

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068977.D
 Acq On : 18 Oct 2021 14:18
 Operator : JC/MD
 Sample : M4243-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:35:58 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)

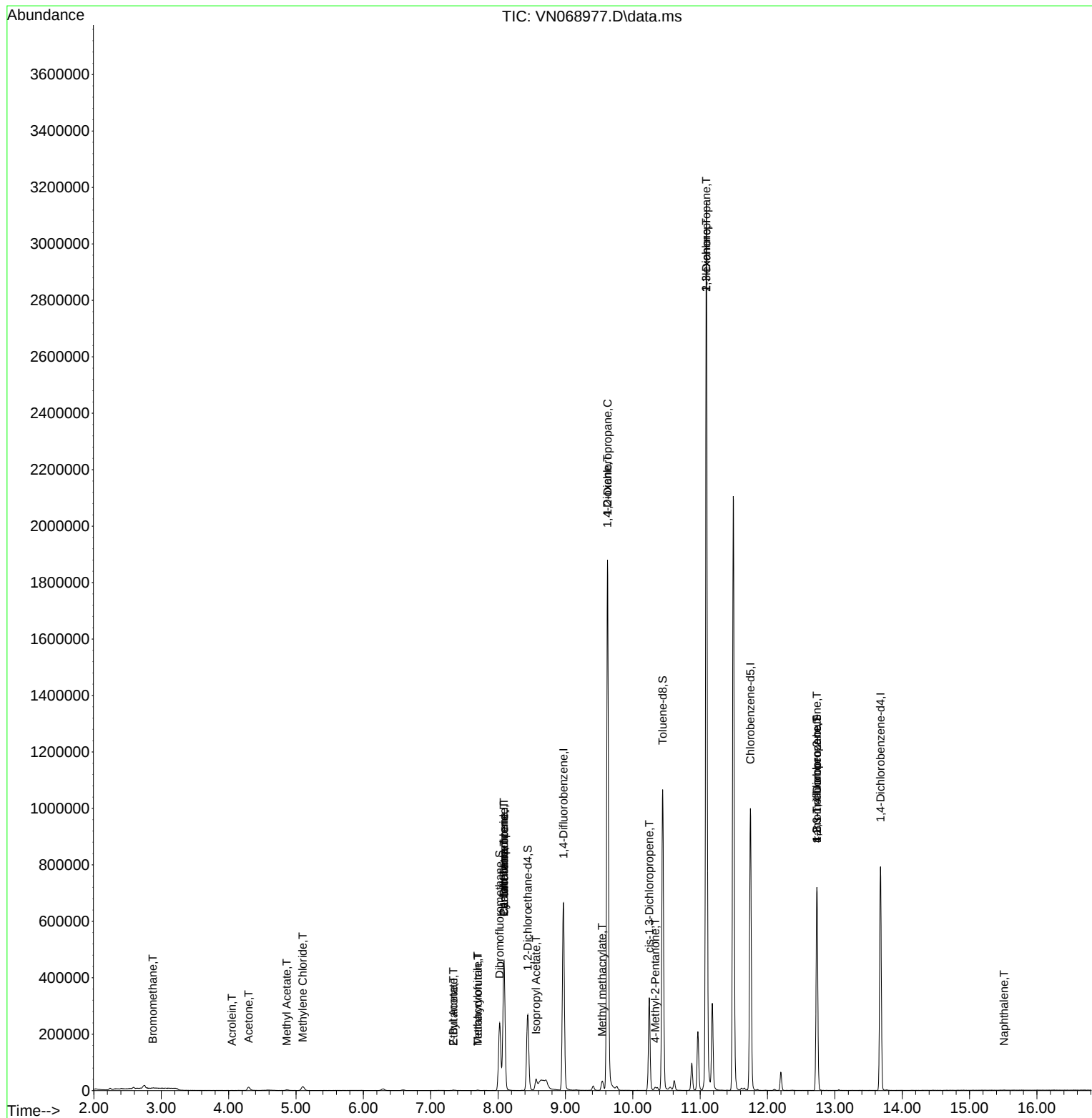
Internal Standards						
1) Pentafluorobenzene	8.088	168	348064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	601392	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	584535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	213384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	226791	49.419	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.840%	
35) Dibromofluoromethane	8.024	113	178995	51.157	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	102.320%	
50) Toluene-d8	10.443	98	759680	54.263	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.520%	
62) 4-Bromofluorobenzene	12.733	95	267516	50.647	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	101.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	680	0.286	ug/l	88
13) Acrolein	4.047	56	159	0.429	ug/l #	75
16) Acetone	4.296	43	22297	13.020	ug/l	97
18) Methyl Acetate	4.862	43	3100	0.477	ug/l #	79
20) Methylene Chloride	5.101	84	12019	3.049	ug/l	91
25) 2-Butanone	7.335	43	3922	1.514	ug/l	97
29) Tetrahydrofuran	7.702	42	960	0.572	ug/l #	71
31) Cyclohexane	8.088	56	8270	1.159	ug/l #	18
36) 1,1-Dichloropropene	8.088	75	28202	5.490	ug/l #	50
37) Ethyl Acetate	7.335	43	3922	0.739	ug/l #	68
38) Carbon Tetrachloride	8.088	117	35627	6.315	ug/l #	16
41) Methacrylonitrile	7.697	41	625	0.234	ug/l #	43
43) Isopropyl Acetate	8.563	43	48346	5.165	ug/l #	84
45) 1,2-Dichloropropane	9.625	63	2114	0.521	ug/l #	43
48) Methyl methacrylate	9.545	41	9172	2.085	ug/l #	13
49) 1,4-Dioxane	9.622	88	113	36.905	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5699	1.050	ug/l #	81
54) cis-1,3-Dichloropropene	10.245	75	62208	9.193	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	33309	5.091	ug/l #	42
59) 2-Hexanone	11.092	43	479360	123.154	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	138582	30.523	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	138582	73.025	ug/l #	12
95) Naphthalene	15.509	128	862	3.892	ug/l #	69

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

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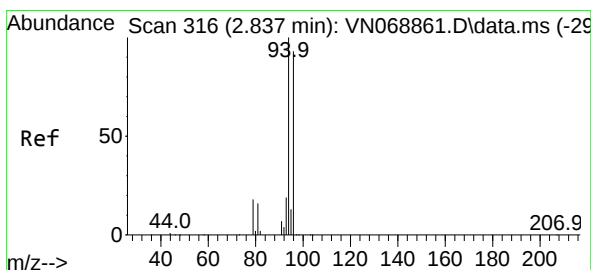
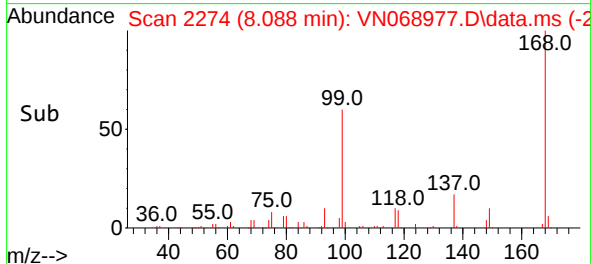
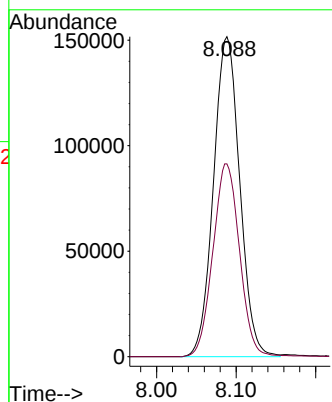
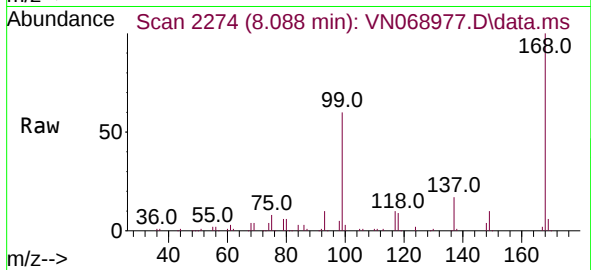




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

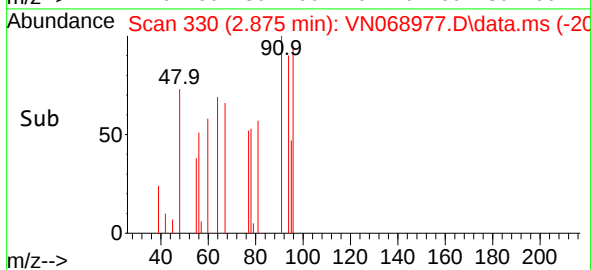
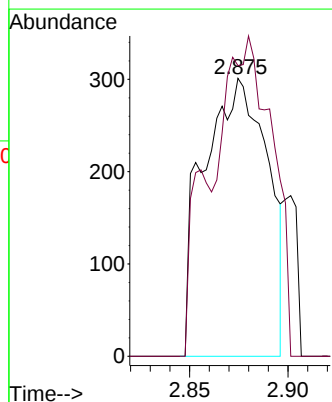
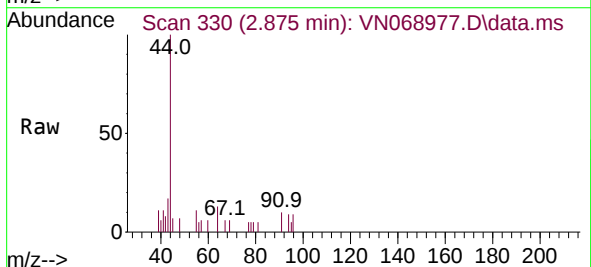
Instrument :
MSVOA_N
ClientSampled :

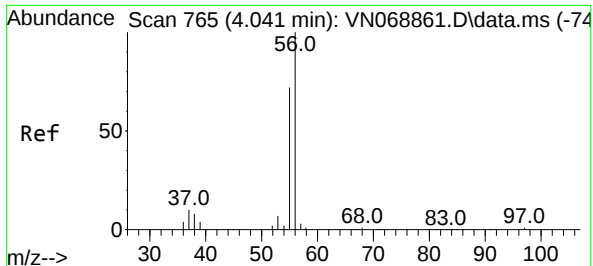
Tgt Ion:168 Resp: 348064
Ion Ratio Lower Upper
168 100
99 60.3 48.9 73.3



#5
Bromomethane
Concen: 0.286 ug/l
RT: 2.875 min Scan# 330
Delta R.T. 0.038 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 94 Resp: 680
Ion Ratio Lower Upper
94 100
96 104.7 74.2 111.4

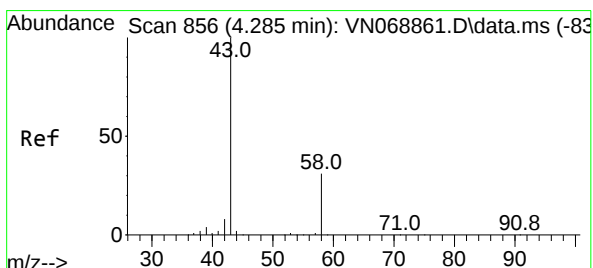
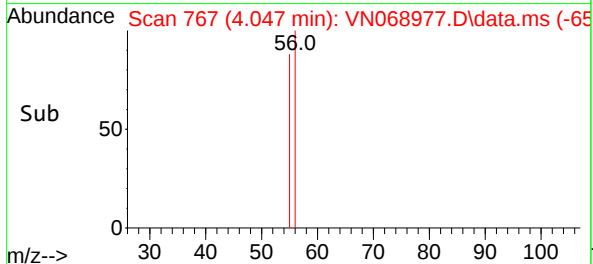
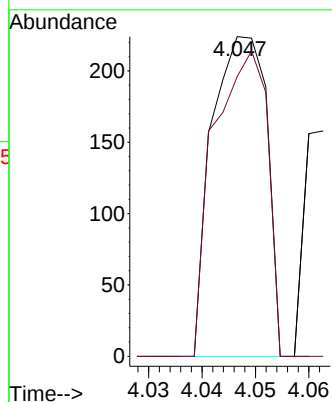
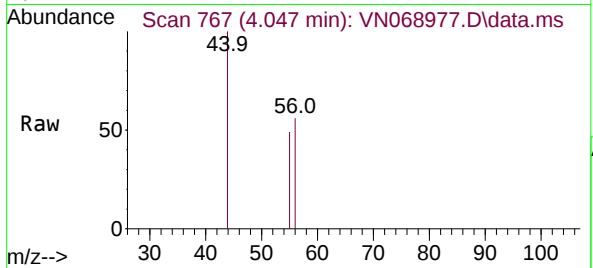




#13
Acrolein
Concen: 0.429 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

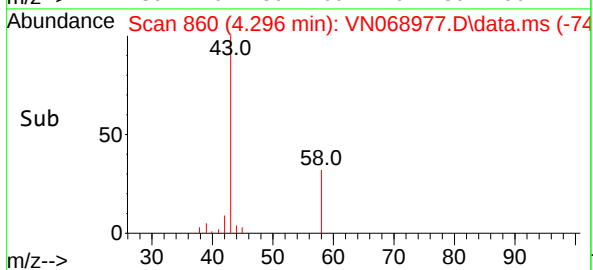
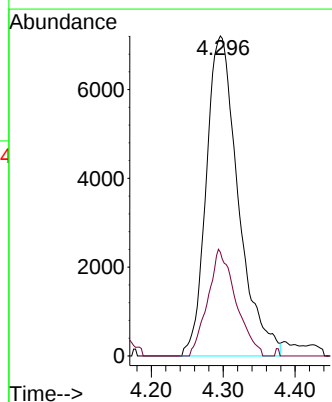
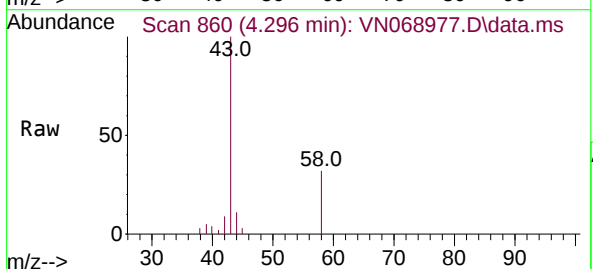
Instrument :
MSVOA_N
ClientSampled :

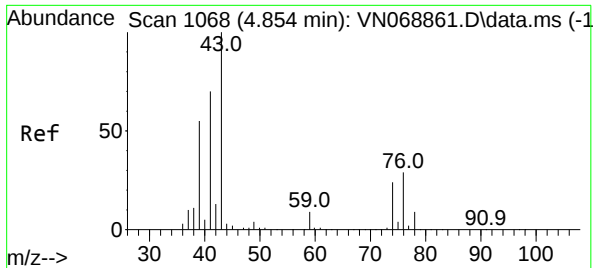
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 93.7 58.1 87.1#



#16
Acetone
Concen: 13.020 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 43 Resp: 22297
Ion Ratio Lower Upper
43 100
58 32.4 24.5 36.7

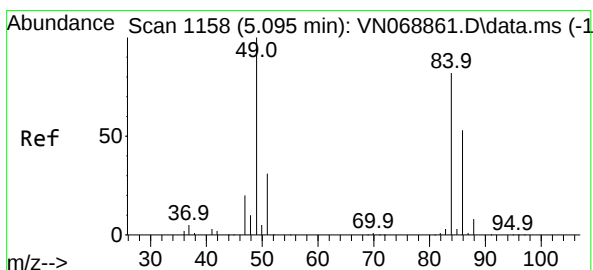
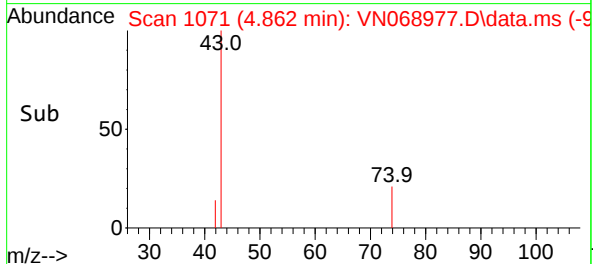
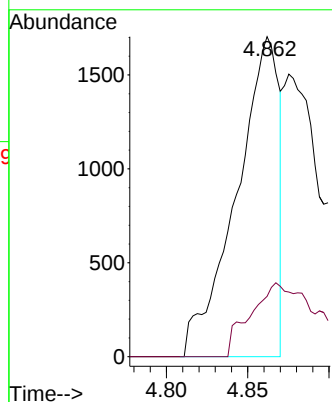
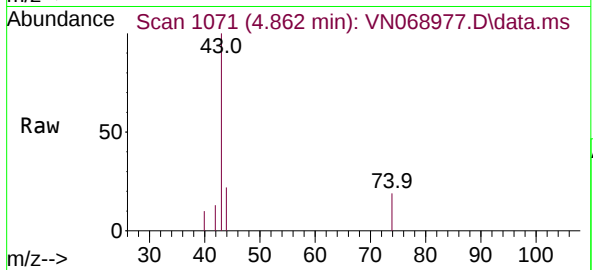




#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

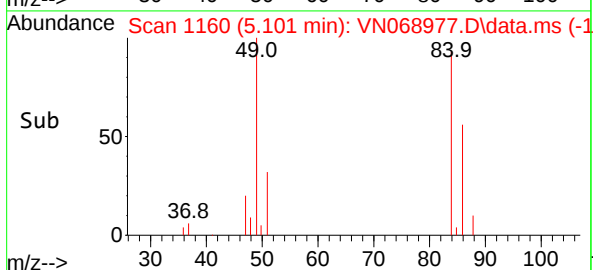
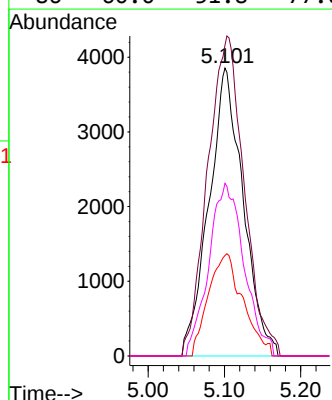
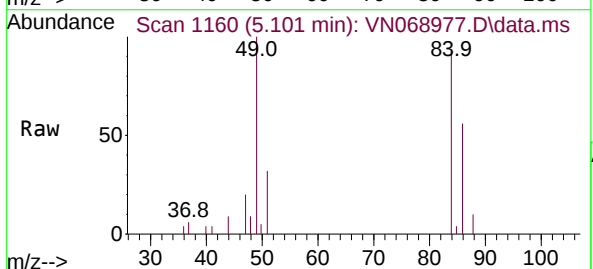
Instrument :
MSVOA_N
ClientSampled :

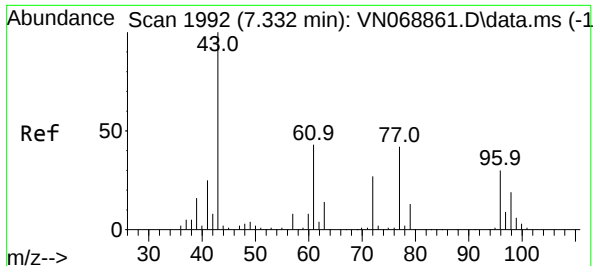
Tgt Ion: 43 Resp: 3100
Ion Ratio Lower Upper
43 100
74 33.8 18.9 28.3#



#20
Methylene Chloride
Concen: 3.049 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 84 Resp: 12019
Ion Ratio Lower Upper
84 100
49 108.0 97.6 146.4
51 34.9 30.3 45.5
86 60.0 51.8 77.6

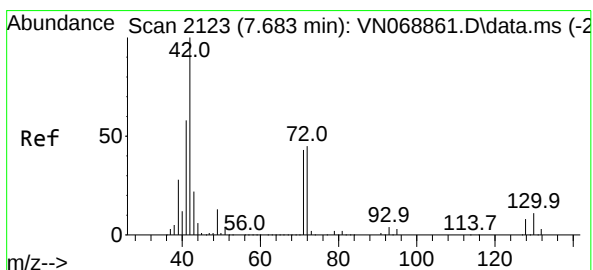
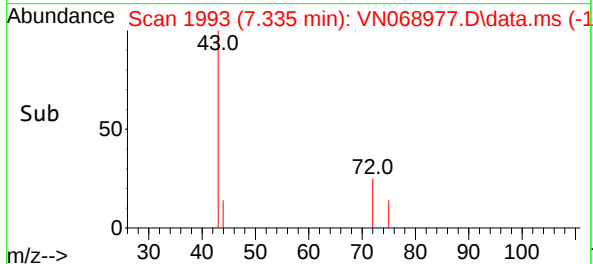
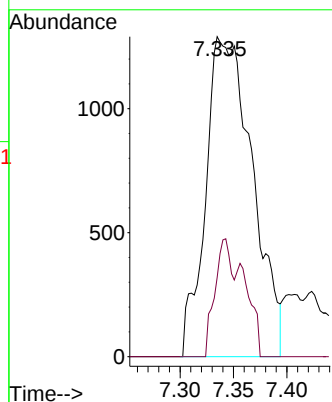
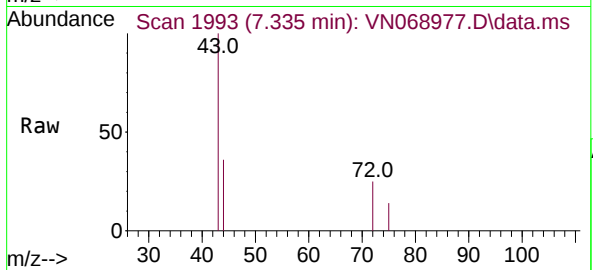




#25
2-Butanone
Concen: 1.514 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. 0.003 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

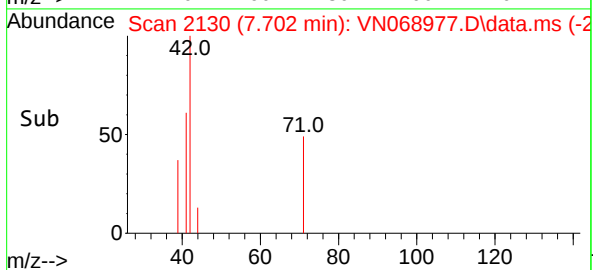
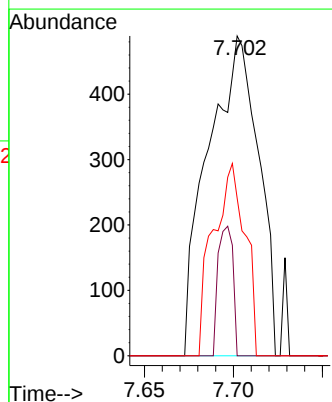
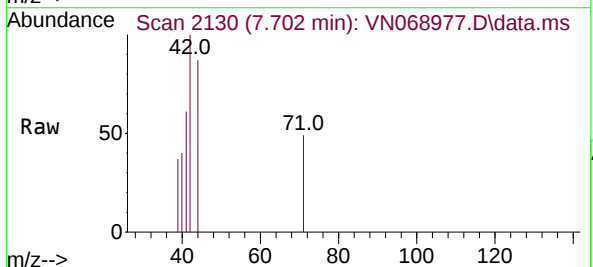
Instrument :
MSVOA_N
ClientSampled :

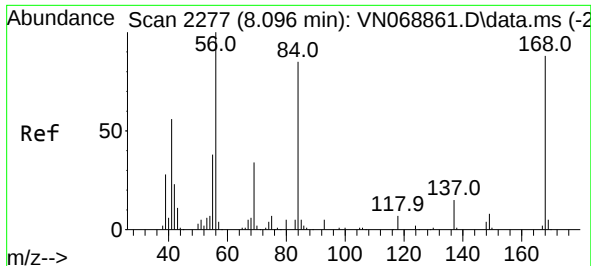
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
72 24.7 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.572 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.019 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 42 Resp: 960
Ion Ratio Lower Upper
42 100
72 12.0 35.4 53.2#
71 38.2 33.8 50.6

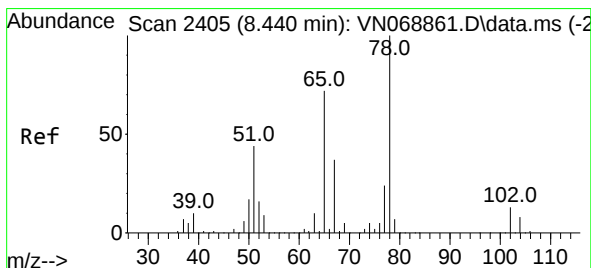
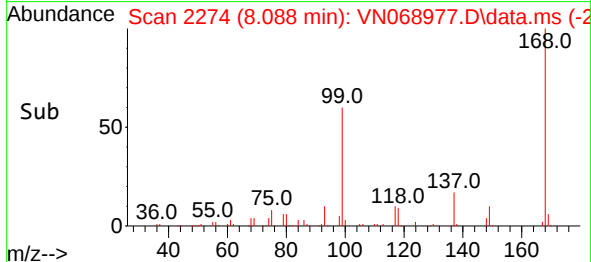
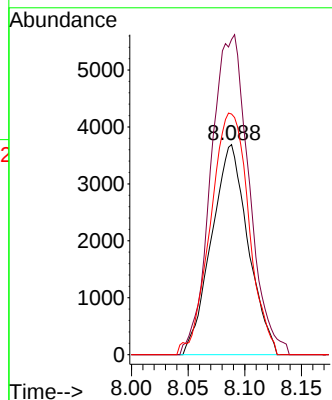
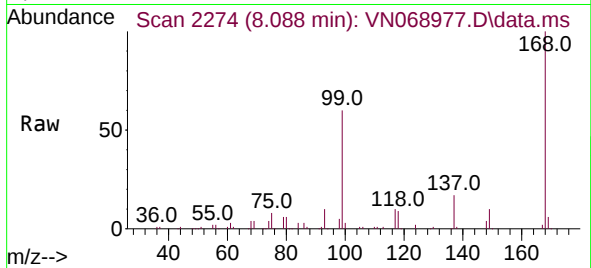




#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

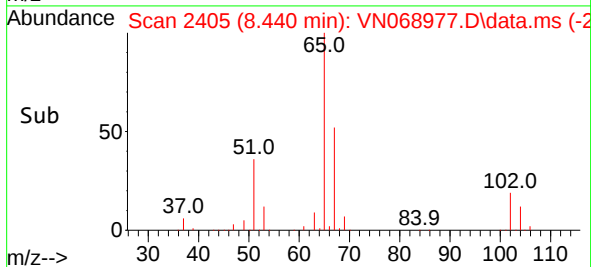
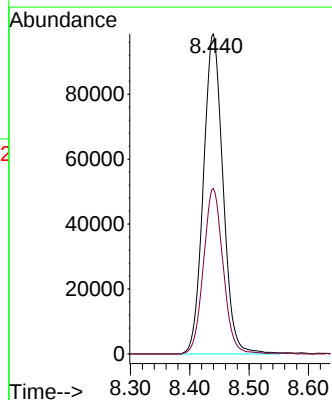
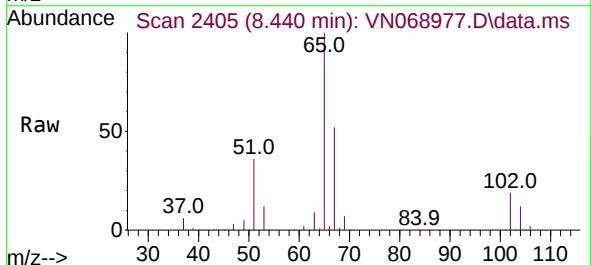
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MSVOA_N
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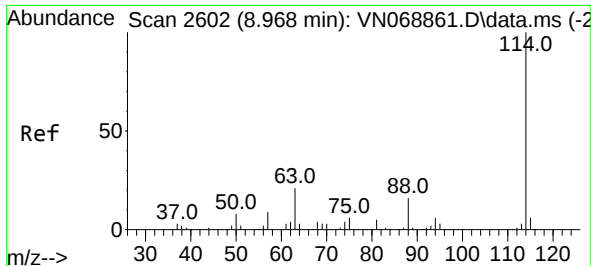
Tgt Ion: 56 Resp: 8270
Ion Ratio Lower Upper
56 100
69 150.0 26.9 40.3#
84 114.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.419 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 65 Resp: 226791
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

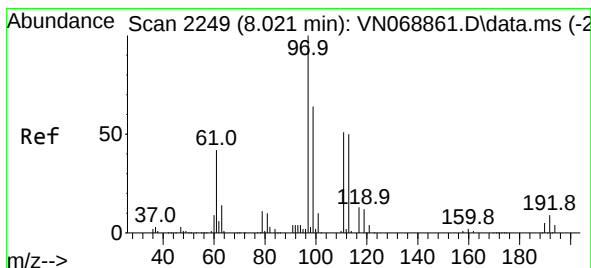
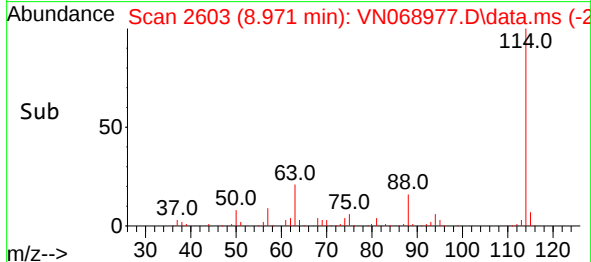
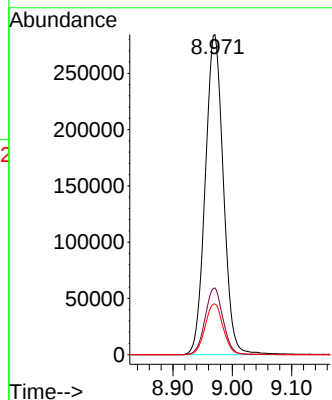
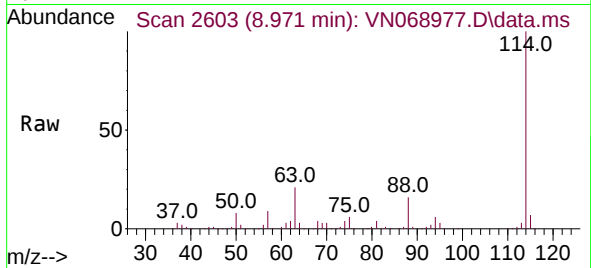




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

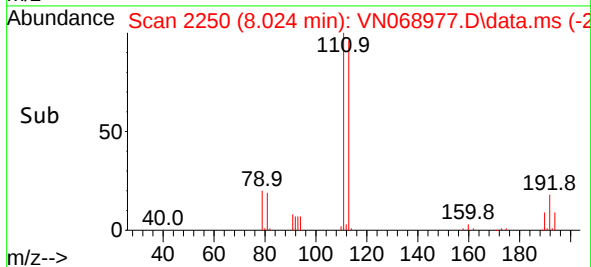
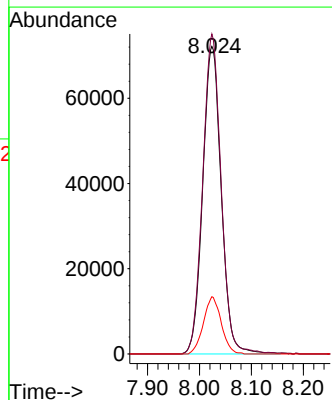
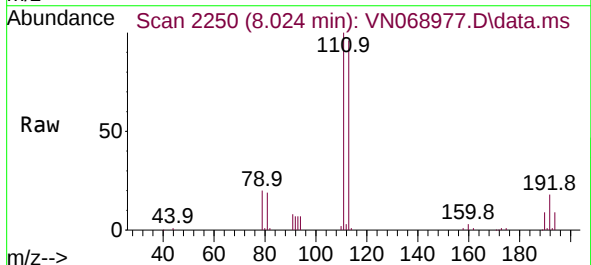
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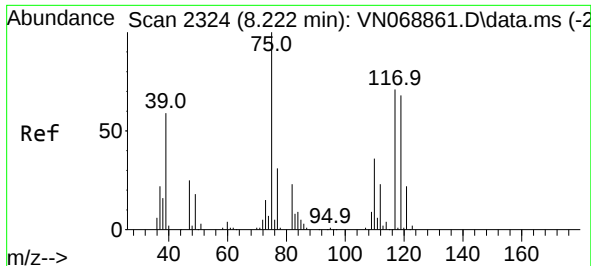
Tgt Ion:114 Resp: 601392
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion:113 Resp: 178995
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 17.9 15.0 22.4

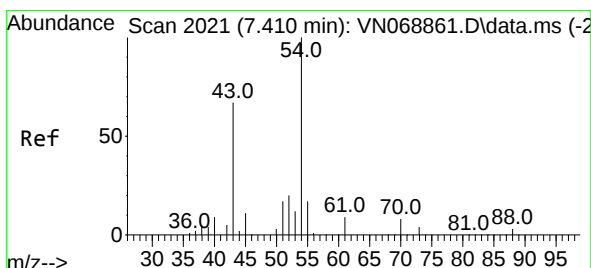
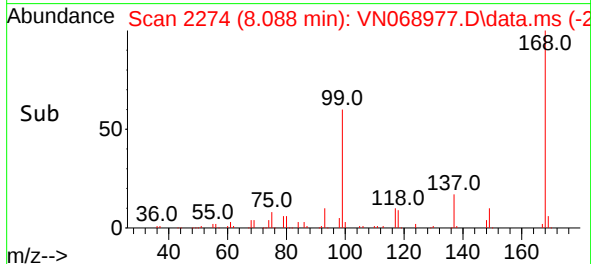
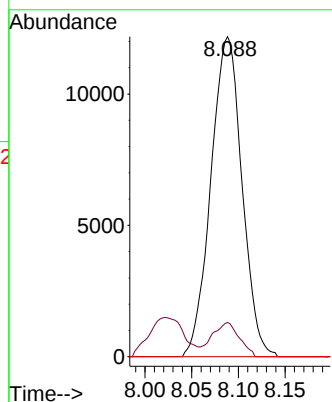
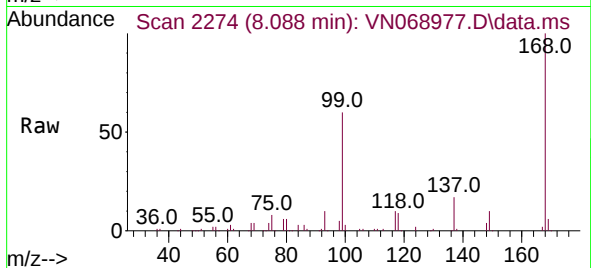




#36
1,1-Dichloropropene
Concen: 5.490 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

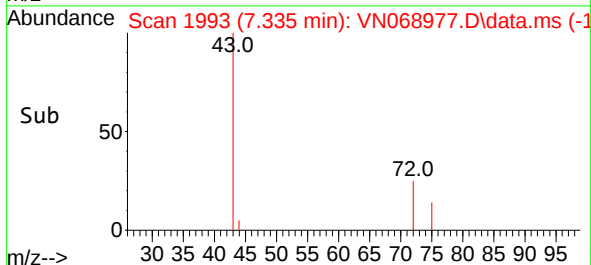
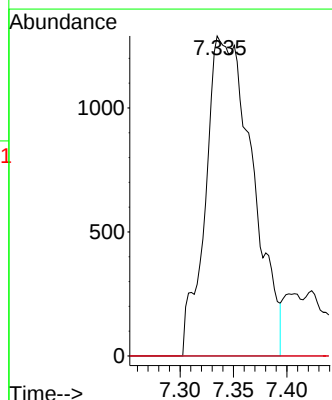
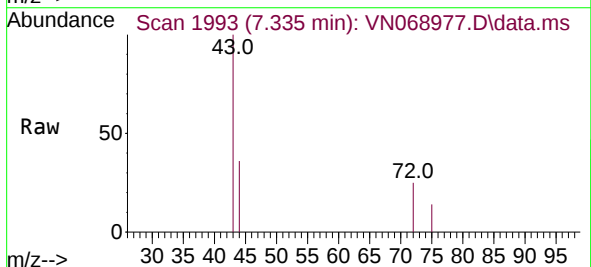
Instrument :
MSVOA_N
ClientSampleId :

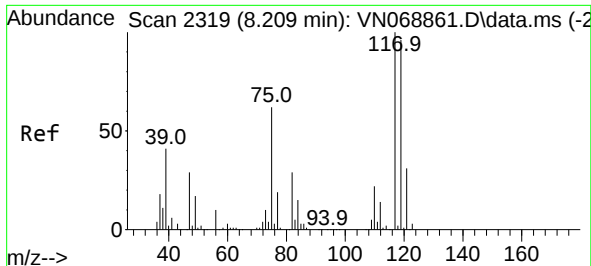
Tgt Ion: 75 Resp: 28202
Ion Ratio Lower Upper
75 100
110 9.3 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.739 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.075 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

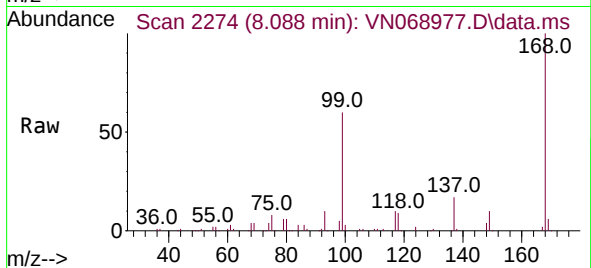
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
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61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



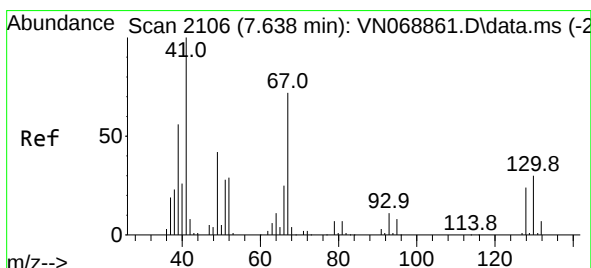
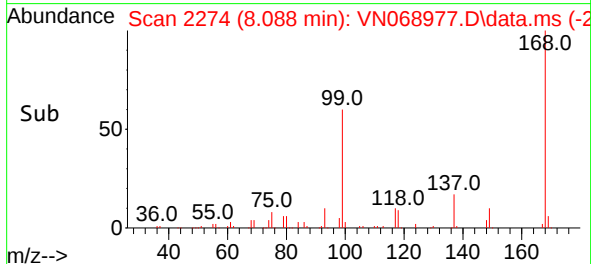
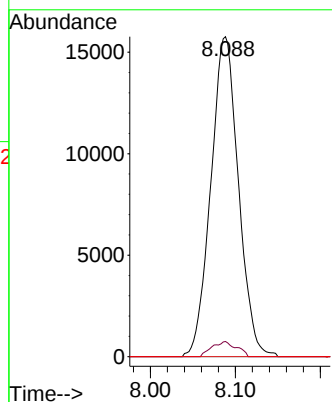


#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Instrument :
MSVOA_N
ClientSampled :

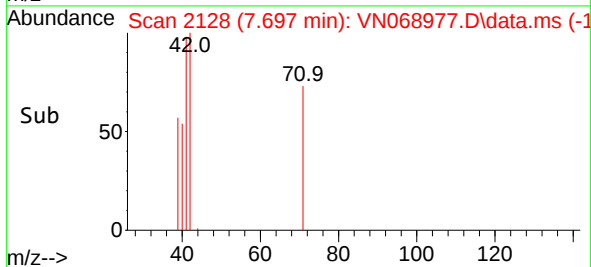
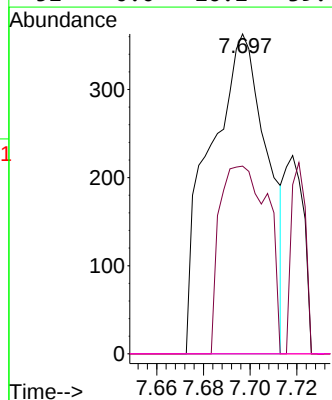
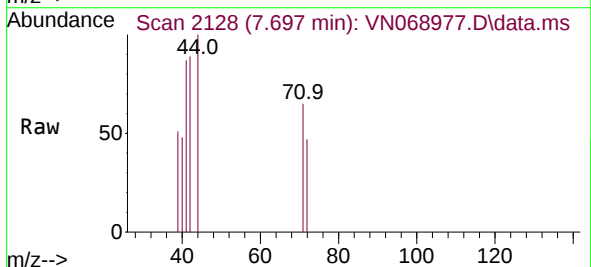


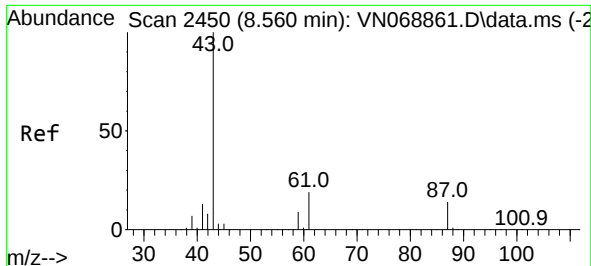
Tgt Ion:117 Resp: 35627
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 41 Resp: 625
Ion Ratio Lower Upper
41 100
39 48.3 44.9 67.3
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#





#43

Isopropyl Acetate

Concen: 5.165 ug/l

RT: 8.563 min Scan# 2451

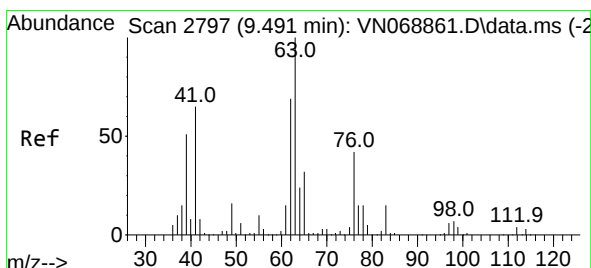
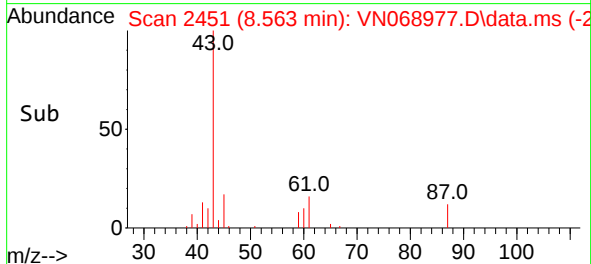
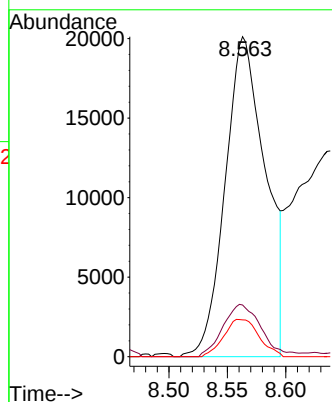
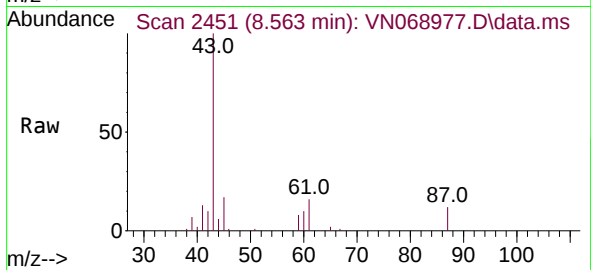
Delta R.T. 0.003 min

Lab File: VN068977.D

Acq: 18 Oct 2021 14:18

Tgt Ion:	43	Resp:	48346
Ion	Ratio	Lower	Upper
43	100		
61	15.5	20.4	30.6#
87	10.2	10.7	16.1#

Instrument :
MSVOA_N
ClientSampled :



#45

1,2-Dichloropropane

Concen: 0.521 ug/l

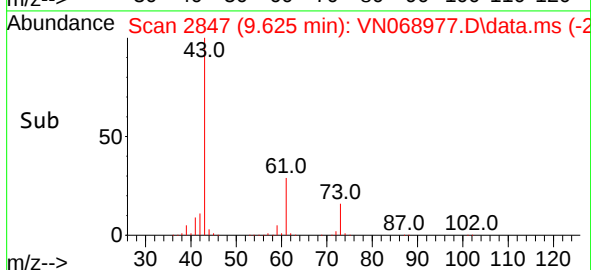
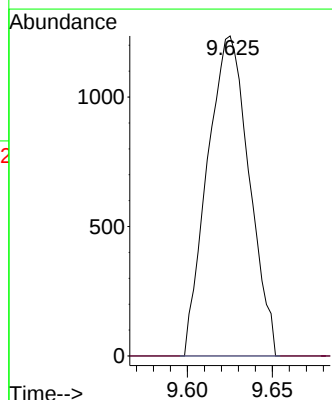
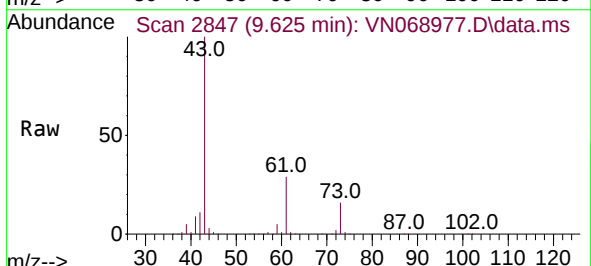
RT: 9.625 min Scan# 2847

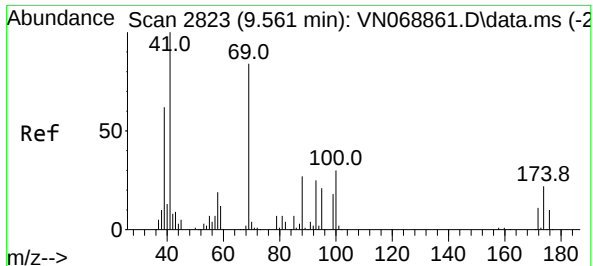
Delta R.T. 0.134 min

Lab File: VN068977.D

Acq: 18 Oct 2021 14:18

Tgt Ion:	63	Resp:	2114
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.6	38.4#

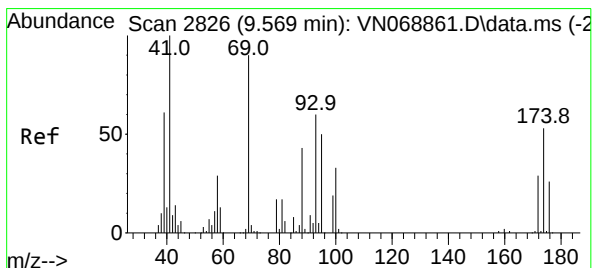
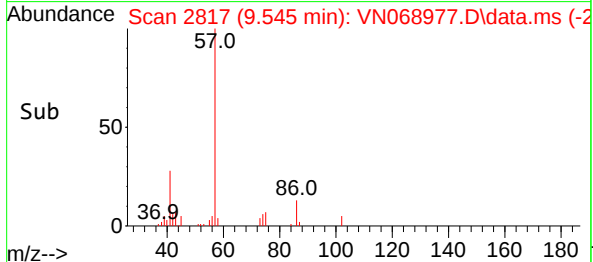
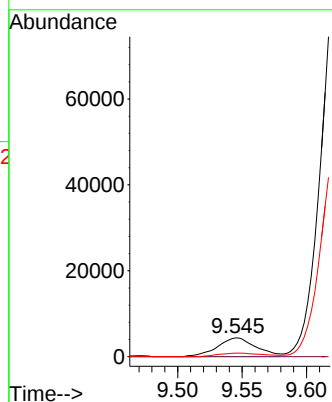
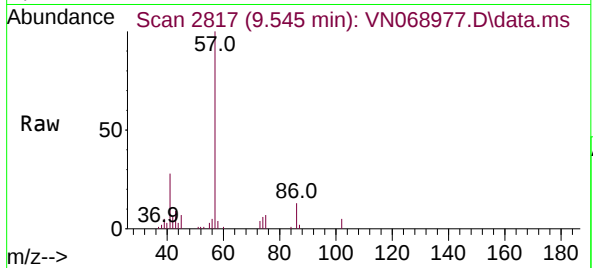




#48
Methyl methacrylate
Concen: 2.085 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

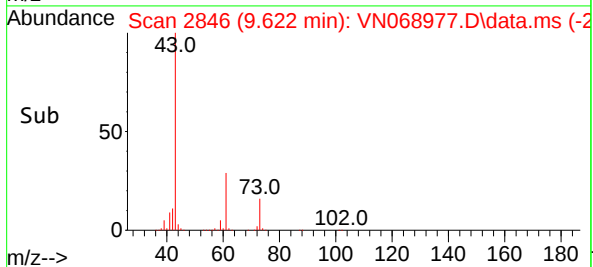
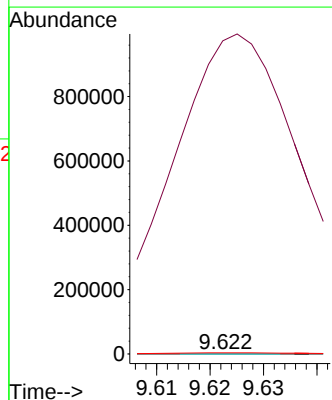
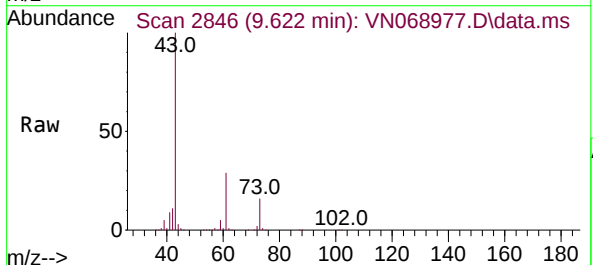
Instrument :
MSVOA_N
ClientSampled :

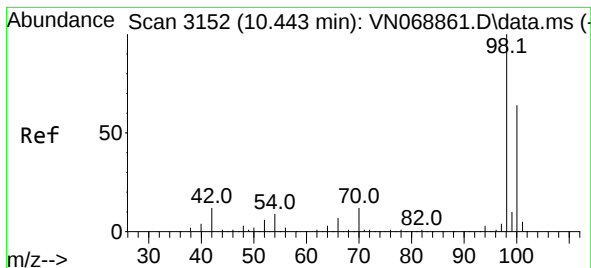
Tgt Ion: 41 Resp: 9172
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 36.905 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 1644117.7 24.9 37.3#
58 5943.4 56.9 85.3#

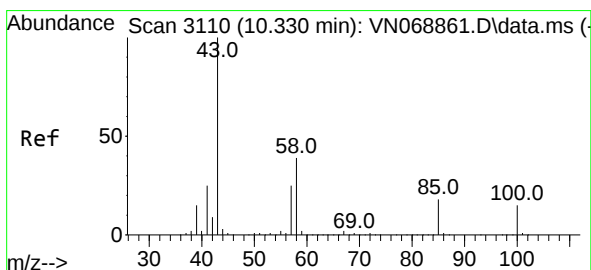
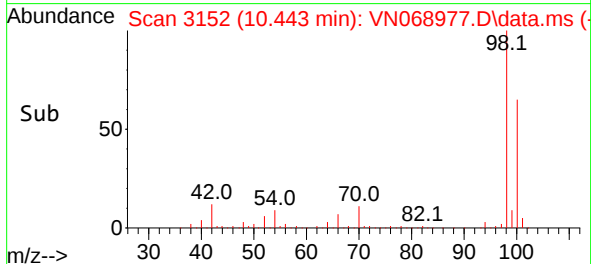
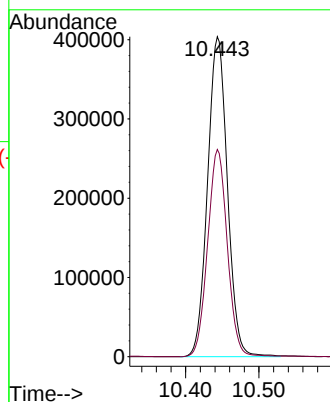
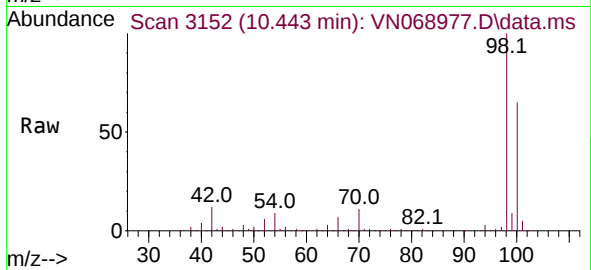




#50
Toluene-d8
Concen: 54.263 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

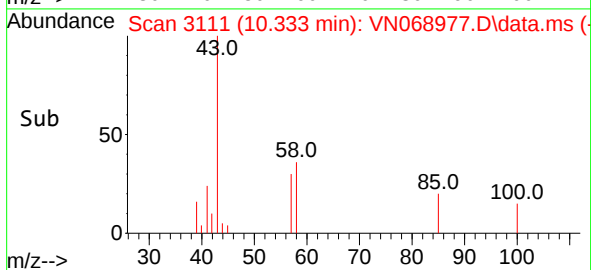
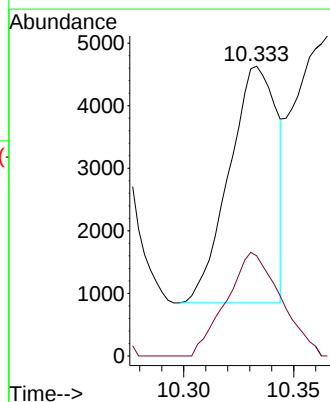
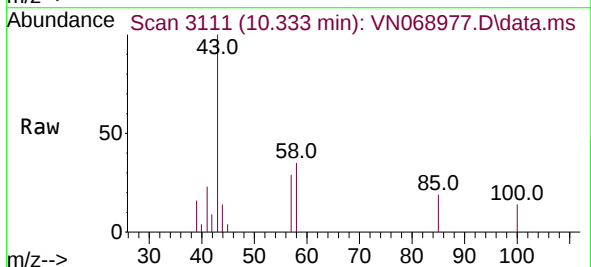
Instrument :
MSVOA_N
ClientSampled :

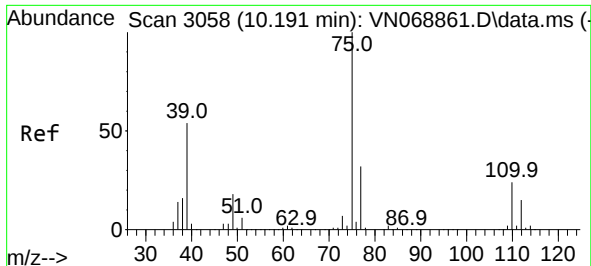
Tgt Ion: 98 Resp: 759680
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.050 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 43 Resp: 5699
Ion Ratio Lower Upper
43 100
58 50.0 31.0 46.4#

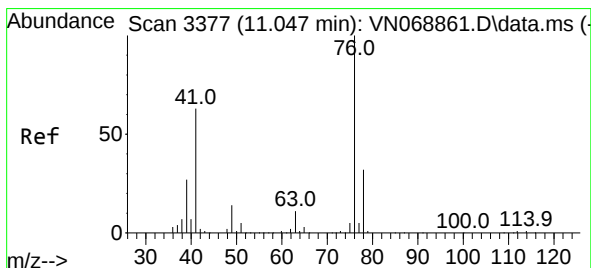
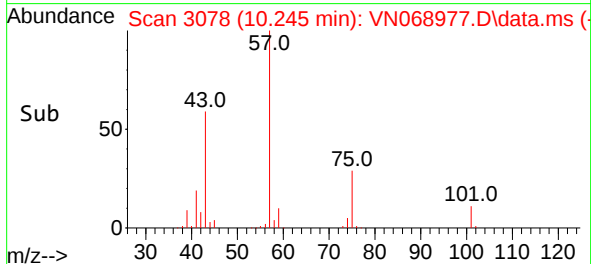
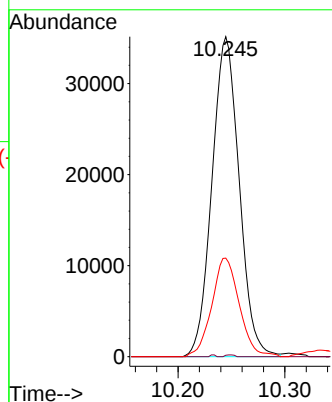
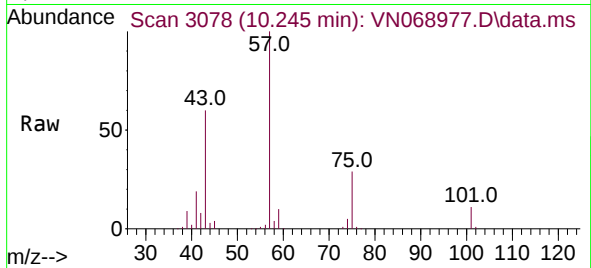




#54
 cis-1,3-Dichloropropene
 Concen: 9.193 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068977.D
 Acq: 18 Oct 2021 14:18

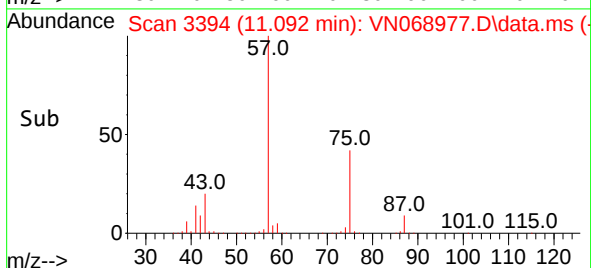
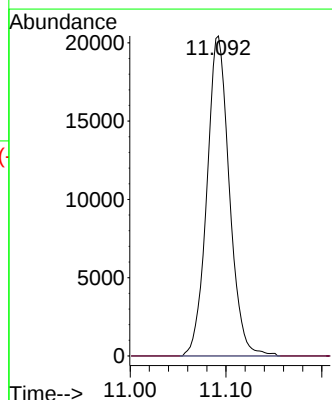
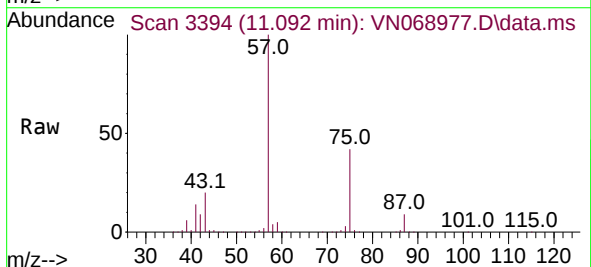
Instrument :
 MSVOA_N
 ClientSampled :

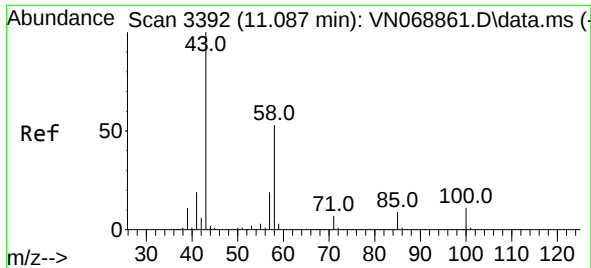
Tgt Ion: 75 Resp: 62208
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 30.8 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 5.091 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN068977.D
 Acq: 18 Oct 2021 14:18

Tgt Ion: 76 Resp: 33309
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

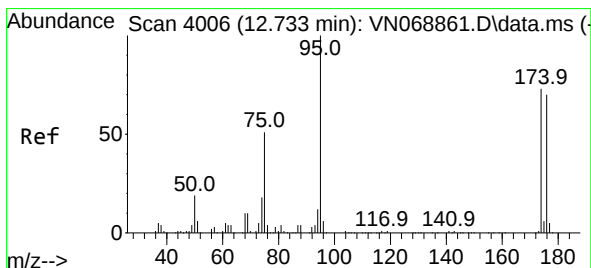
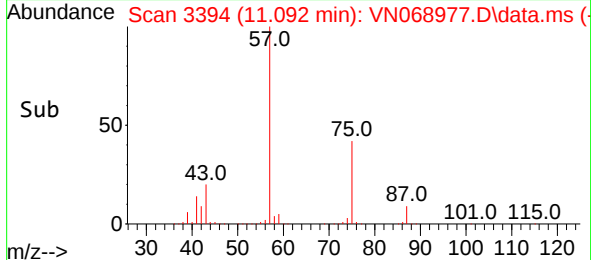
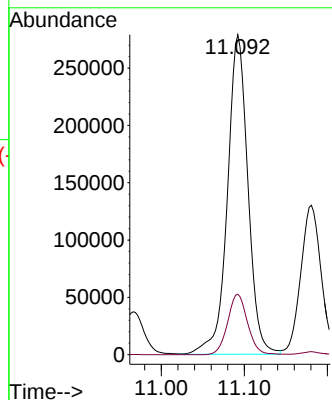
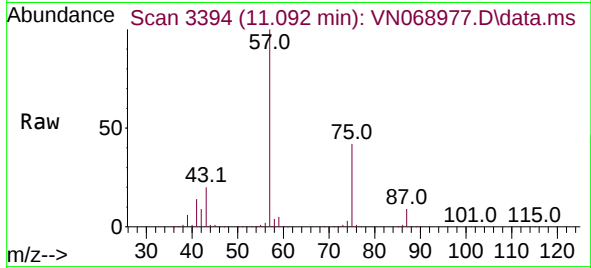




#59
2-Hexanone
Concen: 123.154 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

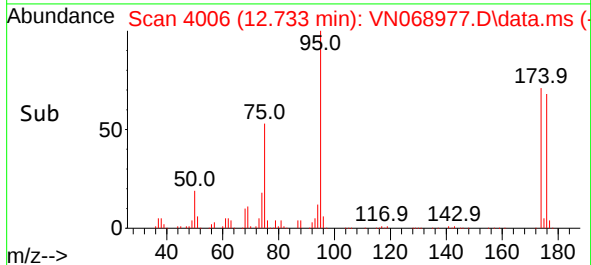
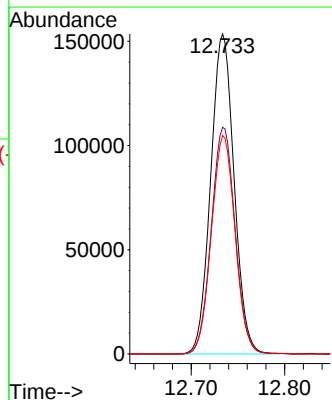
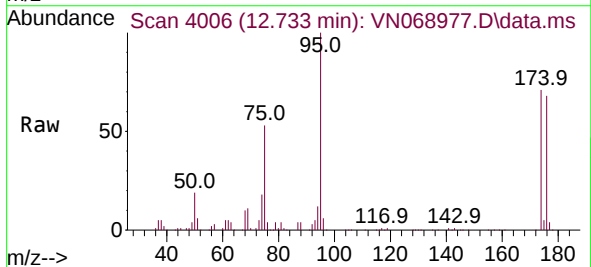
Instrument :
MSVOA_N
ClientSampleId :

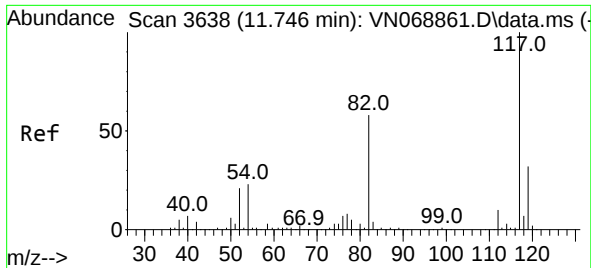
Tgt Ion: 43 Resp: 479360
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.647 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion: 95 Resp: 267516
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 69.2 0.0 140.0

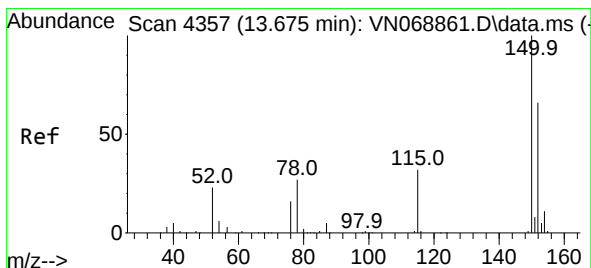
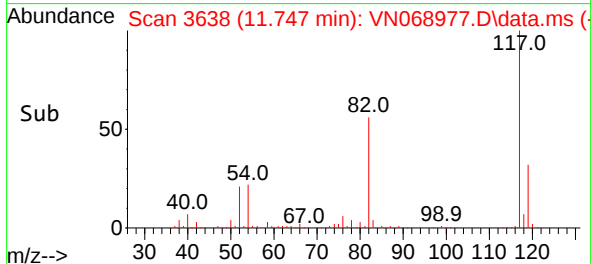
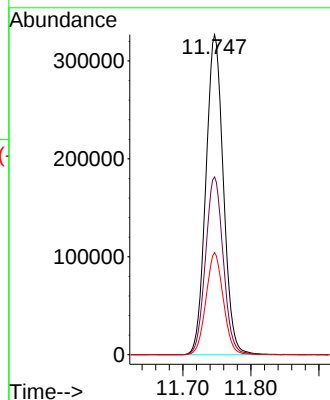
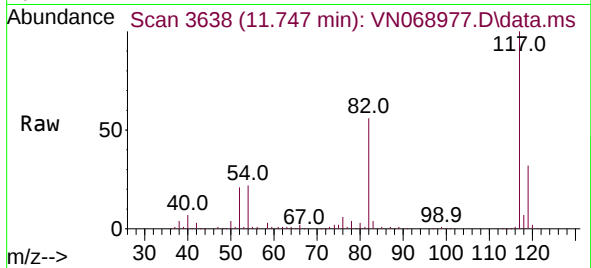




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

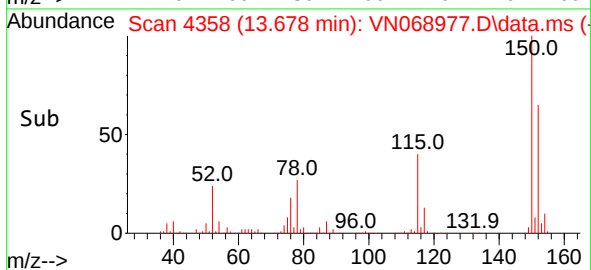
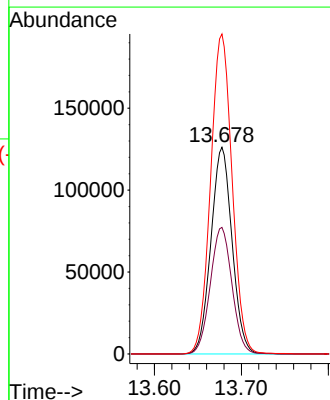
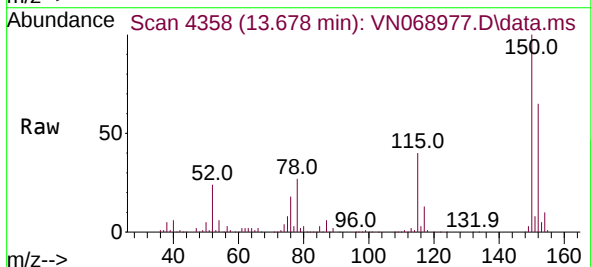
Instrument :
MSVOA_N
ClientSampled :

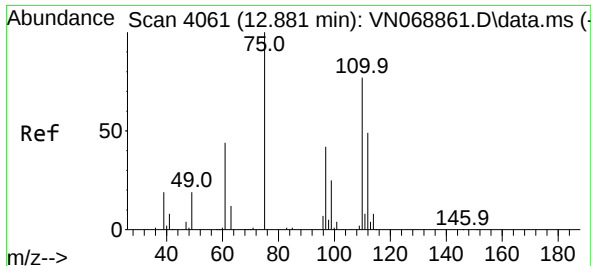
Tgt Ion:117 Resp: 584535
Ion Ratio Lower Upper
117 100
82 55.5 46.4 69.6
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Tgt Ion:152 Resp: 213384
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.3
150 157.2 0.0 351.0

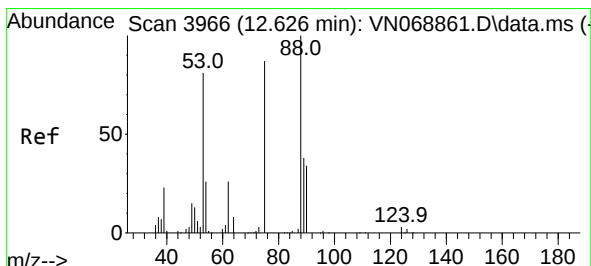
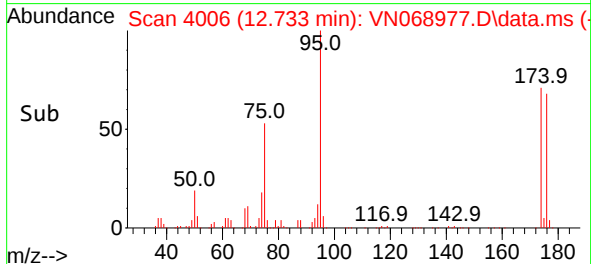
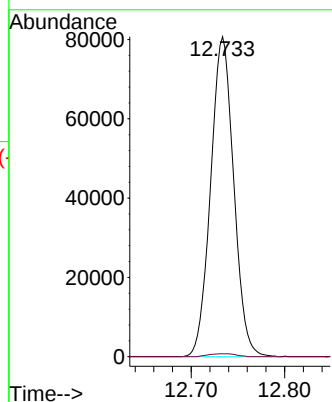
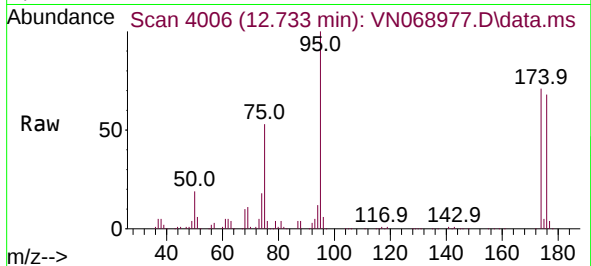




#76
1,2,3-Trichloropropane
Concen: 30.523 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

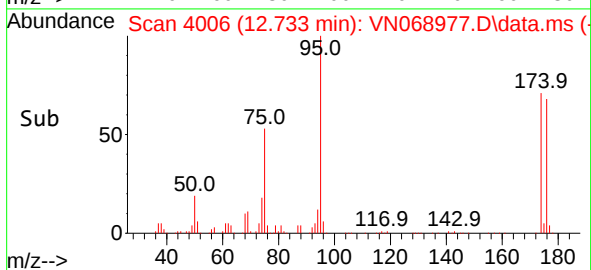
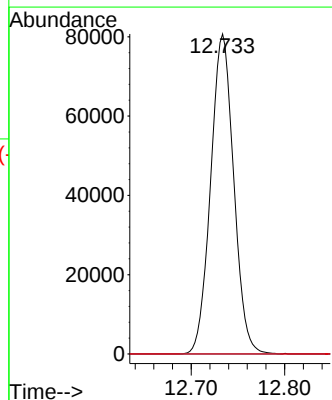
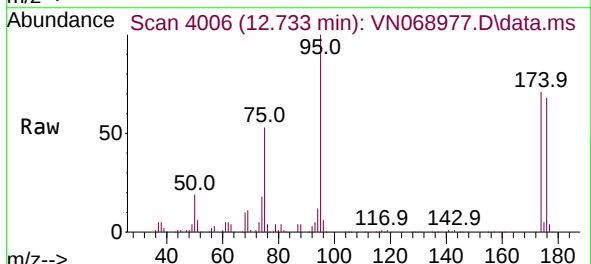
Instrument :
MSVOA_N
ClientSampled :

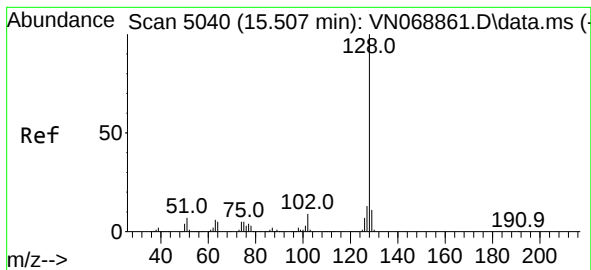
Tgt Ion: 75 Resp: 138582
Ion Ratio Lower Upper
75 100
77 1.1 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.025 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

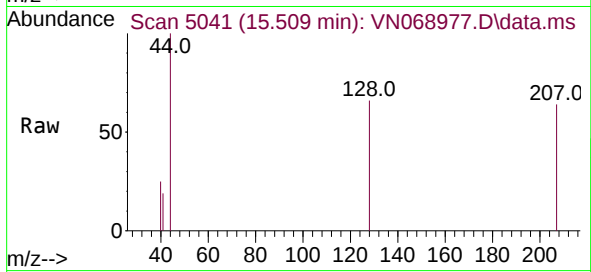
Tgt Ion: 75 Resp: 138582
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.892 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068977.D
Acq: 18 Oct 2021 14:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 862
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

