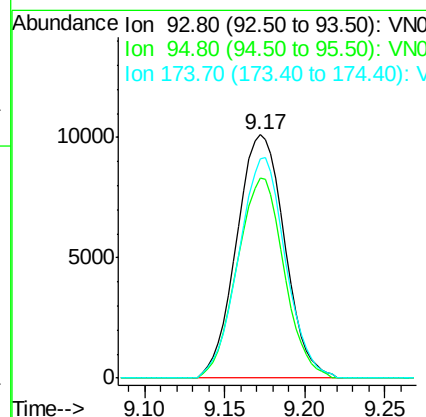
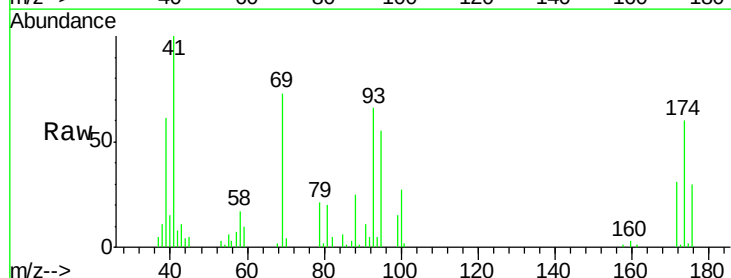
Manual Integrations
 APPROVED

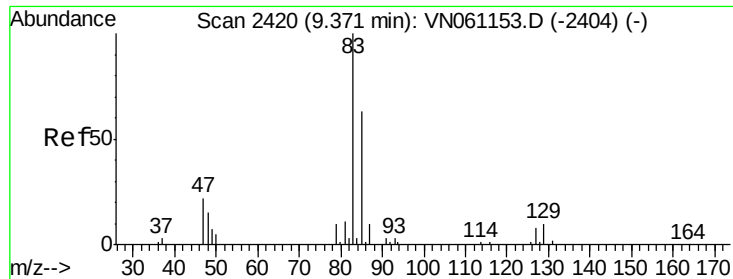
MMDadoda
 5/7/2020 10:36:29 AM



#46
 Dibromomethane
 Concen: 21.497 ug/l
 RT: 9.17 min Scan# 2358
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion: 93 Resp: 20857
 Ion Ratio Lower Upper
 93 100
 95 79.9 66.6 99.8
 174 88.2 70.2 105.2





#47

Bromodichloromethane

Concen: 21.691 ug/l

RT: 9.37 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

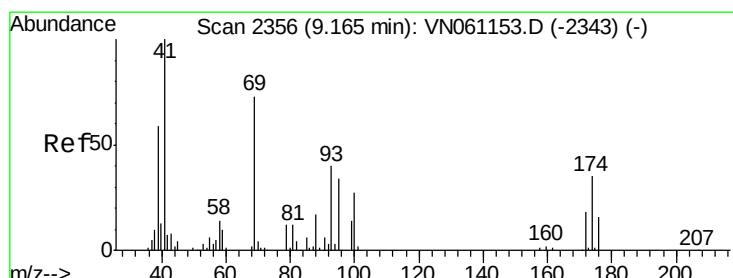
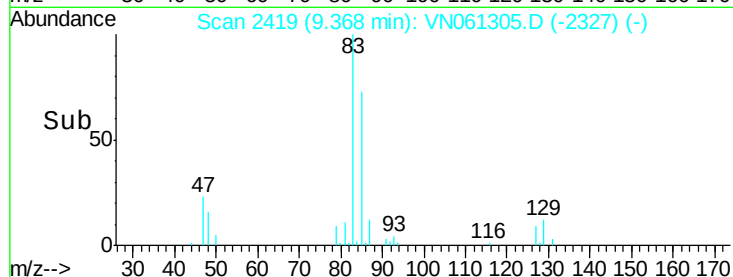
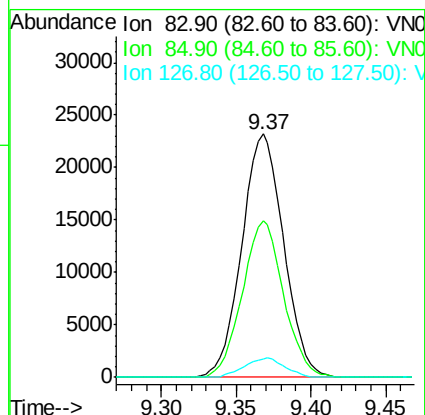
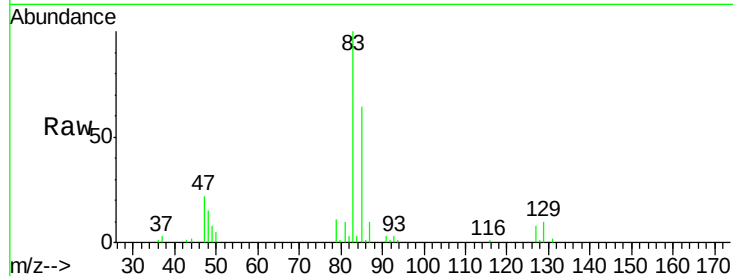
ClientSampled :

VN0506WBS01

Tot Ion:	83	Resp:	45170
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6
127	7.7	6.2	9.2

Manual Integrations
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MMDadoda
5/7/2020 10:36:29 AM



#48

Methyl methacrylate

Concen: 20.217 ug/l

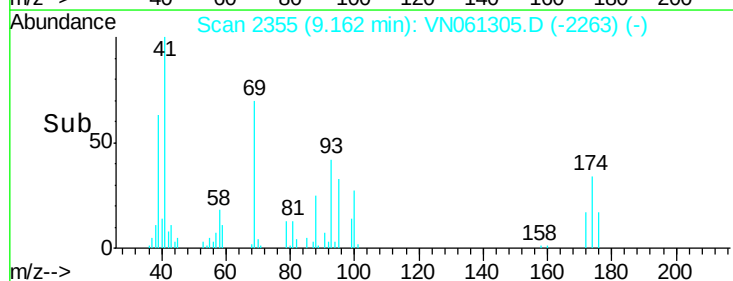
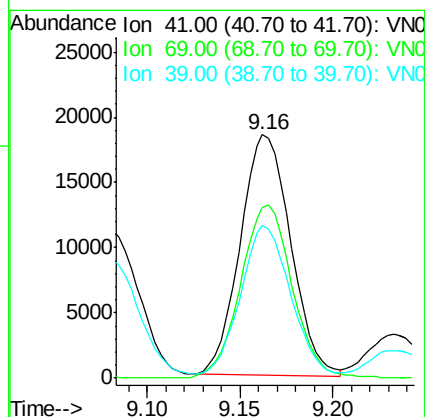
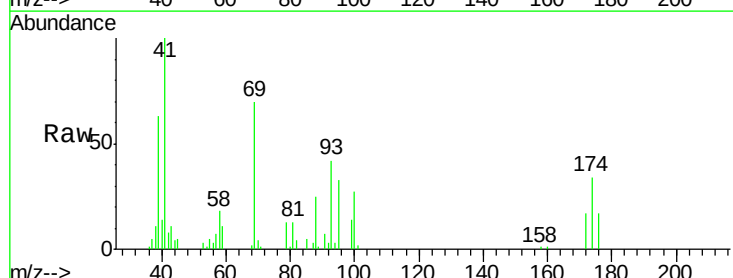
RT: 9.16 min Scan# 2355

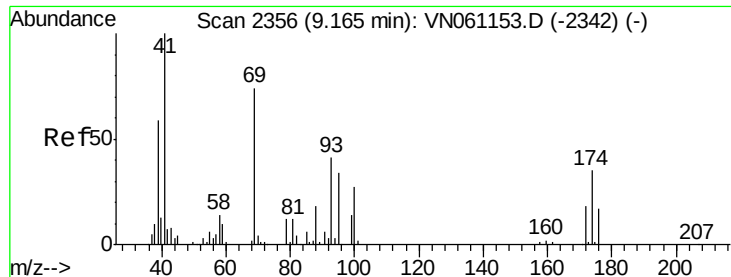
Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion:	41	Resp:	34945
Ion	Ratio	Lower	Upper
41	100		
69	73.8	60.3	90.5
39	64.1	47.4	71.0





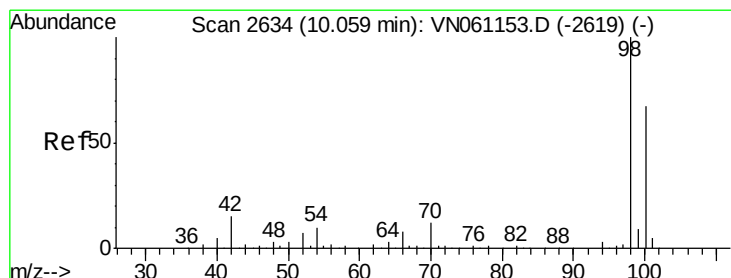
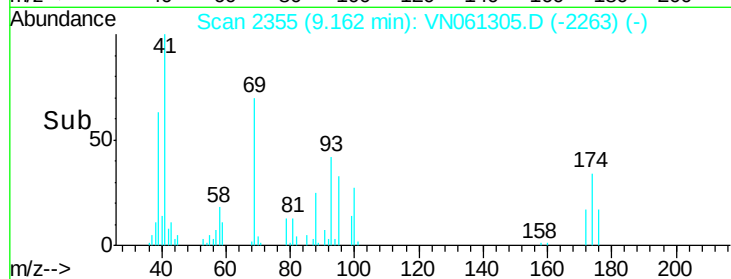
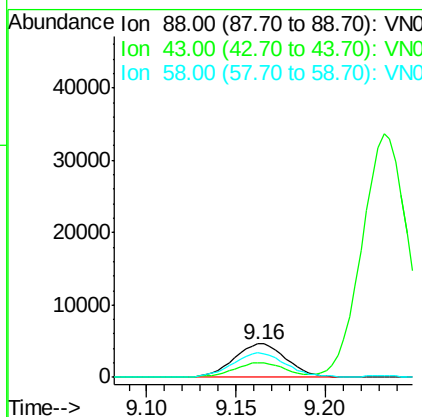
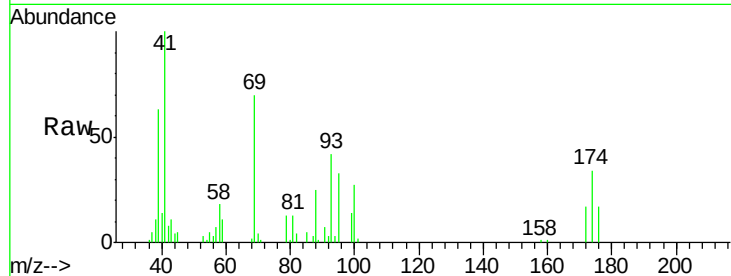
#49
1,4-Dioxane
Concen: 479.202 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.5	35.3	52.9
58	74.6	61.5	92.3

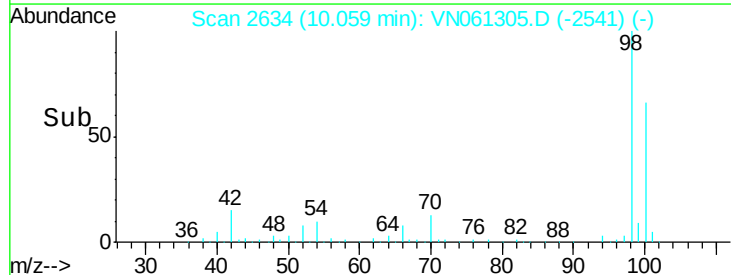
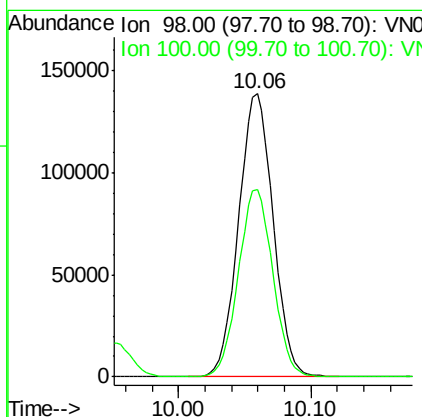
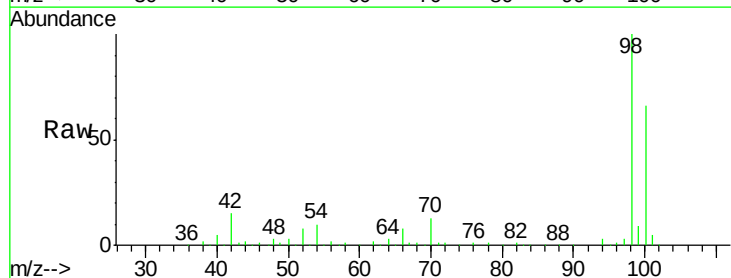
Manual Integrations
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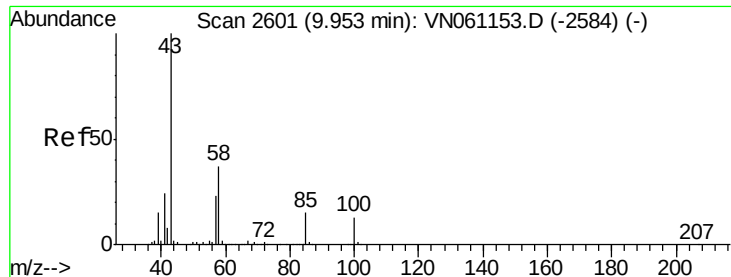
MMDadoda
5/7/2020 10:36:29 AM



#50
Toluene-d8
Concen: 53.006 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.4	80.0





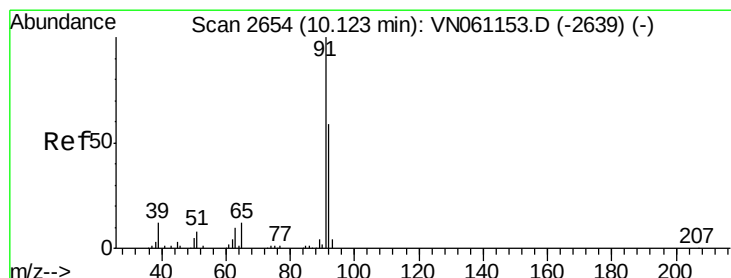
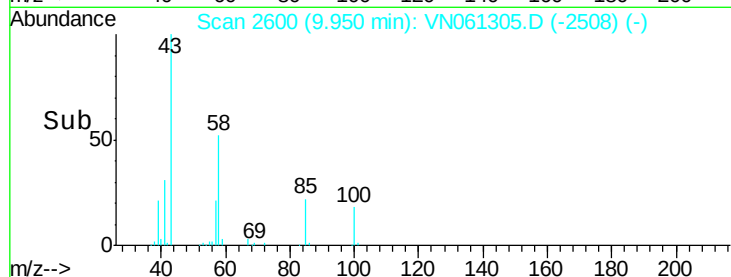
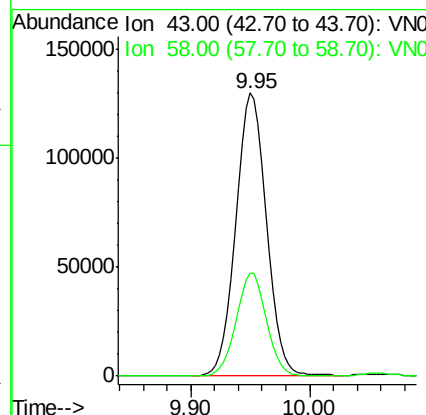
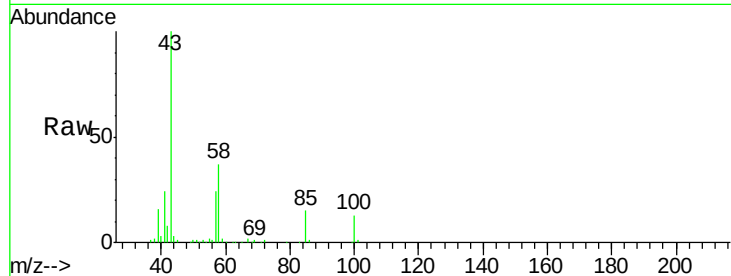
#51
 4-Methyl-2-Pentanone
 Concen: 103.127 ug/l
 RT: 9.95 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.1	43.7

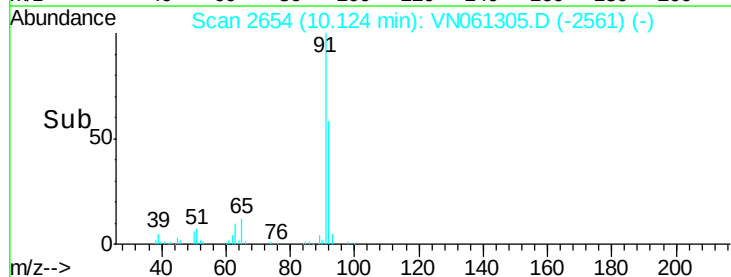
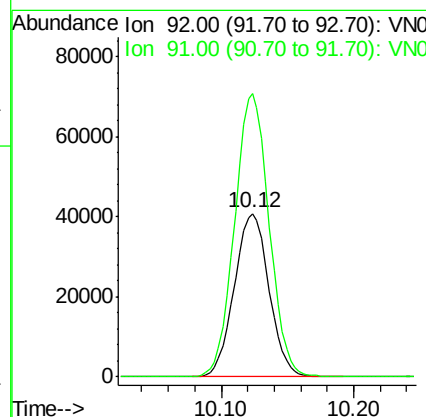
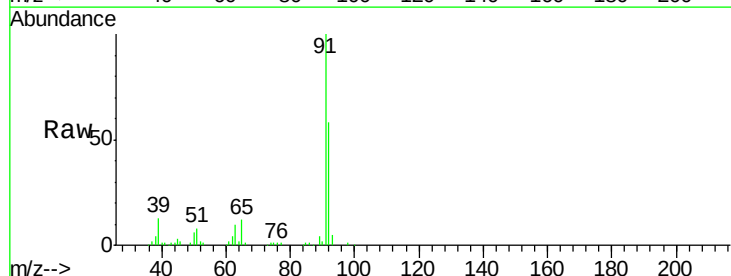
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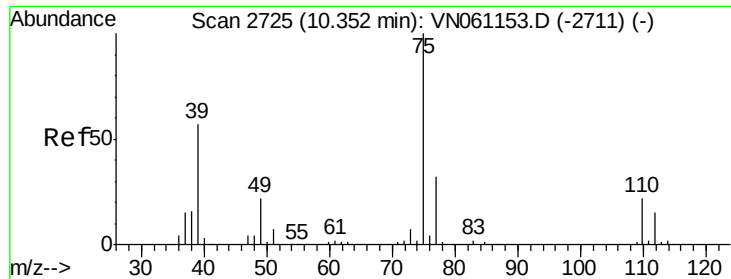
MMDadoda
 5/7/2020 10:36:29 AM



#52
 Toluene
 Concen: 21.046 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	136.2	204.2





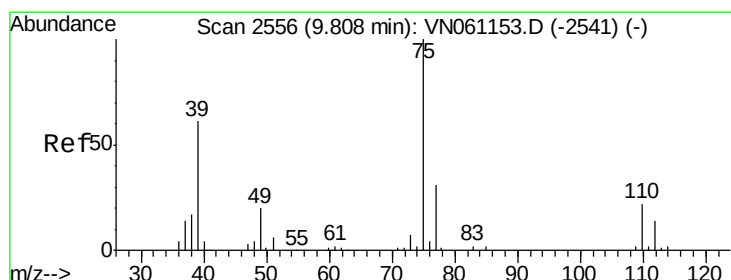
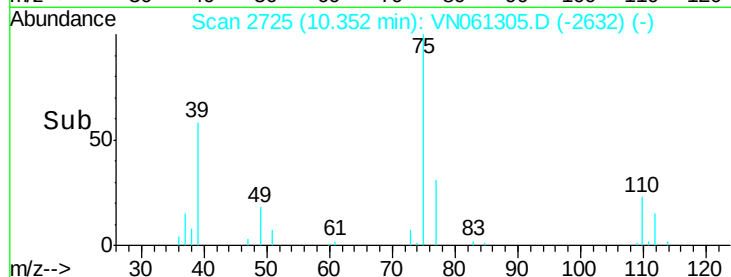
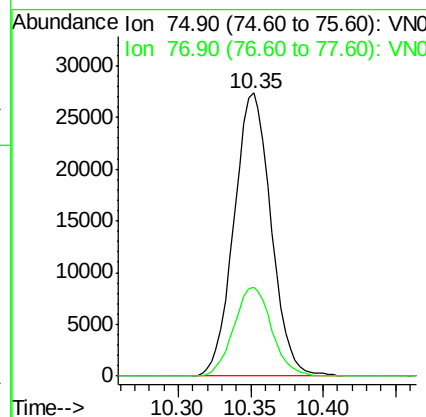
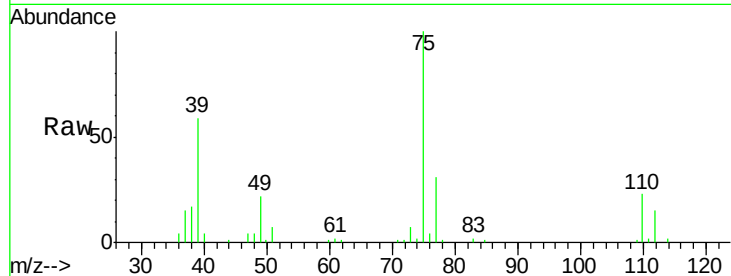
#53
t-1,3-Dichloropropene
Concen: 20.658 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion: 75 Resp: 48474
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3

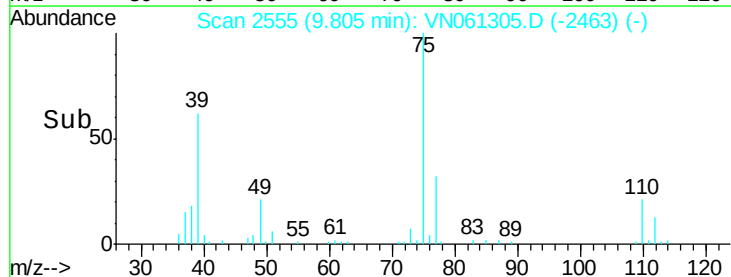
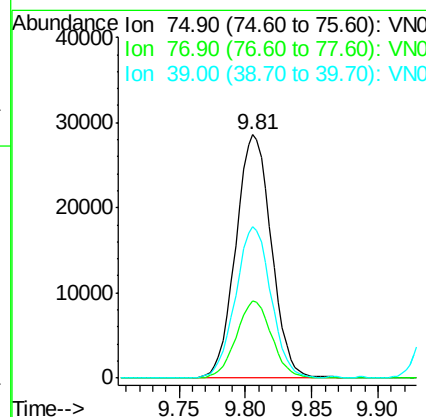
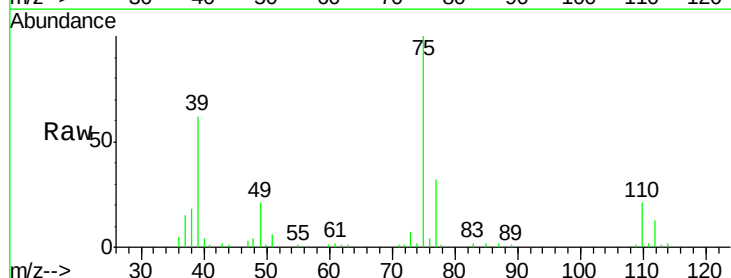
Manual Integrations
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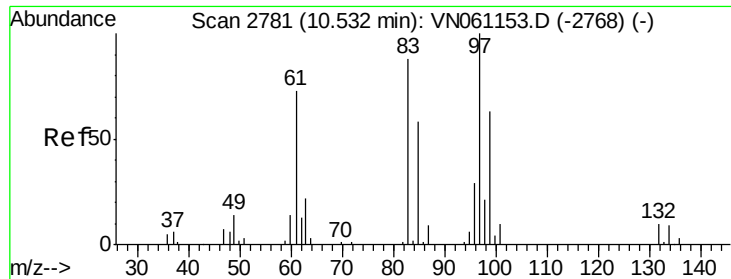
MMDadoda
5/7/2020 10:36:29 AM



#54
cis-1,3-Dichloropropene
Concen: 21.479 ug/l
RT: 9.81 min Scan# 2555
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion: 75 Resp: 53282
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.4
39 62.0 48.7 73.1





#55

1,1,2-Trichloroethane

Concen: 20.914 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 97 Resp: 29471

Ion Ratio Lower Upper

97 100

83 90.0 70.6 106.0

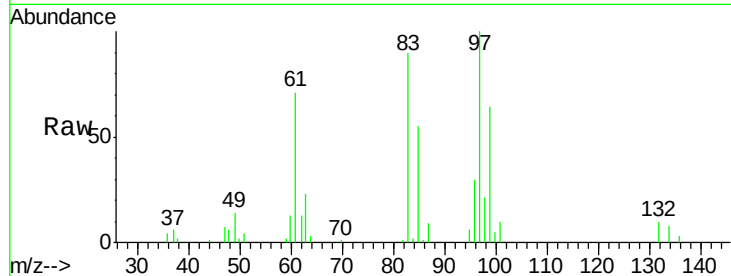
85 54.8 46.4 69.6

99 63.6 50.6 75.8

Manual Integrations
APPROVED

MMDadoda

5/7/2020 10:36:29 AM

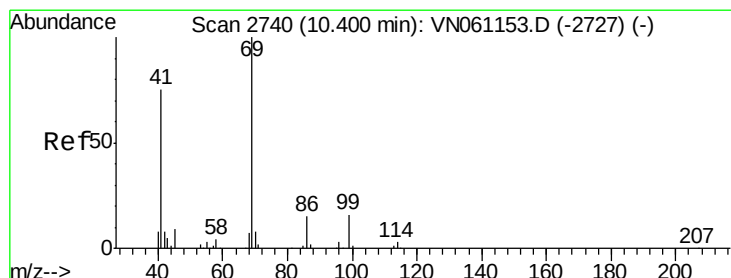
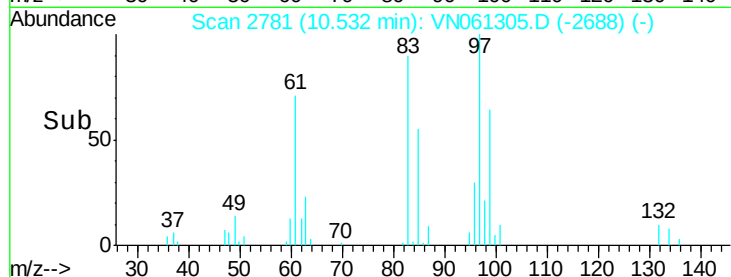
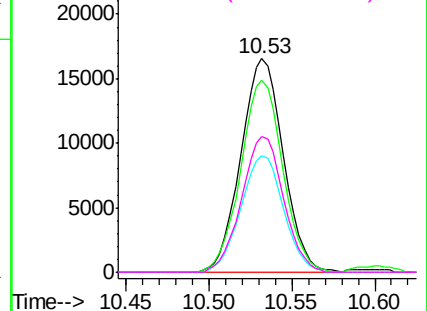


Abundance Ion 96.90 (96.60 to 97.60): VN061153.D (-2768) (-)

Ion 82.90 (82.60 to 83.60): VN061153.D (-2768) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2768) (-)

Ion 98.90 (98.60 to 99.60): VN061153.D (-2768) (-)



#56

Ethyl methacrylate

Concen: 19.857 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

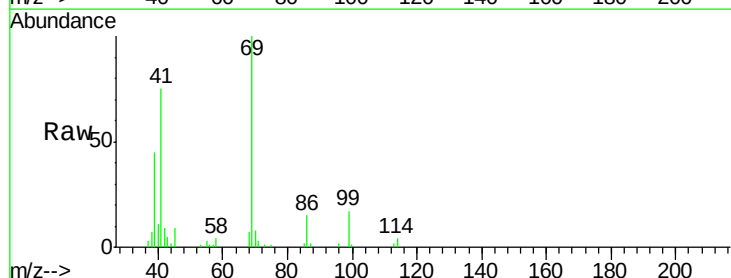
Tgt Ion: 69 Resp: 44491

Ion Ratio Lower Upper

69 100

41 77.7 60.3 90.5

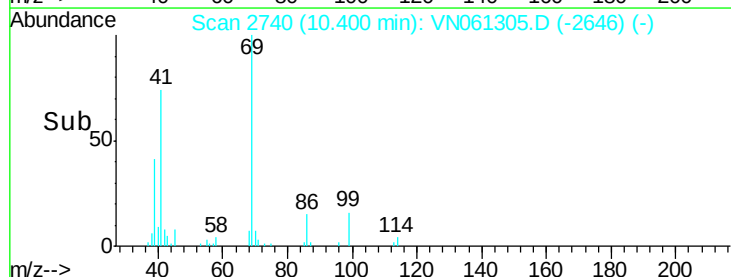
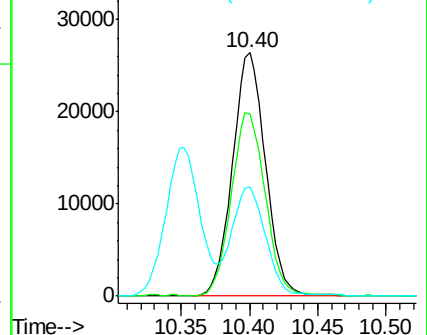
39 44.7 35.9 53.9

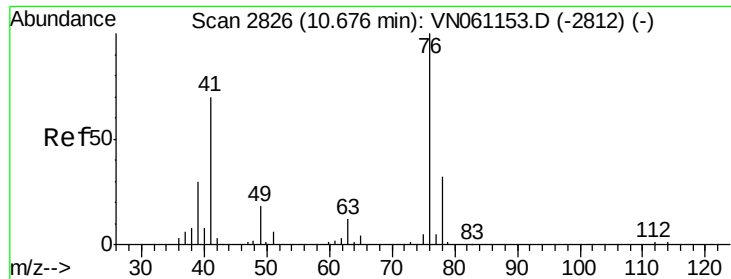


Abundance Ion 69.00 (68.70 to 69.70): VN061153.D (-2727) (-)

Ion 41.00 (40.70 to 41.70): VN061153.D (-2727) (-)

Ion 39.00 (38.70 to 39.70): VN061153.D (-2727) (-)





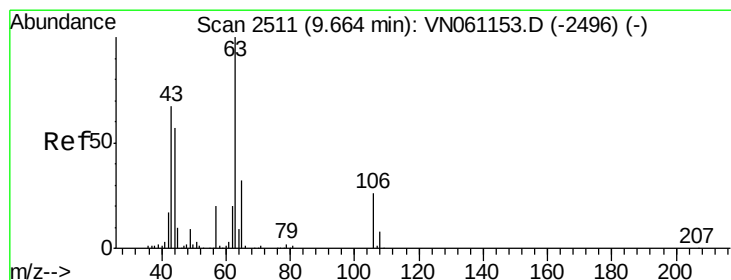
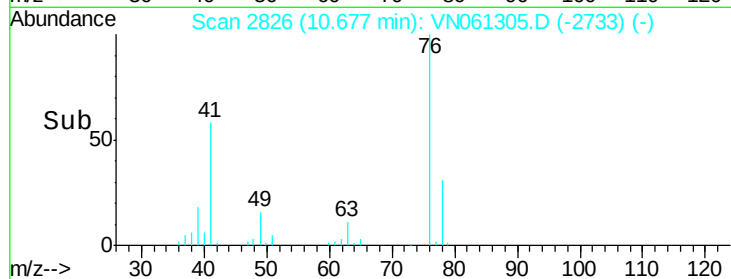
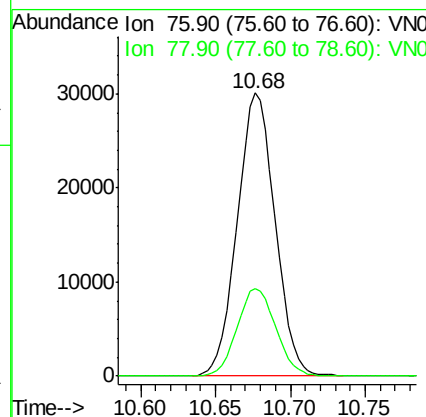
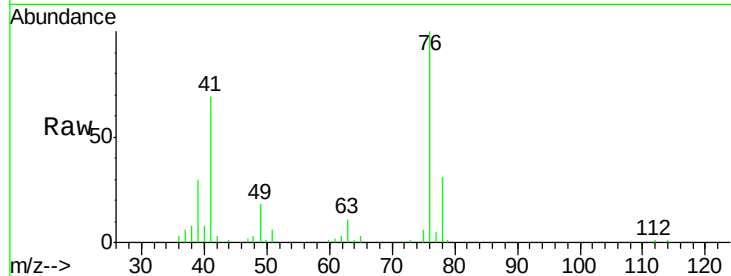
#57
 1,3-Dichloropropane
 Concen: 21.376 ug/l
 RT: 10.68 min Scan# 2826
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion: 76 Resp: 52947
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.5 38.3

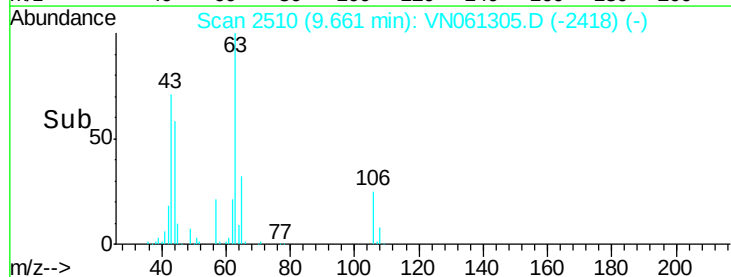
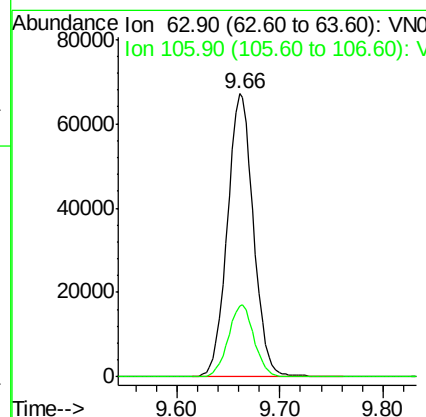
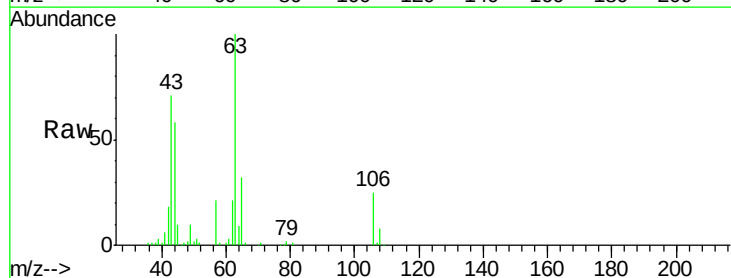
Manual Integrations
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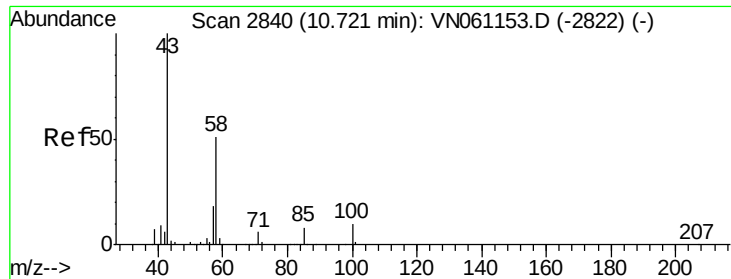
MMDadoda
 5/7/2020 10:36:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.457 ug/l
 RT: 9.66 min Scan# 2510
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion: 63 Resp: 118006
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.6 30.8





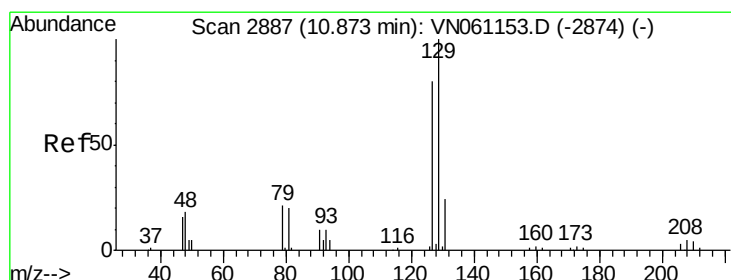
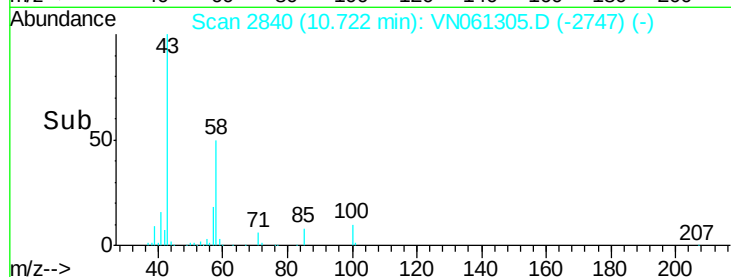
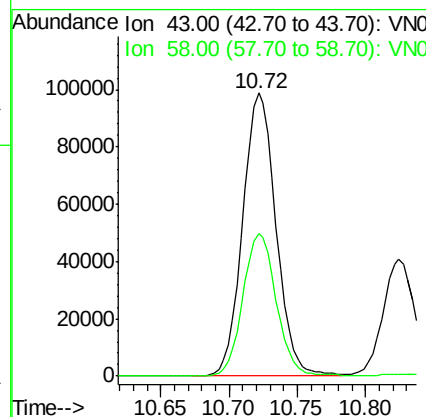
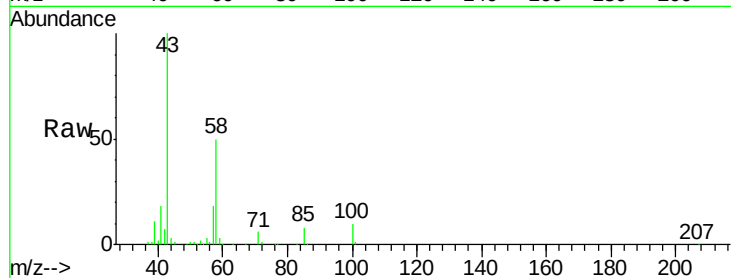
#59
2-Hexanone
Concen: 102.326 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	43	Resp	167842
Ion Ratio	43	100	
Lower	58	50.4	25.4
Upper			76.4

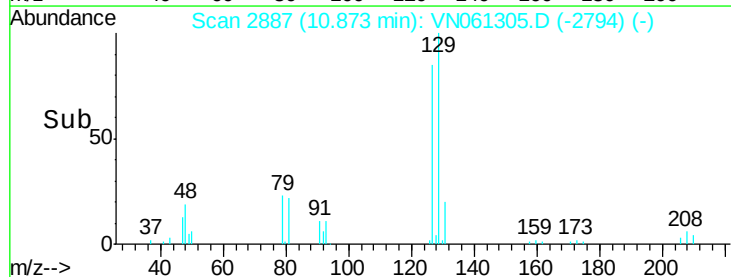
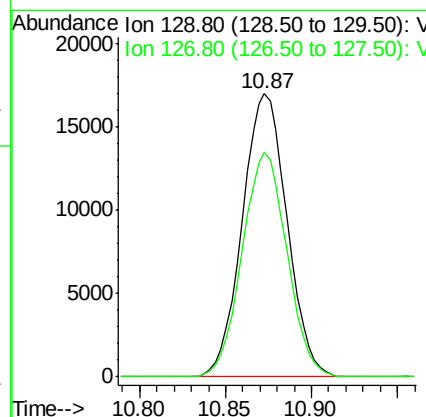
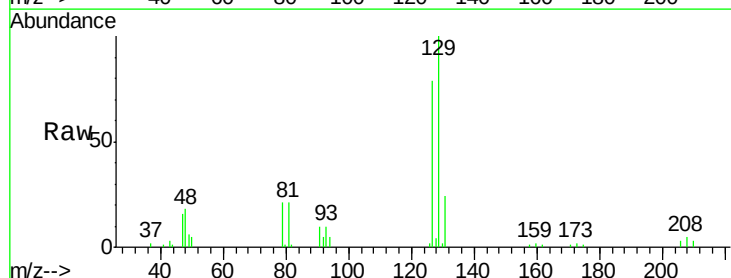
Manual Integrations
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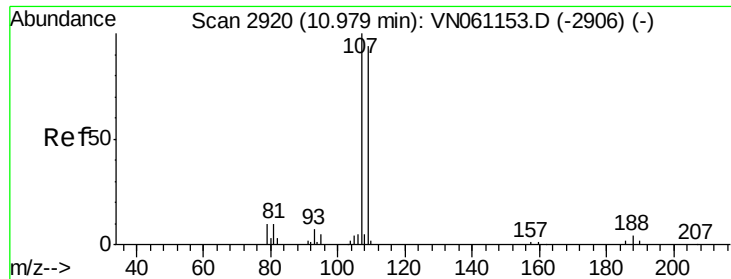
MMDadoda
5/7/2020 10:36:29 AM



#60
Dibromochloromethane
Concen: 20.867 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	129	Resp	30796
Ion Ratio	129	100	
Lower	127	79.2	39.3
Upper			117.8





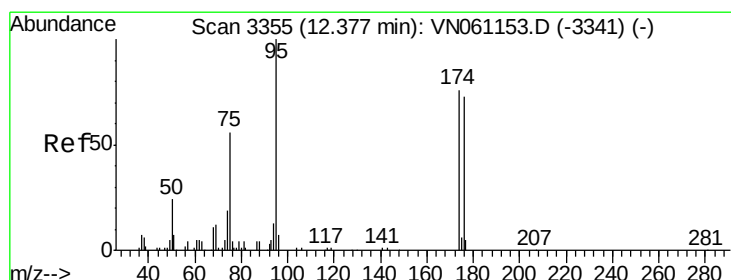
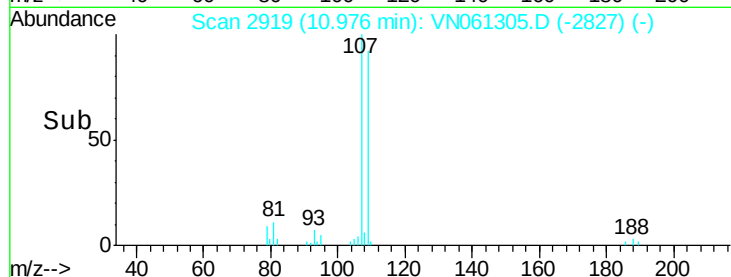
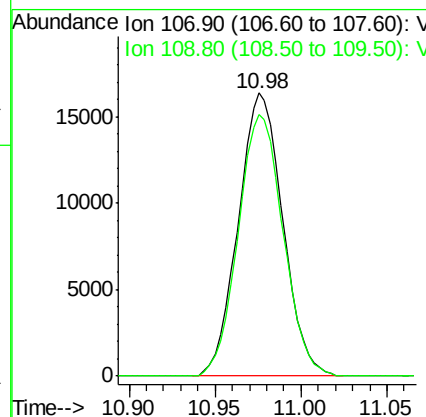
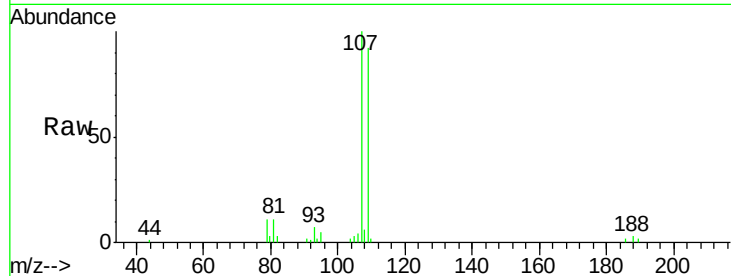
#61
 1,2-Dibromoethane
 Concen: 20.752 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

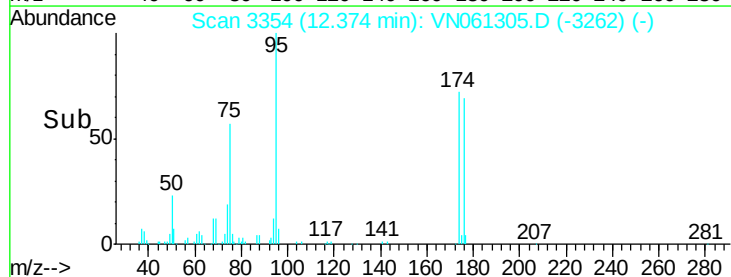
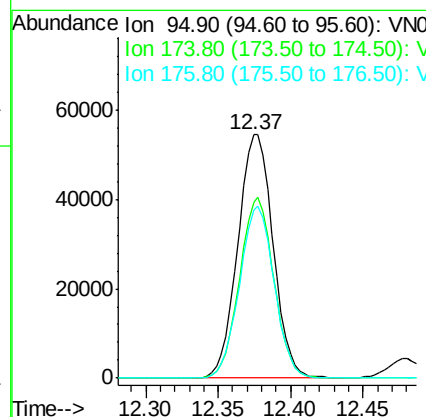
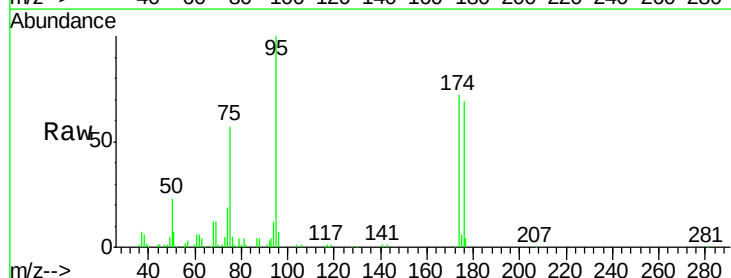
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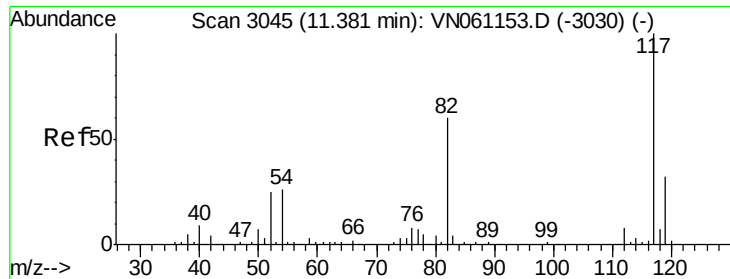
MMDadoda
 5/7/2020 10:36:29 AM



#62
 4-Bromofluorobenzene
 Concen: 51.647 ug/l
 RT: 12.37 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	149.4
176	69.5	0.0	144.8





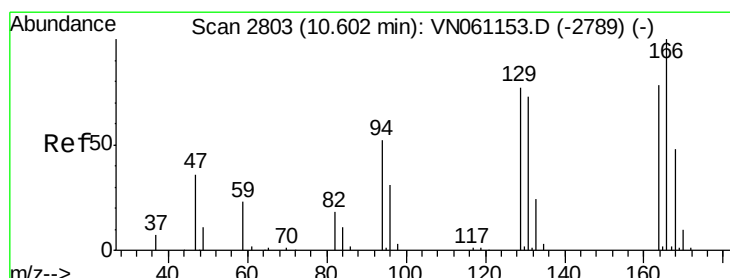
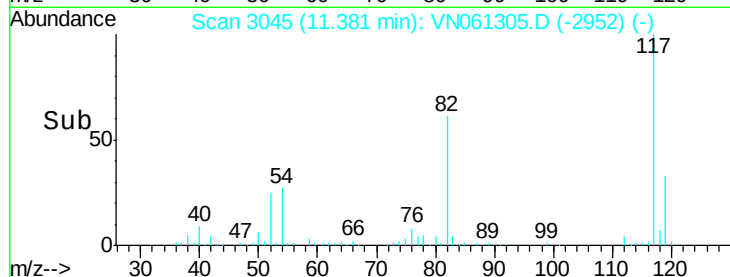
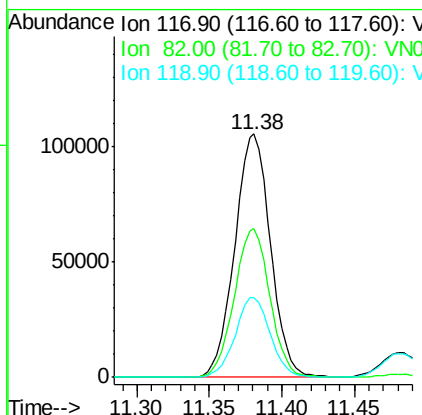
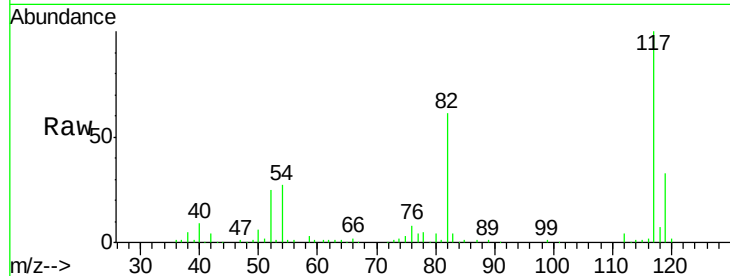
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	47.8	71.8
119	33.0	25.8	38.6

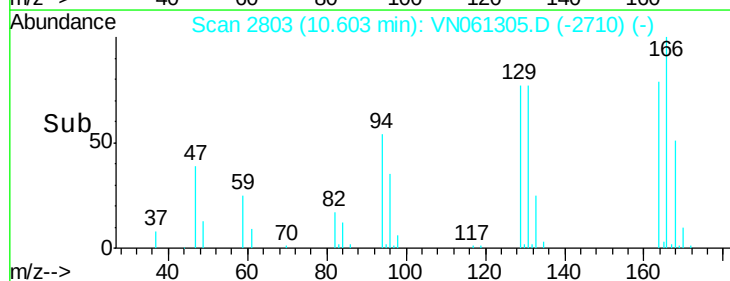
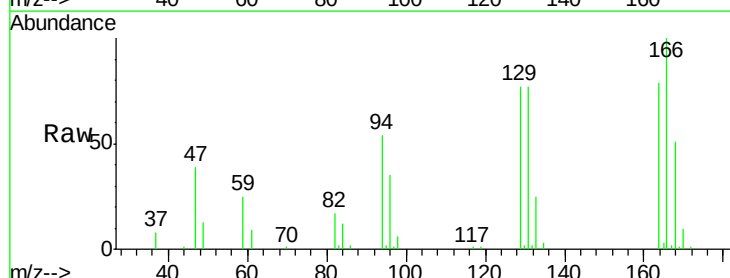
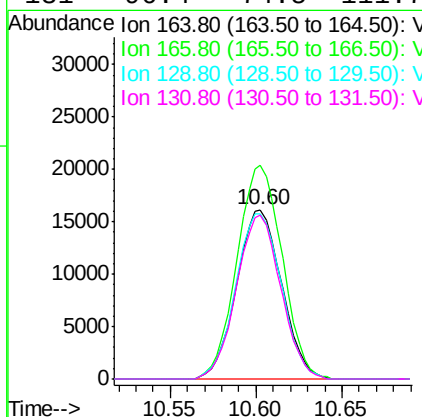
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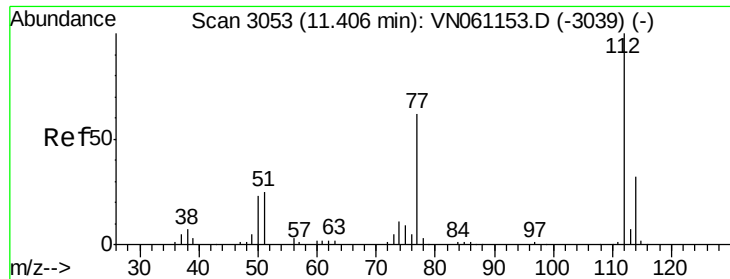
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#64
Tetrachloroethene
Concen: 18.825 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	102.0	153.0
129	97.1	78.2	117.2
131	96.4	74.5	111.7





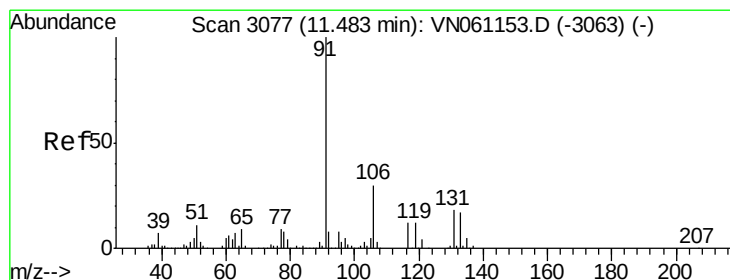
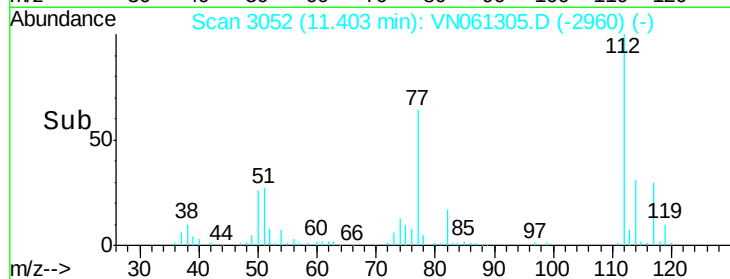
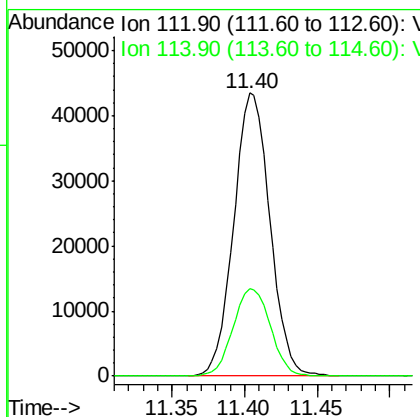
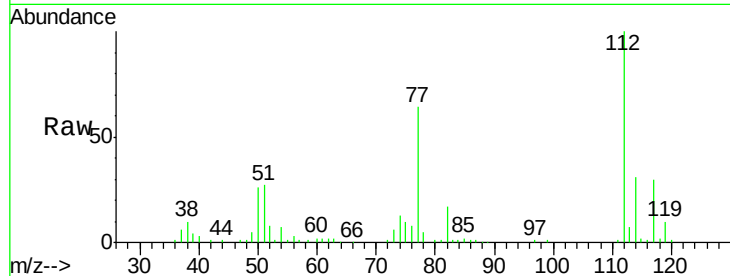
#65
Chlorobenzene
Concen: 21.017 ug/l
RT: 11.40 min Scan# 3052
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion:112 Resp: 75323
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

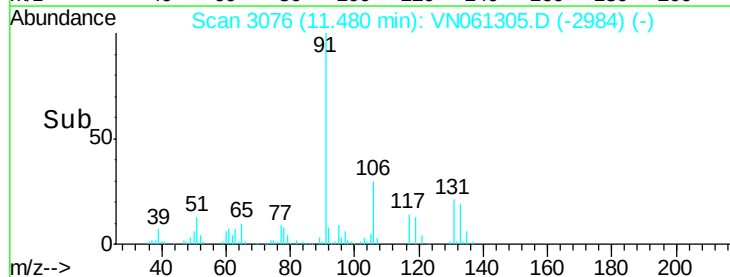
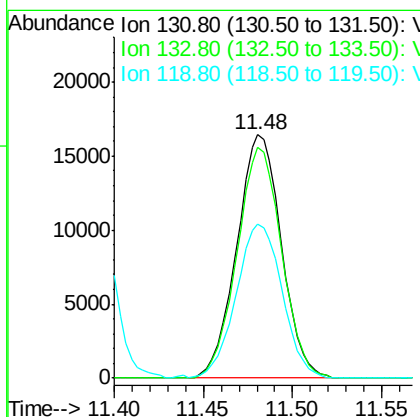
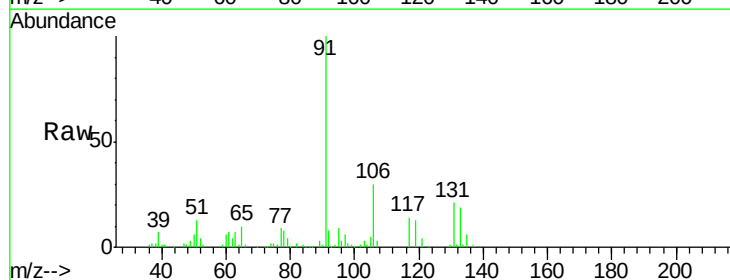
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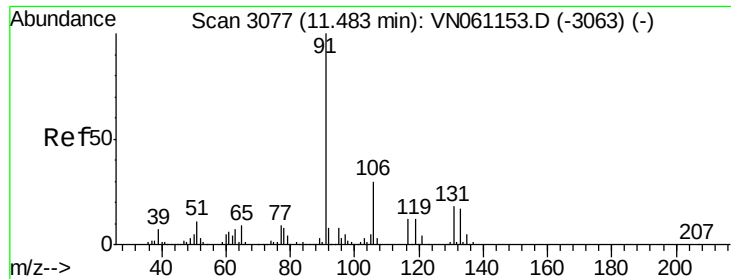
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.300 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion:131 Resp: 28605
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.2
119 65.1 32.6 97.8





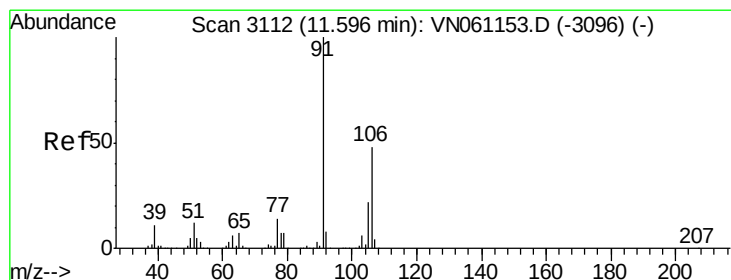
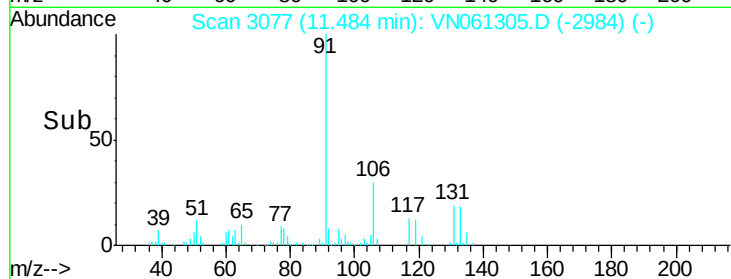
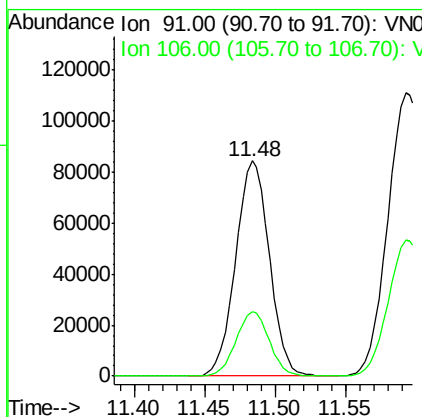
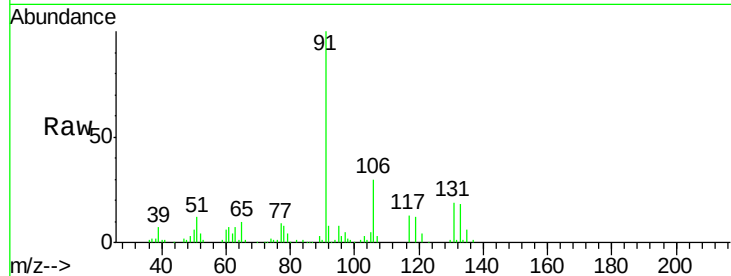
#67
Ethyl Benzene
Concen: 21.132 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion: 91 Resp: 141778
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

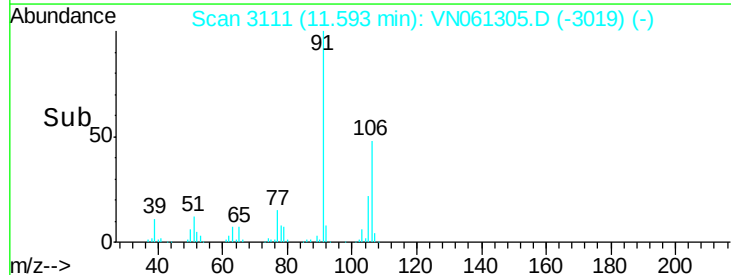
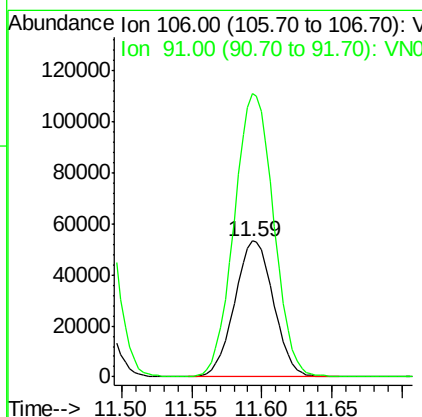
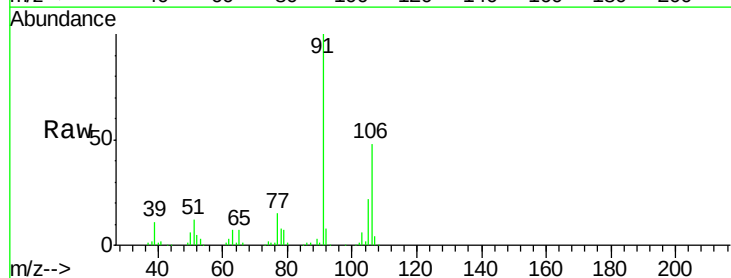
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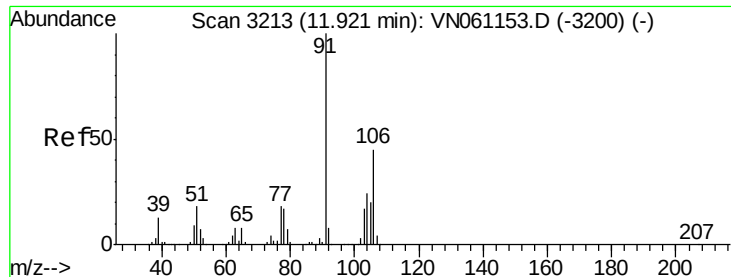
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#68
m/p-Xylenes
Concen: 41.855 ug/l
RT: 11.59 min Scan# 3111
Delta R.T. -0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion: 106 Resp: 102785
Ion Ratio Lower Upper
106 100
91 212.1 166.4 249.6





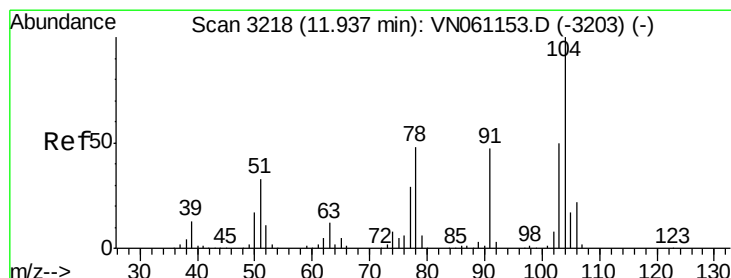
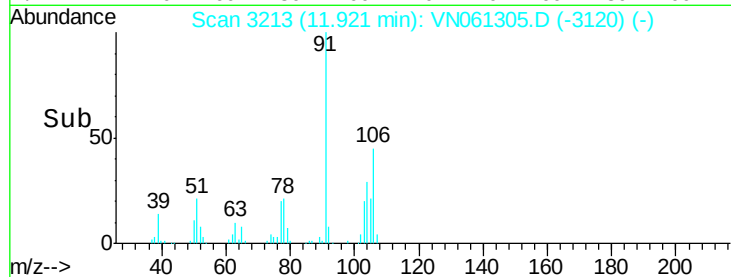
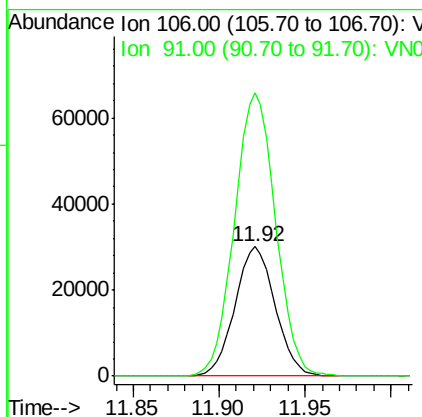
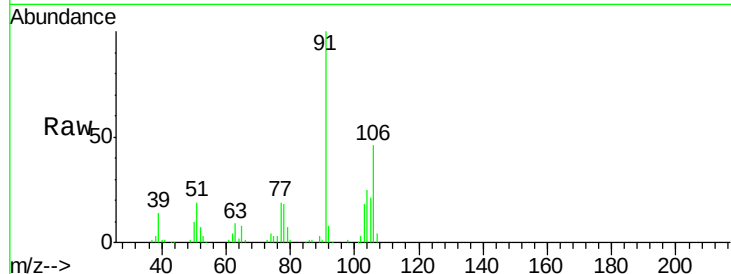
#69
o-Xylene
Concen: 20.663 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion:106 Resp: 48741
Ion Ratio Lower Upper
106 100
91 223.5 109.7 329.0

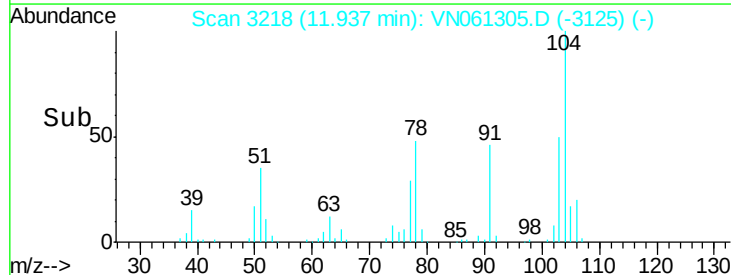
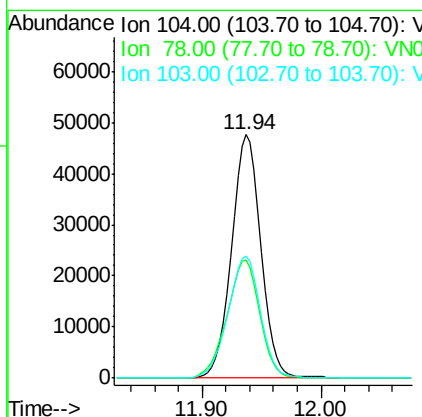
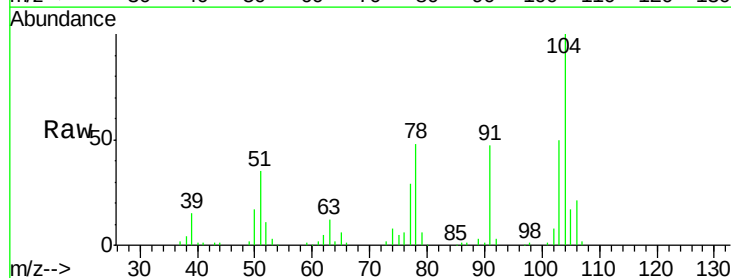
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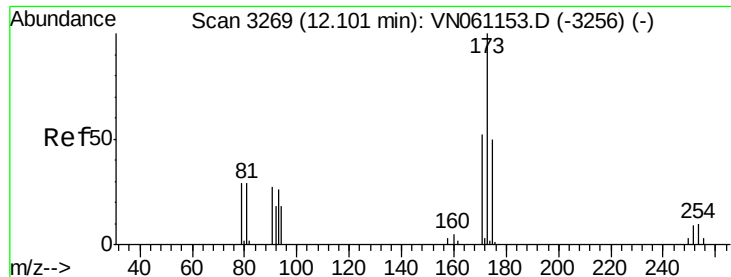
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#70
Styrene
Concen: 20.551 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion:104 Resp: 81136
Ion Ratio Lower Upper
104 100
78 54.1 42.1 63.1
103 55.3 43.3 64.9





#71

Bromoform

Concen: 21.669 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion:173 Resp: 20428

Ion Ratio Lower Upper

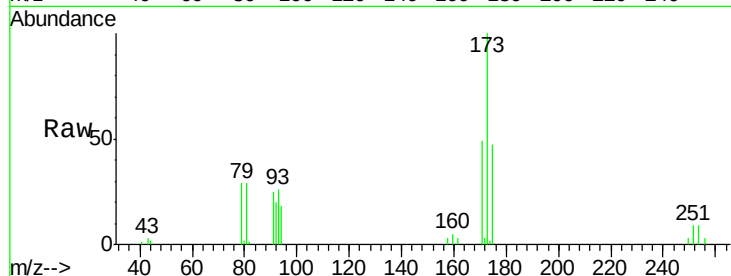
173 100

175 47.2 24.1 72.4

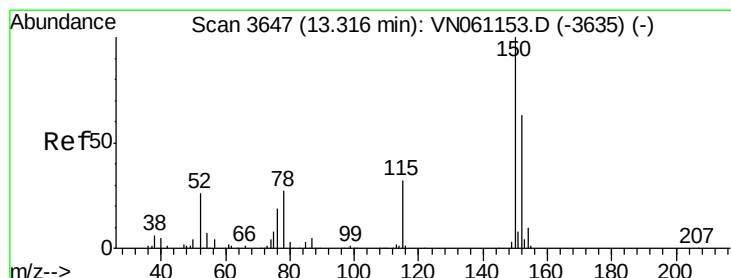
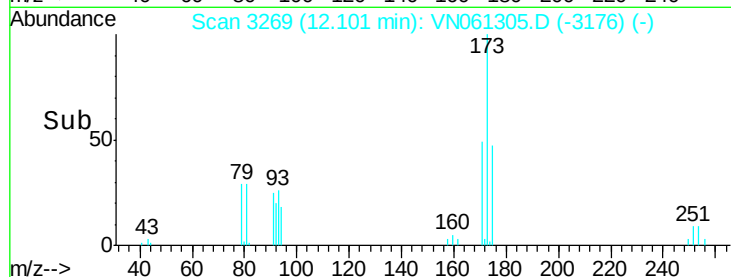
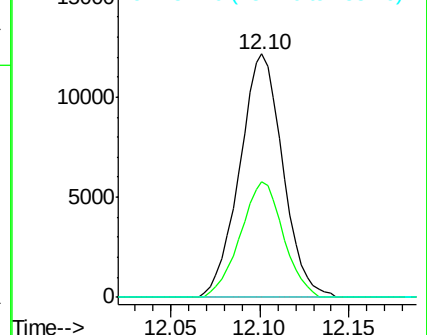
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

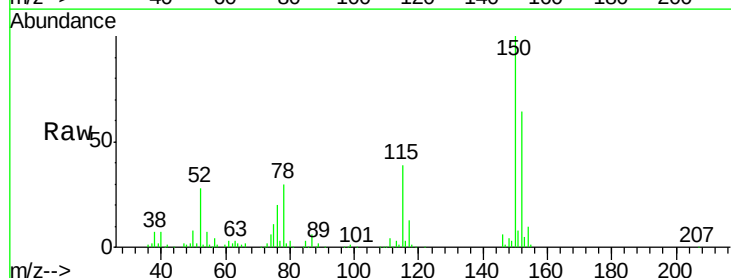
Tgt Ion:152 Resp: 84748

Ion Ratio Lower Upper

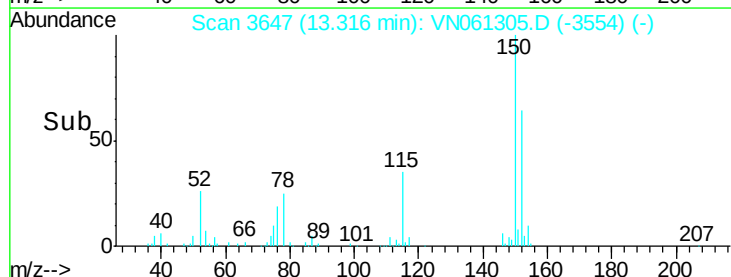
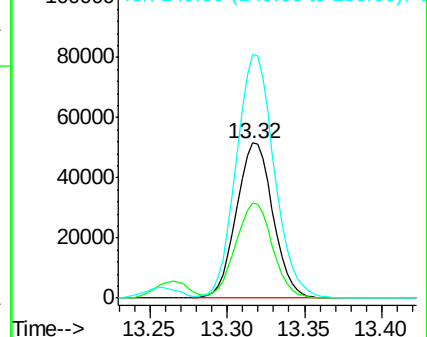
152 100

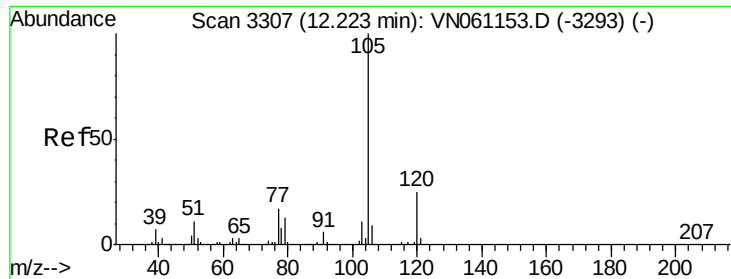
115 61.7 31.0 93.0

150 163.5 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: 21.417 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBS01

Tot Ion:105 Resp: 133432

Ion Ratio Lower Upper

105 100

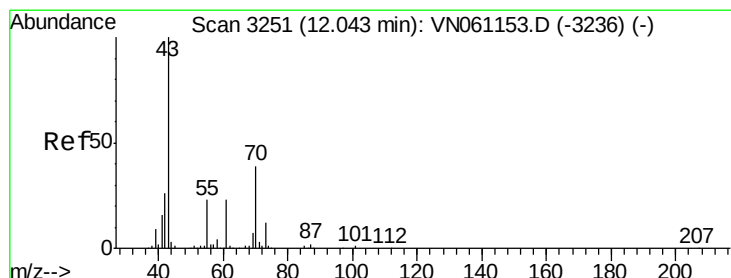
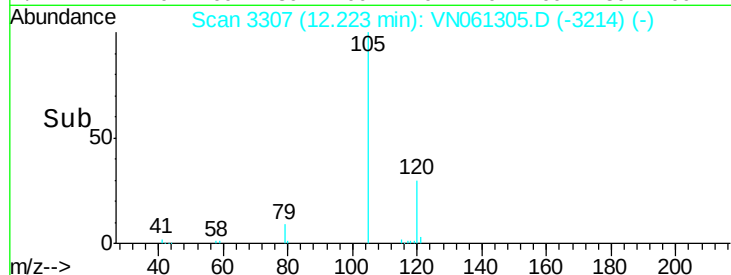
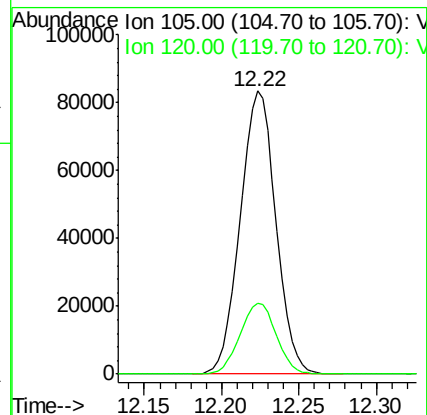
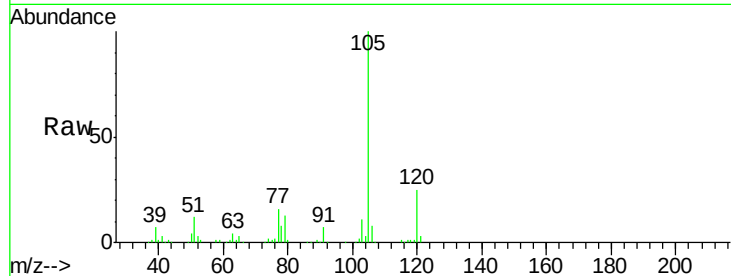
120 25.4 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.614 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion: 43 Resp: 65034

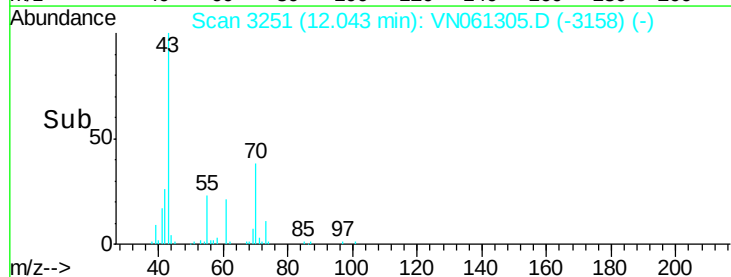
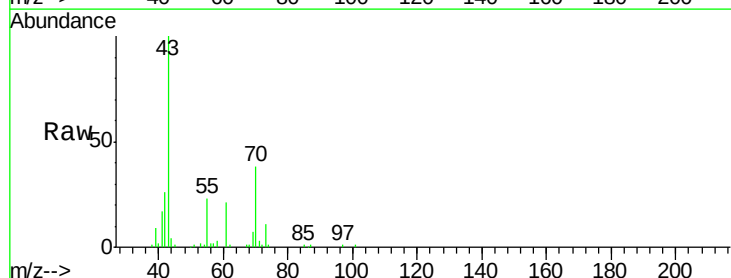
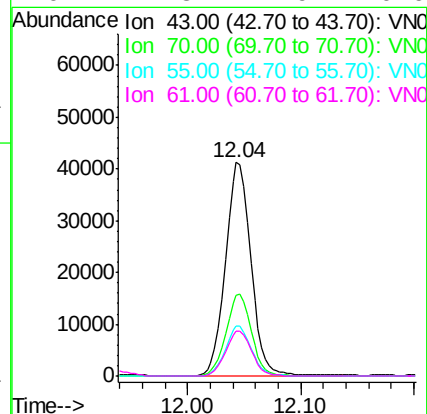
Ion Ratio Lower Upper

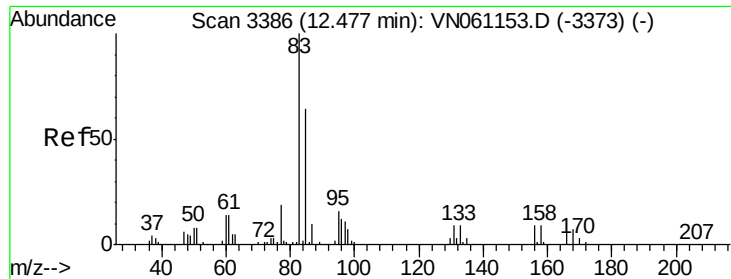
43 100

70 37.7 30.6 46.0

55 23.4 18.5 27.7

61 21.3 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.439 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

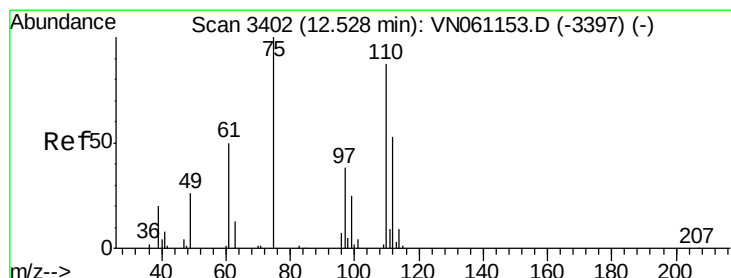
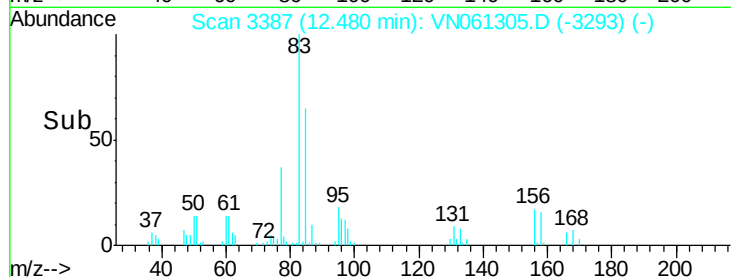
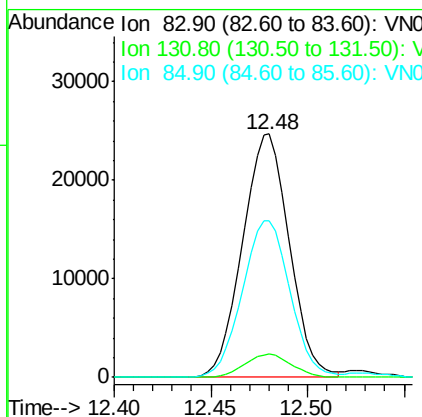
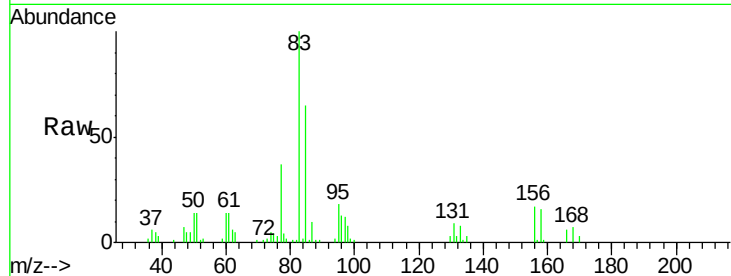
ClientSampleId :

VN0506WBS01

Tot Ion:	83	Resp:	41649
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	65.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.739 ug/l m

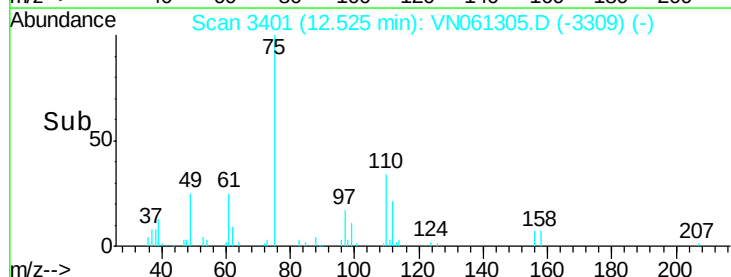
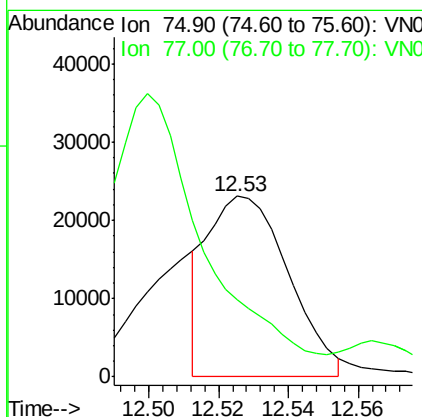
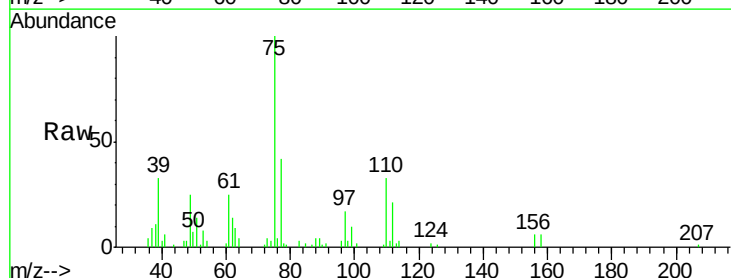
RT: 12.53 min Scan# 3401

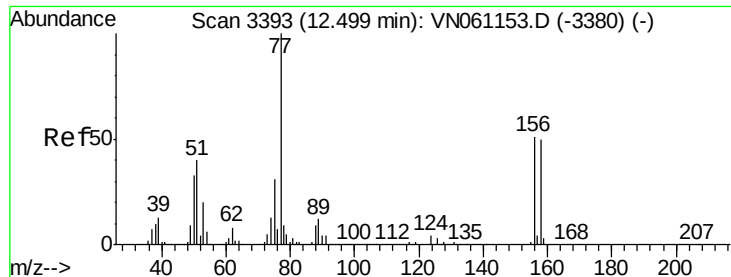
Delta R.T. -0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion:	75	Resp:	37055
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.090 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

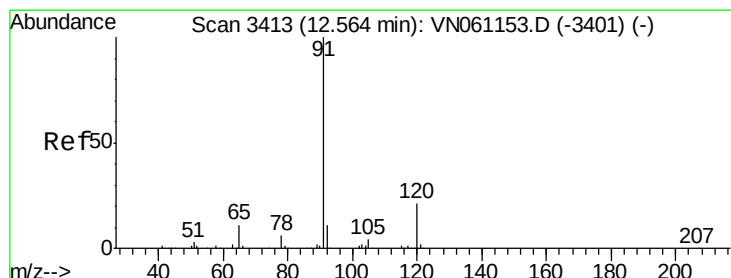
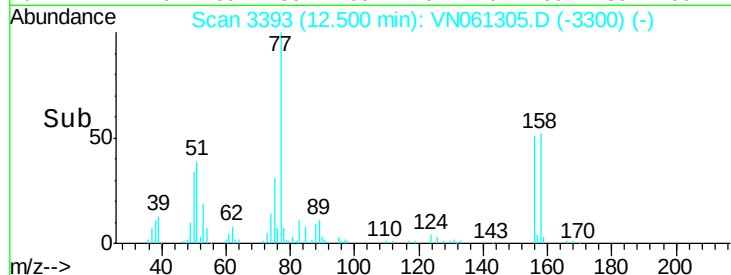
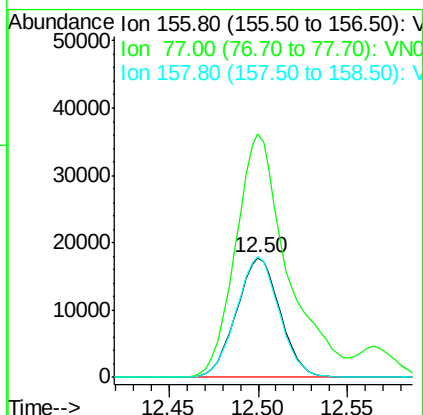
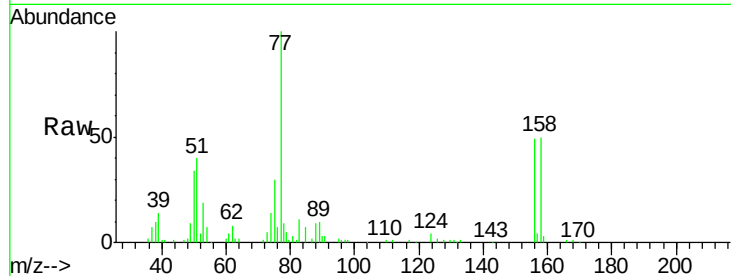
ClientSampled :

VN0506WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	242.2	117.4	352.2
158	99.0	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 21.437 ug/l

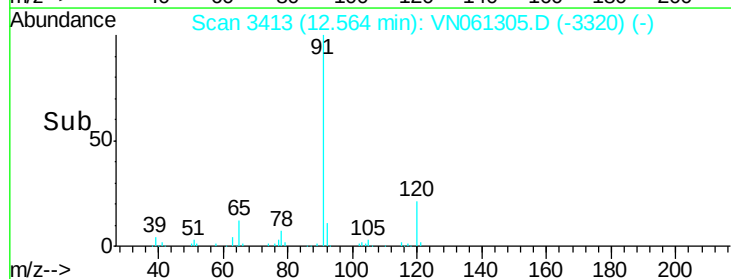
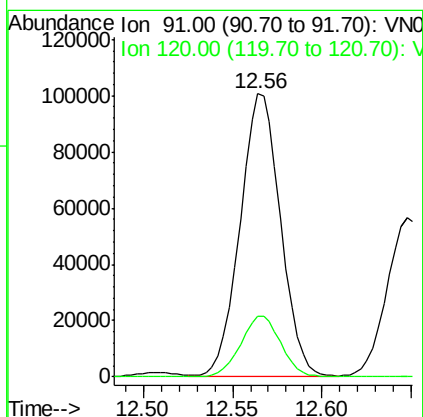
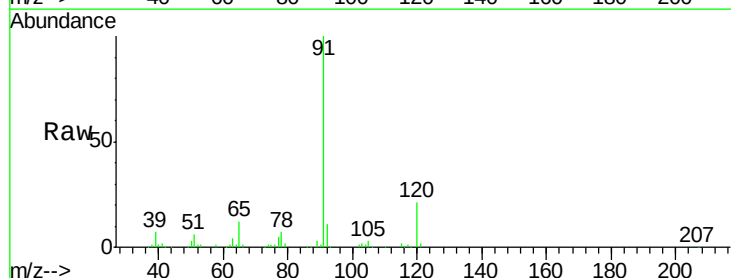
RT: 12.56 min Scan# 3413

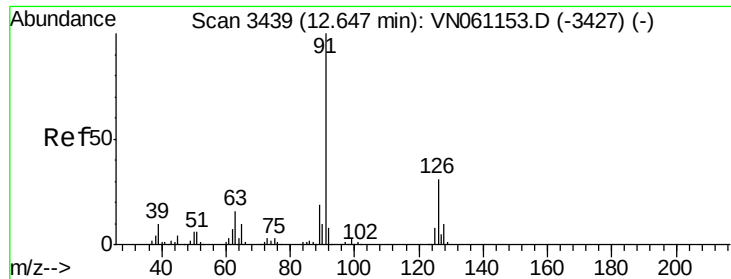
Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3





#79

2-Chlorotoluene

Concen: 21.537 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0506WBS01

Tot Ion: 91 Resp: 93544

Ion Ratio Lower Upper

91 100

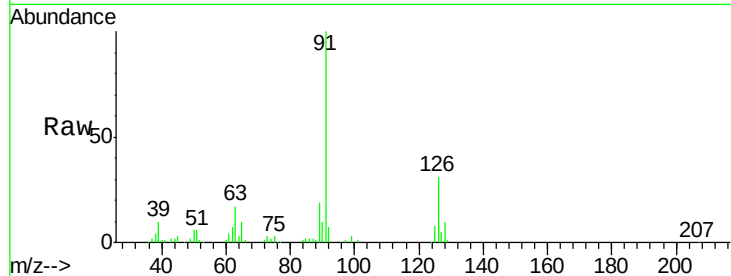
126 30.8 15.9 47.7

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

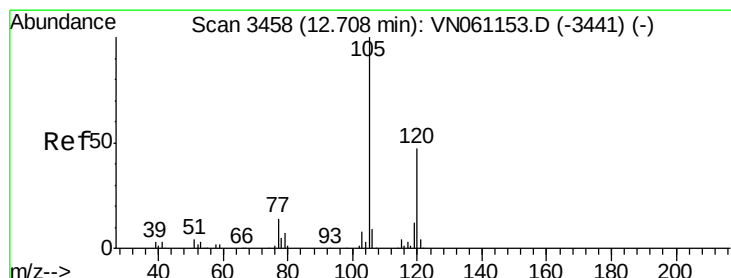
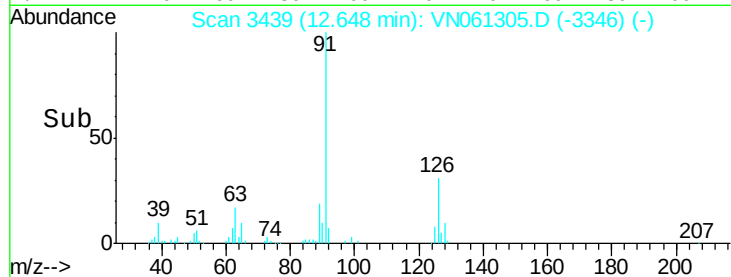
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.820 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061305.D

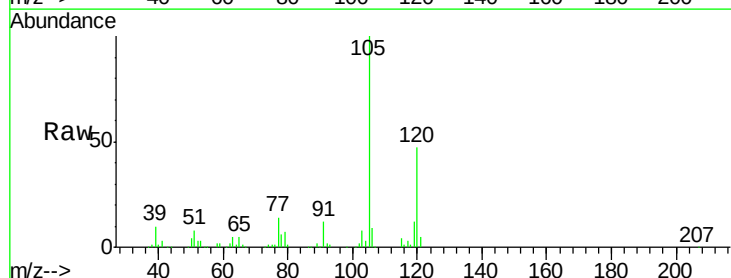
Acq: 6 May 2020 13:27

Tgt Ion: 105 Resp: 112516

Ion Ratio Lower Upper

105 100

120 47.2 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) (-)

80000

60000

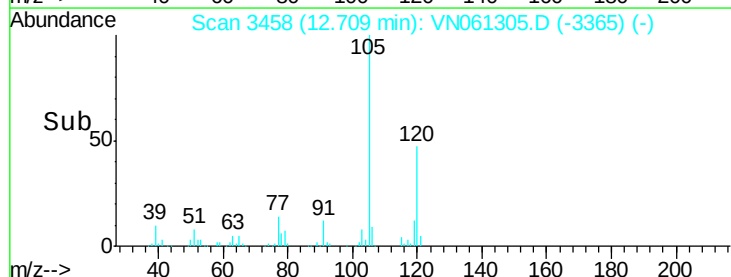
40000

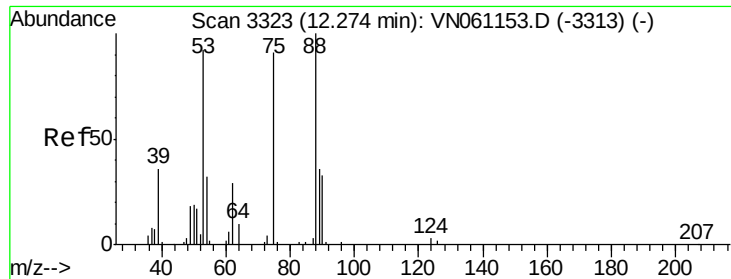
20000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.659 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Instrument :

MSVOA_N

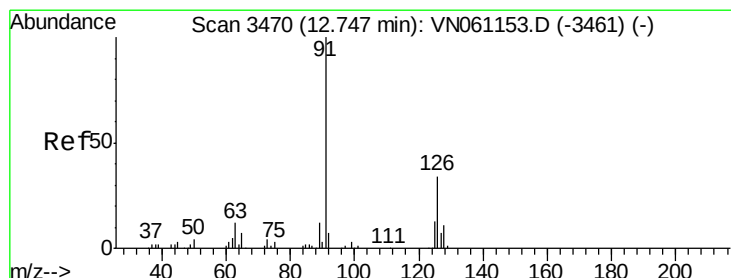
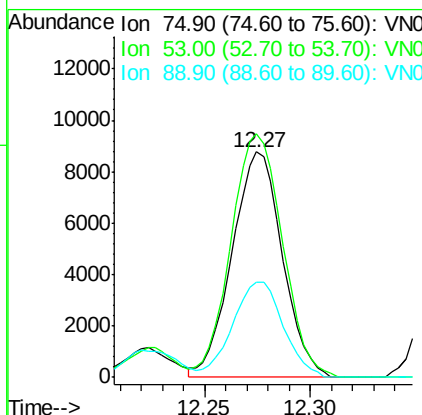
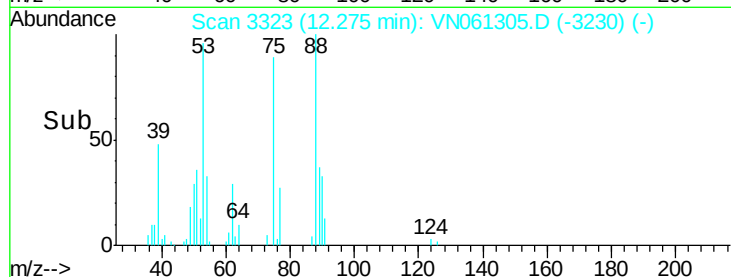
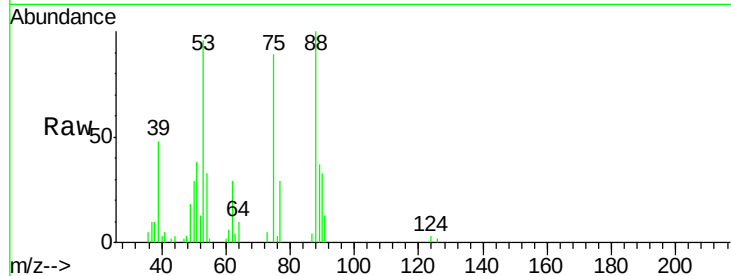
ClientSampled :

VN0506WBS01

Tot Ion:	75	Resp:	14535
Ion	Ratio	Lower	Upper
75	100		
53	110.9	84.1	126.1
89	42.7	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.507 ug/l

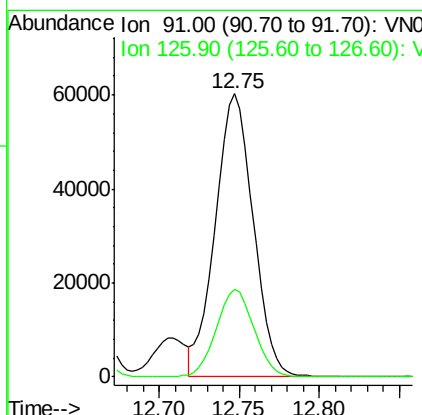
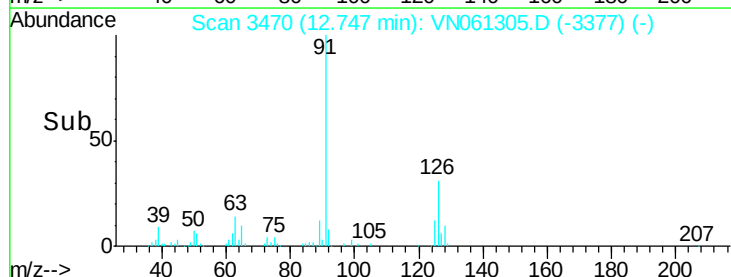
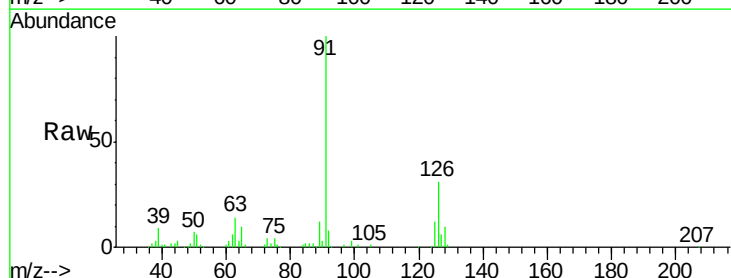
RT: 12.75 min Scan# 3470

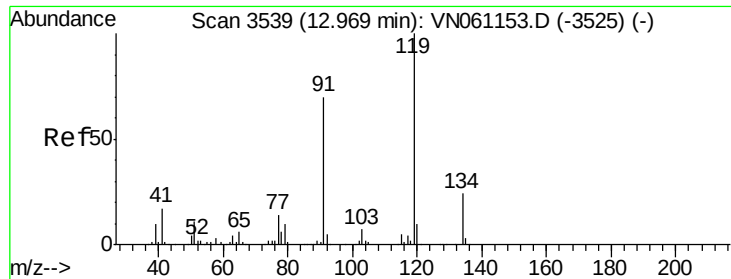
Delta R.T. 0.00 min

Lab File: VN061305.D

Acq: 6 May 2020 13:27

Tgt Ion:	91	Resp:	98458
Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.7	47.1





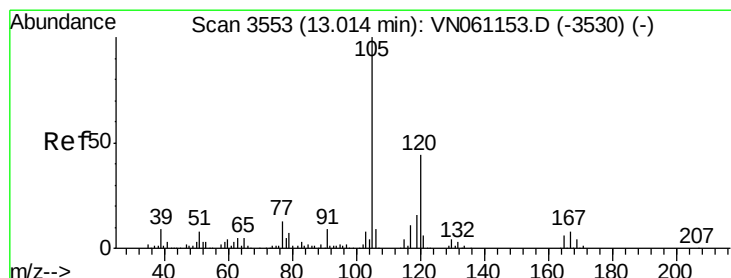
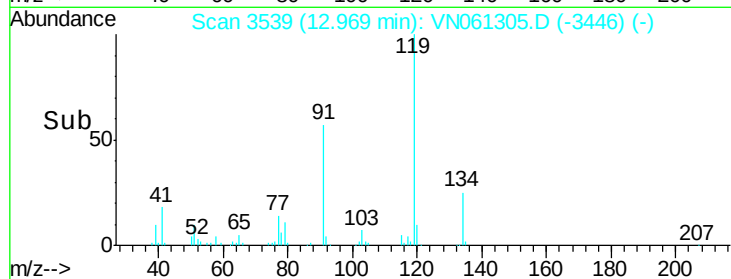
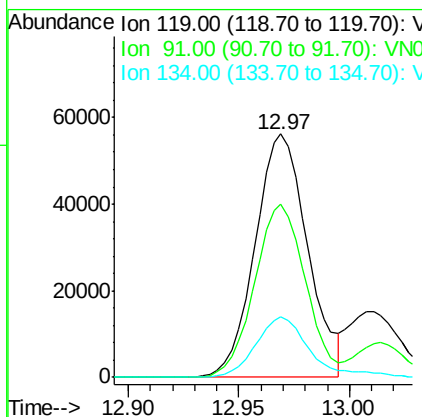
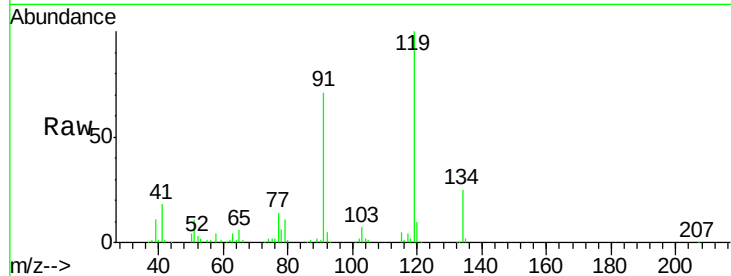
#83
 tert-Butylbenzene
 Concen: 21.299 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.8	104.4
134	25.6	12.9	38.7

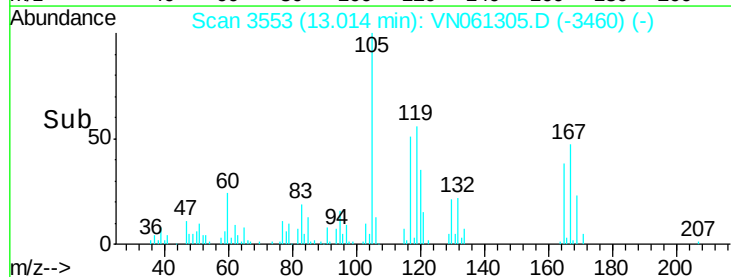
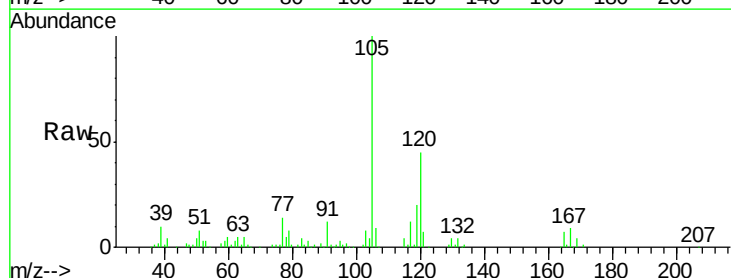
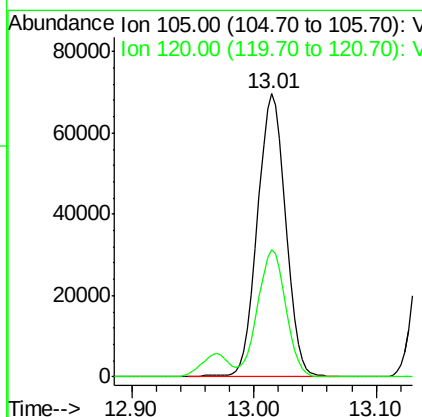
Manual Integrations
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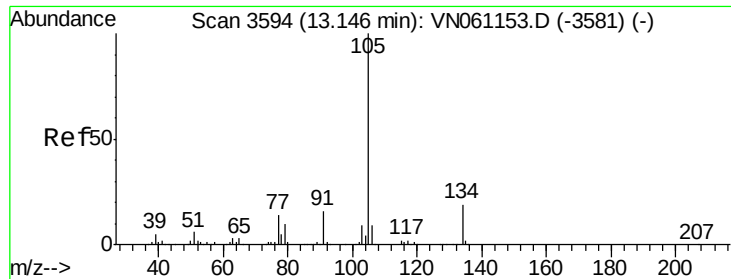
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.971 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.2	66.6





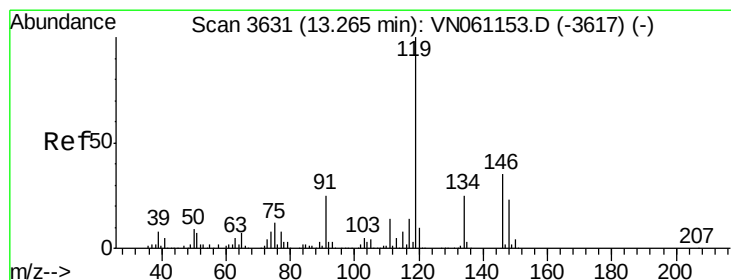
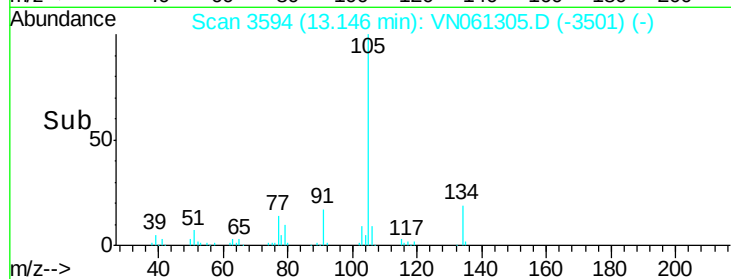
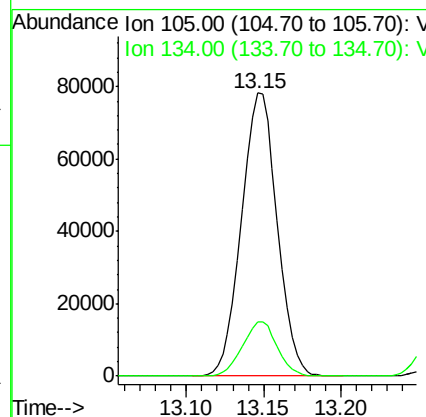
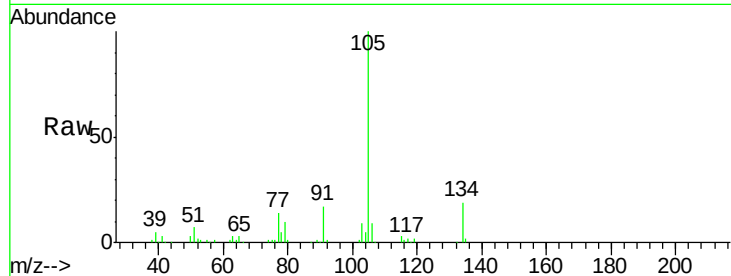
#85
 sec-Butylbenzene
 Concen: 21.150 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.6	28.8

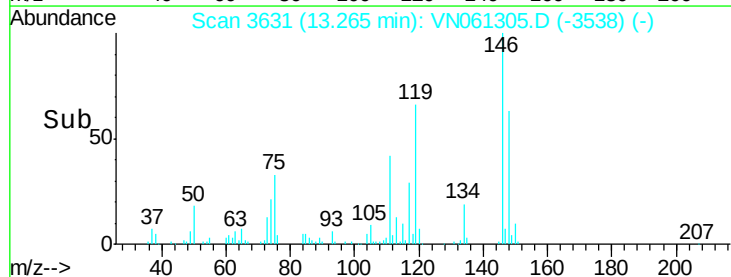
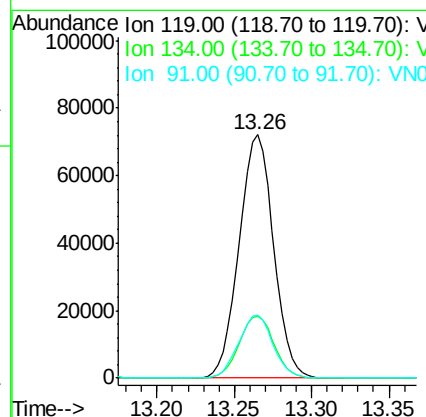
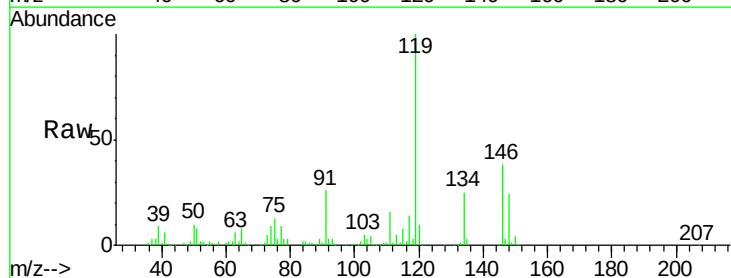
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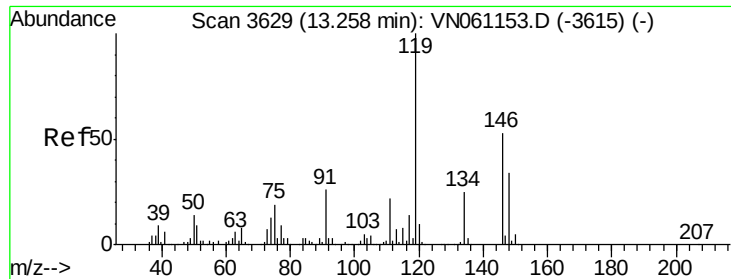
MMDadoda
 5/7/2020 10:36:29 AM



#86
 p-Isopropyltoluene
 Concen: 20.898 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.6	37.6
91	25.8	12.7	38.0





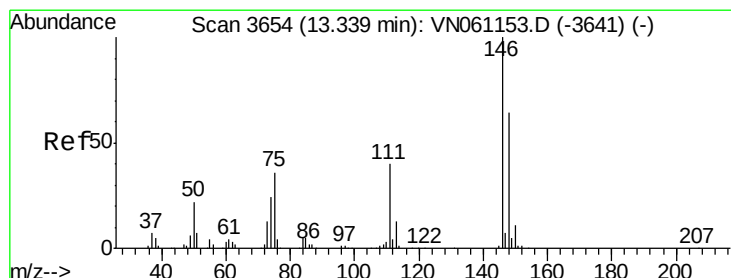
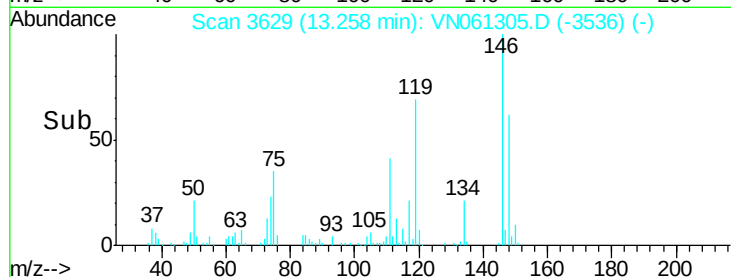
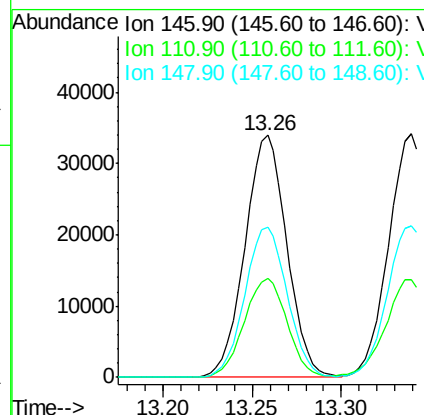
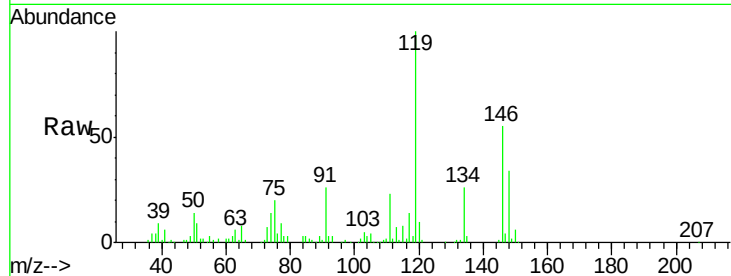
#87
 1,3-Dichlorobenzene
 Concen: 21.080 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	62.8	31.8	95.3

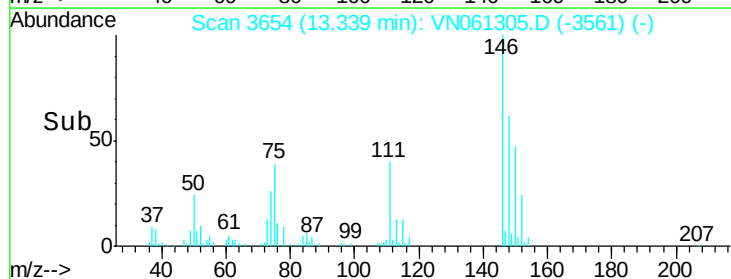
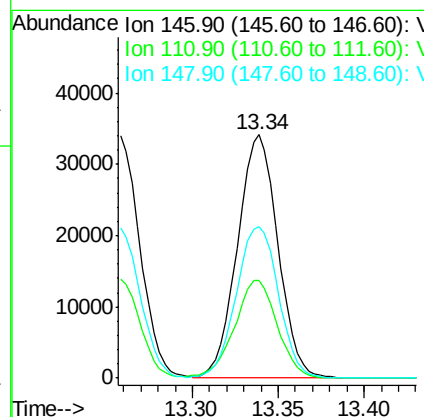
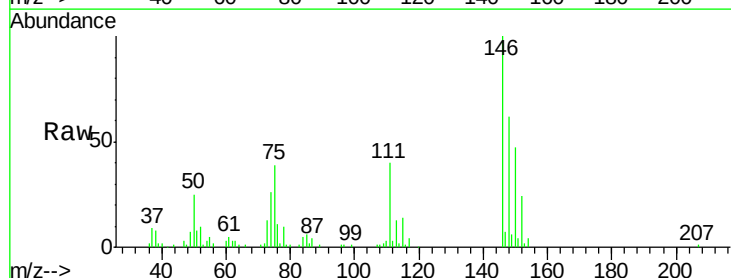
Manual Integrations
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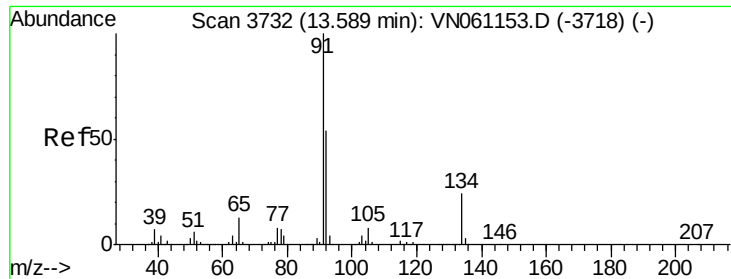
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 20.638 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.4	61.3
148	64.9	31.9	95.7





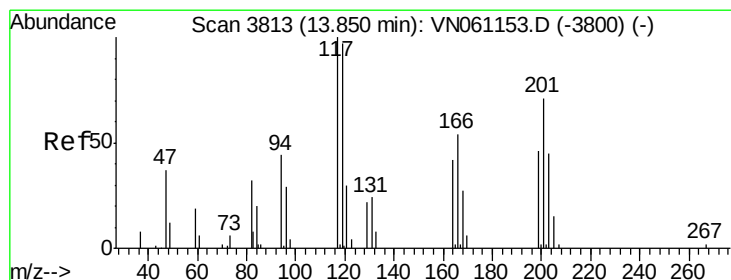
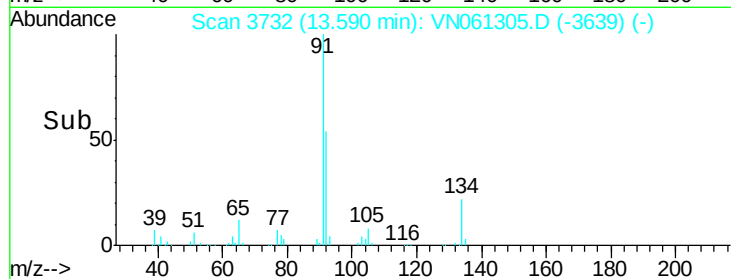
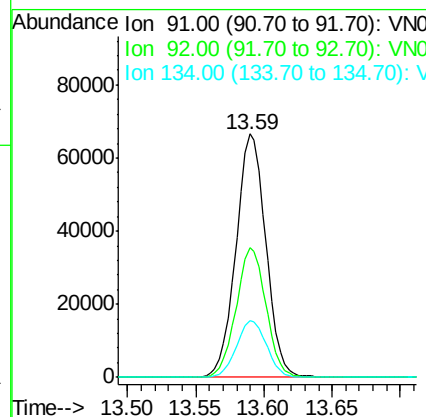
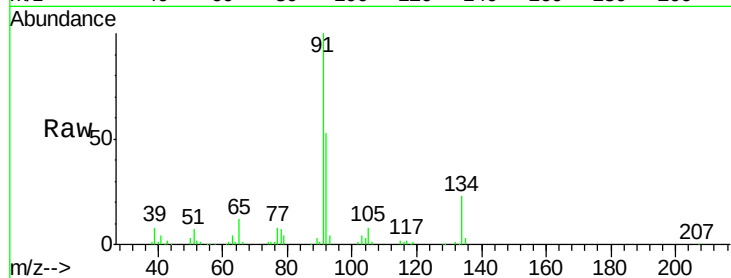
#89
n-Butylbenzene
Concen: 20.685 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	101279		
92	53.0		26.8	80.3
134	23.5		11.9	35.5

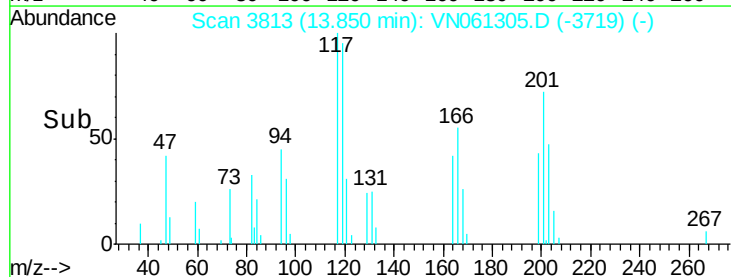
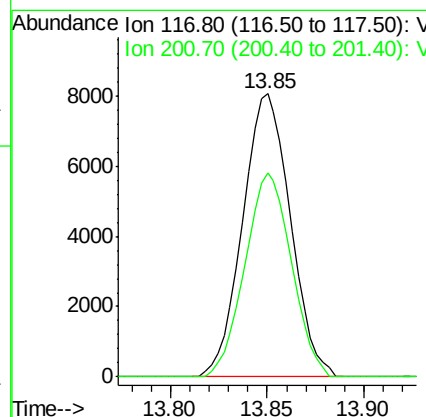
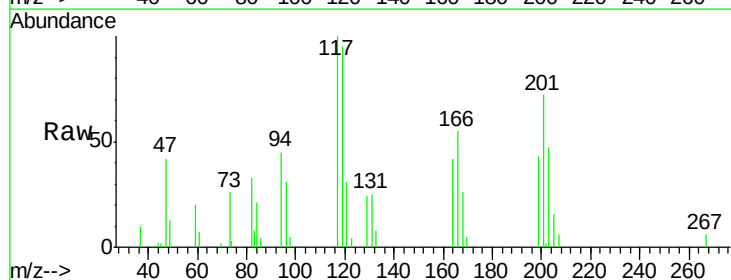
Manual Integrations
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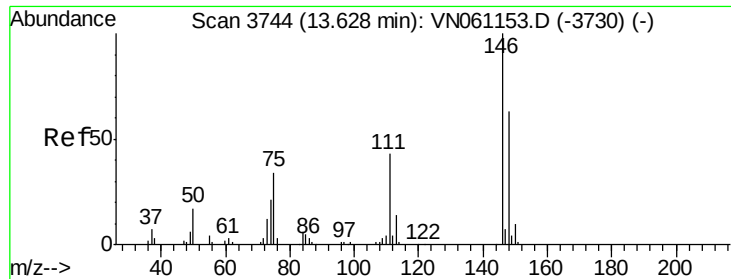
MMDadoda
5/7/2020 10:36:29 AM



#90
Hexachloroethane
Concen: 28.698 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	13852		
201	70.0		35.5	106.7





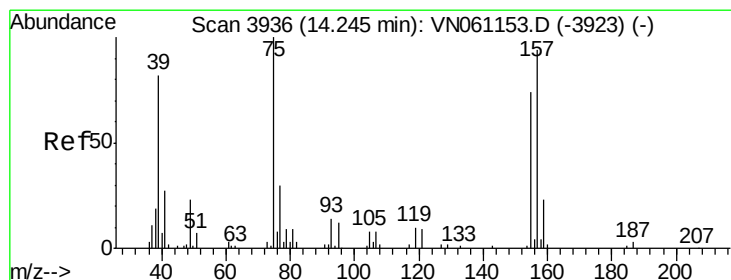
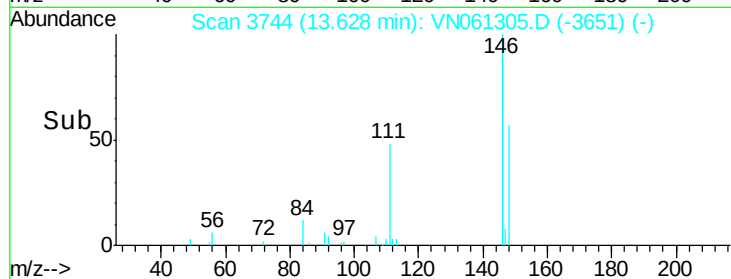
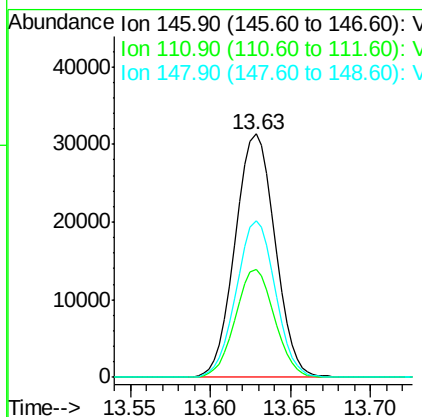
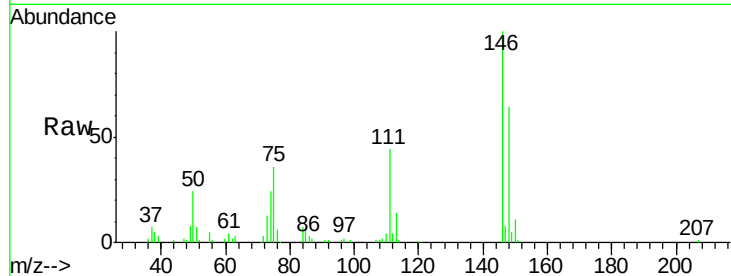
#91
 1,2-Dichlorobenzene
 Concen: 21.069 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	62.6	31.6	95.0

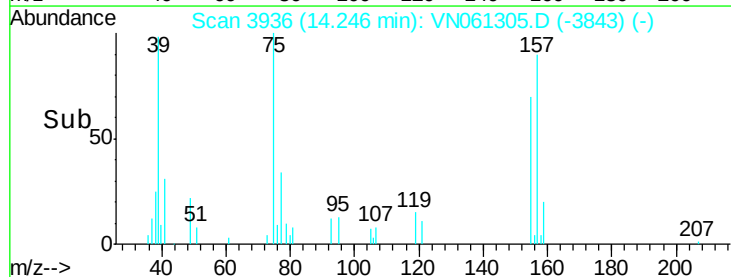
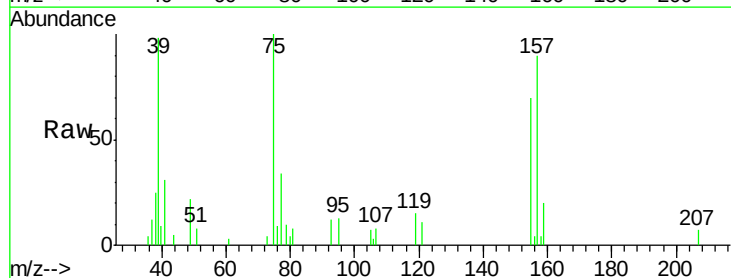
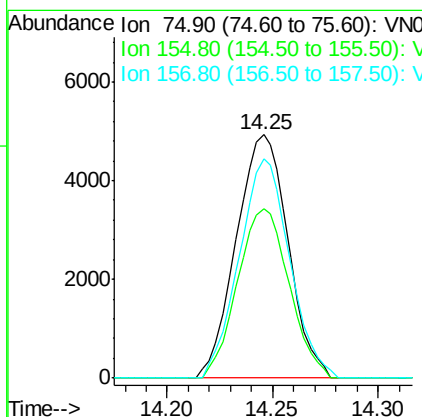
Manual Integrations
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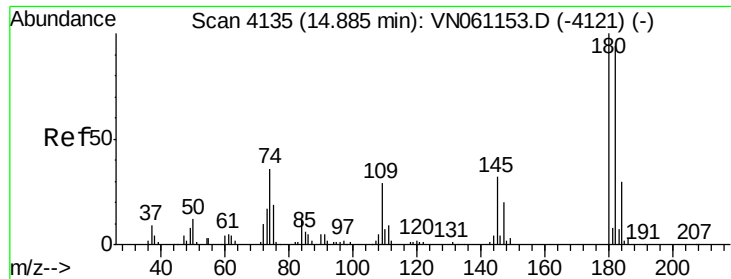
MMDadoda
 5/7/2020 10:36:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.483 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	36.5	109.7
157	87.8	46.6	139.7





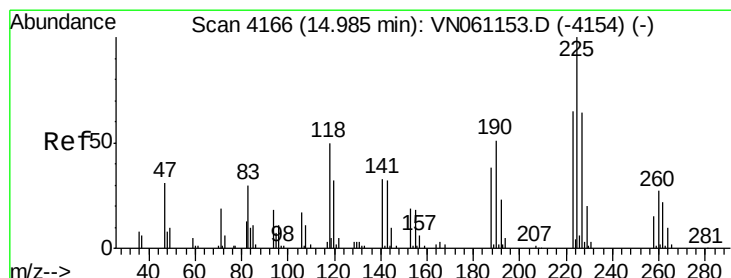
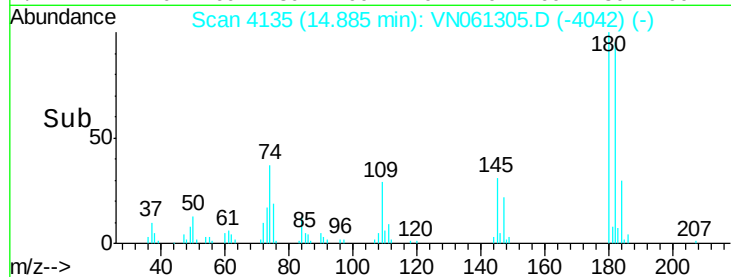
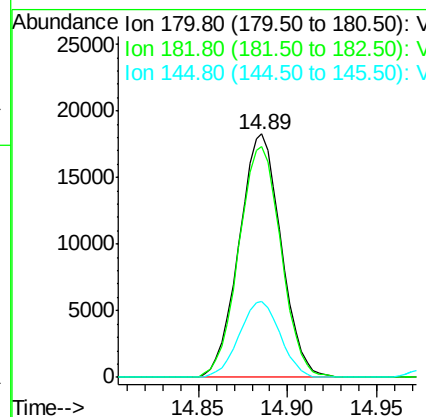
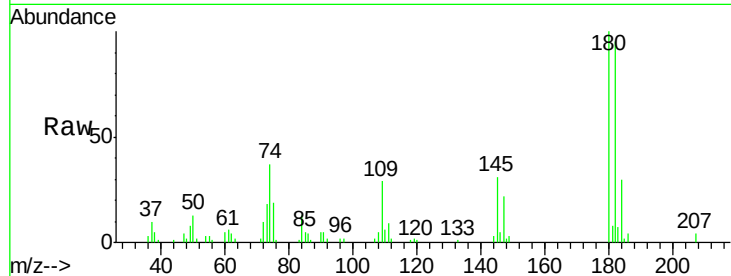
#93
 1,2,4-Trichlorobenzene
 Concen: 19.396 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29984		
182	95.1	47.3	141.9	
145	30.3	16.0	47.9	

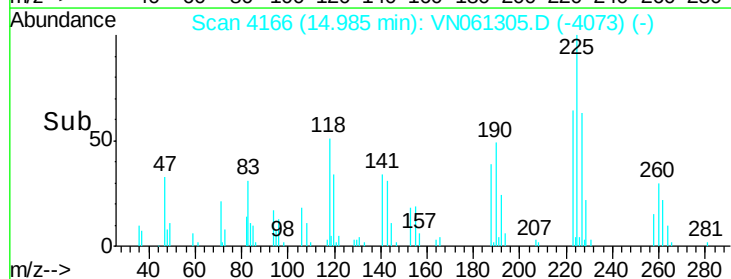
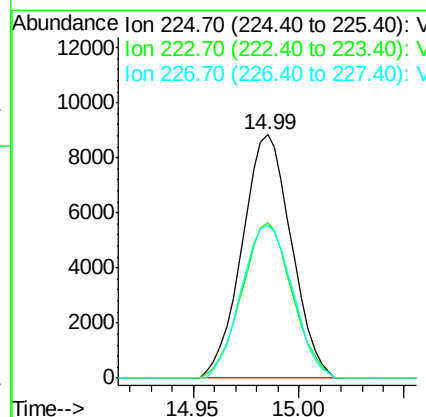
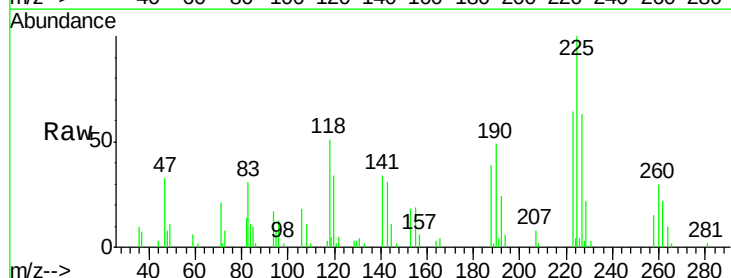
Manual Integrations
 APPROVED

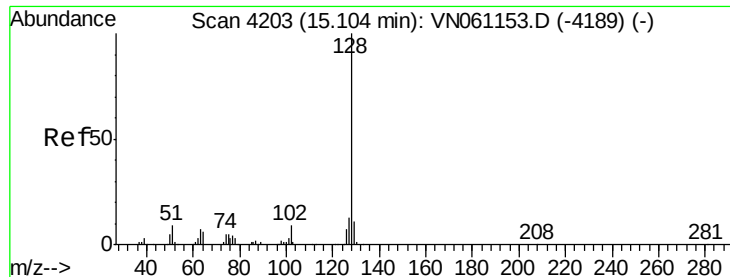
MMDadoda
 5/7/2020 10:36:29 AM



#94
 Hexachlorobutadiene
 Concen: 22.196 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061305.D
 Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	14335		
223	65.1	32.4	97.0	
227	65.2	32.4	97.0	





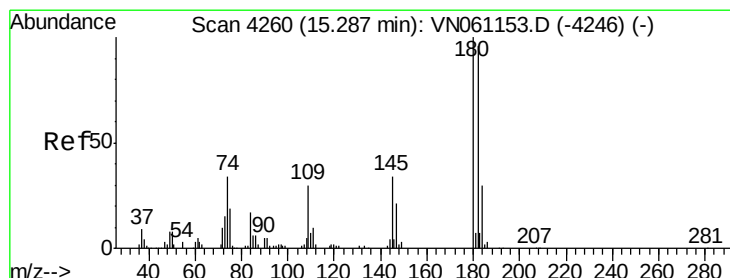
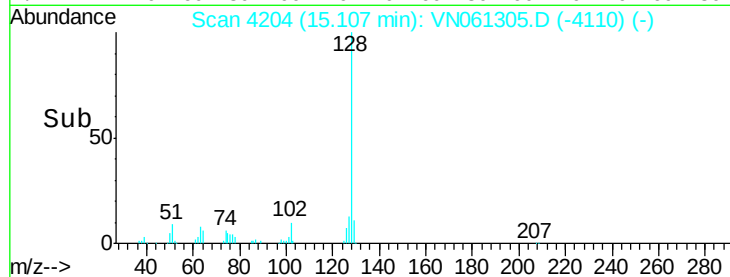
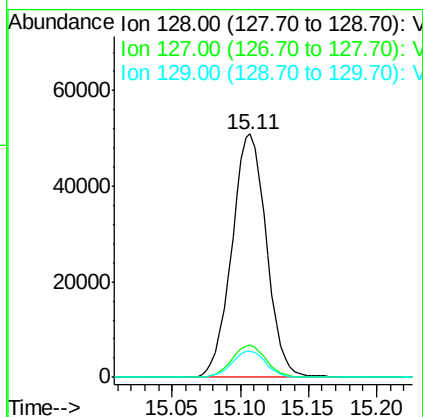
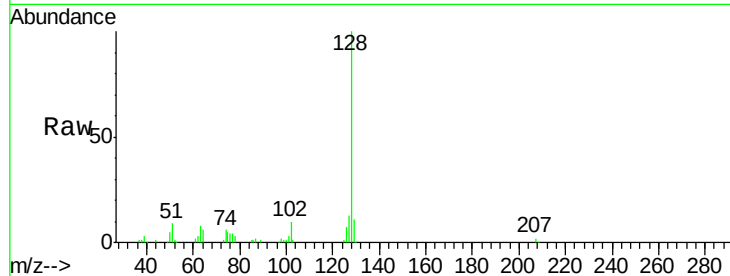
#95
Naphthalene
Concen: 17.787 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0506WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	89550		
127	13.0		10.4	15.6
129	10.5		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.333 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN061305.D
Acq: 6 May 2020 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	29507		
182	93.3		47.5	142.5
145	34.5		16.9	50.7

