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 Data File : VN068991.D
 Acq On : 18 Oct 2021 20:11
 Operator : JC/MD
 Sample : M4244-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:40:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

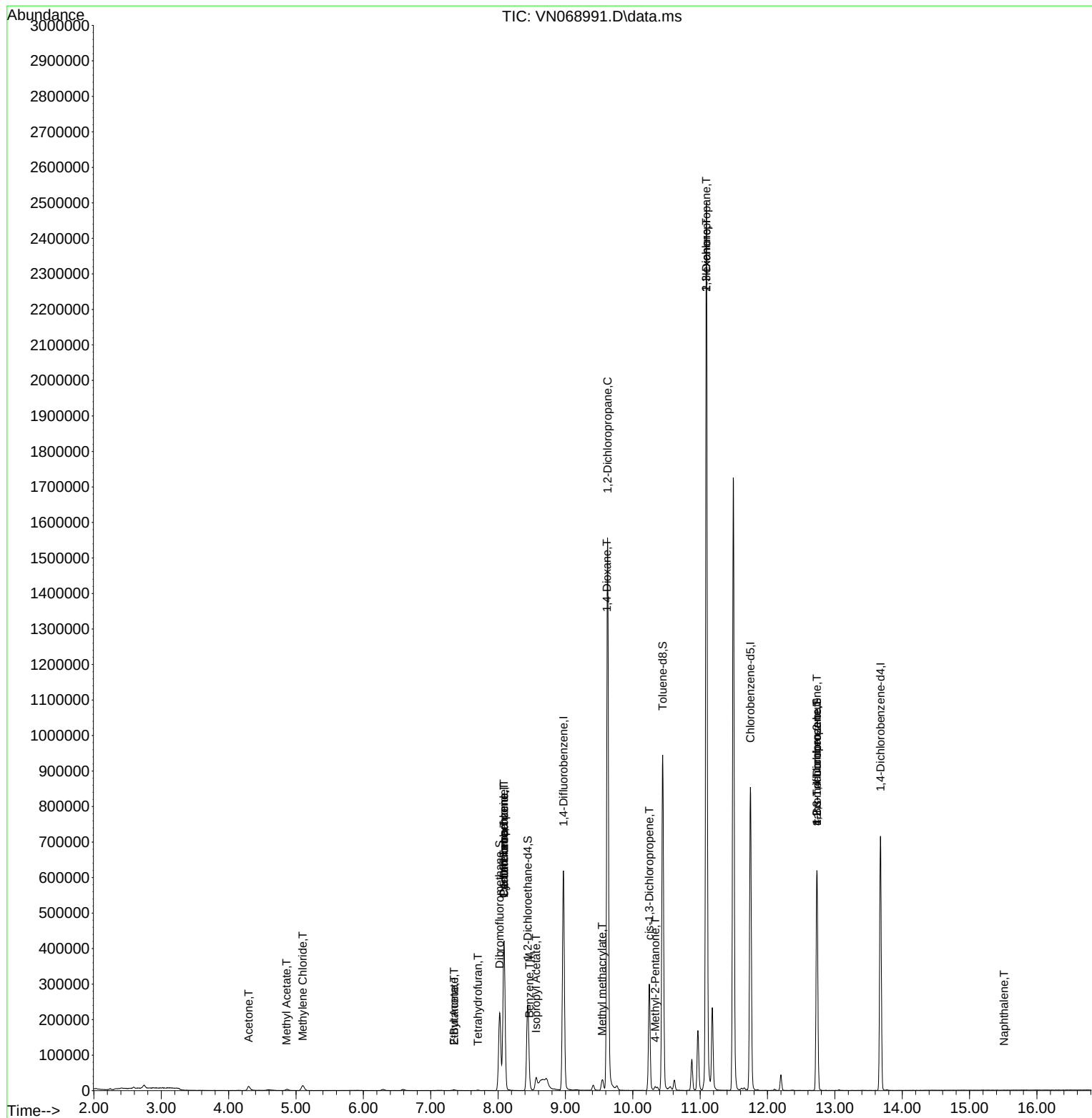
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	314938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	554376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	510925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	188172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	206044	49.621	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.240%
35) Dibromofluoromethane	8.024	113	163097	50.566	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.140%
50) Toluene-d8	10.443	98	680063	52.696	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.400%
62) 4-Bromofluorobenzene	12.733	95	234056	48.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.140%
Target Compounds						
					Qvalue	
16) Acetone	4.296	43	21402	13.812	ug/l	100
18) Methyl Acetate	4.859	43	3338	0.568	ug/l	91
20) Methylene Chloride	5.101	84	11790	3.306	ug/l	90
25) 2-Butanone	7.345	43	3754	1.602	ug/l	97
29) Tetrahydrofuran	7.702	42	1092	0.718	ug/l #	59
31) Cyclohexane	8.086	56	7394	1.145	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	26452	5.586	ug/l #	49
37) Ethyl Acetate	7.345	43	3754	0.768	ug/l #	68
38) Carbon Tetrachloride	8.086	117	32984	6.342	ug/l #	16
40) Benzene	8.464	78	5607	0.389	ug/l	98
43) Isopropyl Acetate	8.566	43	44698	5.180	ug/l #	85
45) 1,2-Dichloropropane	9.625	63	1850	0.494	ug/l #	43
48) Methyl methacrylate	9.545	41	8239	2.032	ug/l #	13
49) 1,4-Dioxane	9.617	88	154	37.513	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5458	1.091	ug/l #	86
54) cis-1,3-Dichloropropene	10.245	75	56405	9.043	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	27994	4.642	ug/l #	42
59) 2-Hexanone	11.092	43	388772	108.351	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	121085	30.243	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	121085	72.354	ug/l #	12
95) Naphthalene	15.512	128	240	3.837	ug/l #	69

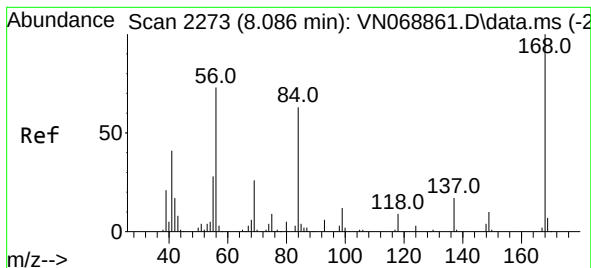
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068991.D

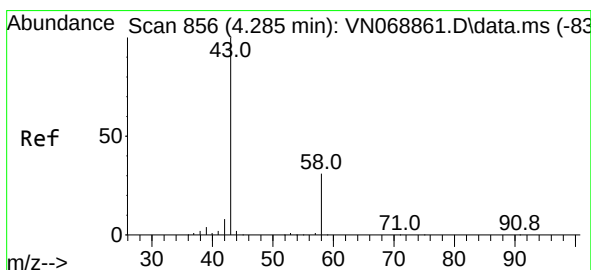
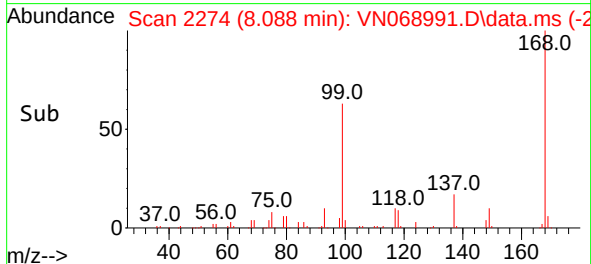
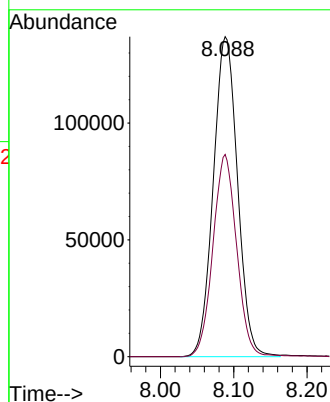
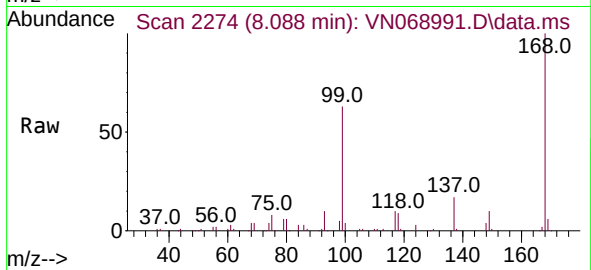
Acq: 18 Oct 2021 20:11

Tgt Ion:168 Resp: 314938

Ion Ratio Lower Upper

168 100

99 63.2 48.9 73.3



#16

Acetone

Concen: 13.812 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.011 min

Lab File: VN068991.D

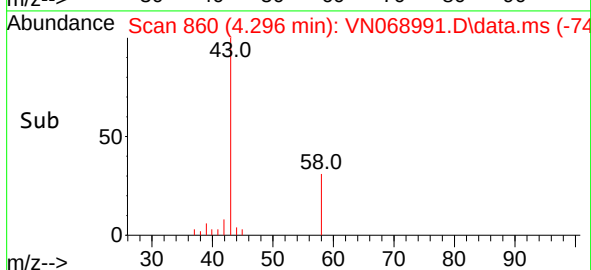
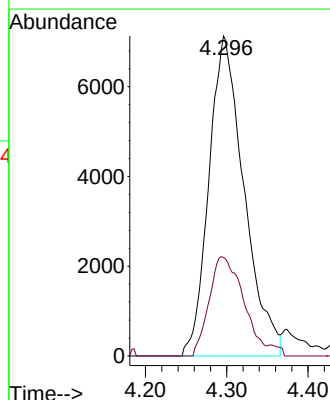
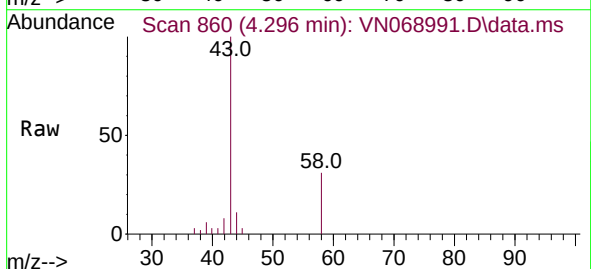
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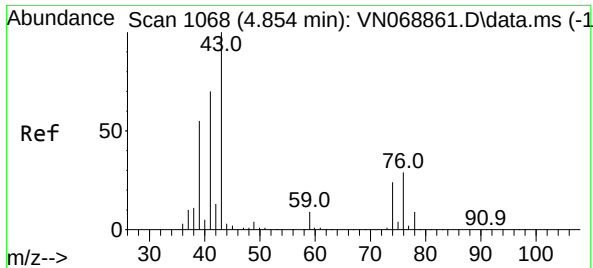
Tgt Ion: 43 Resp: 21402

Ion Ratio Lower Upper

43 100

58 30.8 24.5 36.7

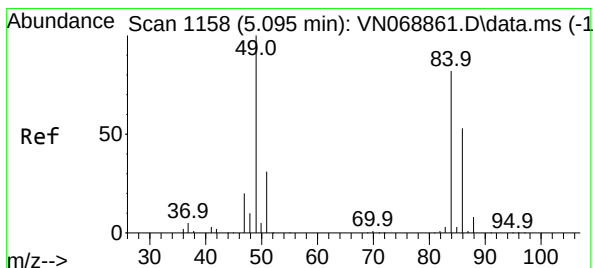
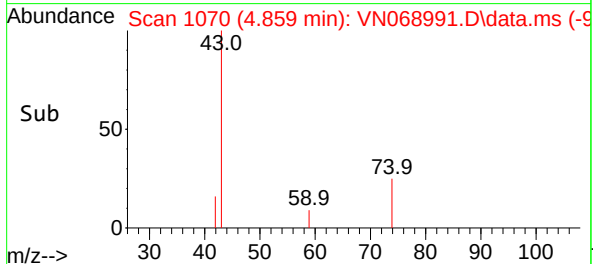
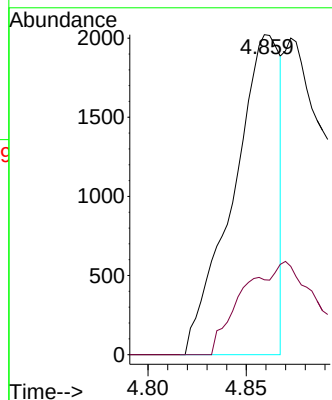
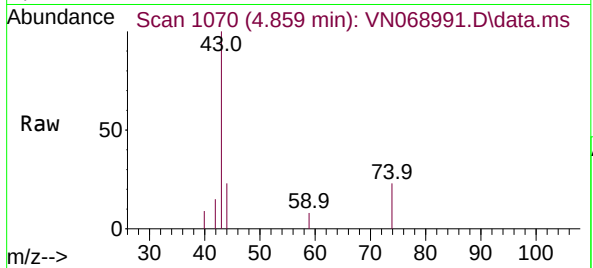




#18
Methyl Acetate
Concen: 0.568 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

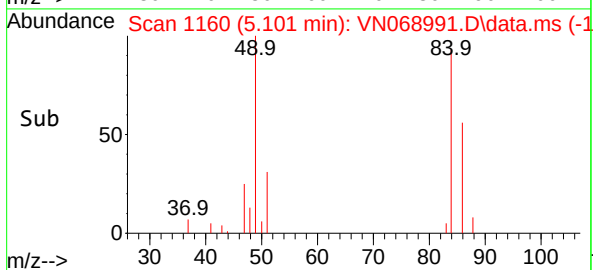
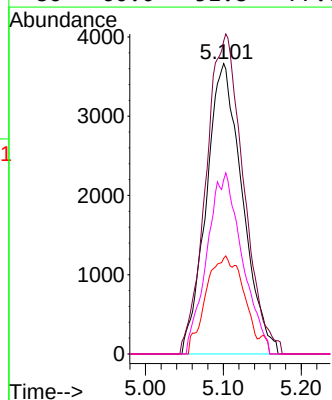
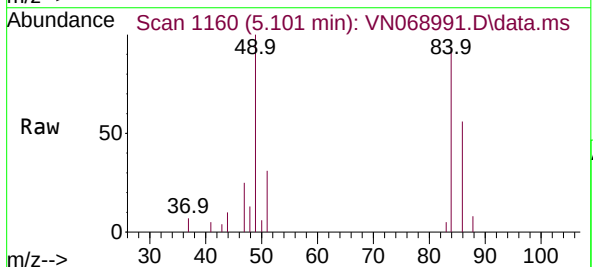
Instrument :
MSVOA_N
ClientSampled :

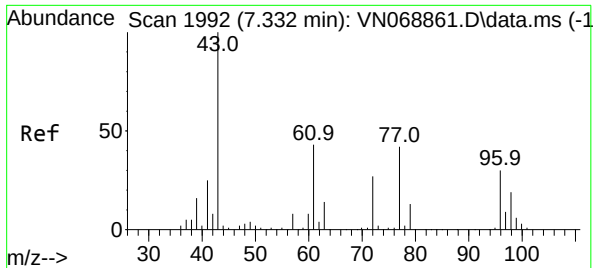
Tgt Ion: 43 Resp: 3338
Ion Ratio Lower Upper
43 100
74 19.1 18.9 28.3



#20
Methylene Chloride
Concen: 3.306 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 84 Resp: 11790
Ion Ratio Lower Upper
84 100
49 107.8 97.6 146.4
51 33.0 30.3 45.5
86 60.0 51.8 77.6

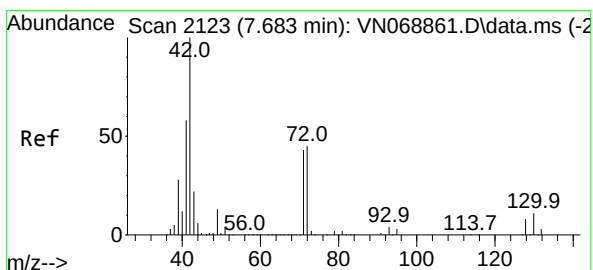
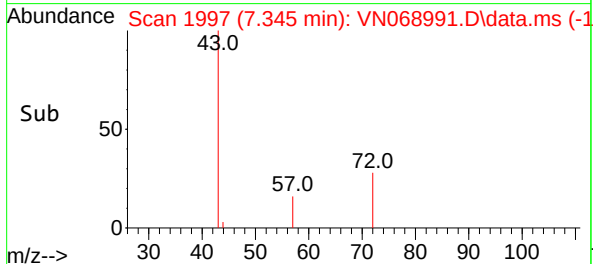
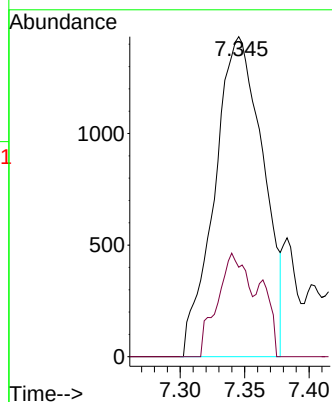
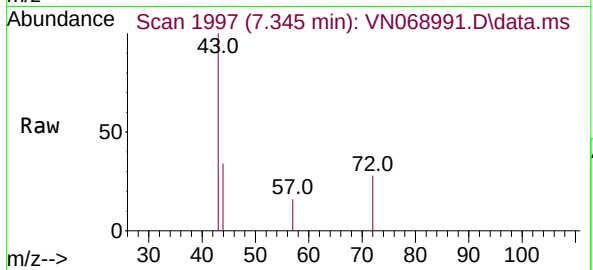




#25
2-Butanone
Concen: 1.602 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

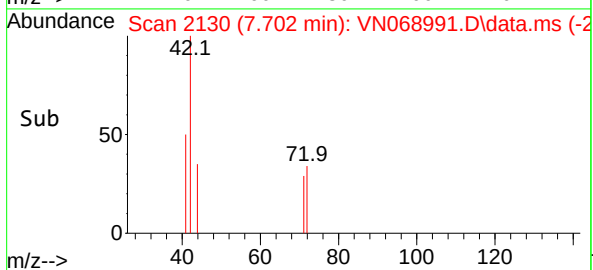
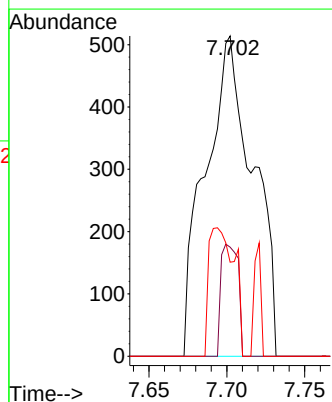
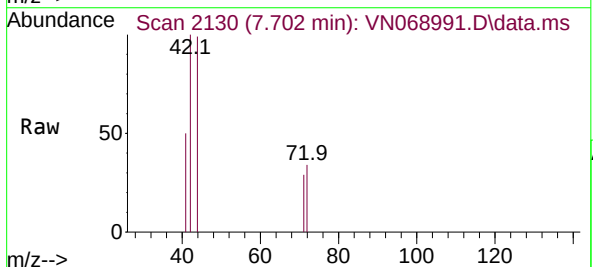
Instrument :
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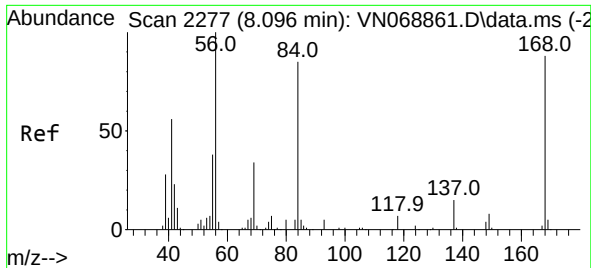
Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
72 28.0 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.718 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

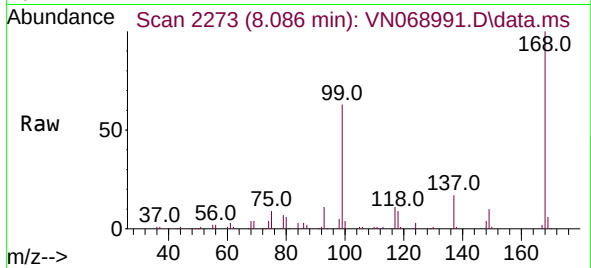
Tgt Ion: 42 Resp: 1092
Ion Ratio Lower Upper
42 100
72 12.5 35.4 53.2#
71 21.3 33.8 50.6#



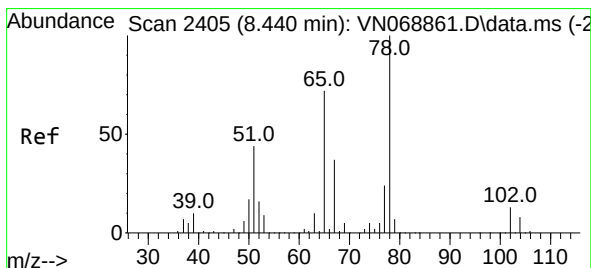
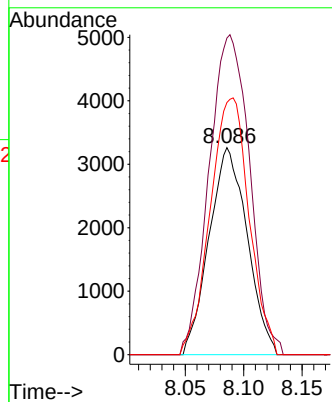
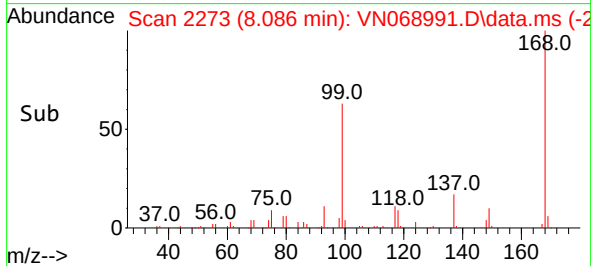


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

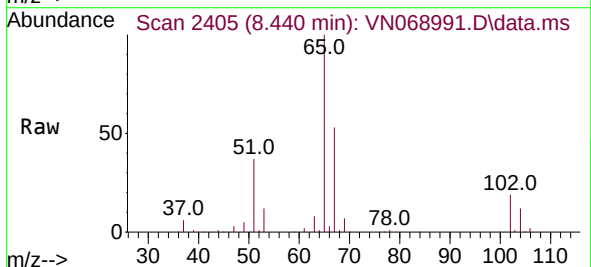
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ClientSampled :



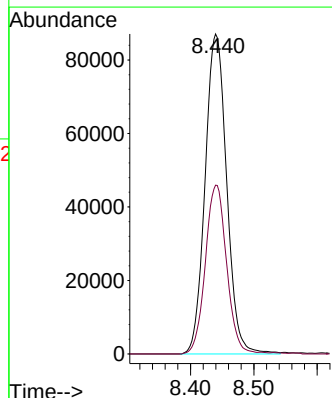
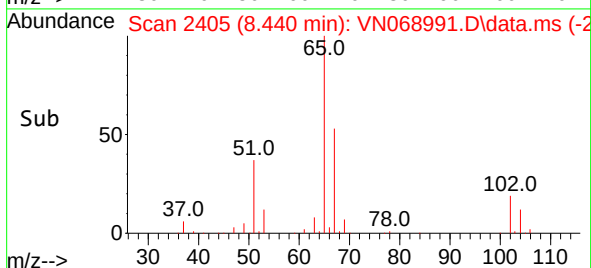
Tgt Ion: 56 Resp: 7394
Ion Ratio Lower Upper
56 100
69 152.9 26.9 40.3#
84 121.8 67.6 101.4#

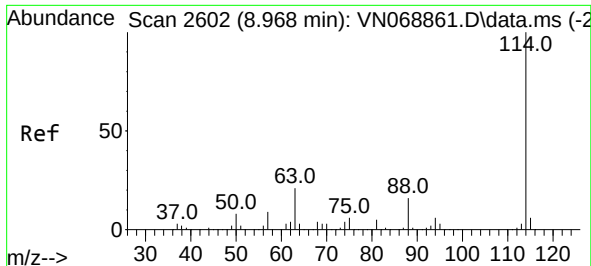


#33
1,2-Dichloroethane-d4
Concen: 49.621 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11



Tgt Ion: 65 Resp: 206044
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.8

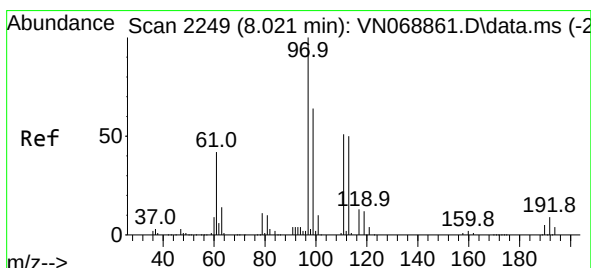
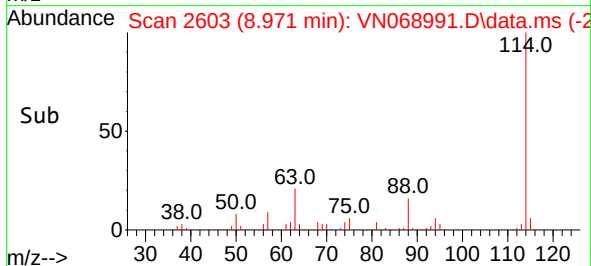
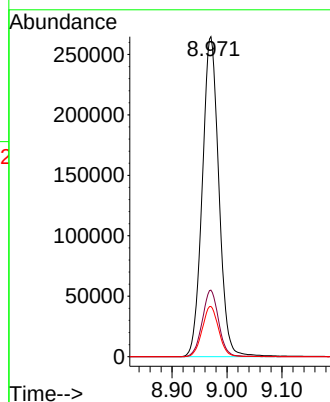
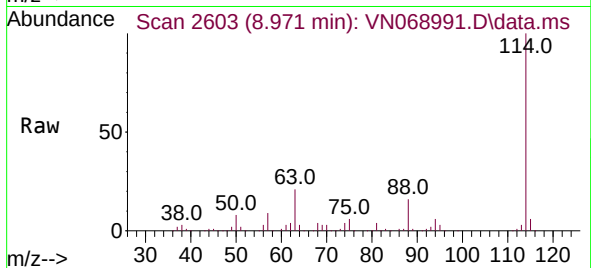




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

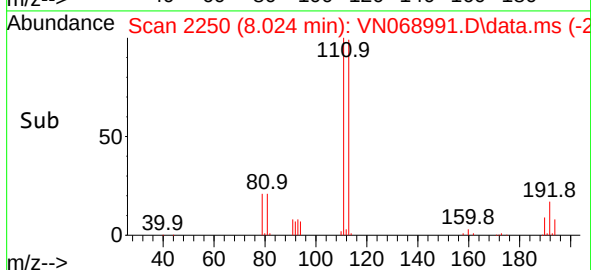
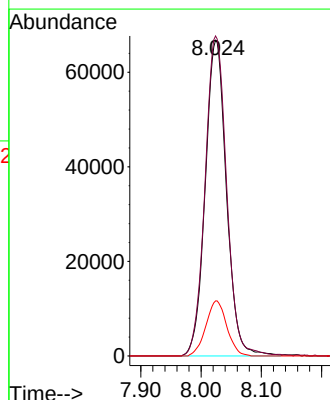
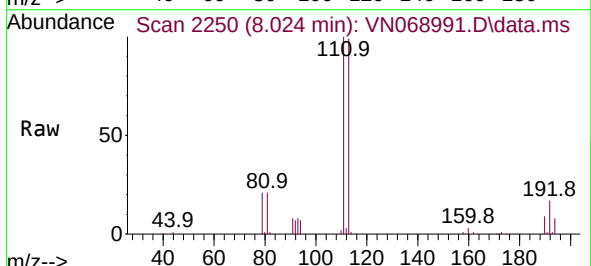
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MSVOA_N
ClientSampled :

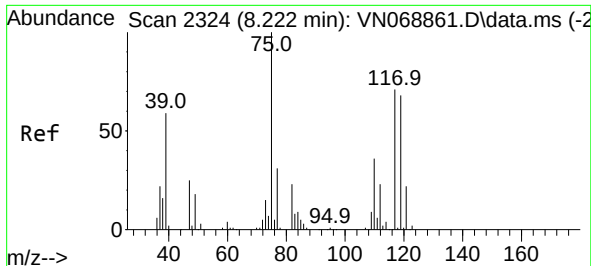
Tgt Ion:114 Resp: 554376
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.566 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

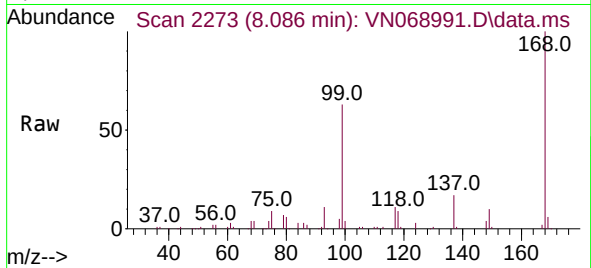
Tgt Ion:113 Resp: 163097
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 17.2 15.0 22.4



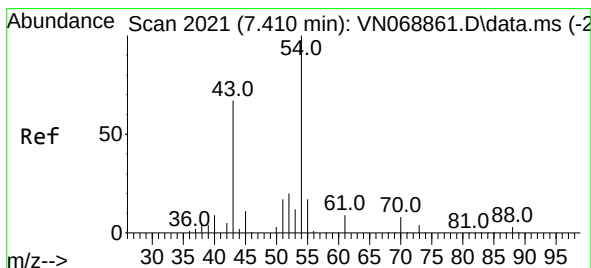
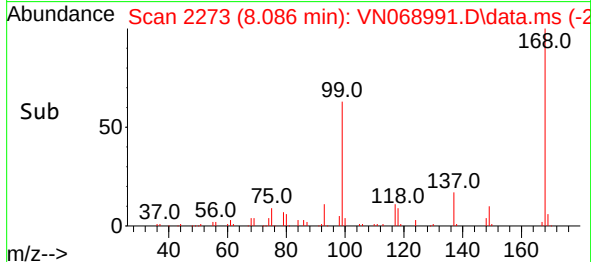
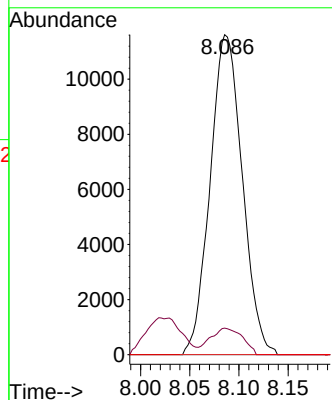


#36
1,1-Dichloropropene
Concen: 5.586 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Instrument :
MSVOA_N
ClientSampled :

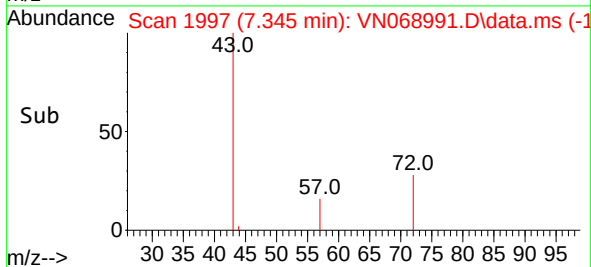
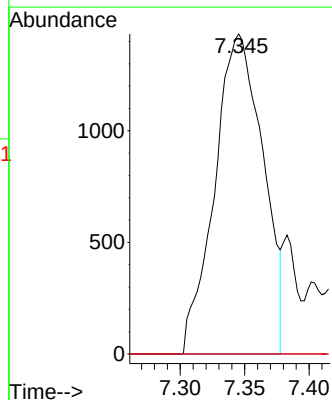
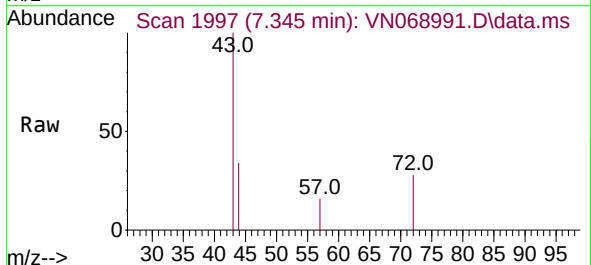


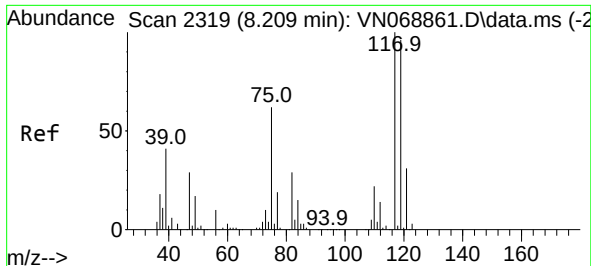
Tgt Ion: 75 Resp: 26452
Ion Ratio Lower Upper
75 100
110 8.3 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.768 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

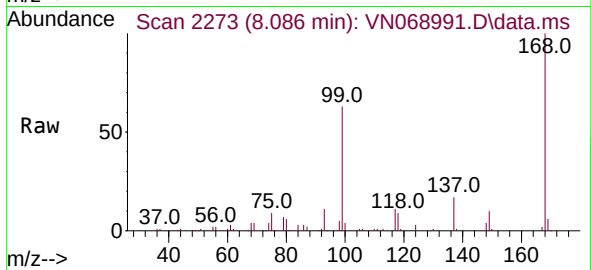
Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



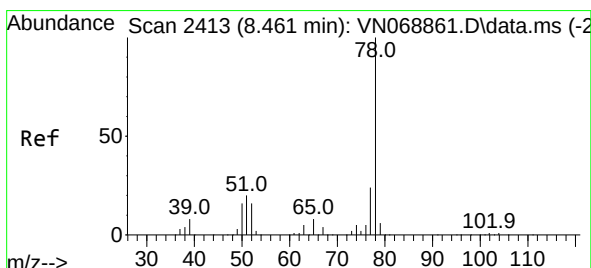
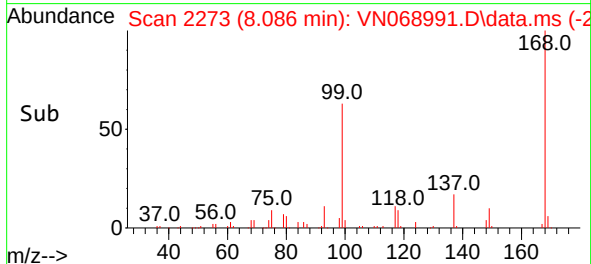
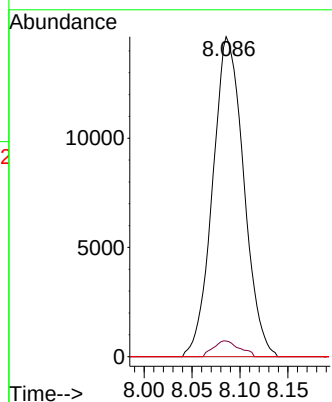


#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Instrument :
MSVOA_N
ClientSampled :

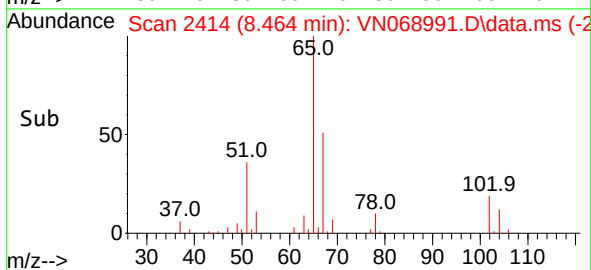
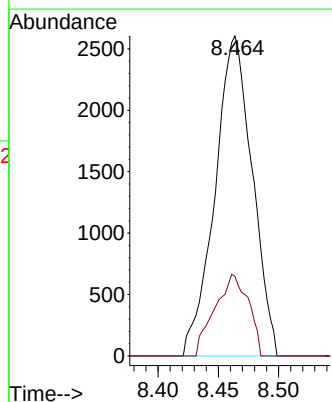
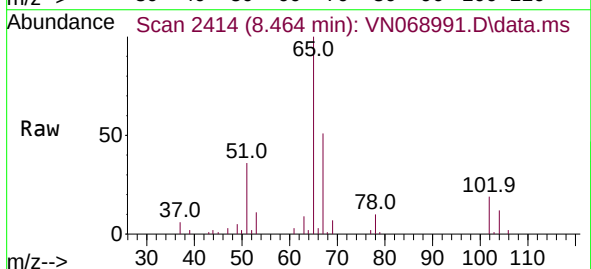


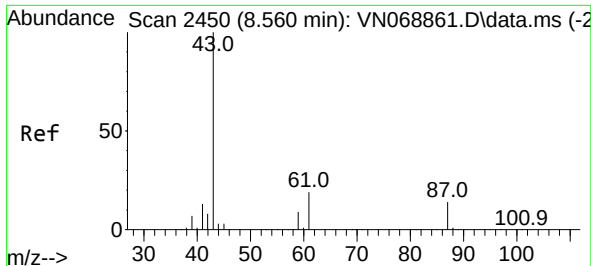
Tgt Ion:117 Resp: 32984
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.389 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 78 Resp: 5607
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7

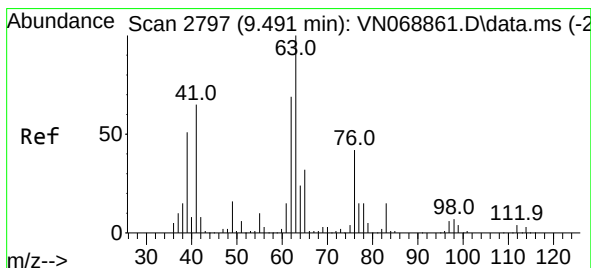
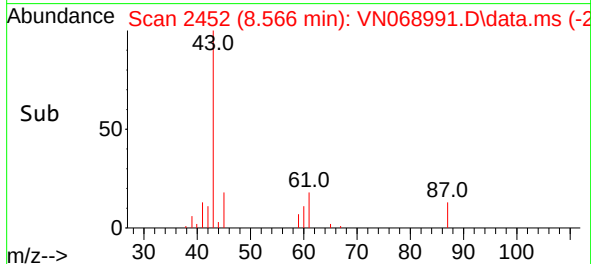
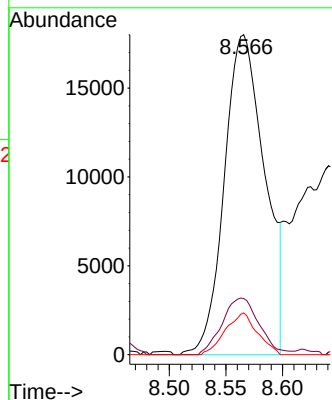
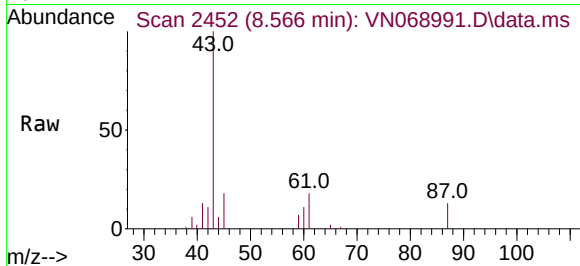




#43
Isopropyl Acetate
Concen: 5.180 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

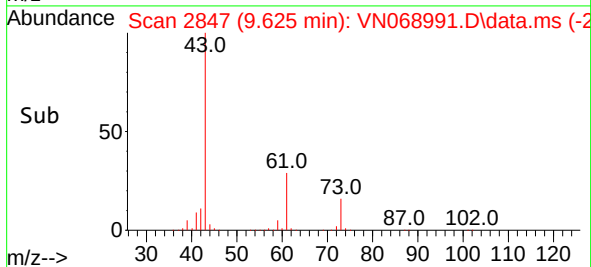
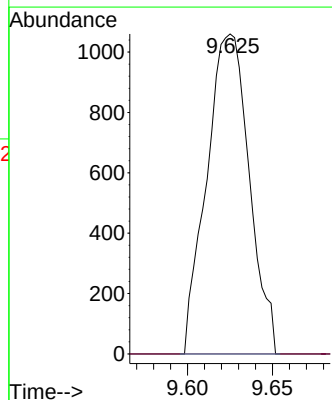
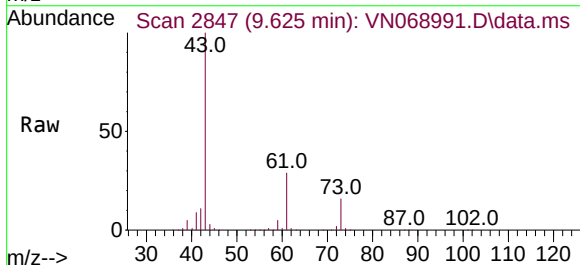
Instrument :
MSVOA_N
ClientSampled :

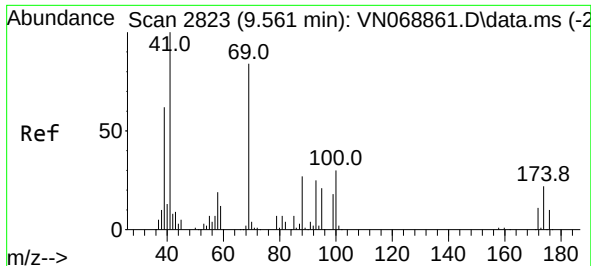
Tgt Ion: 43 Resp: 44698
Ion Ratio Lower Upper
43 100
61 16.3 20.4 30.6#
87 10.3 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.494 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 63 Resp: 1850
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

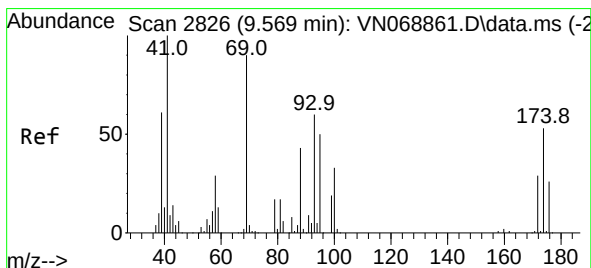
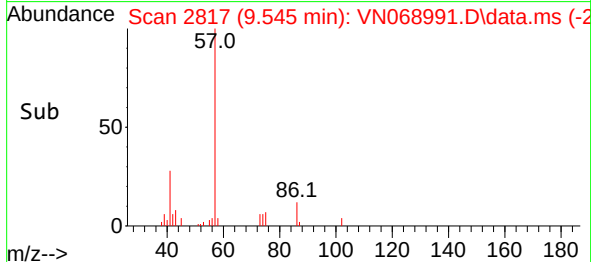
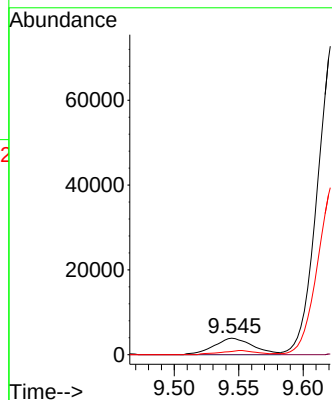
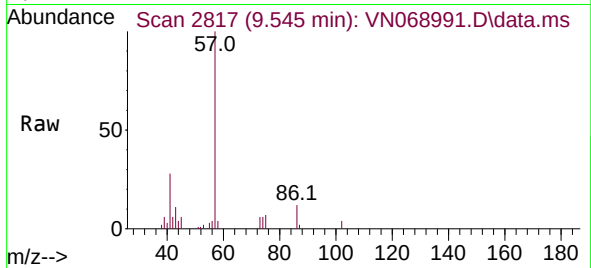




#48
Methyl methacrylate
Concen: 2.032 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

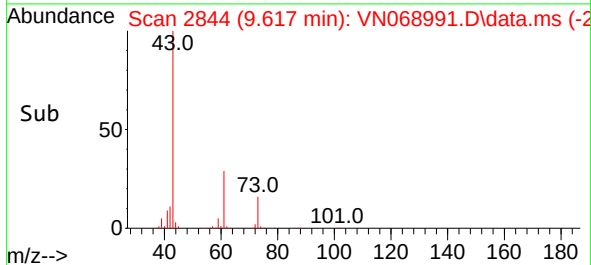
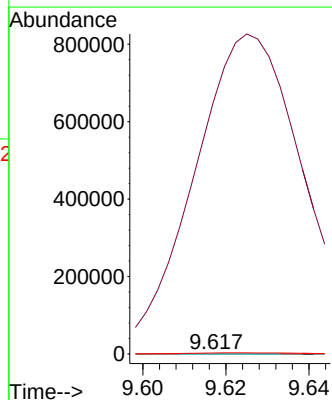
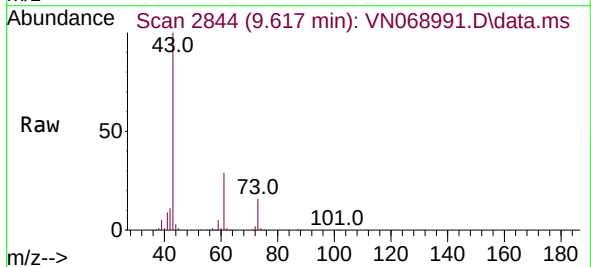
Instrument :
MSVOA_N
ClientSampled :

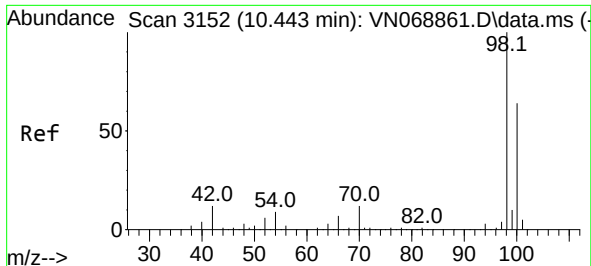
Tgt Ion: 41 Resp: 8239
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.513 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.048 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 88 Resp: 154
Ion Ratio Lower Upper
88 100
43 1032935.7 24.9 37.3#
58 3816.2 56.9 85.3#

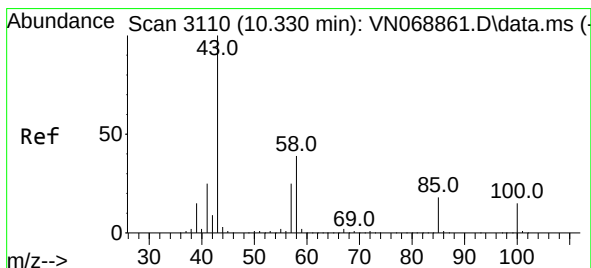
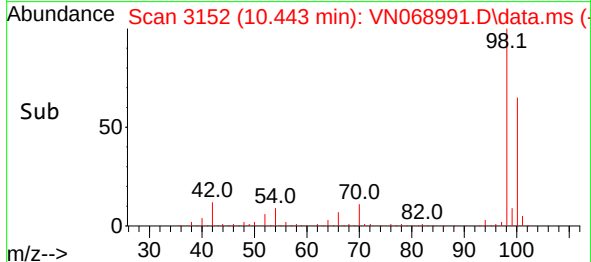
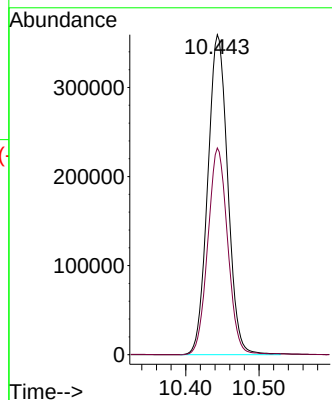
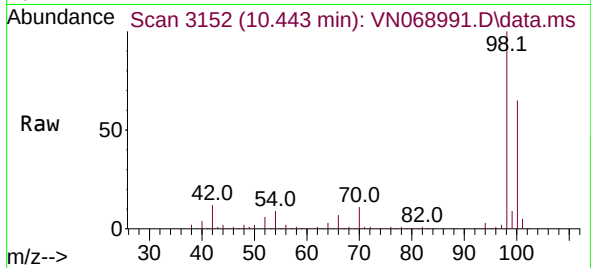




#50
Toluene-d8
Concen: 52.696 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

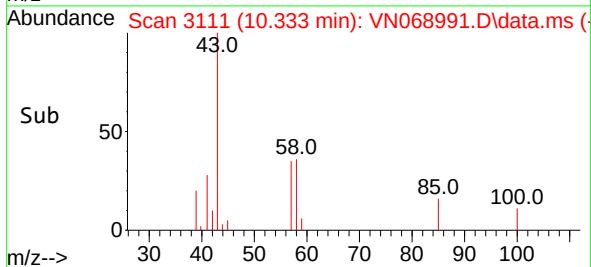
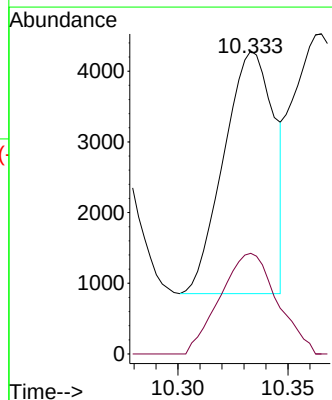
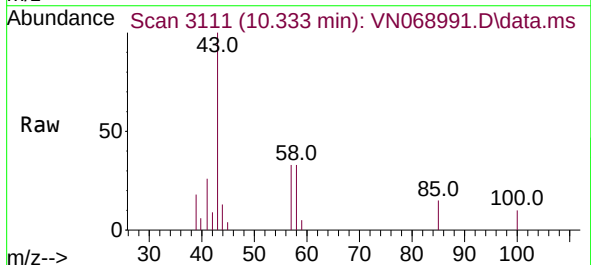
Instrument :
MSVOA_N
ClientSampled :

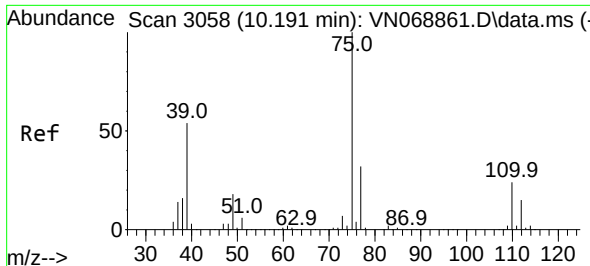
Tgt Ion: 98 Resp: 680063
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.091 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 43 Resp: 5458
Ion Ratio Lower Upper
43 100
58 47.1 31.0 46.4#

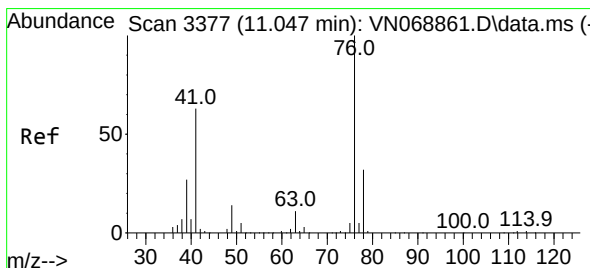
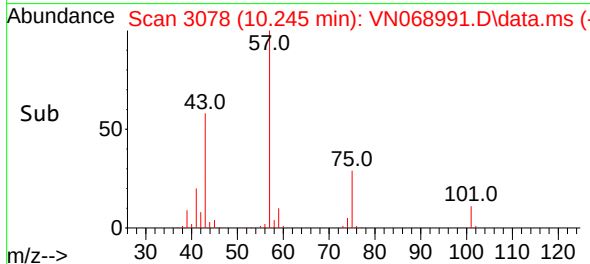
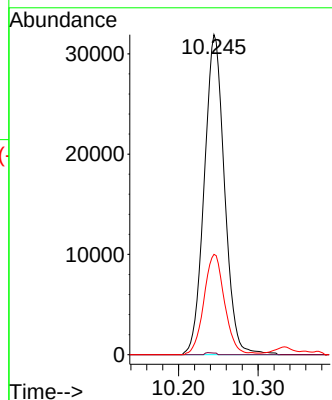
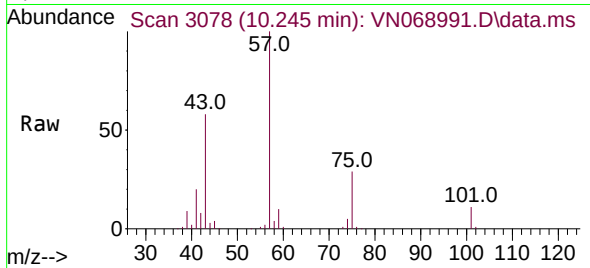




#54
cis-1,3-Dichloropropene
Concen: 9.043 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

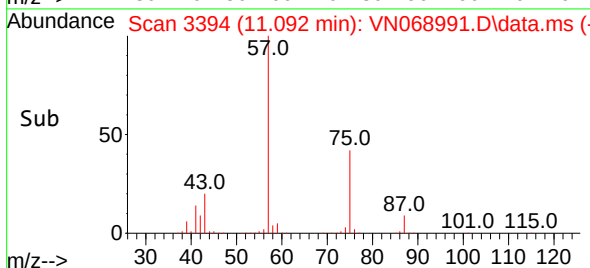
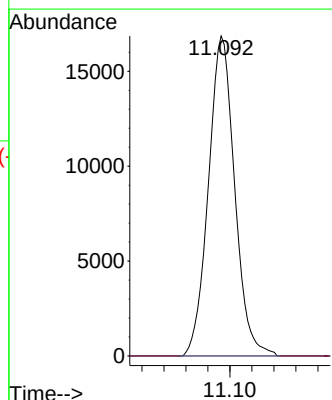
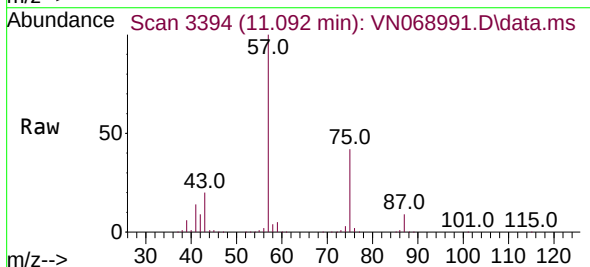
Instrument :
MSVOA_N
ClientSampled :

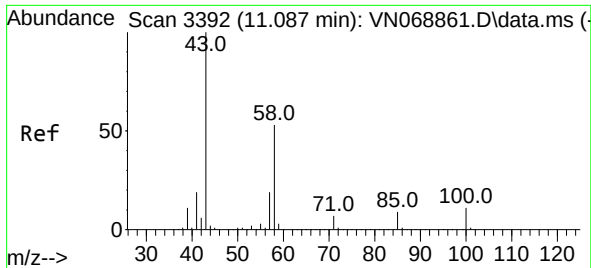
Tgt Ion: 75 Resp: 56405
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.4 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.642 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 76 Resp: 27994
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

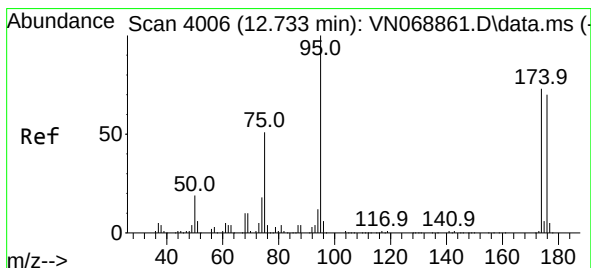
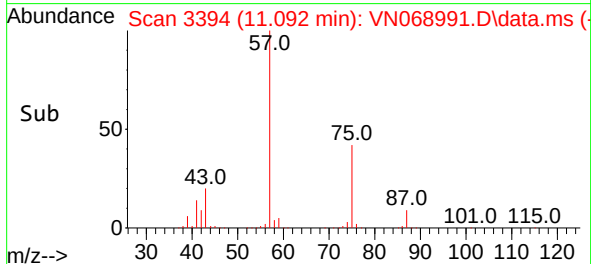
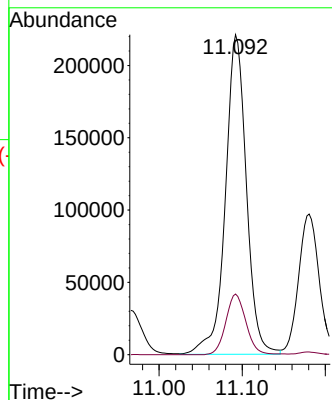
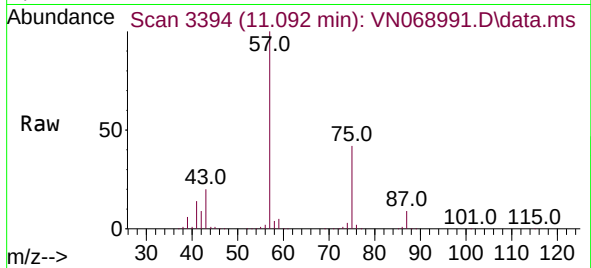




#59
2-Hexanone
Concen: 108.351 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

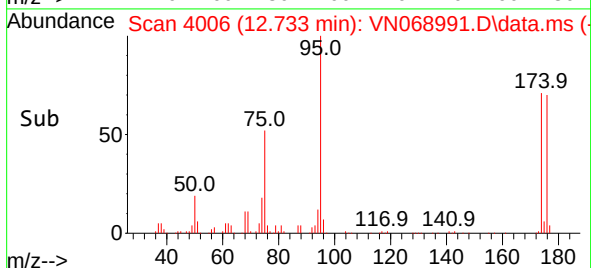
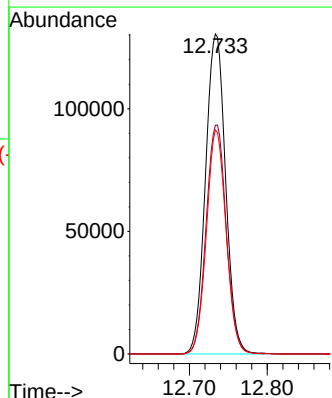
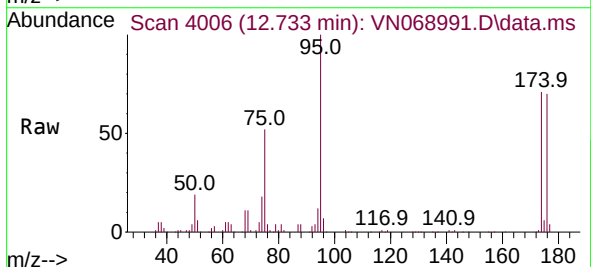
Instrument :
MSVOA_N
ClientSampled :

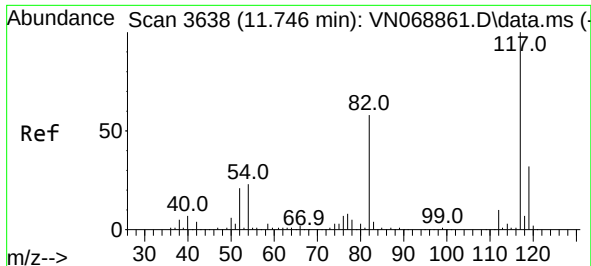
Tgt Ion: 43 Resp: 388772
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.070 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion: 95 Resp: 234056
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 68.4 0.0 140.0

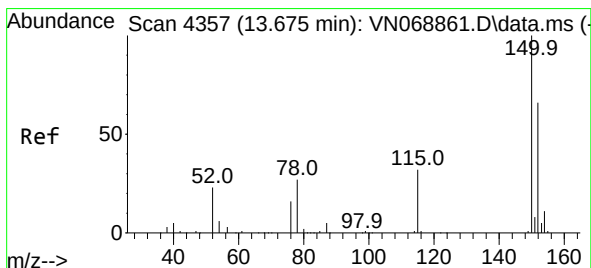
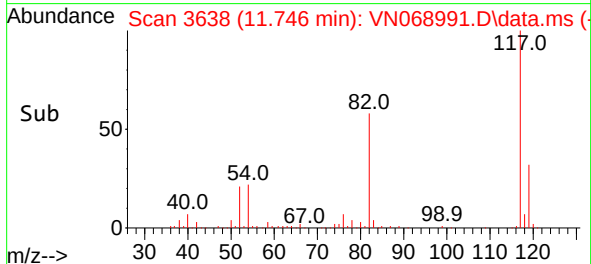
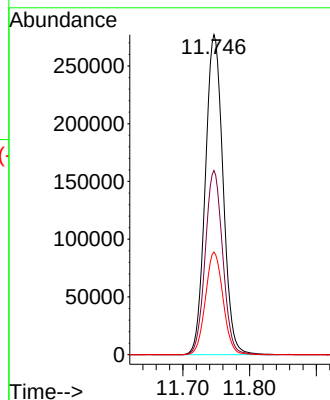
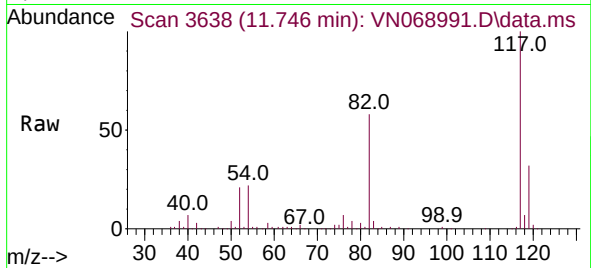




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

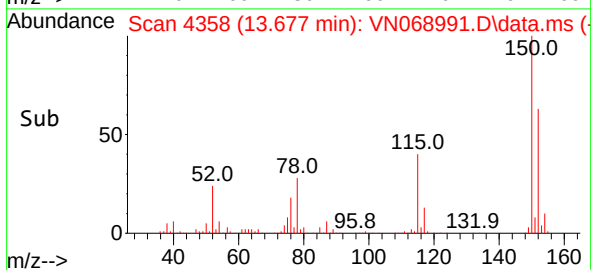
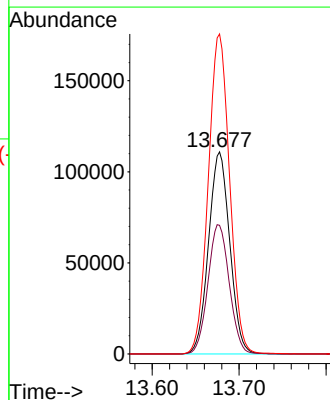
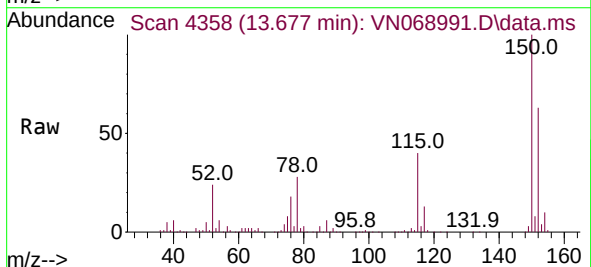
Instrument :
MSVOA_N
ClientSampled :

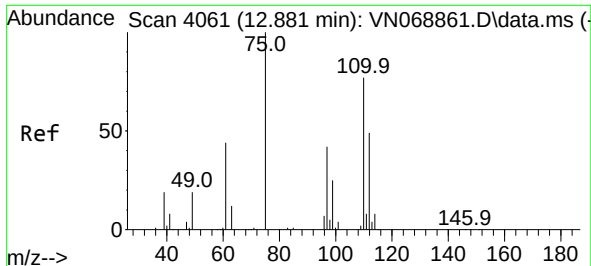
Tgt Ion:117 Resp: 510925
Ion Ratio Lower Upper
117 100
82 57.6 46.4 69.6
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Tgt Ion:152 Resp: 188172
Ion Ratio Lower Upper
152 100
115 64.3 31.4 94.3
150 158.7 0.0 351.0

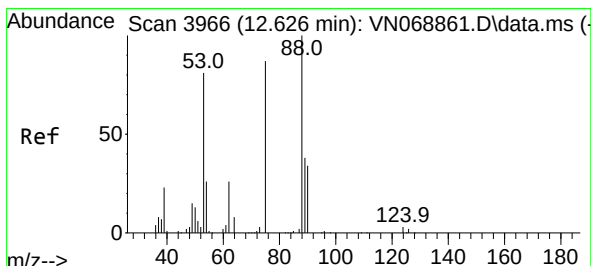
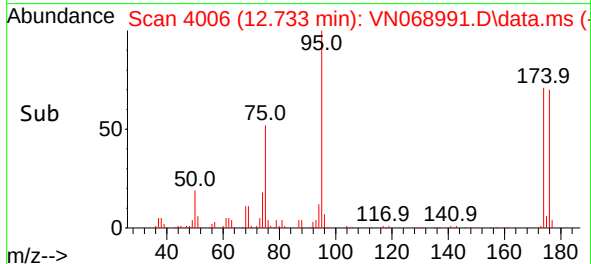
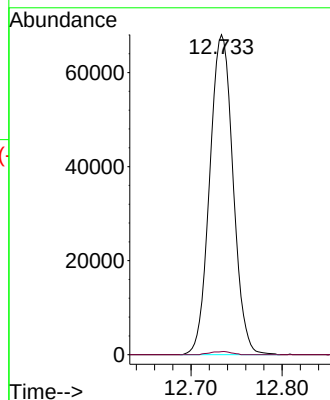
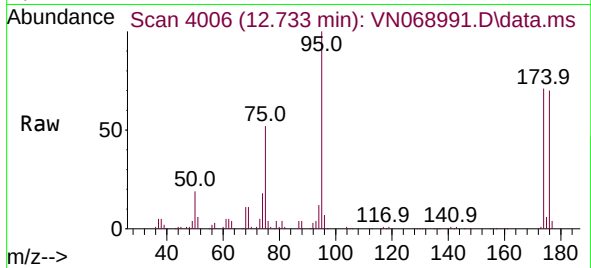




#76
1,2,3-Trichloropropane
Concen: 30.243 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

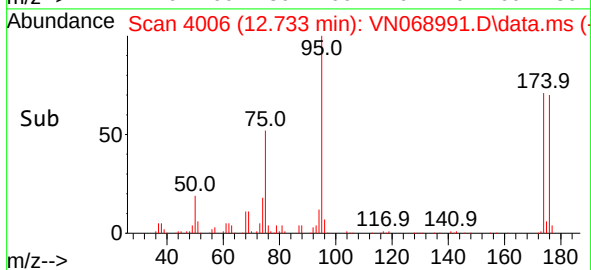
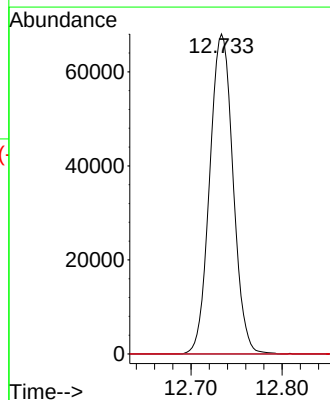
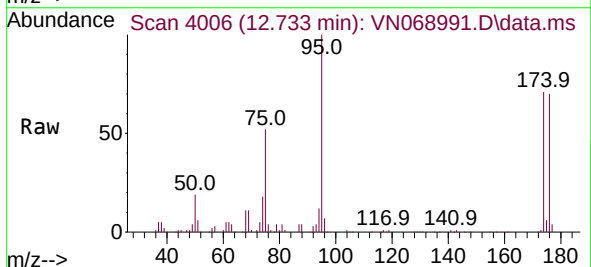
Instrument :
MSVOA_N
ClientSampled :

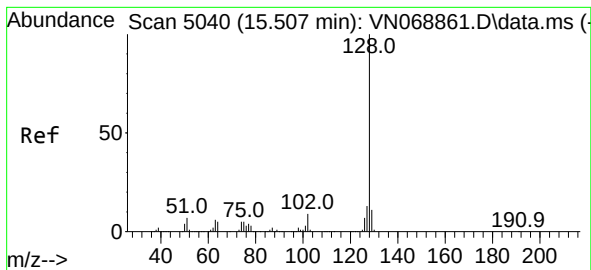
Tgt Ion: 75 Resp: 121085
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.354 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

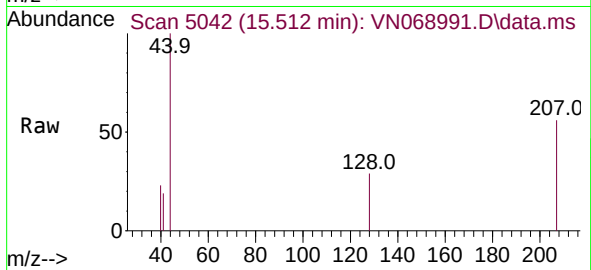
Tgt Ion: 75 Resp: 121085
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.837 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068991.D
Acq: 18 Oct 2021 20:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 240
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

