

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077127.D
 Acq On : 23 Mar 2023 04:59
 Operator : JC\MD
 Sample : PB151586ZHE003
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:29:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

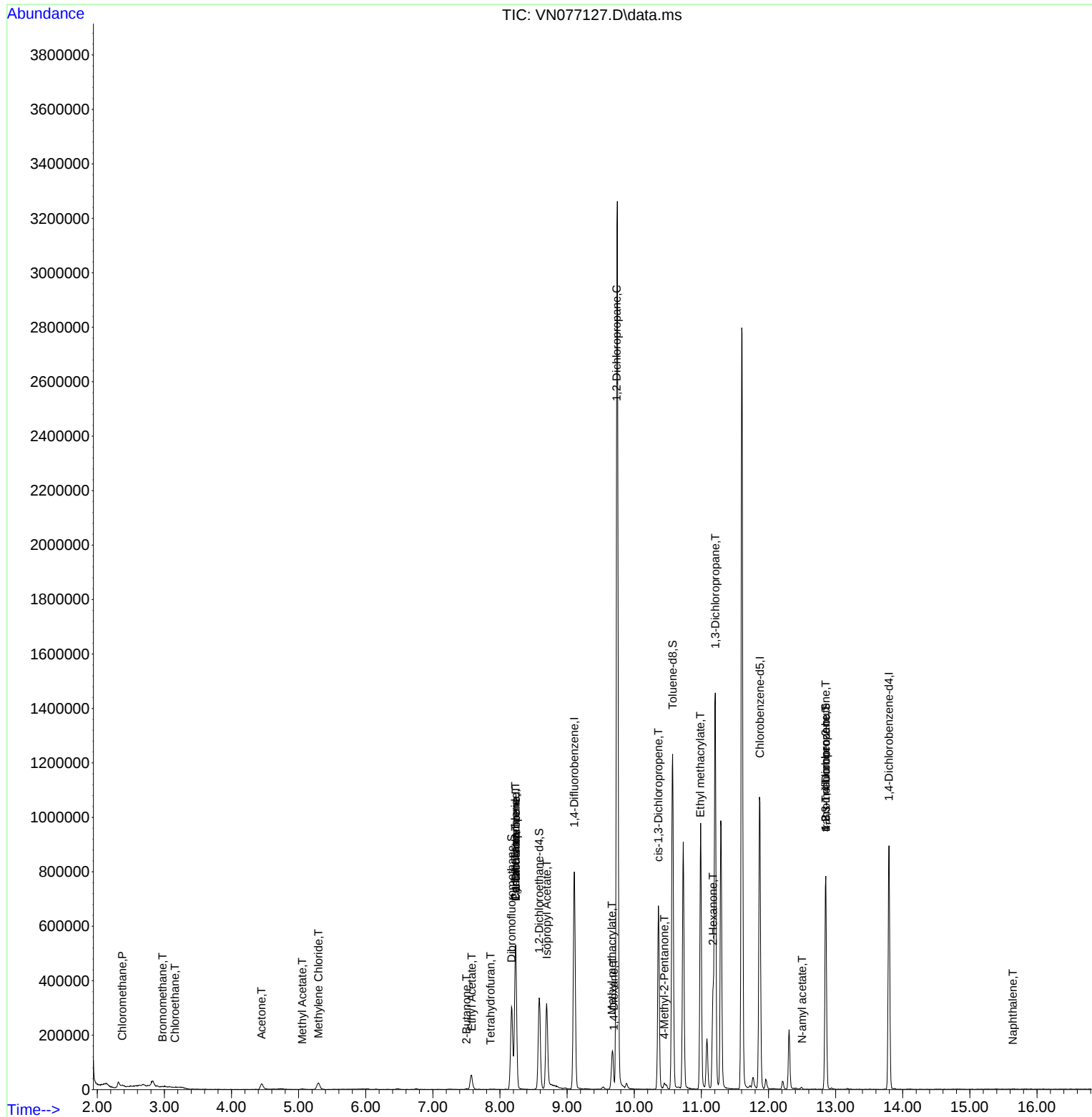
Internal Standards						
1) Pentafluorobenzene	8.236	168	375856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	662545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	600472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	222622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	275356	45.865	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.720%
35) Dibromofluoromethane	8.172	113	209227	45.093	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.180%
50) Toluene-d8	10.572	98	833075	50.263	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.854	95	253597	43.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1298	0.343	ug/l #	43
5) Bromomethane	2.972	94	622	0.225	ug/l	94
6) Chloroethane	3.160	64	1226	0.474	ug/l #	76
16) Acetone	4.448	43	40892	15.286	ug/l	97
18) Methyl Acetate	5.054	43	4343	0.431	ug/l #	76
20) Methylene Chloride	5.295	84	17647	3.040	ug/l	93
25) 2-Butanone	7.501	43	4505	1.151	ug/l	92
29) Tetrahydrofuran	7.860	42	750	0.296	ug/l #	51
31) Cyclohexane	8.231	56	10430	1.062	ug/l #	26
36) 1,1-Dichloropropene	8.236	75	35696	4.926	ug/l #	50
37) Ethyl Acetate	7.578	43	80986	10.445	ug/l	98
38) Carbon Tetrachloride	8.231	117	39353	5.575	ug/l #	15
43) Isopropyl Acetate	8.695	43	378112	31.216	ug/l #	86
45) 1,2-Dichloropropane	9.736	63	4565	0.782	ug/l #	43
48) Methyl methacrylate	9.666	41	9430	1.628	ug/l #	16
49) 1,4-Dioxane	9.695	88	120	1.213	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	13422	1.779	ug/l	98
54) cis-1,3-Dichloropropene	10.360	75	111259	13.030	ug/l #	74
56) Ethyl methacrylate	10.983	69	3351	0.431	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	14514	1.532	ug/l #	44
59) 2-Hexanone	11.172	43	291567	53.293	ug/l #	24
74) N-amyl acetate	12.501	43	3298	0.382	ug/l #	49
76) 1,2,3-Trichloropropane	12.854	75	145213	25.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	145213	69.413	ug/l #	10
95) Naphthalene	15.642	128	1626	2.018	ug/l #	81

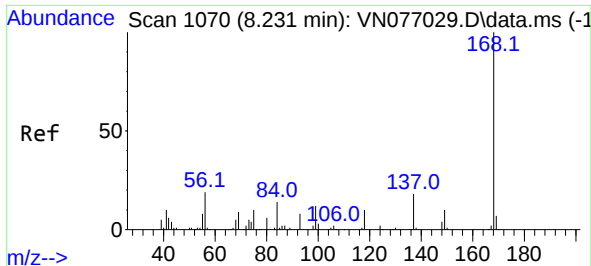
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Mar 23 09:29:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

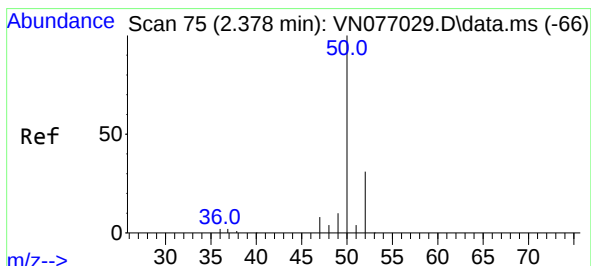
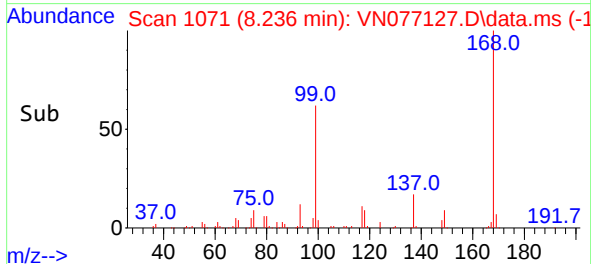
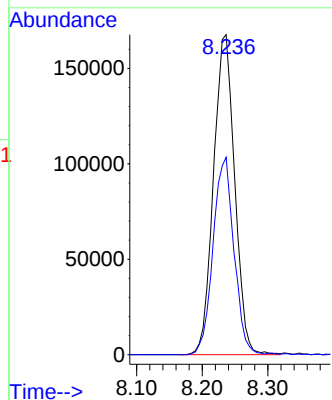
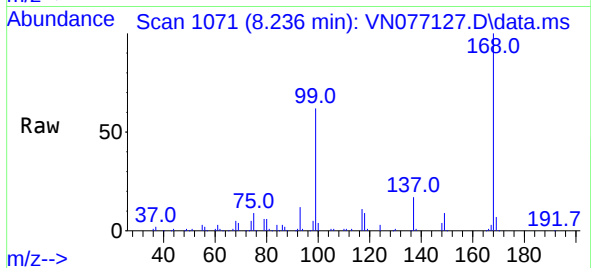




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

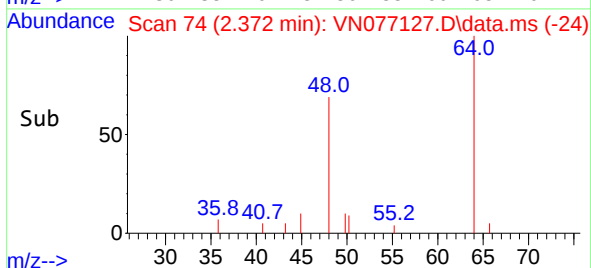
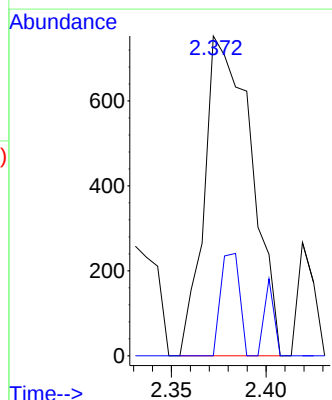
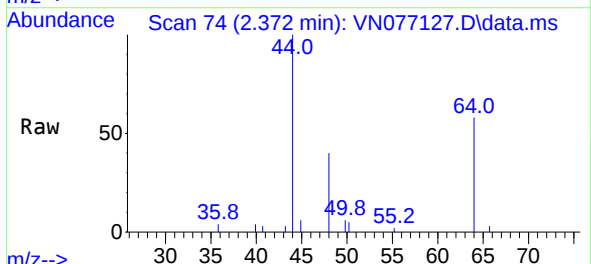
Instrument :
MSVOA_N
ClientSampleId :

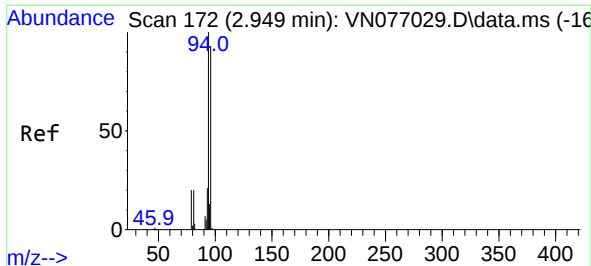
Tgt Ion:168 Resp: 375856
Ion Ratio Lower Upper
168 100
99 61.7 53.9 80.9



#3
Chloromethane
Concen: 0.343 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 50 Resp: 1298
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

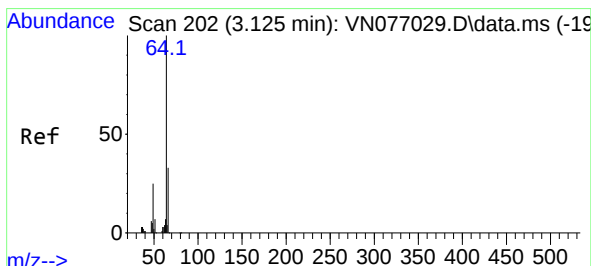
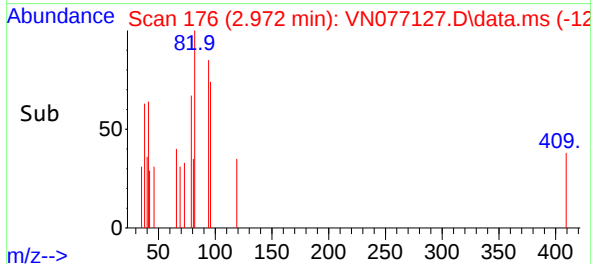
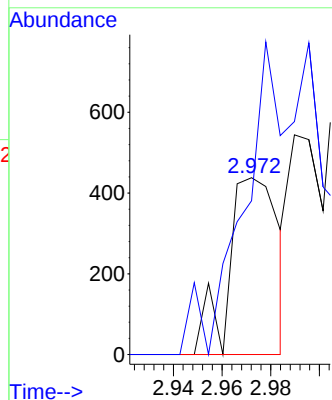
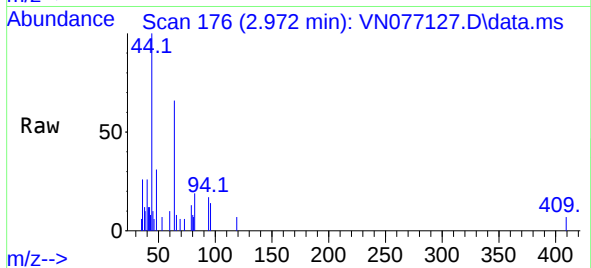




#5
Bromomethane
Concen: 0.225 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

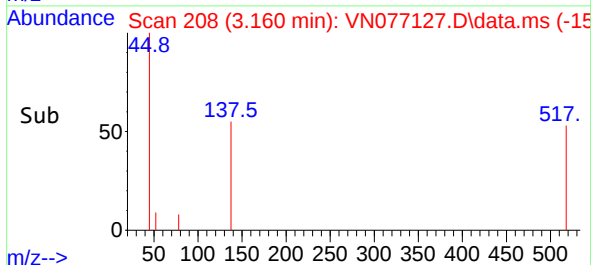
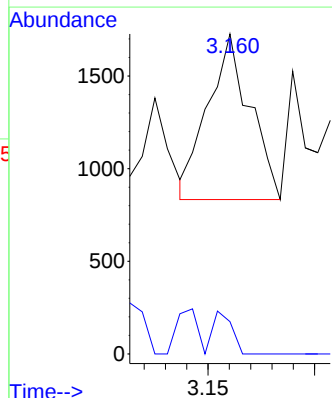
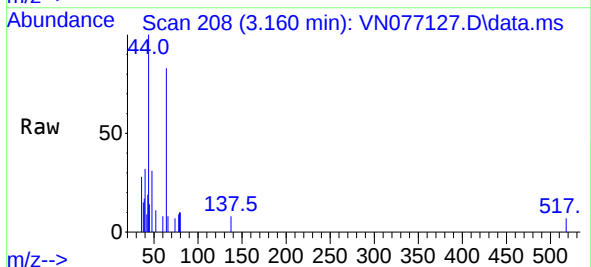
Instrument :
MSVOA_N
ClientSampleId :

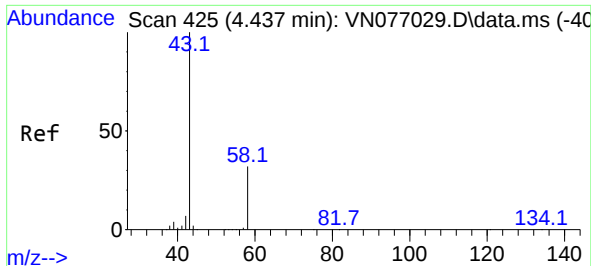
Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 87.0 74.1 111.1



#6
Chloroethane
Concen: 0.474 ug/l
RT: 3.160 min Scan# 208
Delta R.T. 0.035 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 64 Resp: 1226
Ion Ratio Lower Upper
64 100
66 19.5 26.3 39.5#

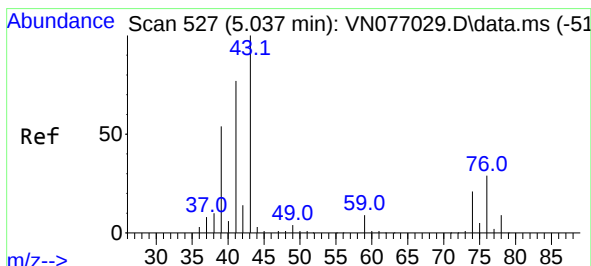
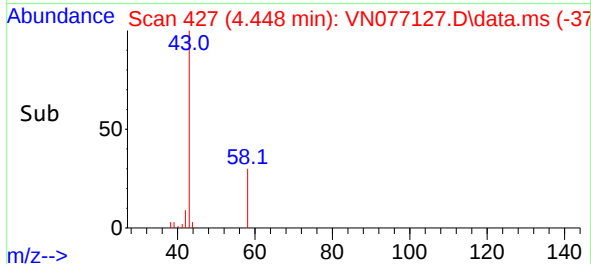
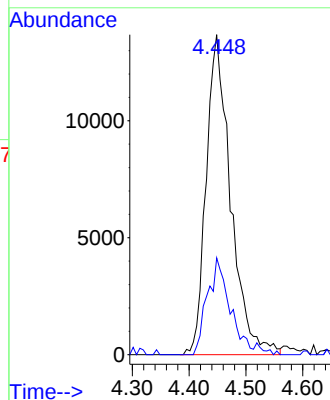
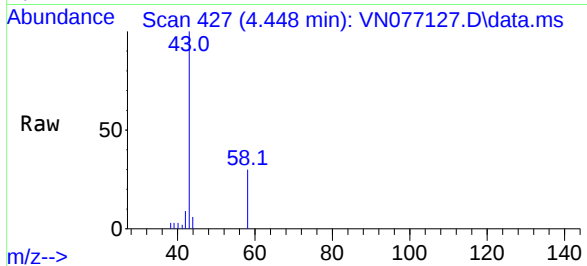




#16
Acetone
Concen: 15.286 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

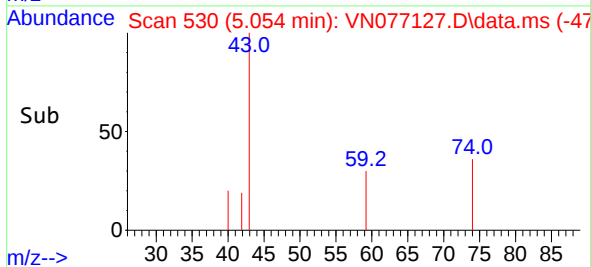
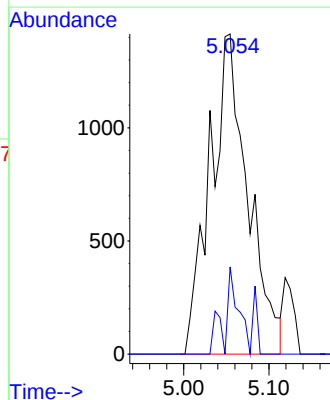
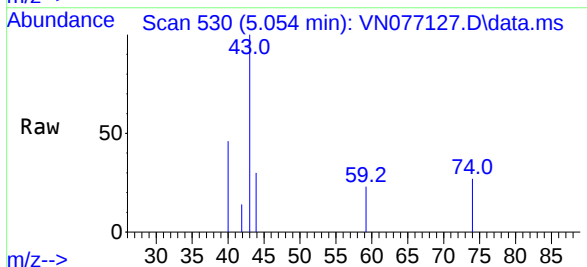
Instrument :
MSVOA_N
ClientSampleId :

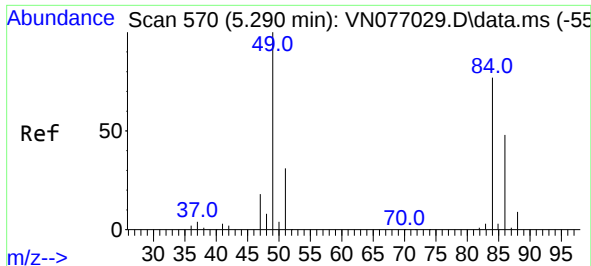
Tgt Ion: 43 Resp: 40892
Ion Ratio Lower Upper
43 100
58 30.2 25.4 38.0



#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 5.054 min Scan# 530
Delta R.T. 0.017 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

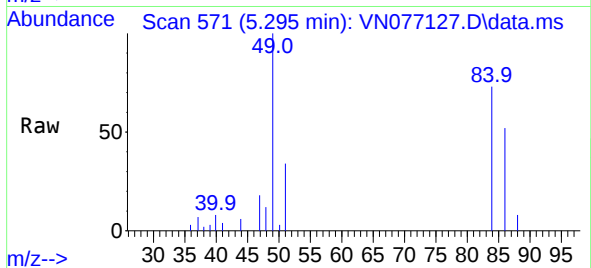
Tgt Ion: 43 Resp: 4343
Ion Ratio Lower Upper
43 100
74 10.4 17.7 26.5#





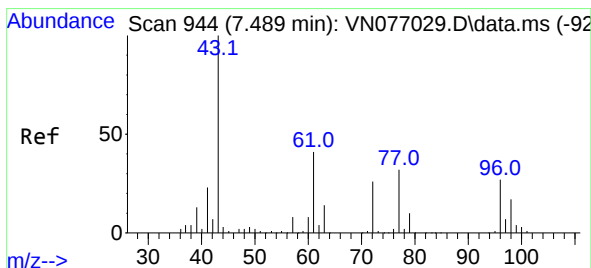
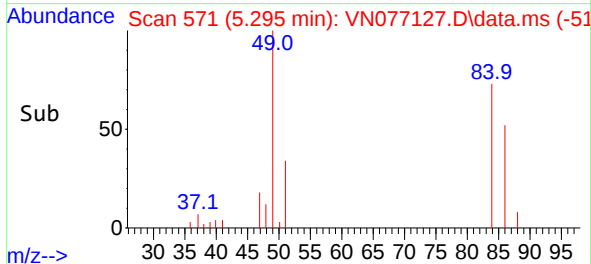
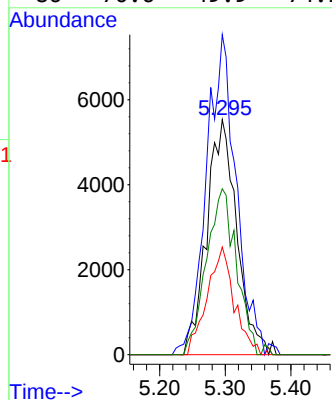
#20
Methylene Chloride
Concen: 3.040 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 17647

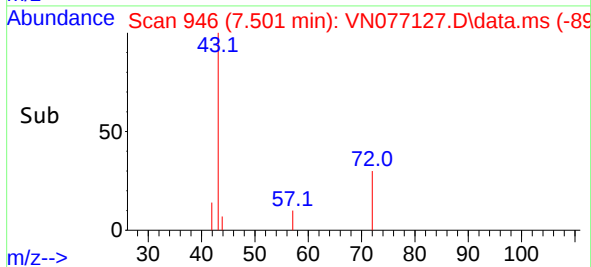
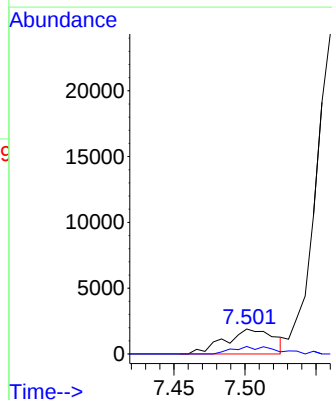
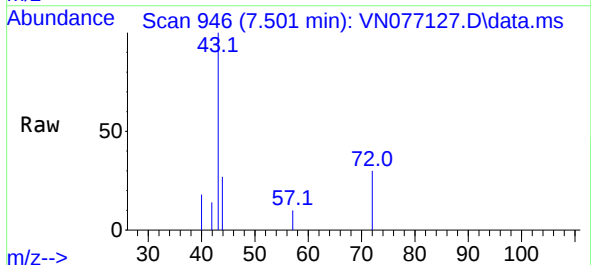
Ion	Ratio	Lower	Upper
84	100		
49	136.1	103.8	155.6
51	45.8	32.3	48.5
86	70.6	49.9	74.9

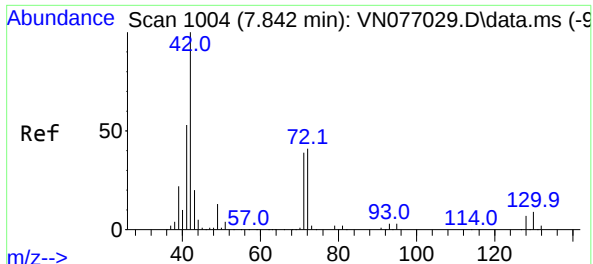


#25
2-Butanone
Concen: 1.151 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 43 Resp: 4505

Ion	Ratio	Lower	Upper
43	100		
72	29.9	20.7	31.1

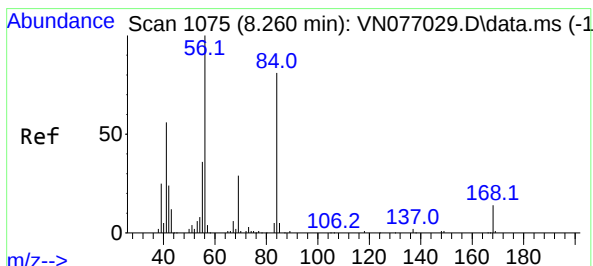
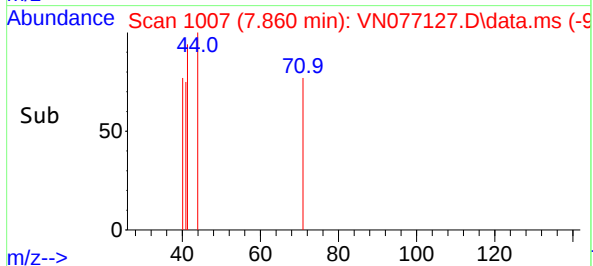
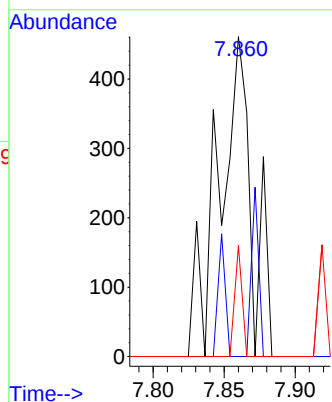
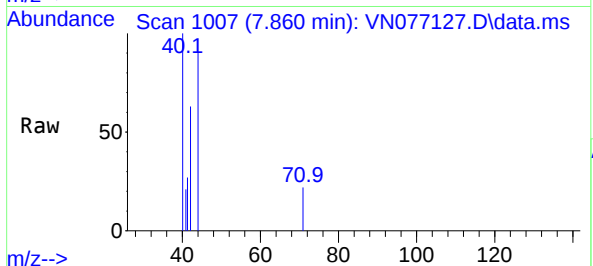




#29
Tetrahydrofuran
Concen: 0.296 ug/l
RT: 7.860 min Scan# 10
Delta R.T. 0.018 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

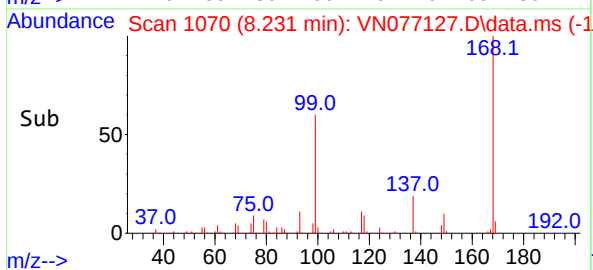
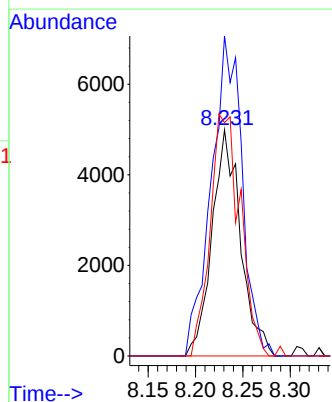
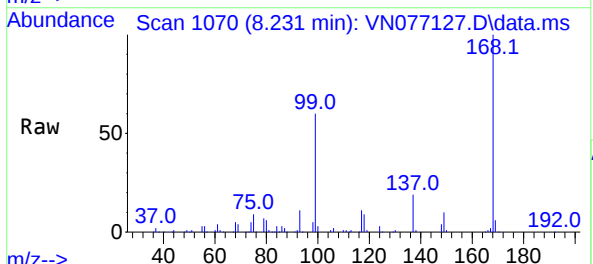
Instrument :
MSVOA_N
ClientSampleId :

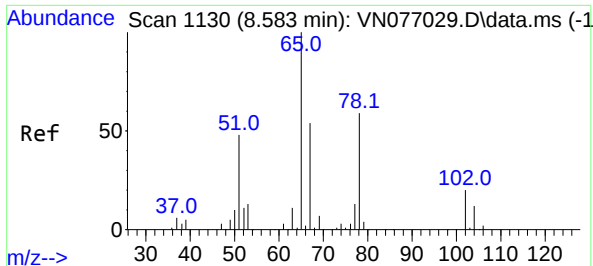
Tgt Ion: 42 Resp: 750
Ion Ratio Lower Upper
42 100
72 11.5 33.2 49.8#
71 7.5 31.0 46.4#



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 56 Resp: 10430
Ion Ratio Lower Upper
56 100
69 141.5 22.8 34.2#
84 103.2 64.7 97.1#

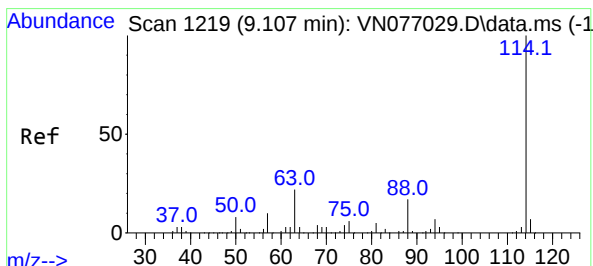
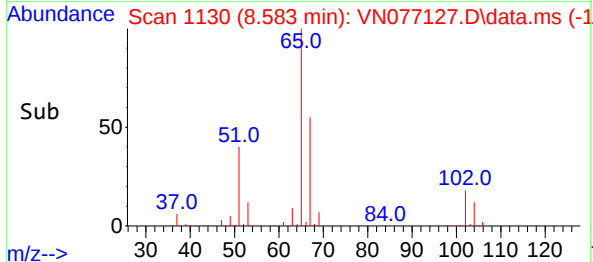
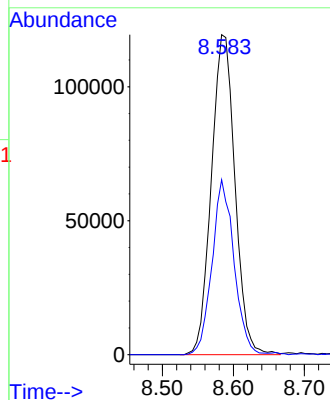
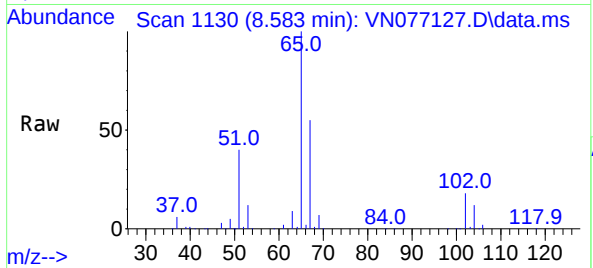




#33
1,2-Dichloroethane-d4
Concen: 45.865 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

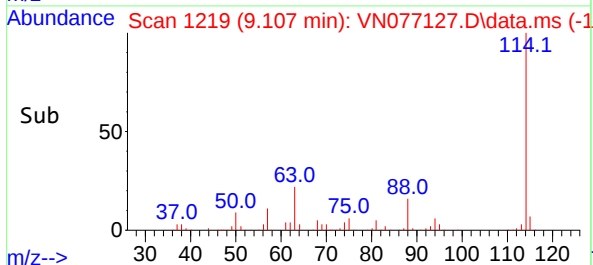
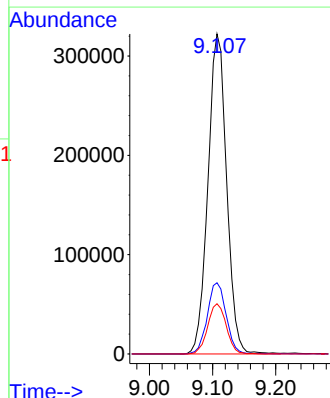
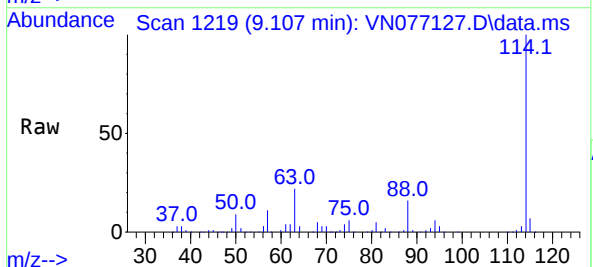
Instrument :
MSVOA_N
ClientSampleId :

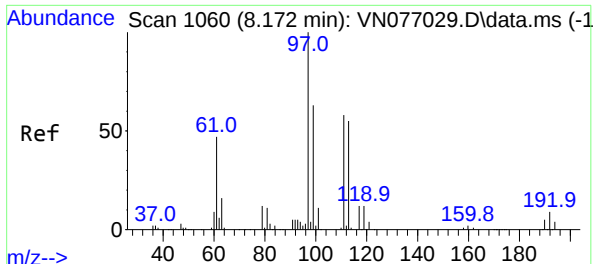
Tgt Ion: 65 Resp: 275356
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

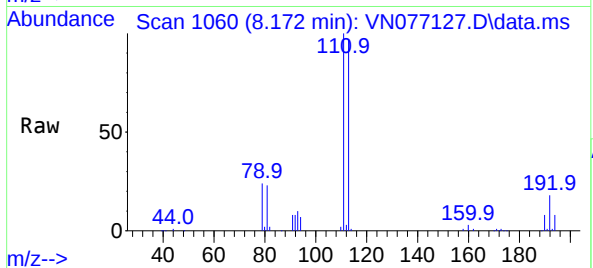
Tgt Ion: 114 Resp: 662545
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 15.7 0.0 33.8



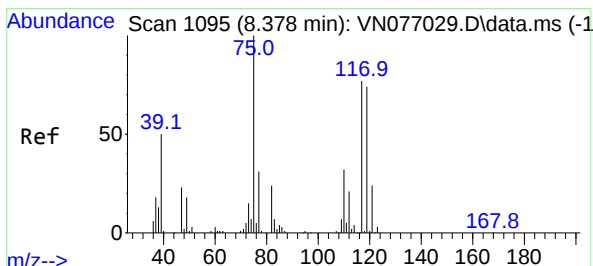
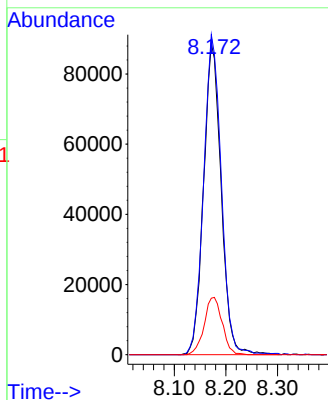
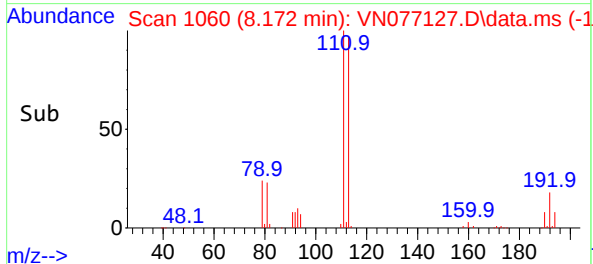


#35
Dibromofluoromethane
Concen: 45.093 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

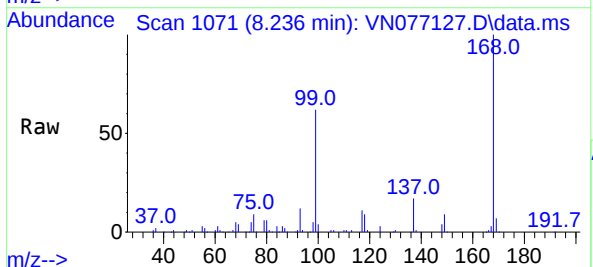
Instrument :
MSVOA_N
ClientSampleId :



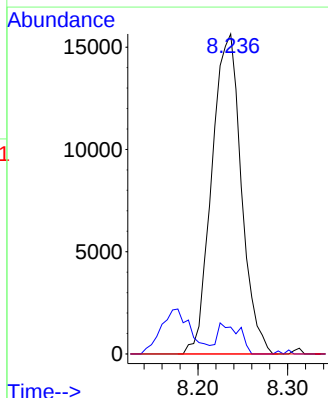
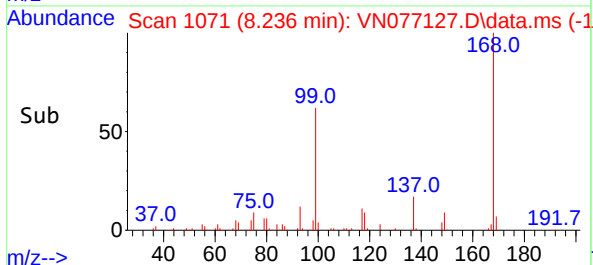
Tgt Ion:113 Resp: 209227
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 18.8 13.0 19.6

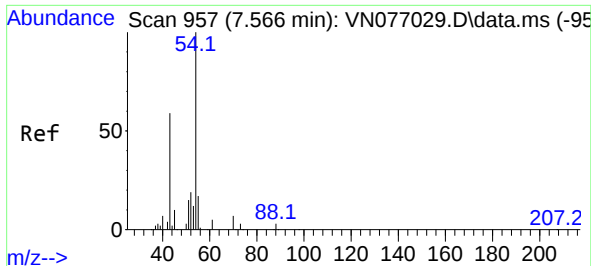


#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 8.236 min Scan# 1071
Delta R.T. -0.141 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59



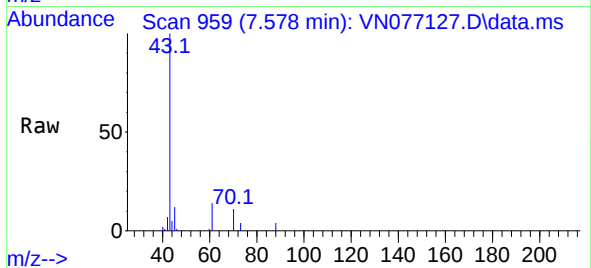
Tgt Ion: 75 Resp: 35696
Ion Ratio Lower Upper
75 100
110 7.2 15.9 47.7#
77 0.0 24.3 36.5#



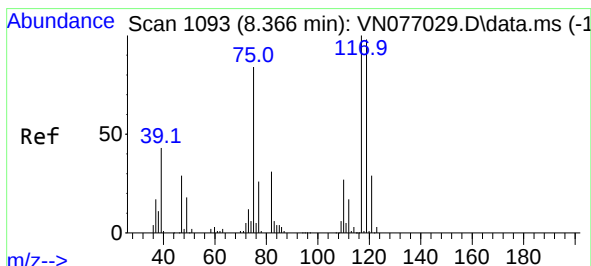
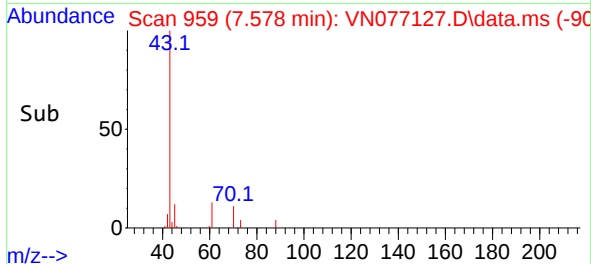
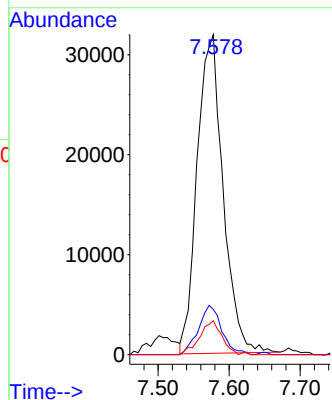


#37
Ethyl Acetate
Concen: 10.445 ug/l
RT: 7.578 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Instrument :
MSVOA_N
ClientSampleId :

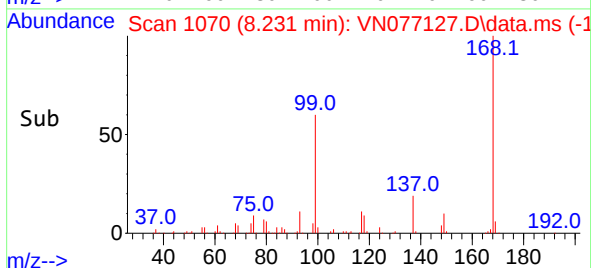
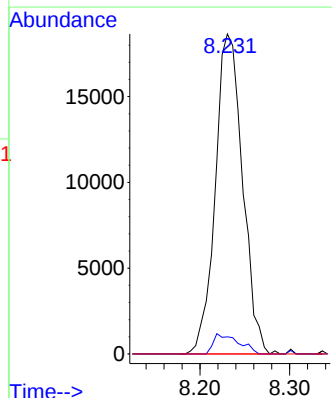
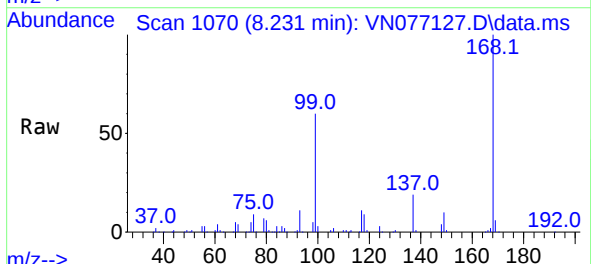


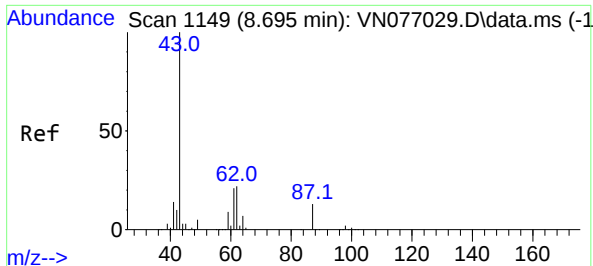
Tgt Ion: 43 Resp: 80986
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

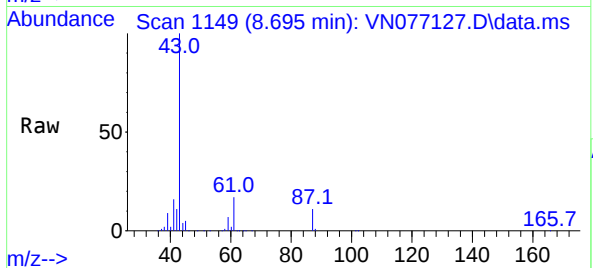
Tgt Ion: 117 Resp: 39353
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 23.2 34.8#



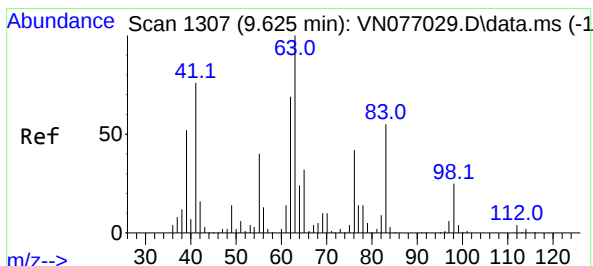
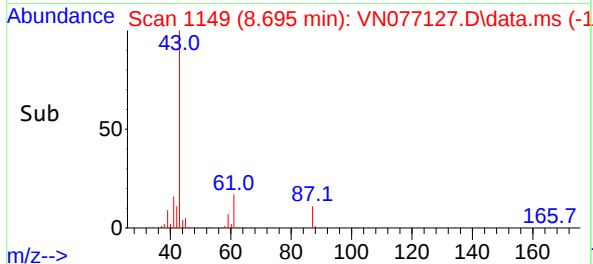
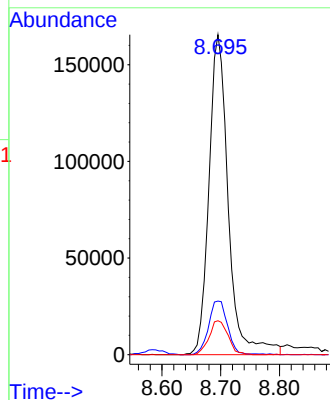


#43
Isopropyl Acetate
Concen: 31.216 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Instrument :
MSVOA_N
ClientSampleId :

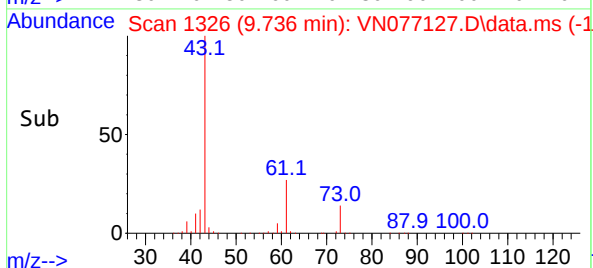
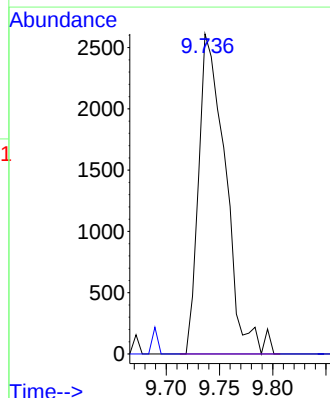
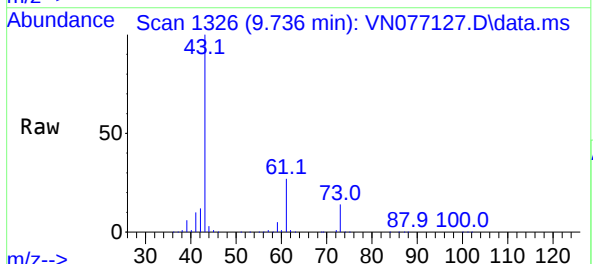


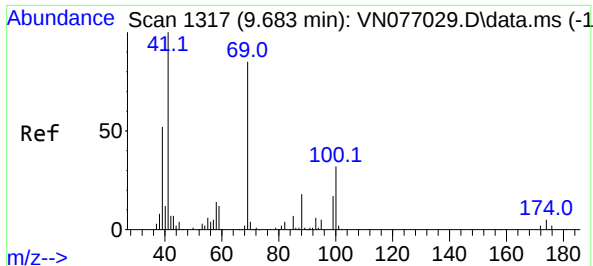
Tgt Ion: 43 Resp: 378112
Ion Ratio Lower Upper
43 100
61 16.6 20.6 30.8#
87 10.4 10.0 15.0



#45
1,2-Dichloropropane
Concen: 0.782 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.112 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 63 Resp: 4565
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#





#48

Methyl methacrylate

Concen: 1.628 ug/l

RT: 9.666 min Scan# 1314

Delta R.T. -0.018 min

Lab File: VN077127.D

Acq: 23 Mar 2023 04:59

Instrument :

MSVOA_N

ClientSampleId :

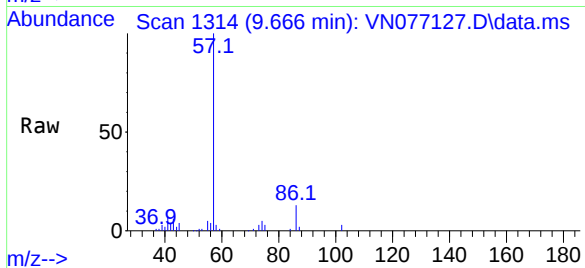
Tgt Ion: 41 Resp: 9430

Ion Ratio Lower Upper

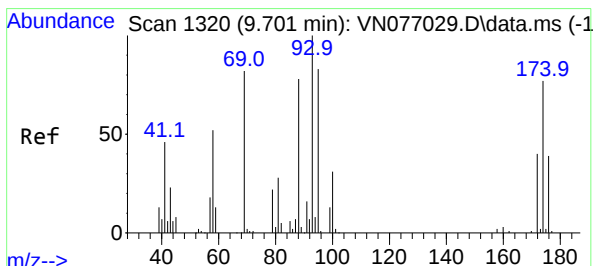
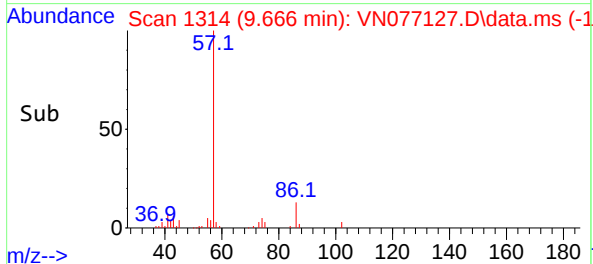
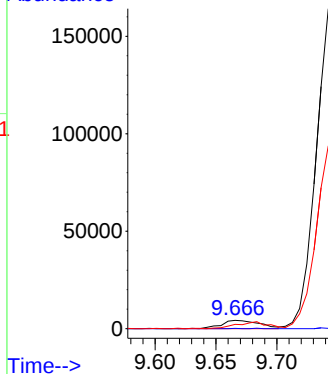
41 100

69 0.7 64.3 96.5#

39 0.0 43.2 64.8#



Abundance



#49

1,4-Dioxane

Concen: 1.213 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN077127.D

Acq: 23 Mar 2023 04:59

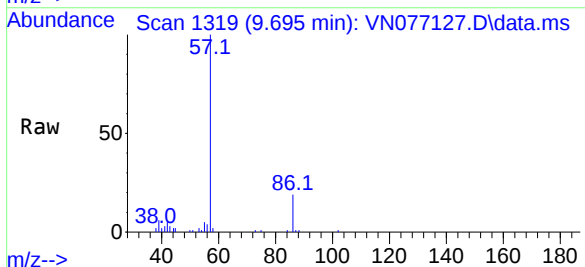
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

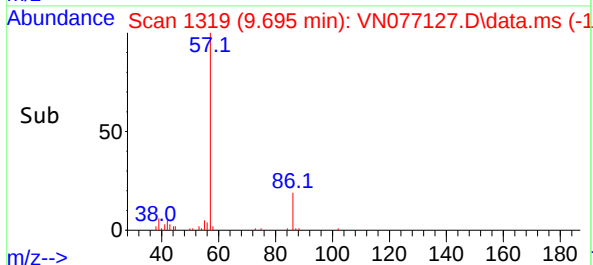
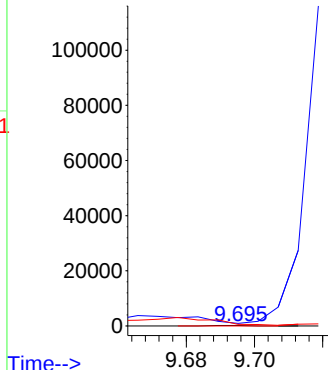
88 100

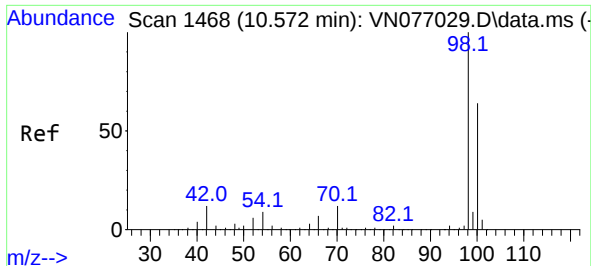
43 0.0 22.2 33.2#

58 5239.2 60.8 91.2#



Abundance

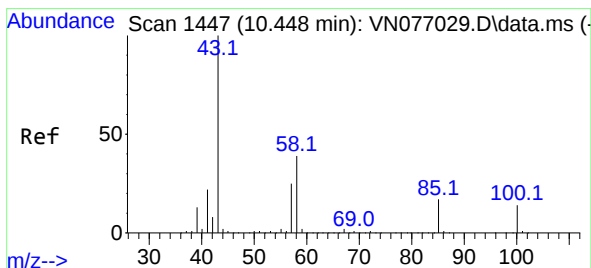
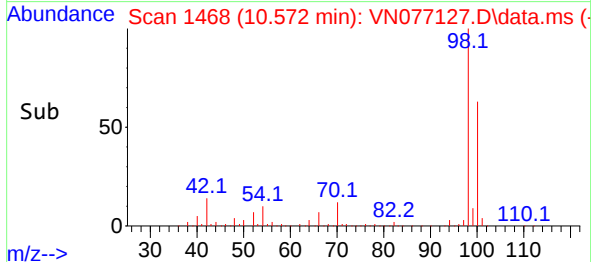
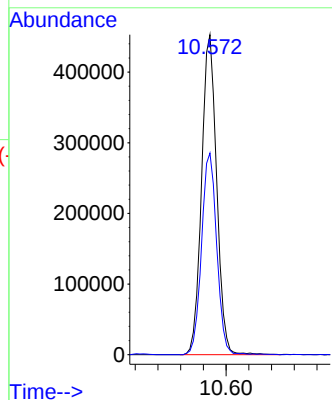
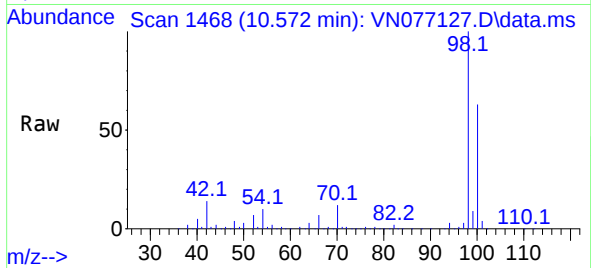




#50
Toluene-d8
Concen: 50.263 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

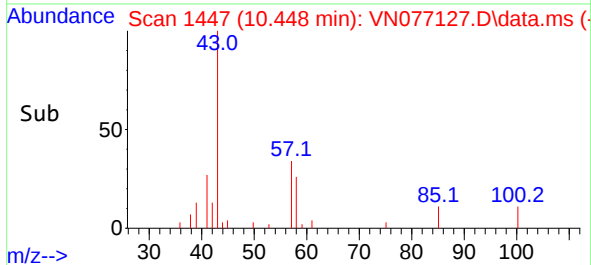
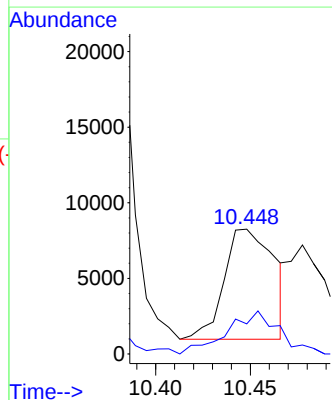
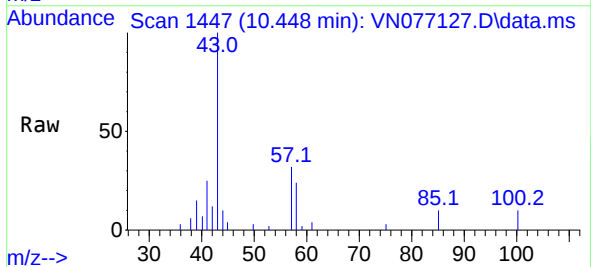
Instrument :
MSVOA_N
ClientSampleId :

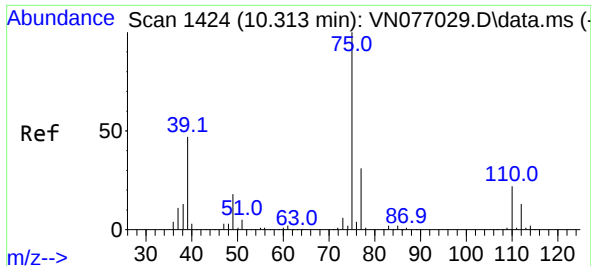
Tgt Ion: 98 Resp: 833075
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.779 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 43 Resp: 13422
Ion Ratio Lower Upper
43 100
58 40.4 31.1 46.7

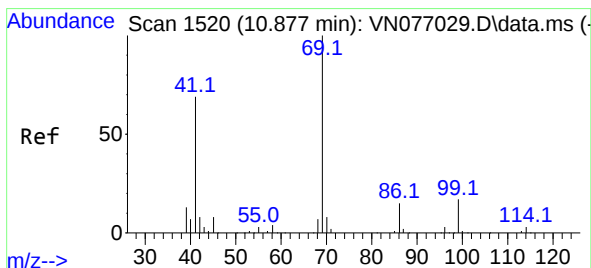
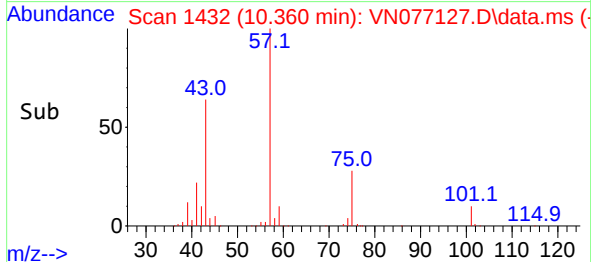
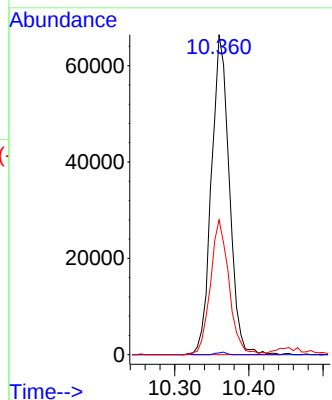
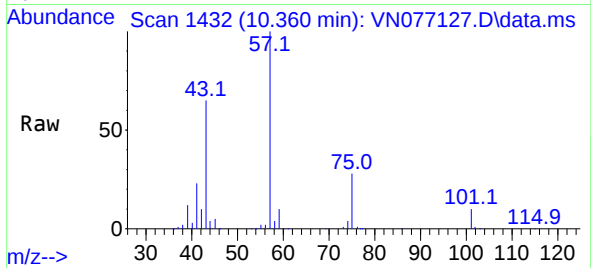




#54
cis-1,3-Dichloropropene
Concen: 13.030 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

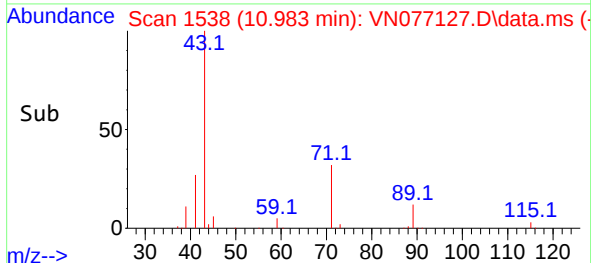
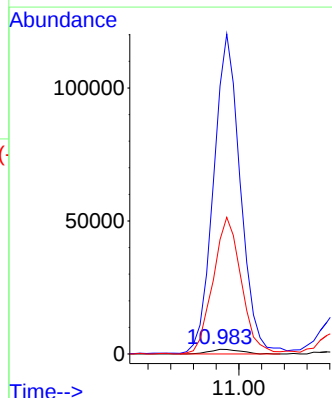
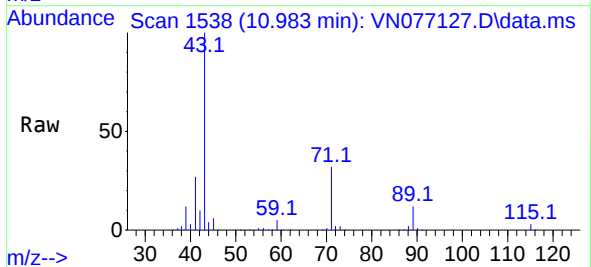
Instrument :
MSVOA_N
ClientSampleId :

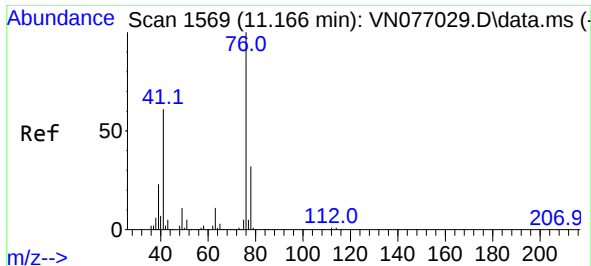
Tgt Ion: 75 Resp: 111259
Ion Ratio Lower Upper
75 100
77 0.6 24.5 36.7#
39 42.1 37.8 56.6



#56
Ethyl methacrylate
Concen: 0.431 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.106 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 69 Resp: 3351
Ion Ratio Lower Upper
69 100
41 5856.7 54.9 82.3#
39 2643.8 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 1.532 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077127.D

Acq: 23 Mar 2023 04:59

Instrument :

MSVOA_N

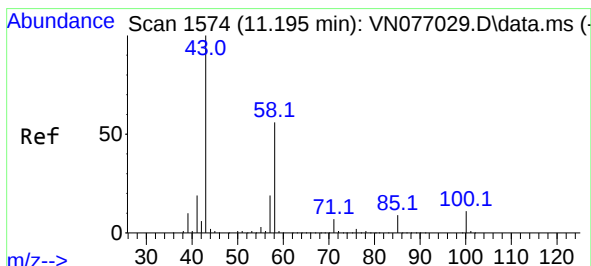
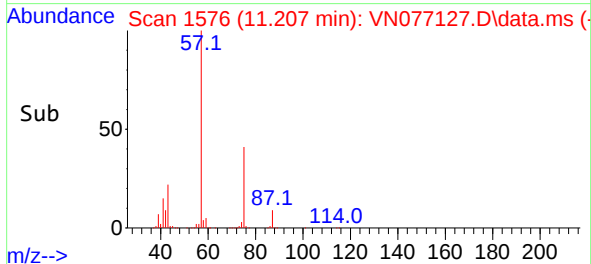
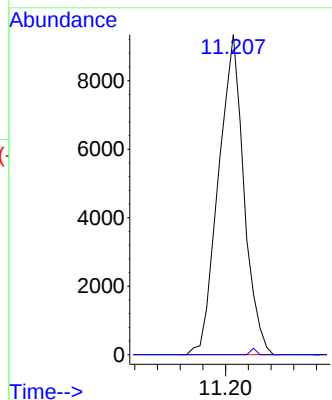
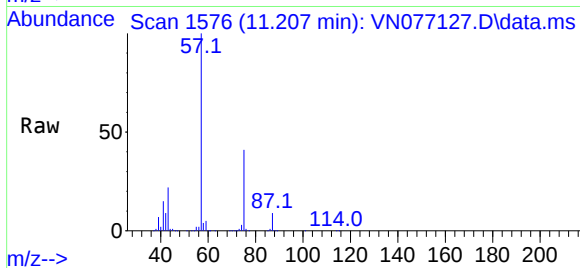
ClientSampleId :

Tgt Ion: 76 Resp: 14514

Ion Ratio Lower Upper

76 100

78 0.5 25.3 37.9#



#59

2-Hexanone

Concen: 53.293 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077127.D

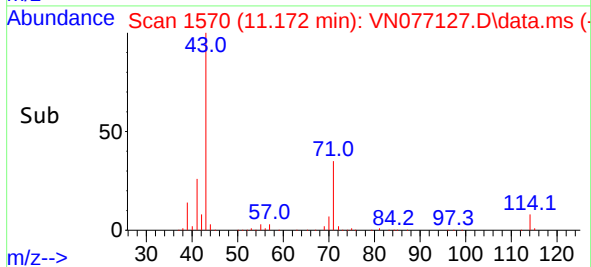
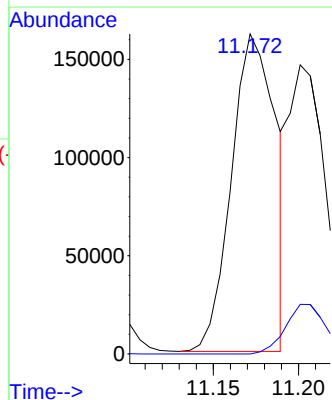
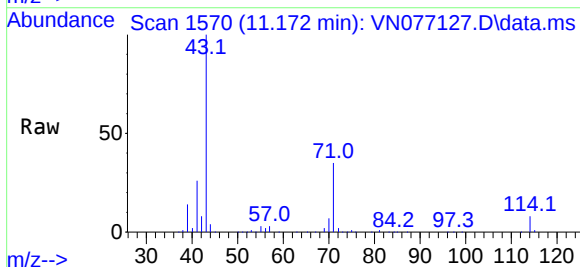
Acq: 23 Mar 2023 04:59

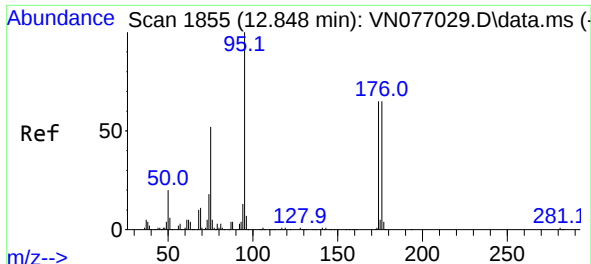
Tgt Ion: 43 Resp: 291567

Ion Ratio Lower Upper

43 100

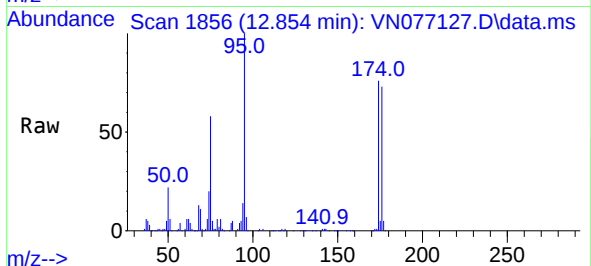
58 0.0 27.7 83.1#



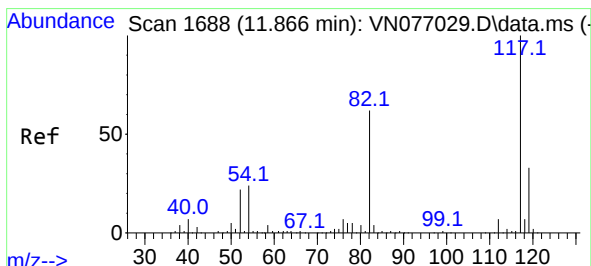
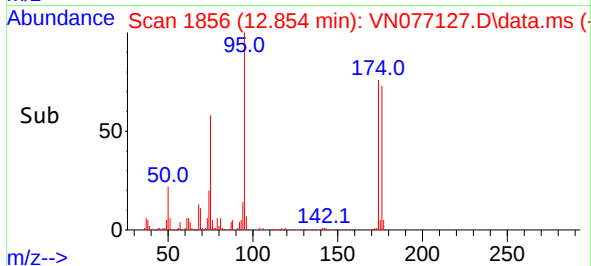
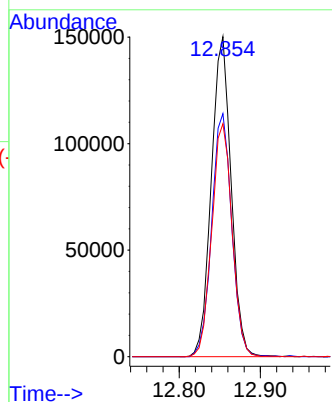


#62
4-Bromofluorobenzene
Concen: 43.300 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Instrument :
MSVOA_N
ClientSampleId :

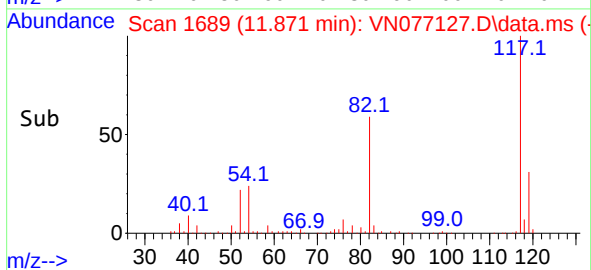
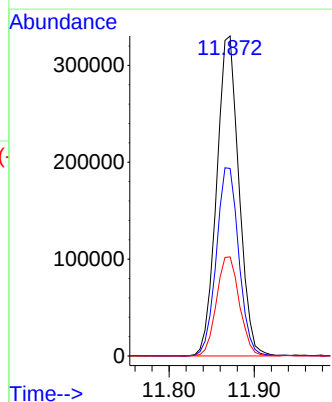
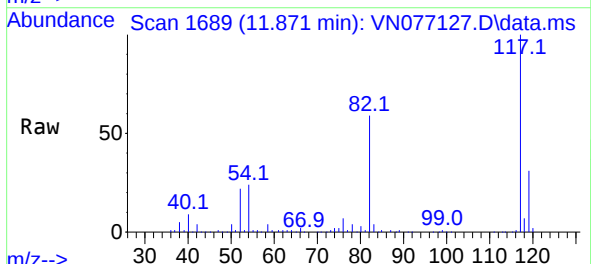


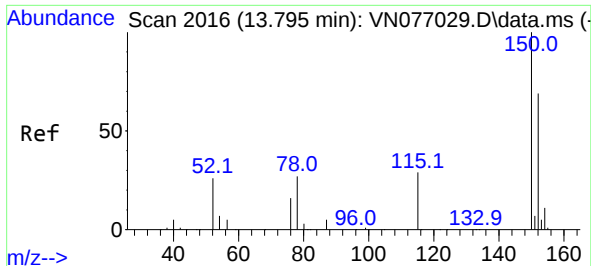
Tgt Ion: 95 Resp: 253597
Ion Ratio Lower Upper
95 100
174 77.0 0.0 136.6
176 74.8 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 117 Resp: 600472
Ion Ratio Lower Upper
117 100
82 58.6 49.4 74.0
119 31.0 26.5 39.7

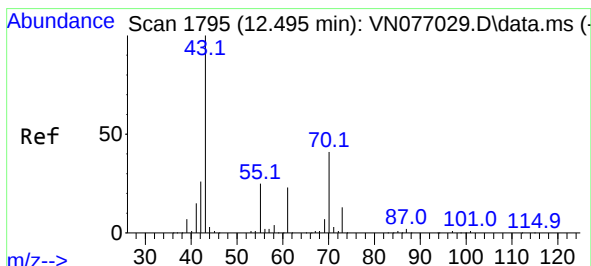
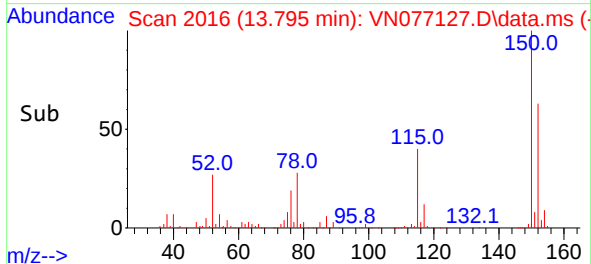
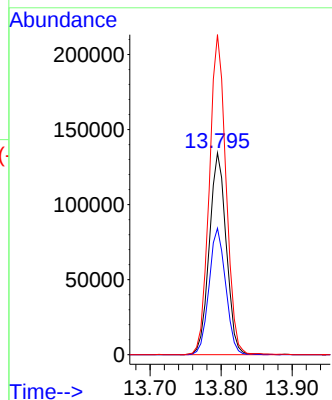
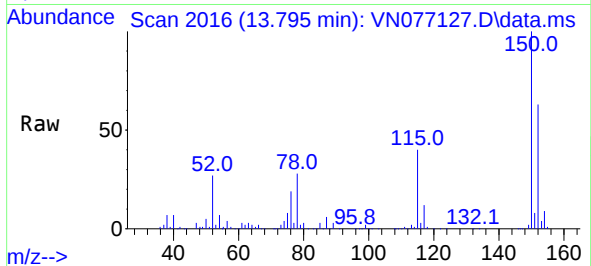




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

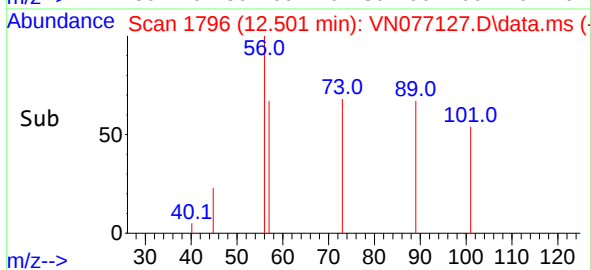
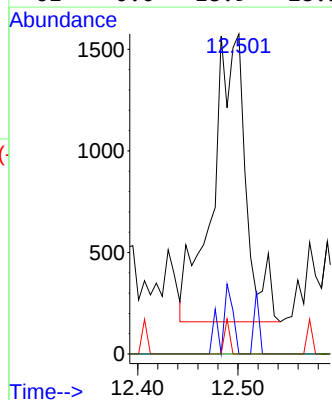
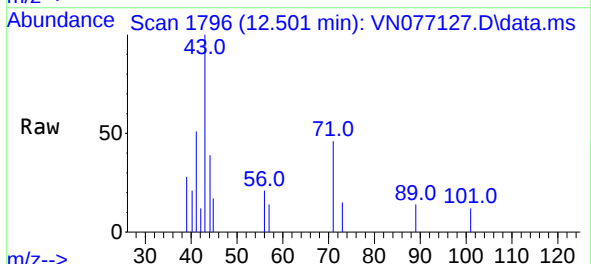
Instrument :
MSVOA_N
ClientSampleId :

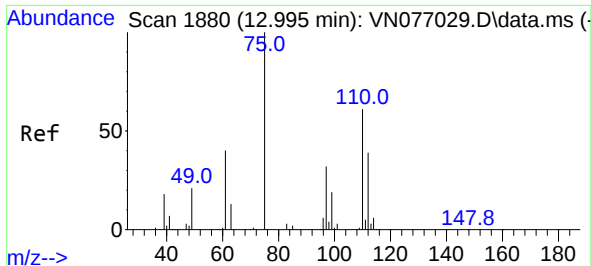
Tgt Ion:152 Resp: 222622
Ion Ratio Lower Upper
152 100
115 61.6 31.9 95.7
150 156.5 0.0 348.0



#74
N-ethyl acetate
Concen: 0.382 ug/l
RT: 12.501 min Scan# 1796
Delta R.T. 0.006 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Tgt Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
70 8.3 33.6 50.4#
55 0.0 20.3 30.5#
61 0.0 18.9 28.3#

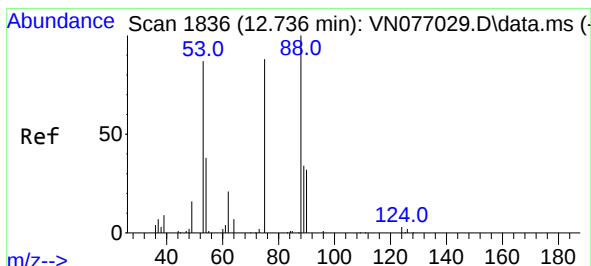
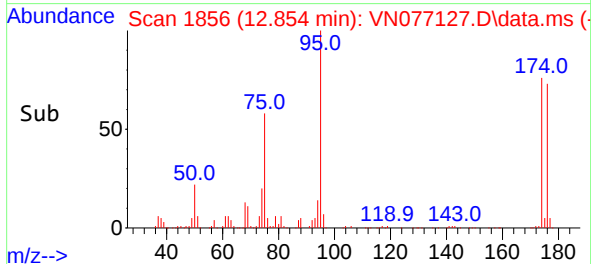
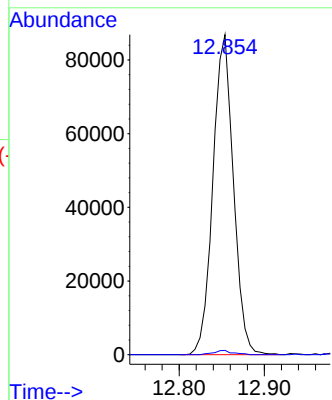
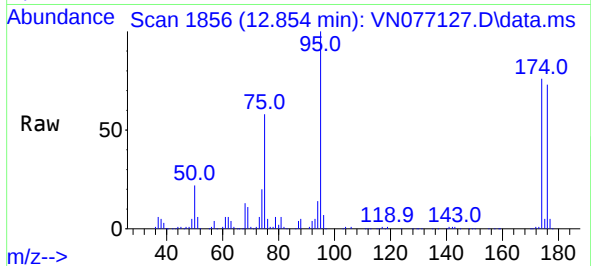




#76
1,2,3-Trichloropropane
Concen: 25.217 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

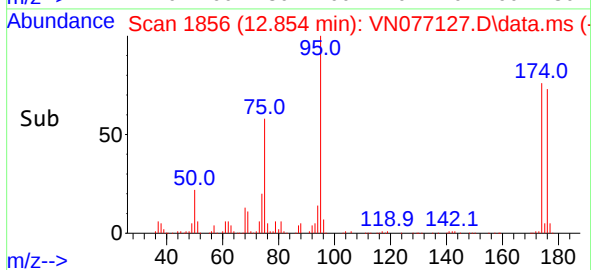
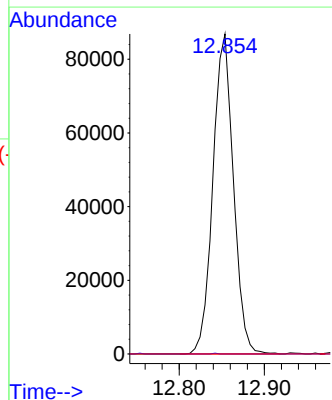
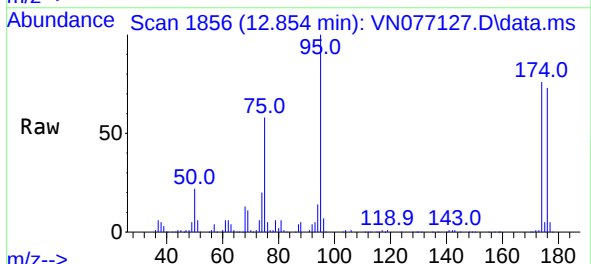
Instrument :
MSVOA_N
ClientSampleId :

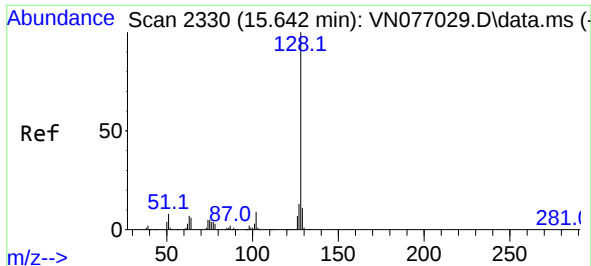
Tgt Ion: 75 Resp: 145213
Ion Ratio Lower Upper
75 100
77 1.2 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.413 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

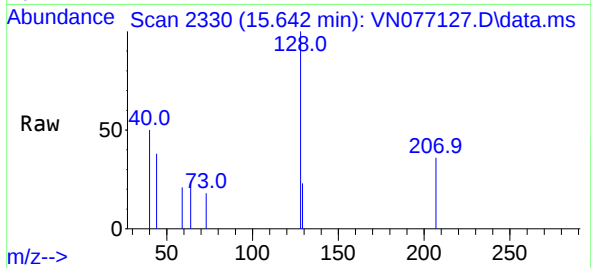
Tgt Ion: 75 Resp: 145213
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#





#95
Naphthalene
Concen: 2.018 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN077127.D
Acq: 23 Mar 2023 04:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1626
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 9.3 8.6 13.0

