

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068975.D
 Acq On : 18 Oct 2021 13:28
 Operator : JC/MD
 Sample : M4243-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:35:16 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

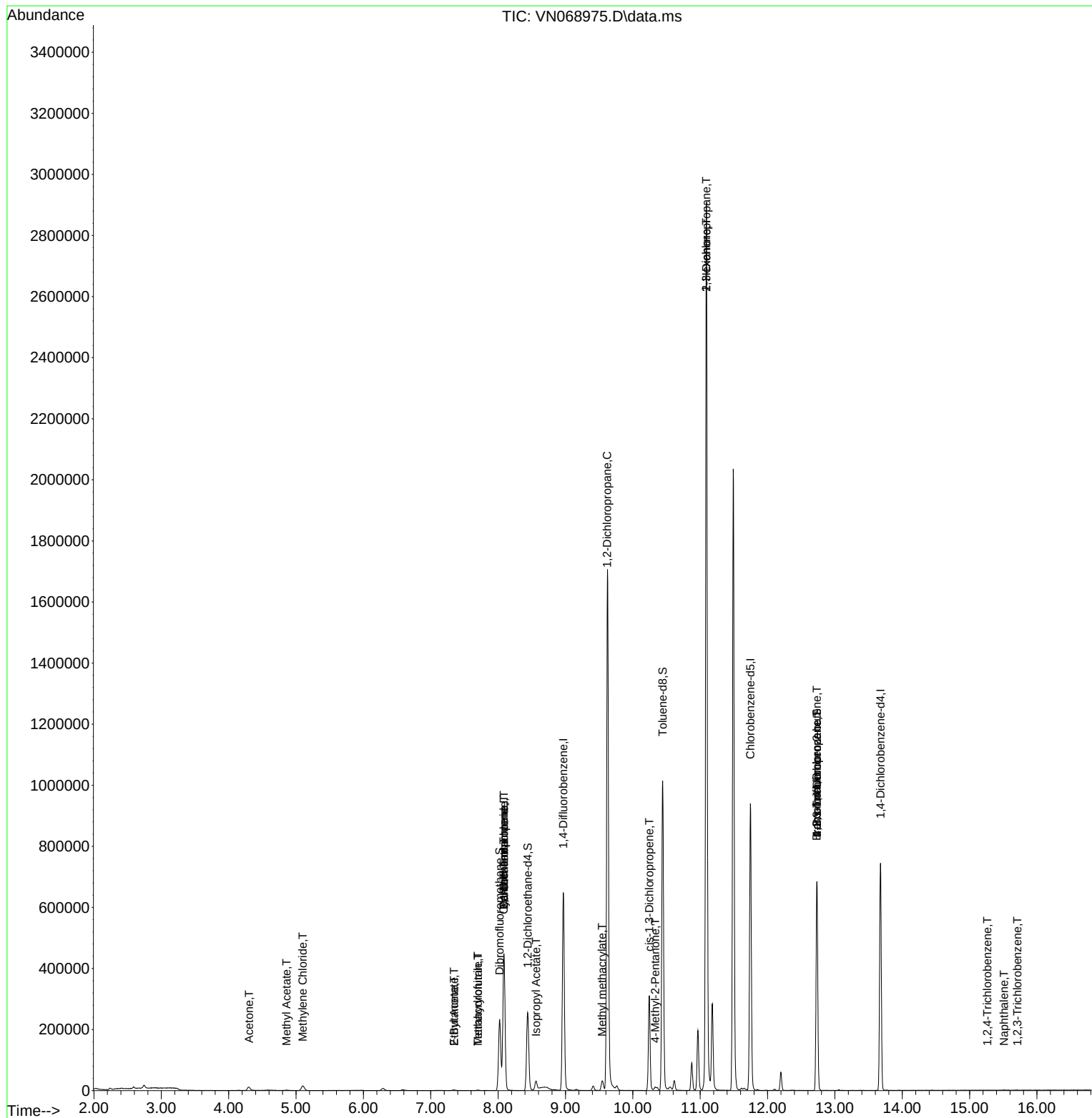
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	340083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	579707	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	552305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	199436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.439	65	217857	48.587	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.180%
35) Dibromofluoromethane	8.024	113	170290	50.489	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.980%
50) Toluene-d8	10.443	98	731593	54.212	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.420%
62) 4-Bromofluorobenzene	12.733	95	254946	50.073	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.140%
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	20376	12.177	ug/l	91
18) Methyl Acetate	4.856	43	1541	0.243	ug/l #	69
20) Methylene Chloride	5.100	84	12955	3.364	ug/l	91
25) 2-Butanone	7.345	43	4441	1.755	ug/l	90
29) Tetrahydrofuran	7.702	42	956	0.582	ug/l #	37
31) Cyclohexane	8.083	56	7523	1.079	ug/l #	4
36) 1,1-Dichloropropene	8.088	75	28079	5.671	ug/l #	49
37) Ethyl Acetate	7.345	43	4441	0.868	ug/l #	68
38) Carbon Tetrachloride	8.085	117	34692	6.379	ug/l #	16
41) Methacrylonitrile	7.699	41	957	0.371	ug/l #	31
43) Isopropyl Acetate	8.563	43	39661	4.395	ug/l #	88
45) 1,2-Dichloropropane	9.619	63	2183	0.558	ug/l #	43
48) Methyl methacrylate	9.544	41	8754	2.065	ug/l #	13
51) 4-Methyl-2-Pentanone	10.333	43	5690	1.088	ug/l #	86
54) cis-1,3-Dichloropropene	10.244	75	59682	9.150	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	31467	4.990	ug/l #	42
59) 2-Hexanone	11.092	43	452978	120.729	ug/l #	50
71) Bromoform	12.731	173	952	0.291	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	131297	30.941	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131297	74.025	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	174	2.651	ug/l #	77
95) Naphthalene	15.509	128	1632	3.975	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.708	180	192	2.571	ug/l #	42

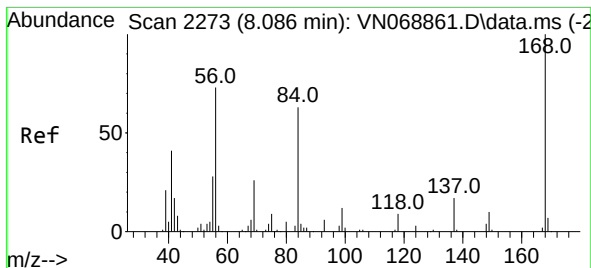
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

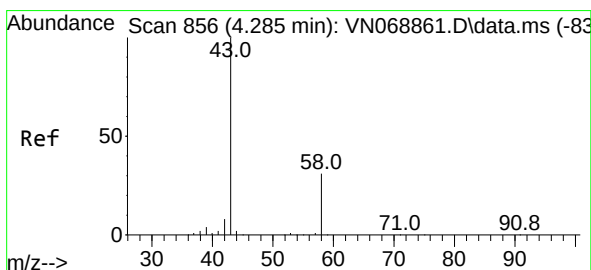
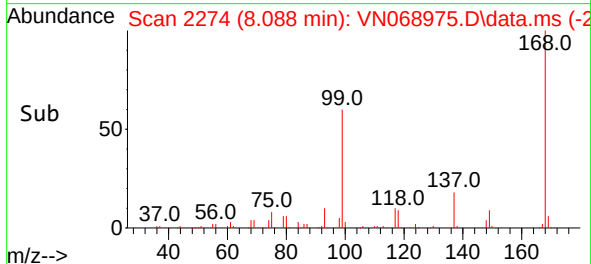
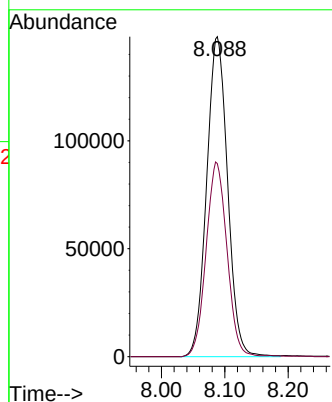
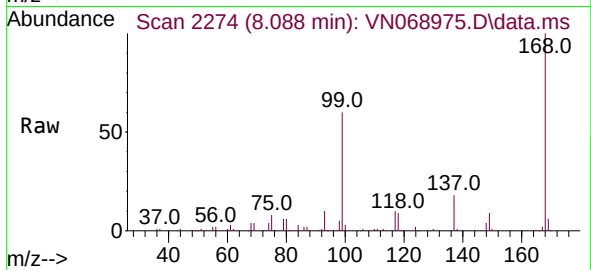
Lab File: VN068975.D

Acq: 18 Oct 2021 13:28

Tgt Ion:168 Resp: 340083

Ion Ratio Lower Upper

168 100
99 60.3 48.9 73.3



#16

Acetone

Concen: 12.177 ug/l

RT: 4.301 min Scan# 862

Delta R.T. 0.016 min

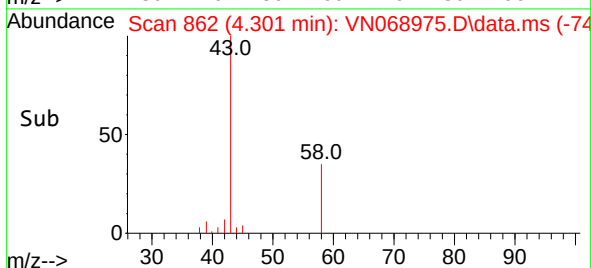
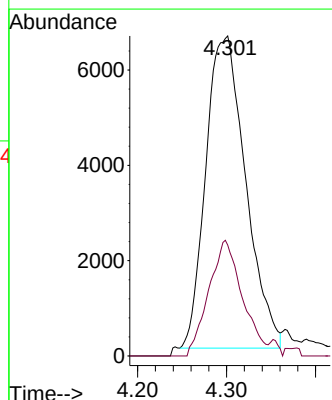
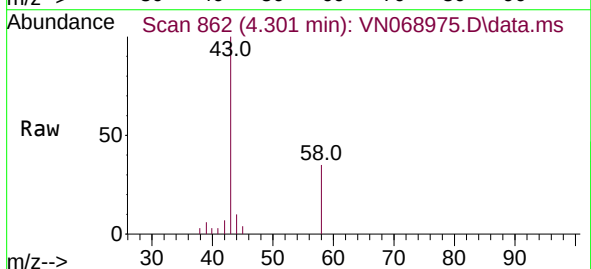
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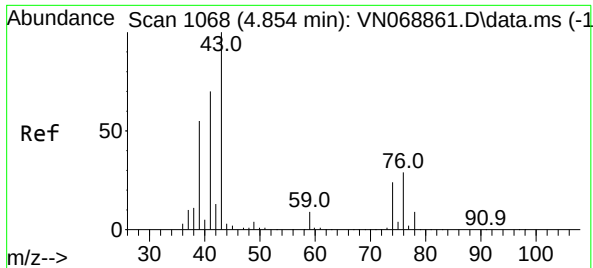
Acq: 18 Oct 2021 13:28

Tgt Ion: 43 Resp: 20376

Ion Ratio Lower Upper

43 100
58 35.5 24.5 36.7

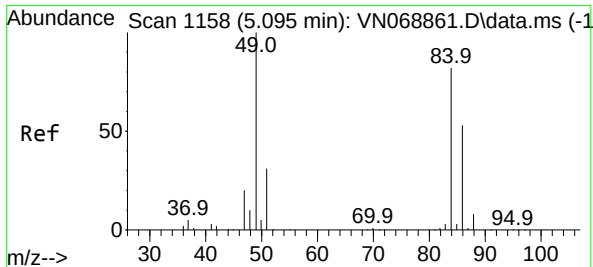
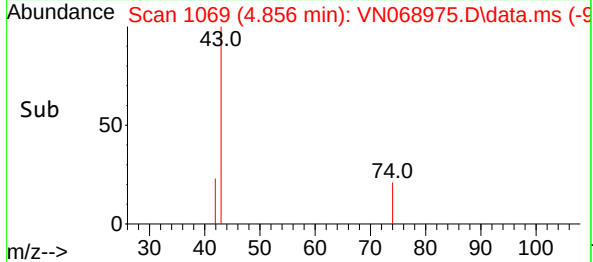
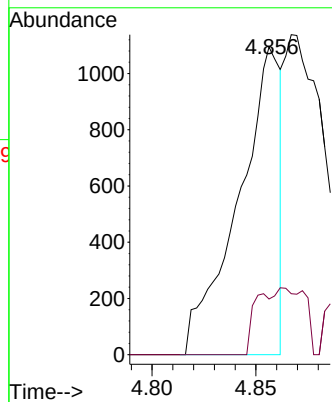
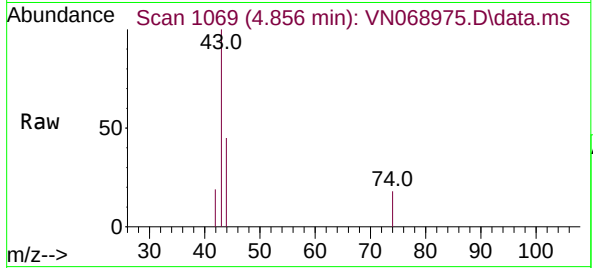




#18
Methyl Acetate
Concen: 0.243 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. 0.002 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

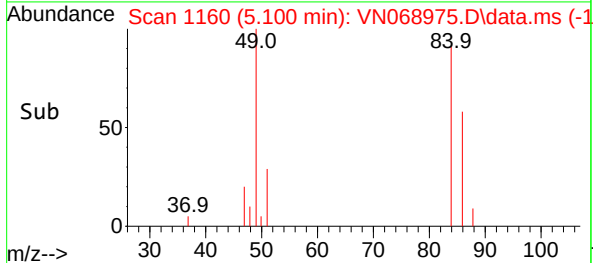
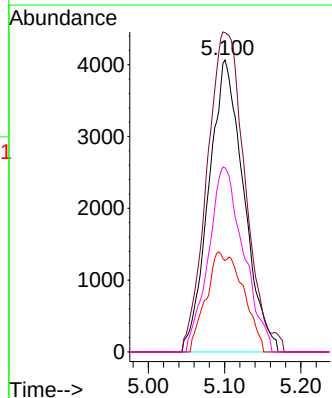
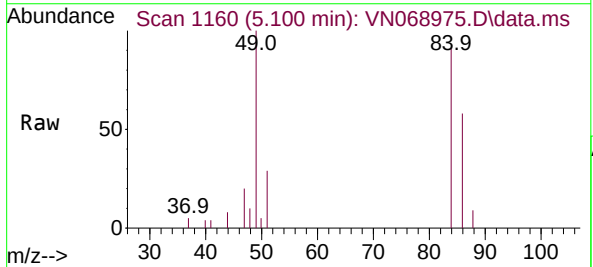
Instrument :
MSVOA_N
ClientSampled :

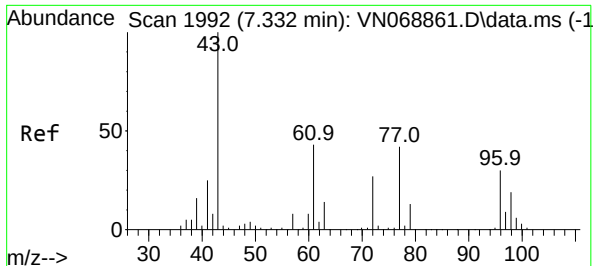
Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
74 8.4 18.9 28.3#



#20
Methylene Chloride
Concen: 3.364 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 84 Resp: 12955
Ion Ratio Lower Upper
84 100
49 109.4 97.6 146.4
51 31.3 30.3 45.5
86 63.1 51.8 77.6

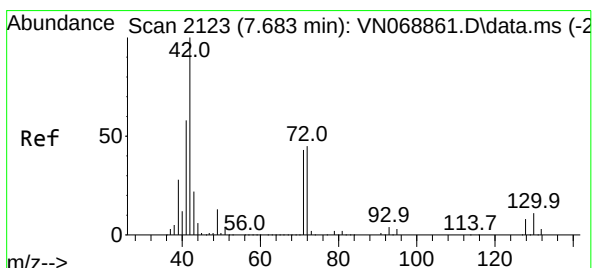
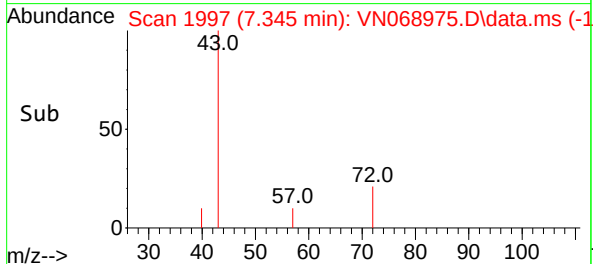
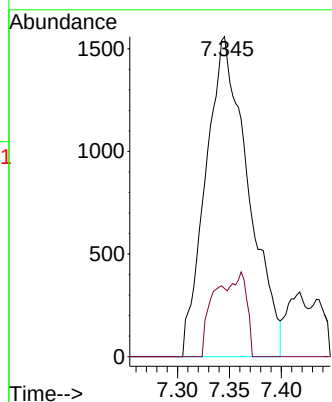
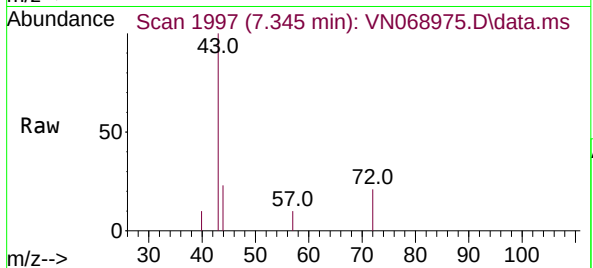




#25
2-Butanone
Concen: 1.755 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

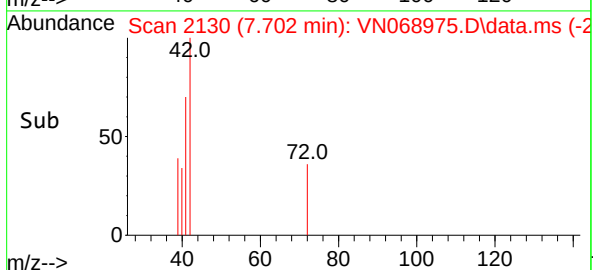
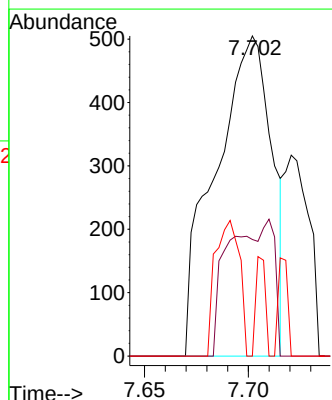
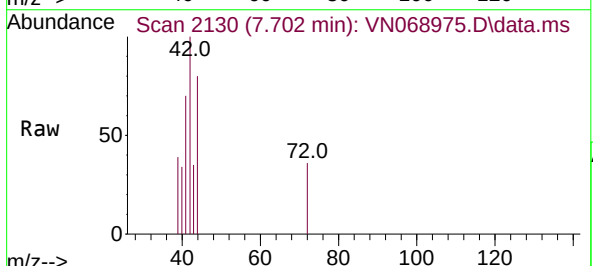
Instrument :
MSVOA_N
ClientSampleId :

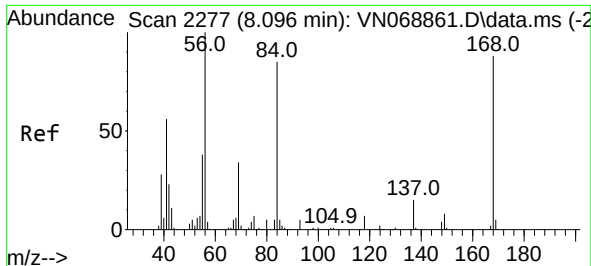
Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
72 21.3 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.582 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 42 Resp: 956
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 5.2 33.8 50.6#

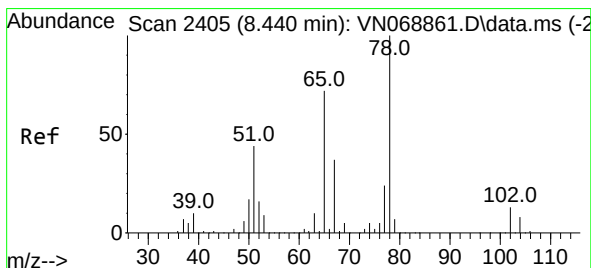
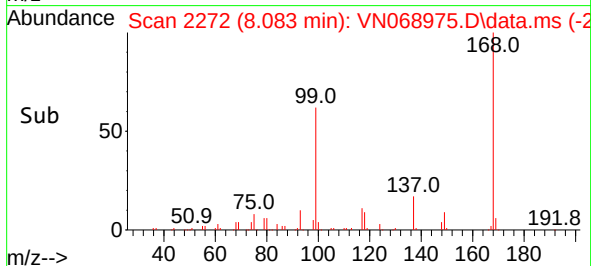
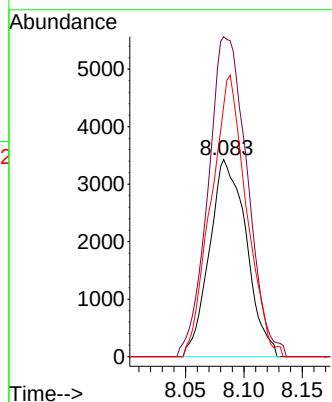
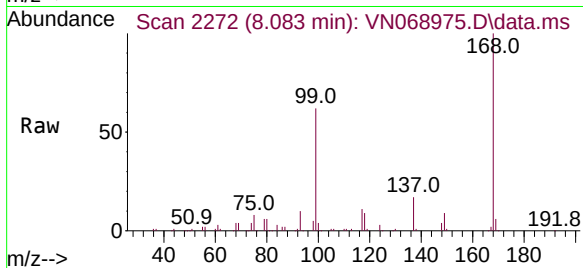




#31
Cyclohexane
Concen: 1.079 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

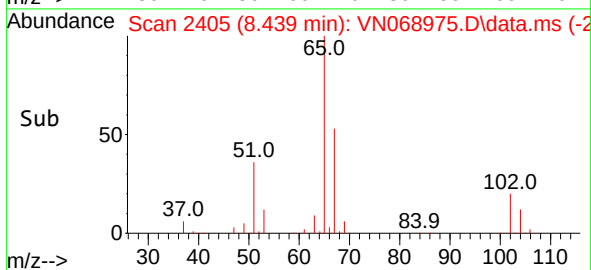
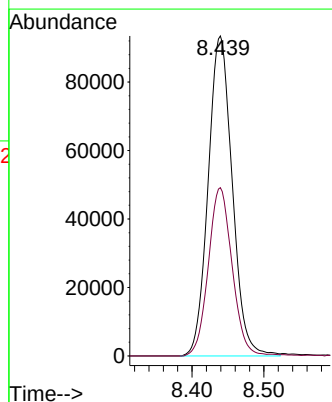
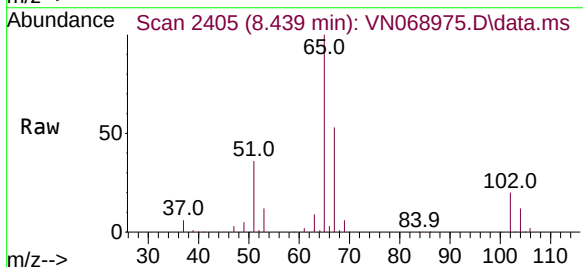
Instrument :
MSVOA_N
ClientSampled :

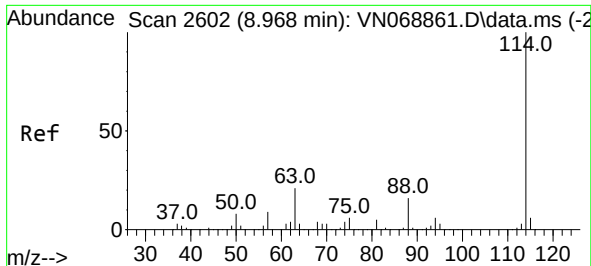
Tgt Ion: 56 Resp: 7523
Ion Ratio Lower Upper
56 100
69 157.8 26.9 40.3#
84 127.4 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.587 ug/l
RT: 8.439 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 65 Resp: 217857
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

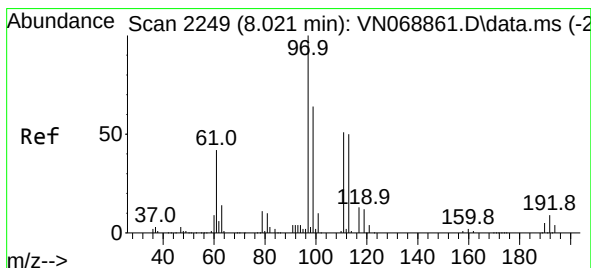
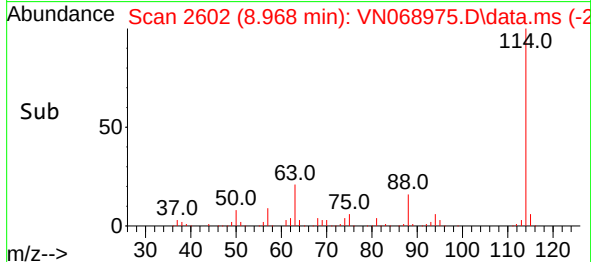
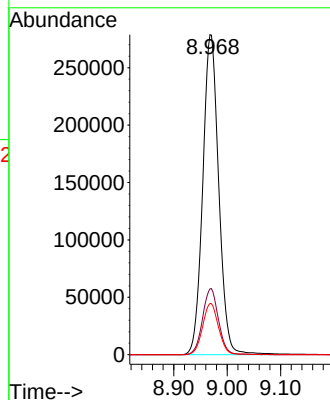
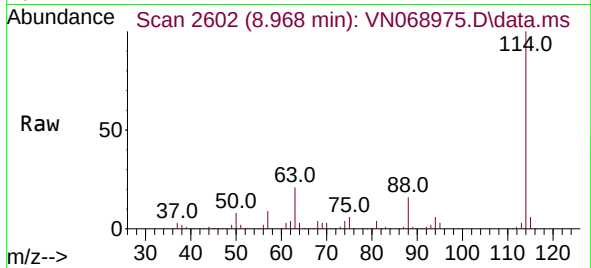




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

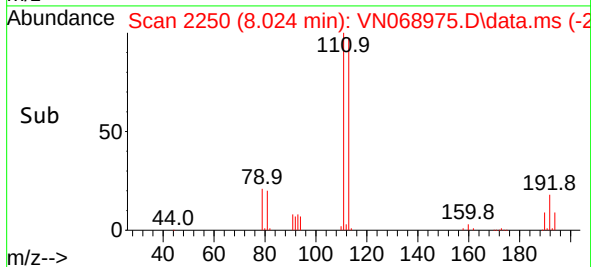
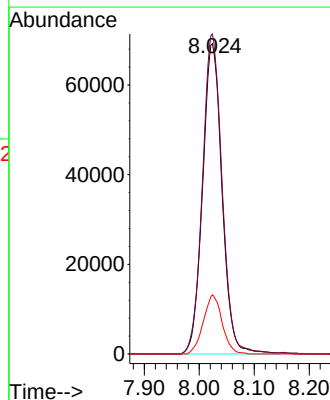
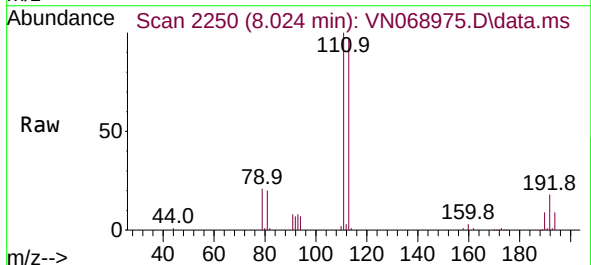
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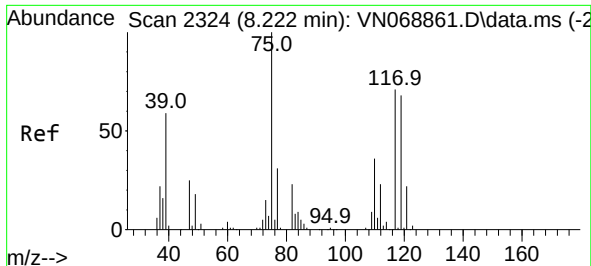
Tgt Ion:114 Resp: 579707
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.489 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.002 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

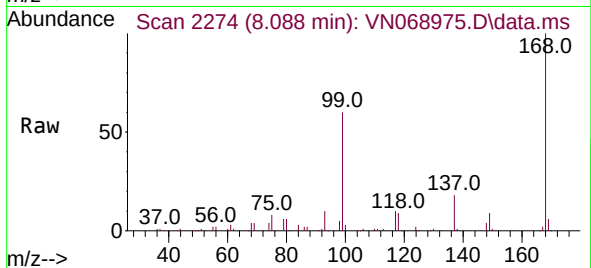
Tgt Ion:113 Resp: 170290
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 18.4 15.0 22.4



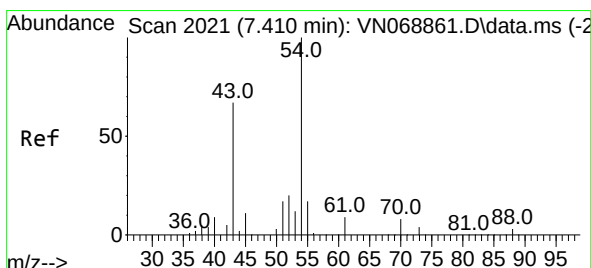
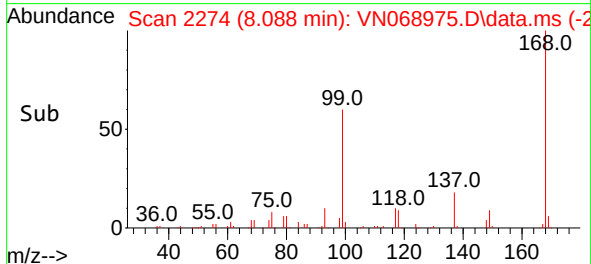
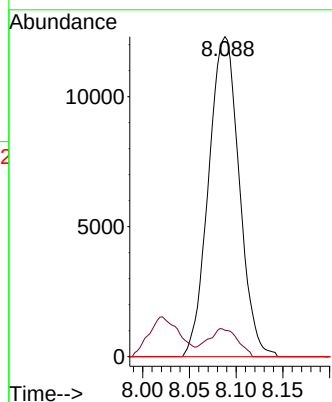


#36
1,1-Dichloropropene
Concen: 5.671 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Instrument :
MSVOA_N
ClientSampled :

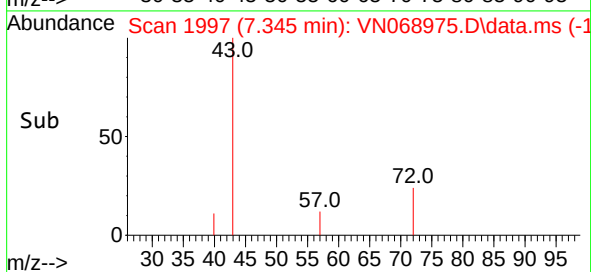
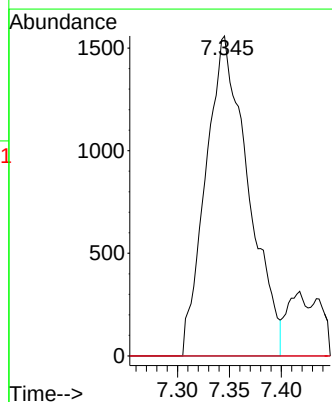
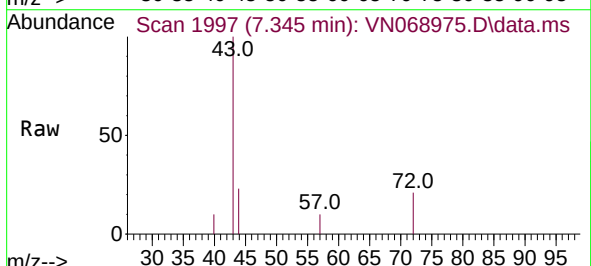


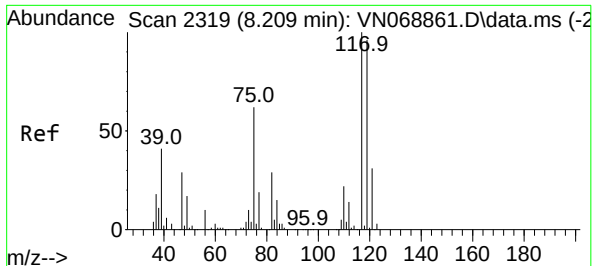
Tgt Ion: 75 Resp: 28079
Ion Ratio Lower Upper
75 100
110 8.4 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.868 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.065 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 43 Resp: 4441
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#

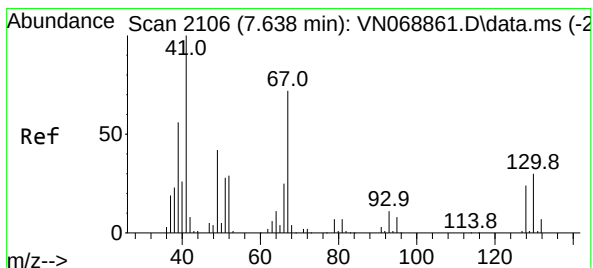
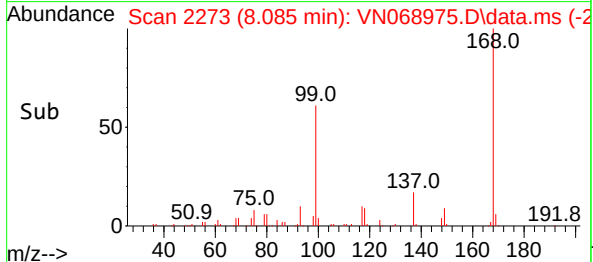
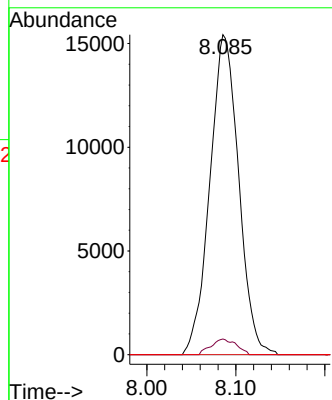
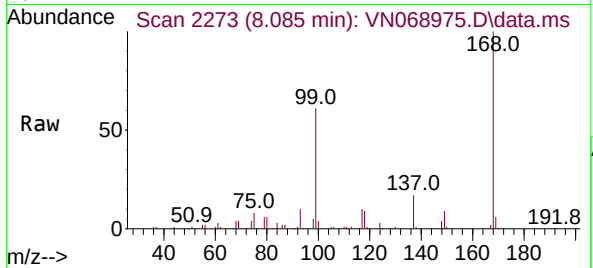




#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.124 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

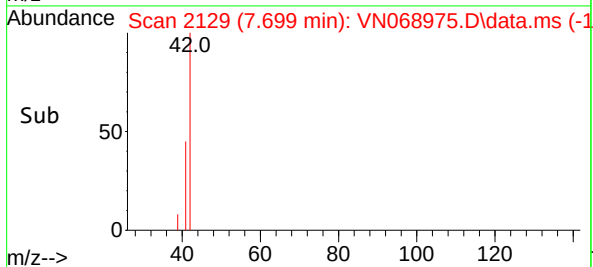
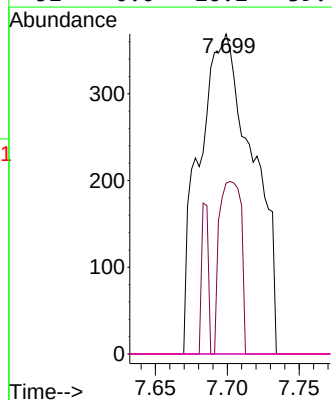
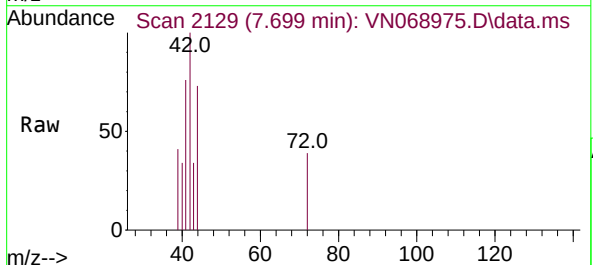
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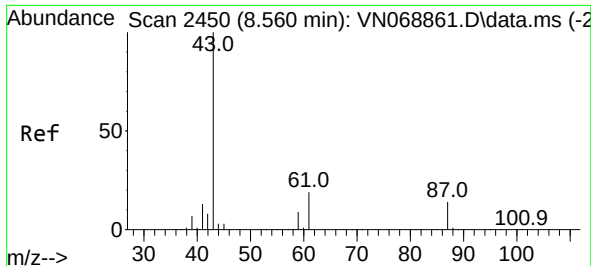
Tgt Ion:117 Resp: 34692
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.371 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 41 Resp: 957
Ion Ratio Lower Upper
41 100
39 21.7 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

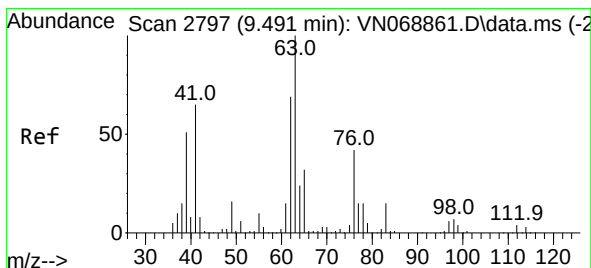
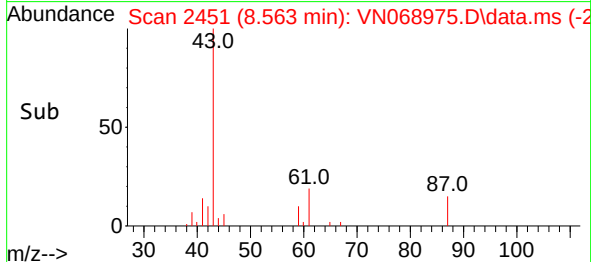
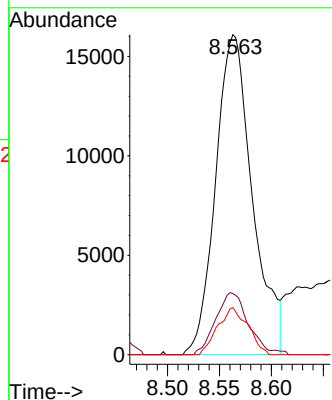
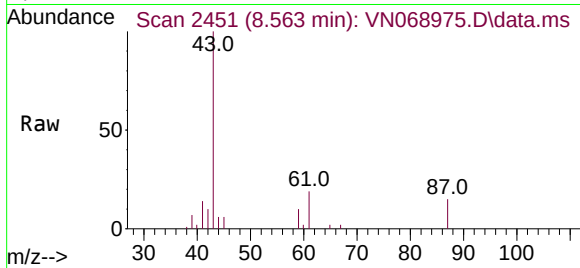




#43
Isopropyl Acetate
Concen: 4.395 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.002 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

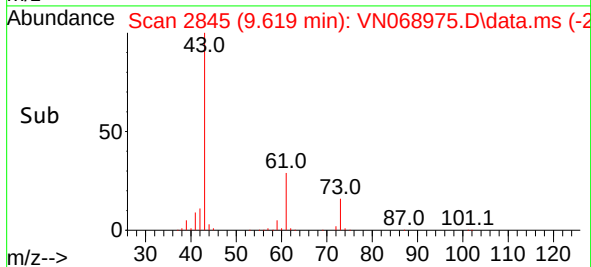
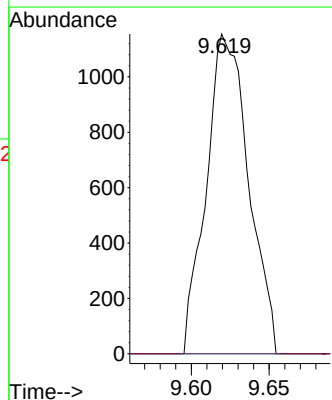
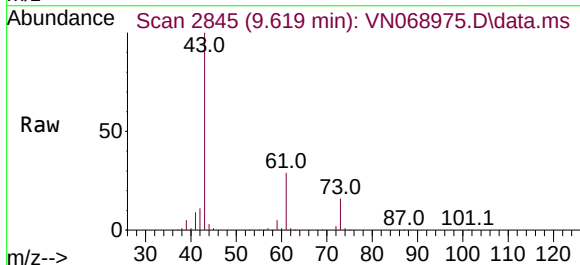
Instrument :
MSVOA_N
ClientSampleId :

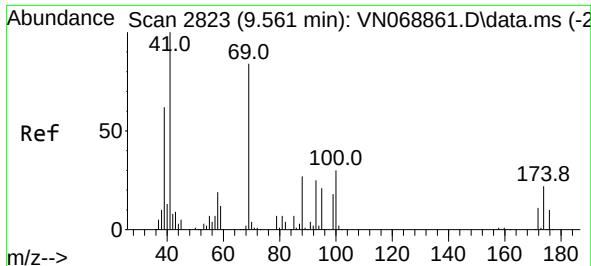
Tgt Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.4	30.6#
87	12.1	10.7	16.1



#45
1,2-Dichloropropane
Concen: 0.558 ug/l
RT: 9.619 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

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

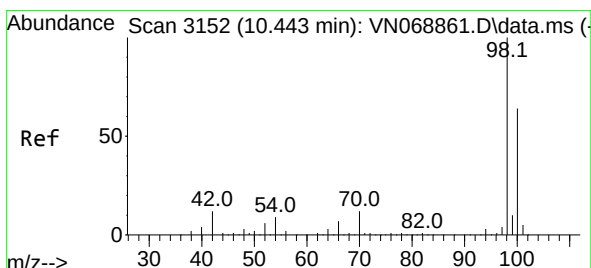
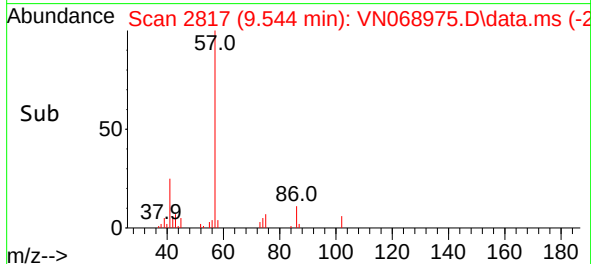
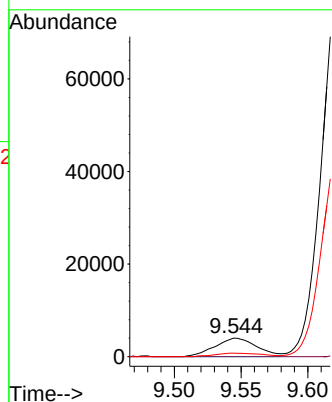
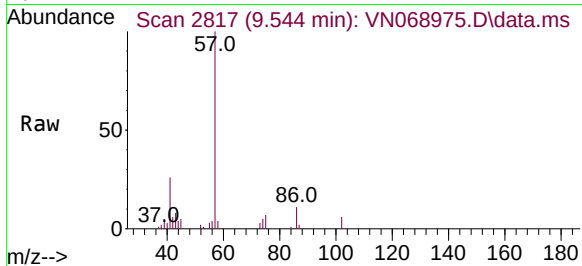




#48
Methyl methacrylate
Concen: 2.065 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

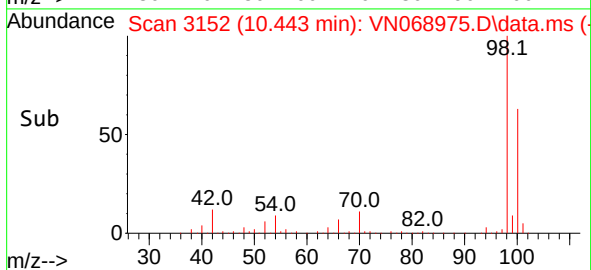
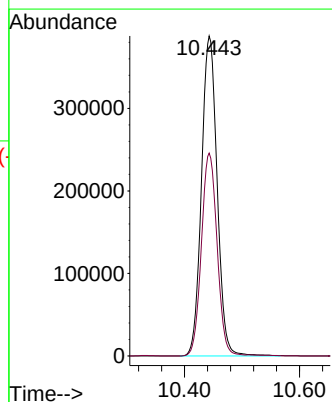
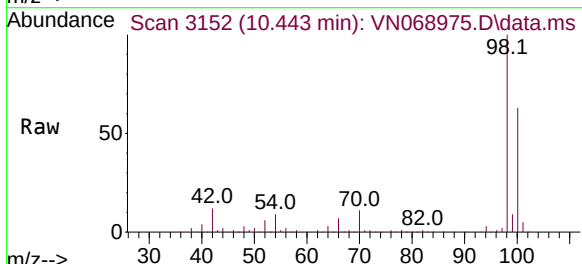
Instrument :
MSVOA_N
ClientSampled :

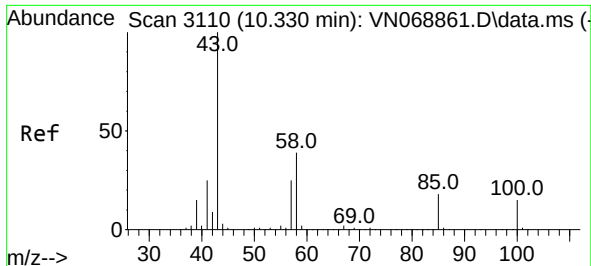
Tgt Ion: 41 Resp: 8754
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 54.212 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 98 Resp: 731593
Ion Ratio Lower Upper
98 100
100 63.5 51.5 77.3

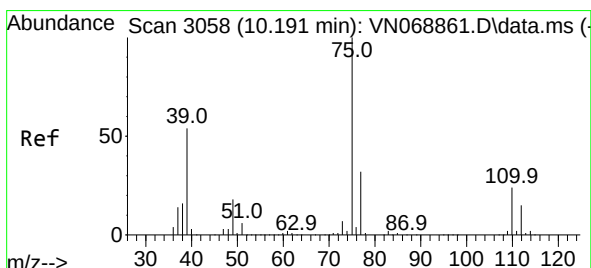
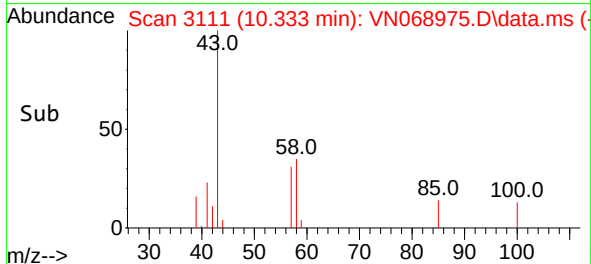
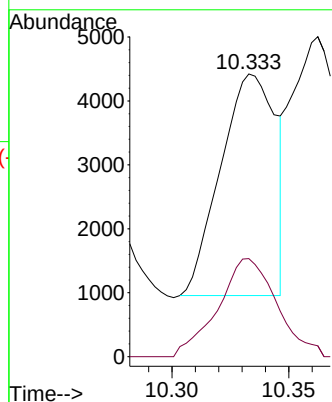
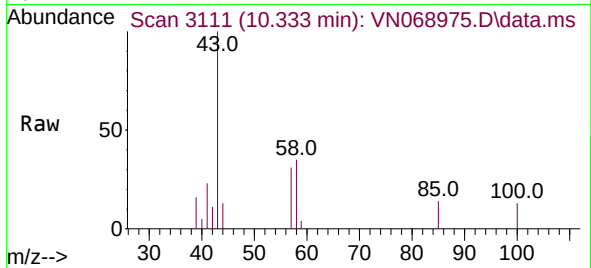




#51
4-Methyl-2-Pentanone
Concen: 1.088 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

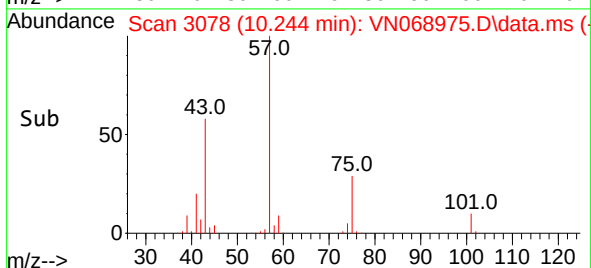
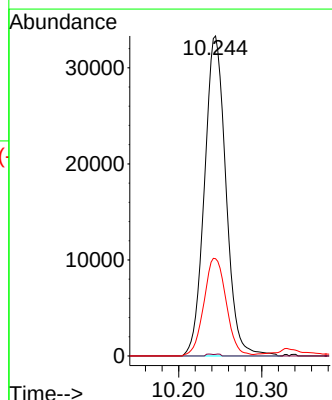
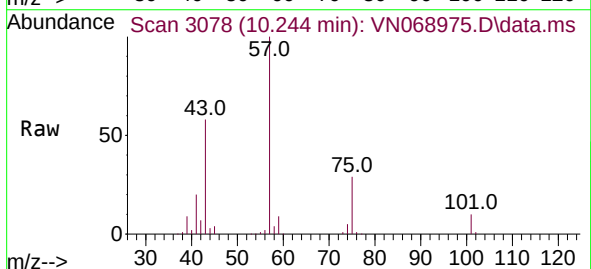
Instrument :
MSVOA_N
ClientSampled :

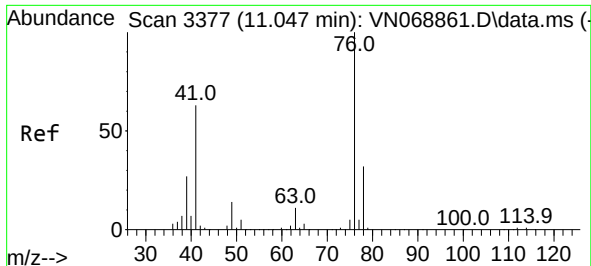
Tgt Ion: 43 Resp: 5690
Ion Ratio Lower Upper
43 100
58 47.2 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.150 ug/l
RT: 10.244 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 75 Resp: 59682
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 30.4 42.9 64.3#

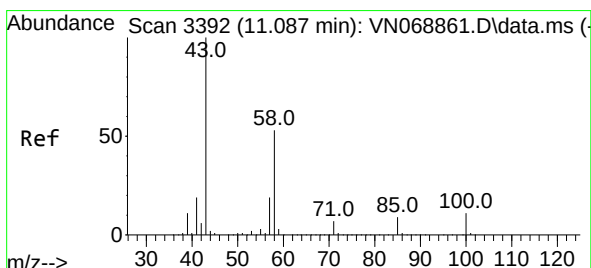
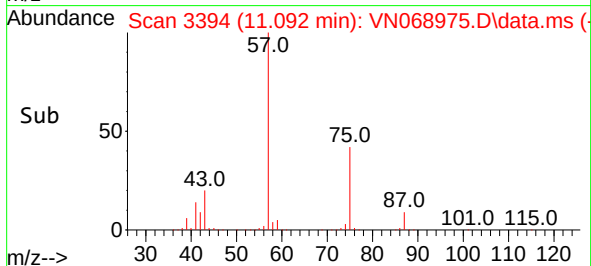
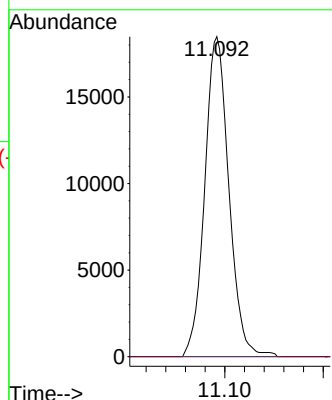
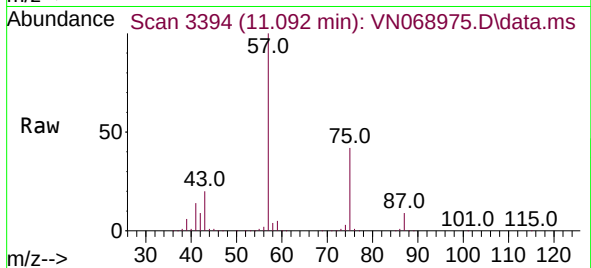




#57
1,3-Dichloropropane
Concen: 4.990 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

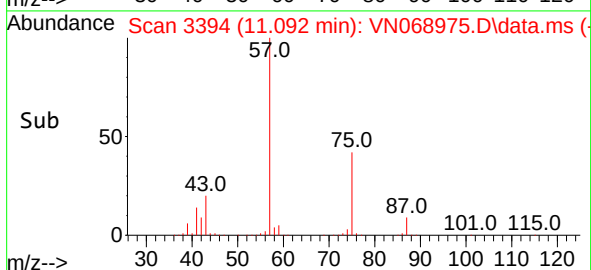
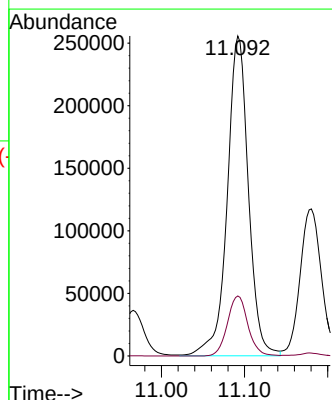
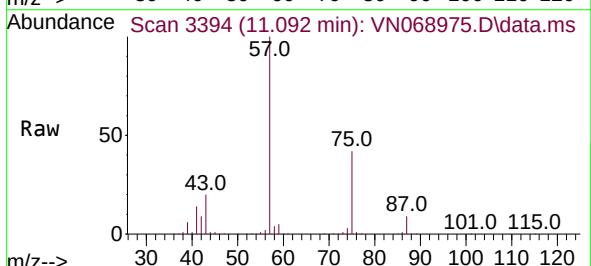
Instrument :
MSVOA_N
ClientSampleId :

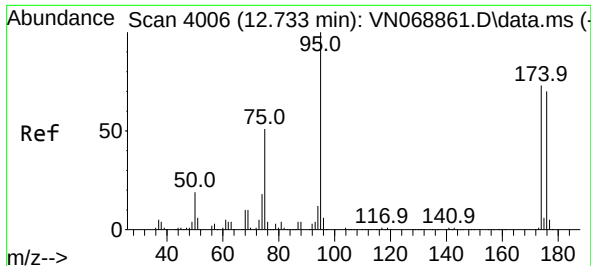
Tgt Ion: 76 Resp: 31467
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 120.729 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 43 Resp: 452978
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#

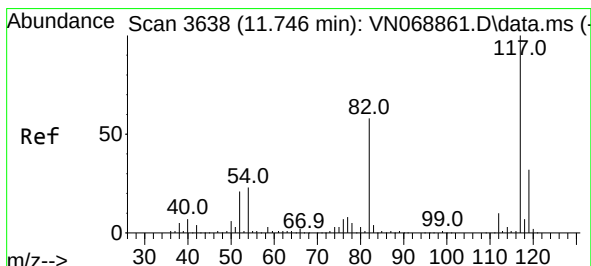
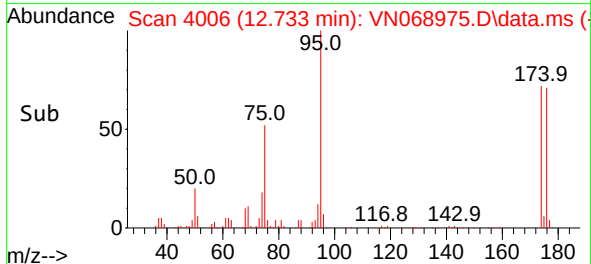
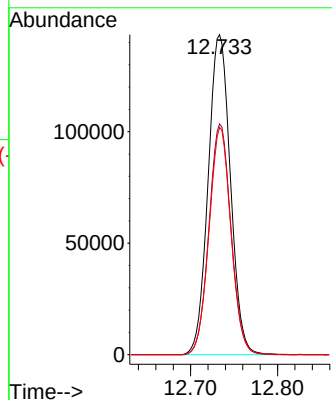
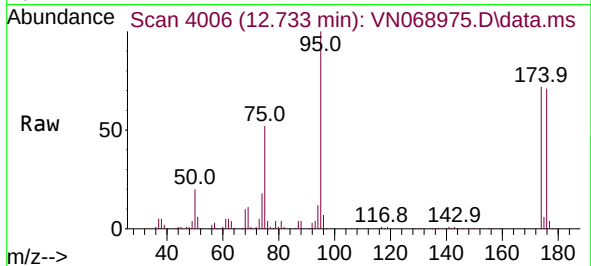




#62
4-Bromofluorobenzene
Concen: 50.073 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

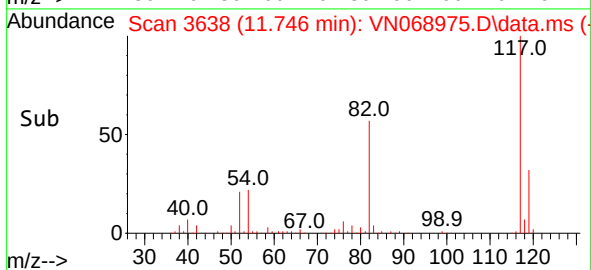
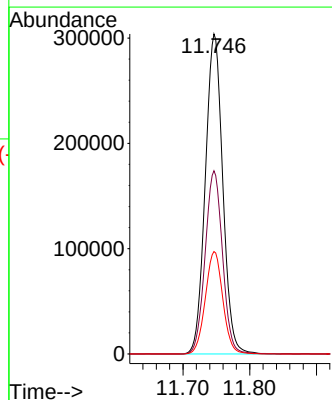
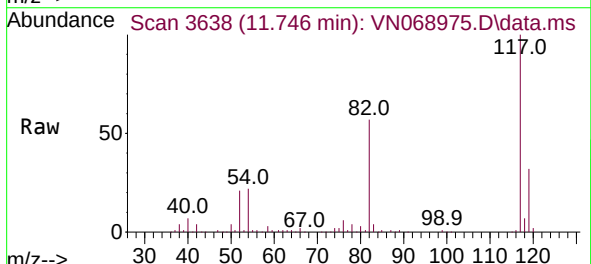
Instrument :
MSVOA_N
ClientSampleId :

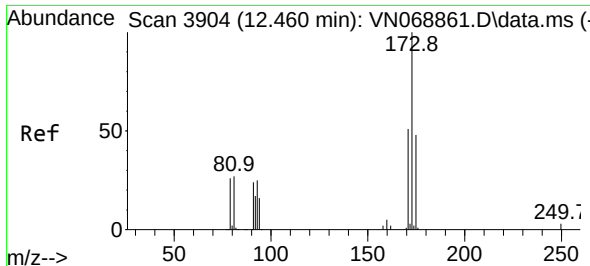
Tgt Ion: 95 Resp: 254946
Ion Ratio Lower Upper
95 100
174 71.4 0.0 144.8
176 69.9 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 117 Resp: 552305
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.0 26.0 39.0

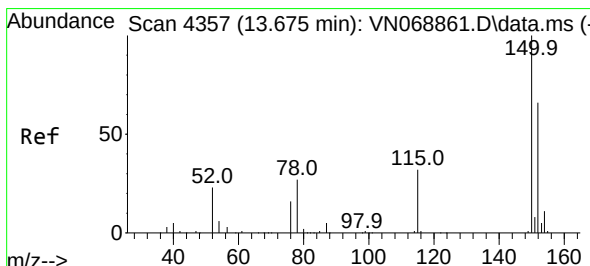
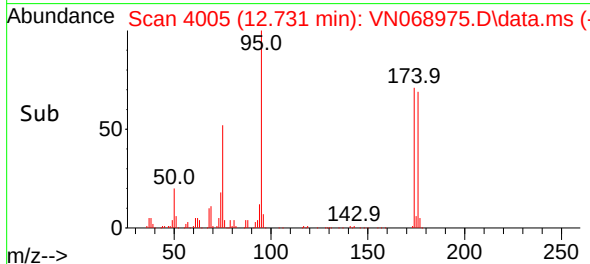
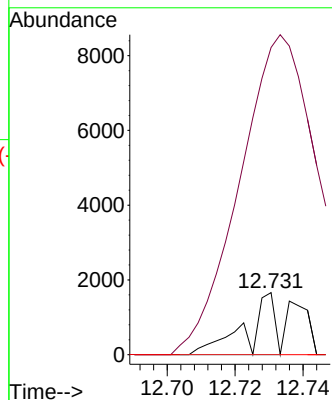
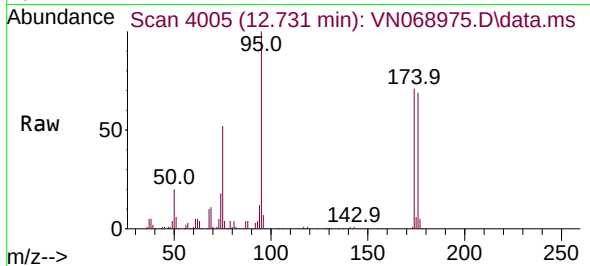




#71
Bromoform
Concen: 0.291 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

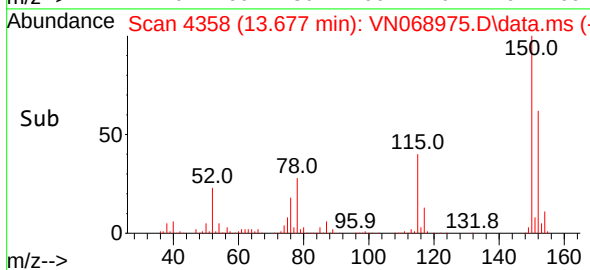
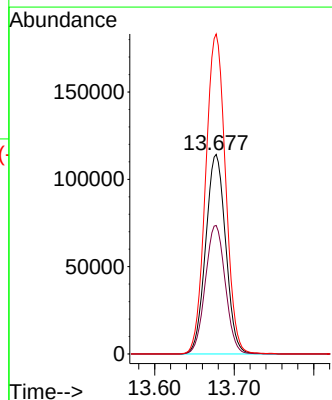
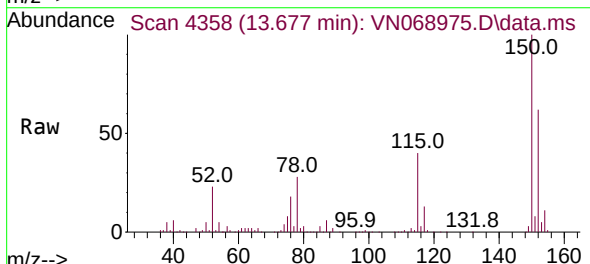
Instrument :
MSVOA_N
ClientSampleId :

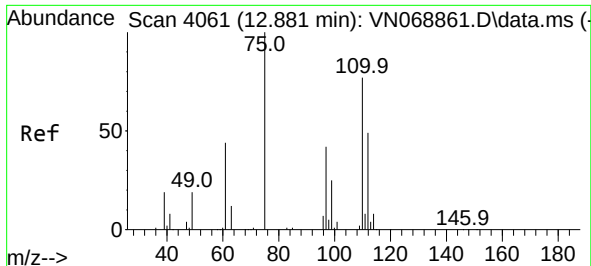
Tgt Ion:173 Resp: 952
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion:152 Resp: 199436
Ion Ratio Lower Upper
152 100
115 64.4 31.4 94.3
150 159.6 0.0 351.0

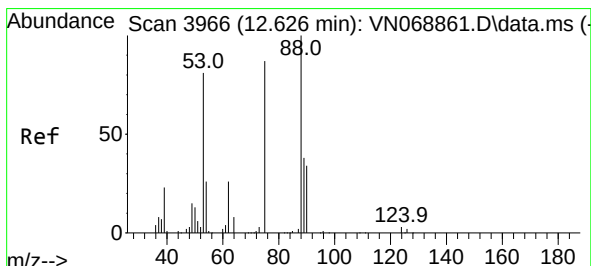
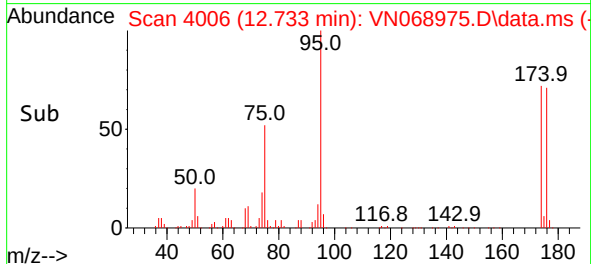
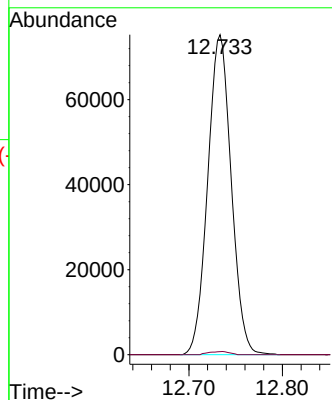
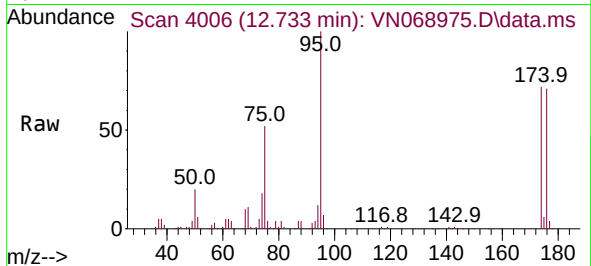




#76
1,2,3-Trichloropropane
Concen: 30.941 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

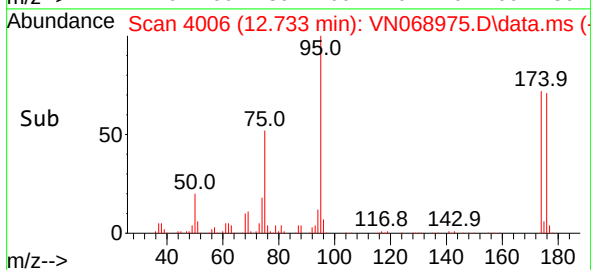
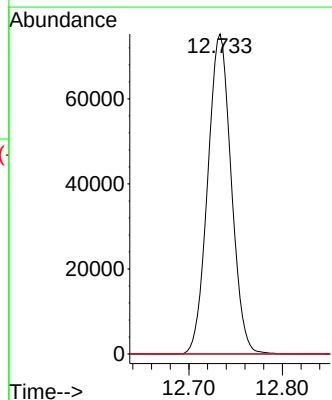
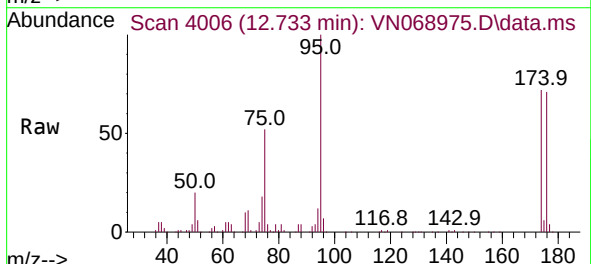
Instrument :
MSVOA_N
ClientSampled :

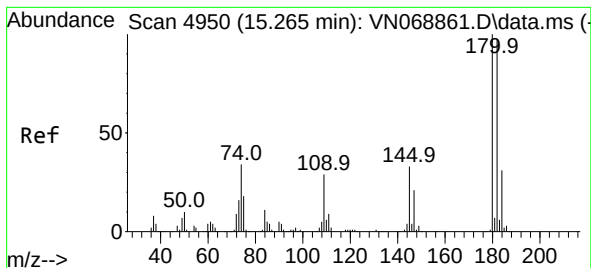
Tgt Ion: 75 Resp: 131297
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.025 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

Tgt Ion: 75 Resp: 131297
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

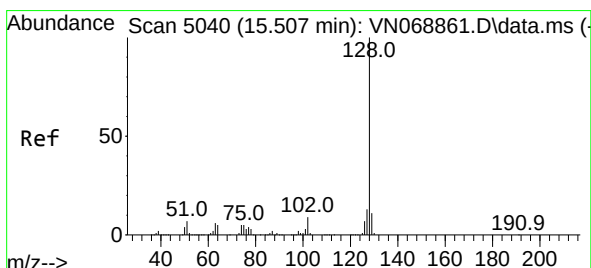
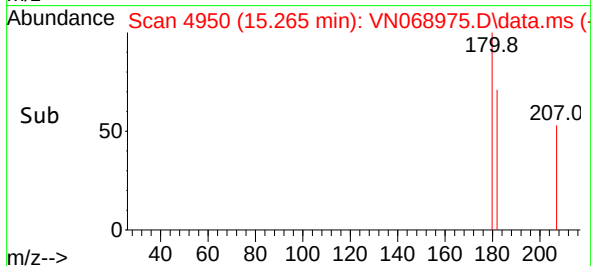
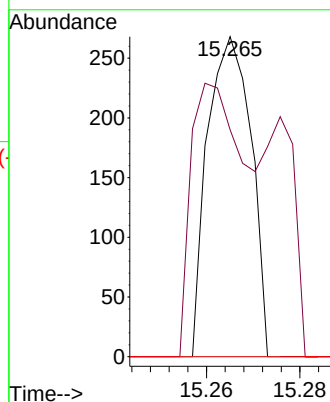
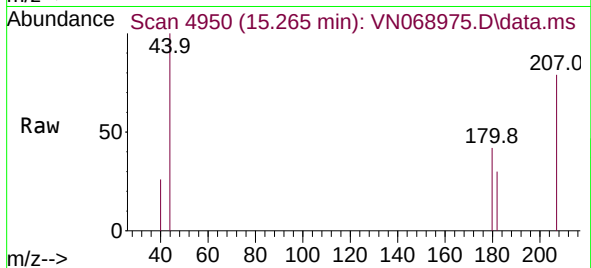




#93
1,2,4-Trichlorobenzene
Concen: 2.651 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

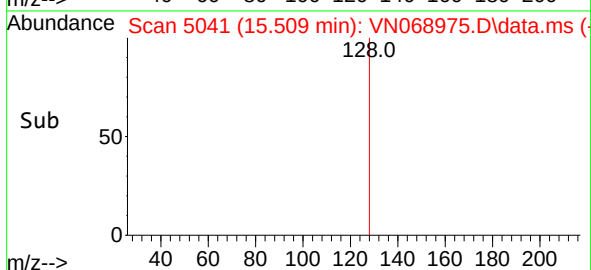
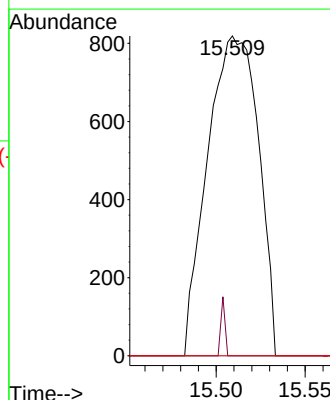
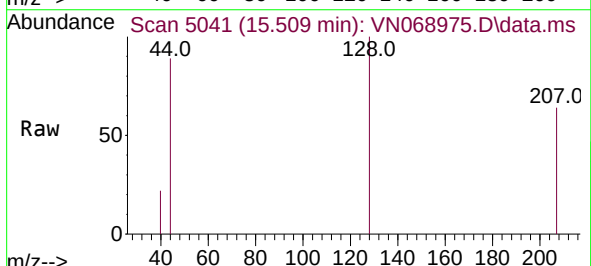
Instrument :
MSVOA_N
ClientSampled :

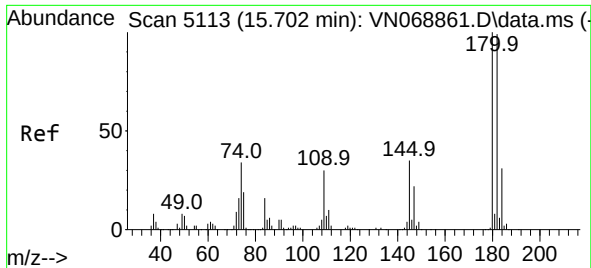
Tgt Ion:180 Resp: 174
Ion Ratio Lower Upper
180 100
182 106.3 47.9 143.7
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.975 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068975.D
Acq: 18 Oct 2021 13:28

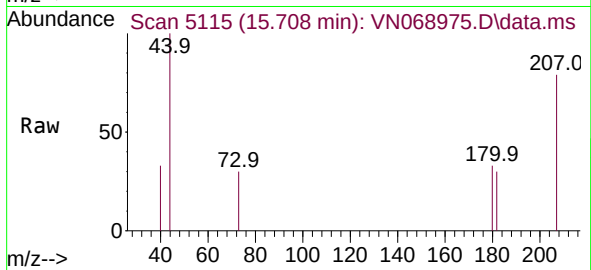
Tgt Ion:128 Resp: 1632
Ion Ratio Lower Upper
128 100
127 1.5 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.571 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068975.D
 Acq: 18 Oct 2021 13:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	192
Ion	Ratio	Lower	Upper
180	100		
182	152.6	48.1	144.3#
145	0.0	17.4	52.2#

