

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077105.D
 Acq On : 22 Mar 2023 14:05
 Operator : JC\MD
 Sample : 01849-02
 Misc : 10.14 gr/5.0mL/100uL/5.0mL/MSVOA_N/MeOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 22 23:23:44 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)

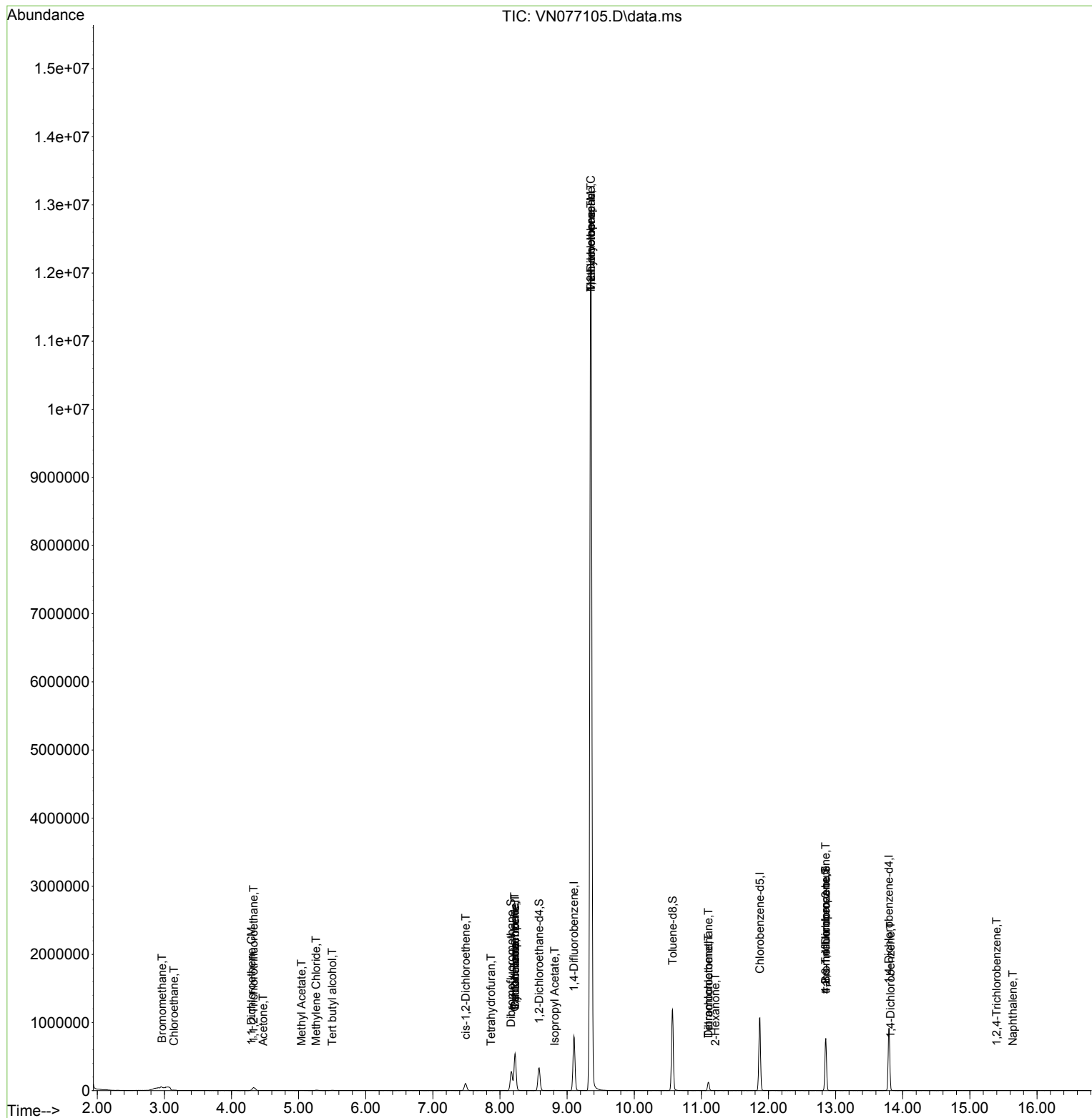
Internal Standards						
1) Pentafluorobenzene	8.225	168	370904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	678745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	606379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	235940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	281559	47.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.040%		
35) Dibromofluoromethane	8.166	113	208559	43.876	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.760%		
50) Toluene-d8	10.572	98	820923	48.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.700%		
62) 4-Bromofluorobenzene	12.854	95	274802	45.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.600%		
Target Compounds					Qvalue	
5) Bromomethane	2.966	94	1145	0.420	ug/l #	20
6) Chloroethane	3.143	64	741	0.290	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.331	101	30620	6.220	ug/l	99
11) Tert butyl alcohol	5.501	59	5768	6.681	ug/l #	72
12) 1,1-Dichloroethene	4.296	96	3661	0.813	ug/l #	70
16) Acetone	4.472	43	2668	1.011	ug/l	89
18) Methyl Acetate	5.043	43	9150	0.919	ug/l #	80
20) Methylene Chloride	5.260	84	5507	0.961	ug/l	93
27) cis-1,2-Dichloroethene	7.490	96	59697	10.679	ug/l	88
29) Tetrahydrofuran	7.866	42	637	0.255	ug/l #	35
31) Cyclohexane	8.225	56	9513	0.981	ug/l #	1
36) 1,1-Dichloropropene	8.225	75	35218	4.744	ug/l #	52
38) Carbon Tetrachloride	8.219	117	42836	5.924	ug/l #	15
39) Methylcyclohexane	9.354	83	61098	7.031	ug/l #	1
43) Isopropyl Acetate	8.813	43	5526	0.445	ug/l #	56
44) Trichloroethene	9.354	130	4523708	874.674	ug/l	91
45) 1,2-Dichloropropane	9.354	63	15532	2.597	ug/l #	1
59) 2-Hexanone	11.207	43	1154	0.206	ug/l	83
60) Dibromochloromethane	11.107	129	28774	5.403	ug/l #	11
64) Tetrachloroethene	11.107	164	25600	6.290	ug/l	95
76) 1,2,3-Trichloropropane	12.854	75	147954	24.243	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	147954	66.731	ug/l #	10
88) 1,4-Dichlorobenzene	13.819	146	2387	0.268	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.401	180	1102	0.273	ug/l	65
95) Naphthalene	15.642	128	2954	2.093	ug/l #	83

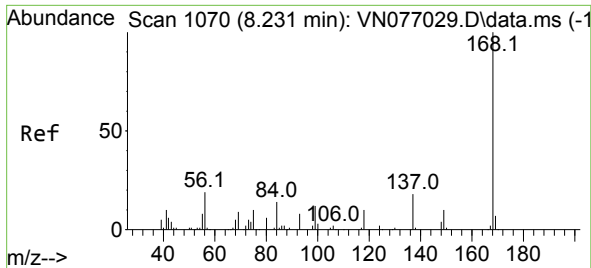
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 20 08:50:30 2023
Response via : Initial Calibration

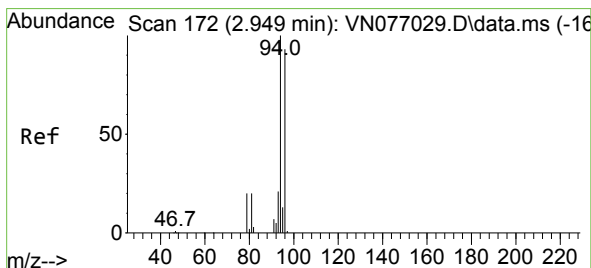
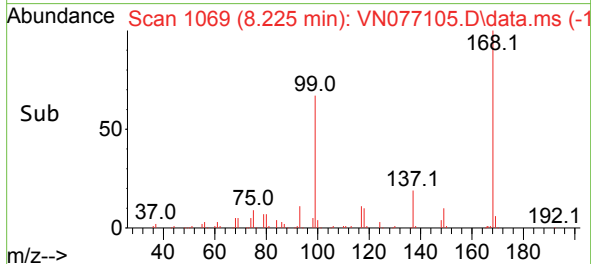
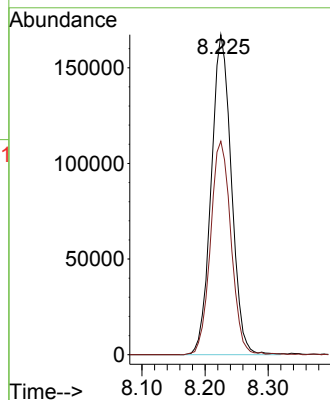
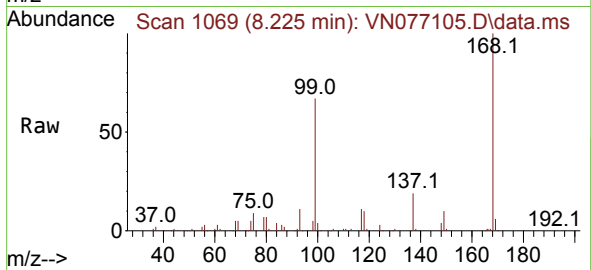




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

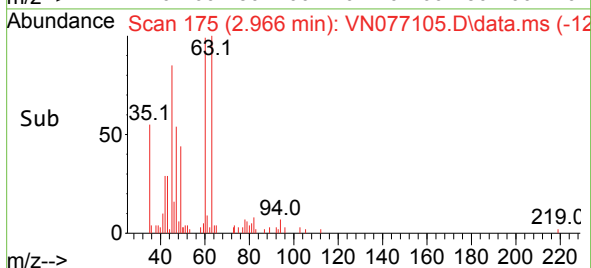
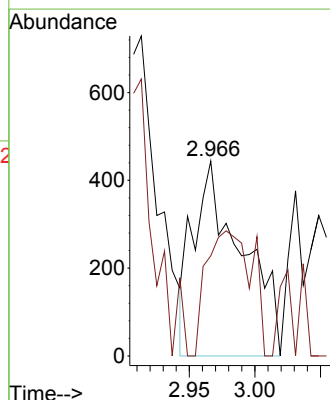
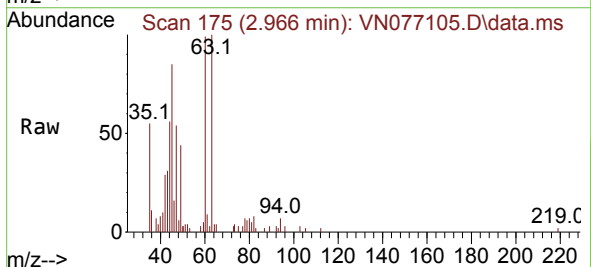
Instrument :
MSVOA_N
ClientSampleId :

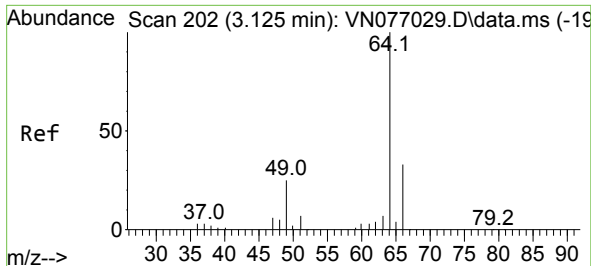
Tgt Ion:168 Resp: 370904
Ion Ratio Lower Upper
168 100
99 66.7 53.9 80.9



#5
Bromomethane
Concen: 0.420 ug/l
RT: 2.966 min Scan# 175
Delta R.T. 0.017 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion: 94 Resp: 1145
Ion Ratio Lower Upper
94 100
96 16.0 74.1 111.1#

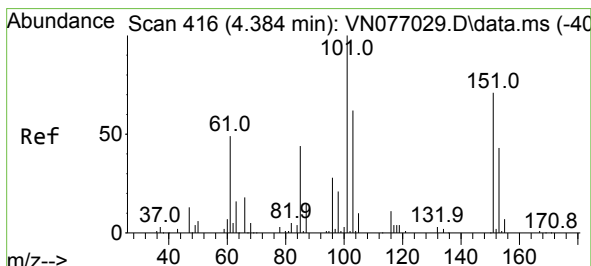
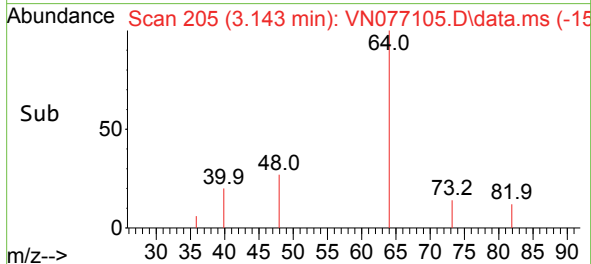
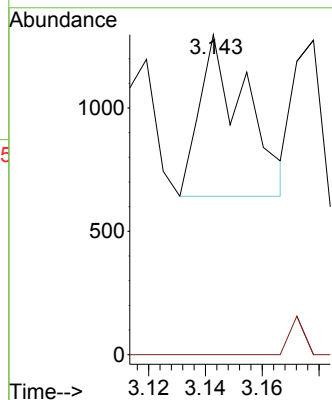
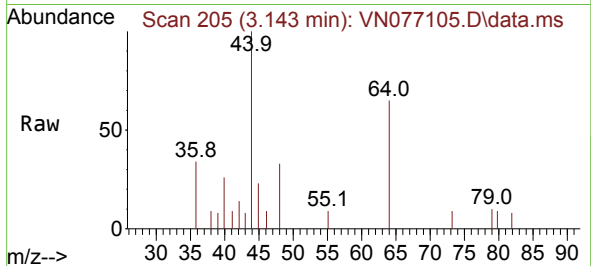




#6
Chloroethane
Concen: 0.290 ug/l
RT: 3.143 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

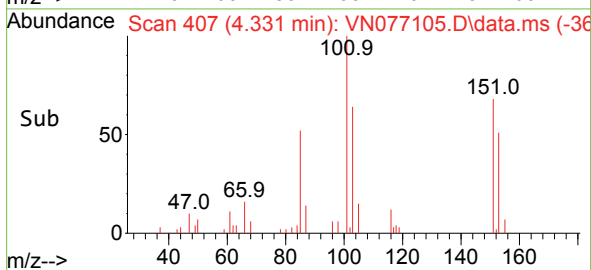
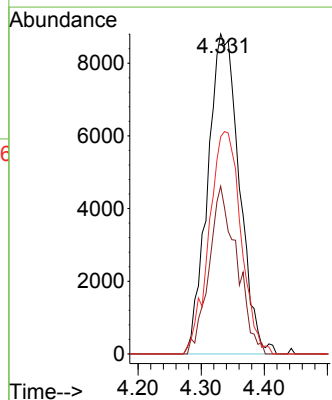
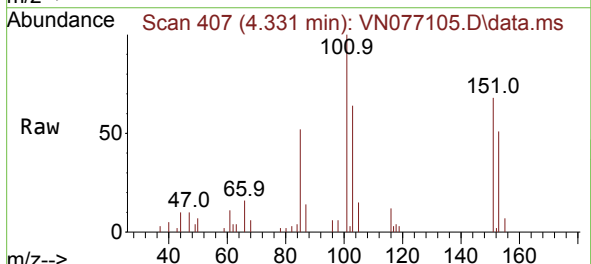
Instrument :
MSVOA_N
ClientSampleId :

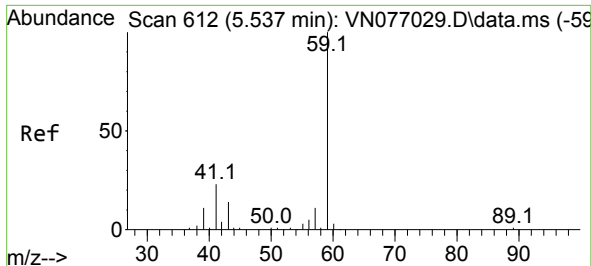
Tgt Ion: 64 Resp: 741
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.220 ug/l
RT: 4.331 min Scan# 407
Delta R.T. -0.053 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion:101 Resp: 30620
Ion Ratio Lower Upper
101 100
85 46.2 36.6 55.0
151 70.0 56.9 85.3

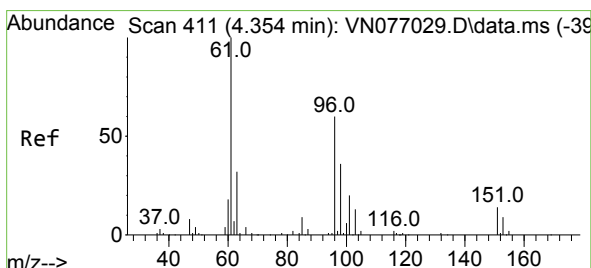
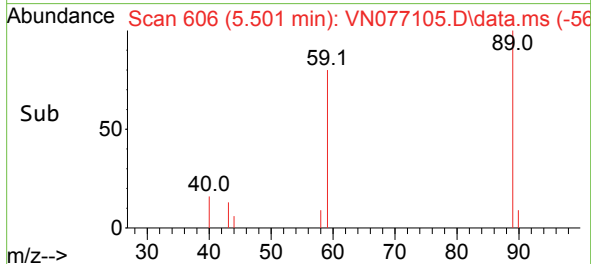
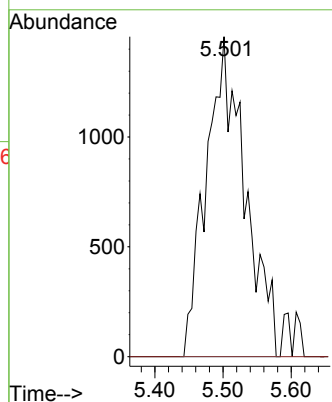
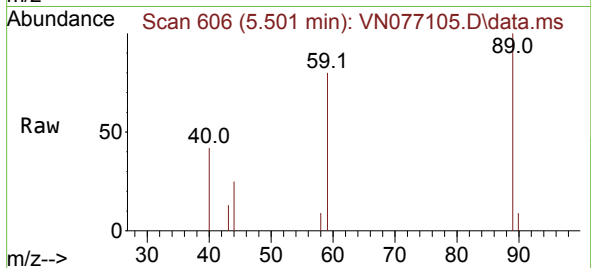




#11
Tert butyl alcohol
Concen: 6.681 ug/l
RT: 5.501 min Scan# 606
Delta R.T. -0.036 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

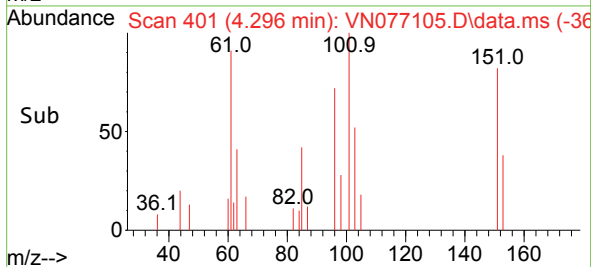
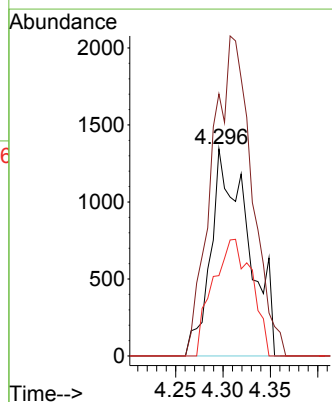
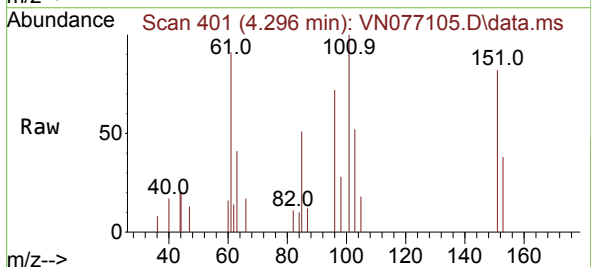
Instrument :
MSVOA_N
ClientSampleId :

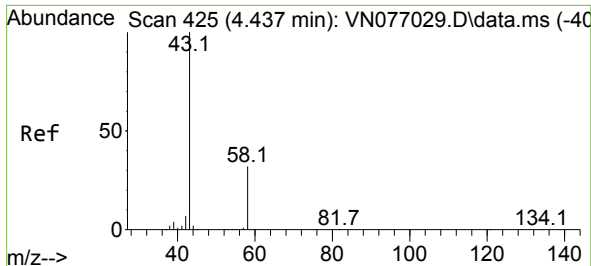
Tgt Ion: 59 Resp: 5768
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.813 ug/l
RT: 4.296 min Scan# 401
Delta R.T. -0.058 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion: 96 Resp: 3661
Ion Ratio Lower Upper
96 100
61 126.4 133.8 200.8#
98 38.8 48.6 72.8#

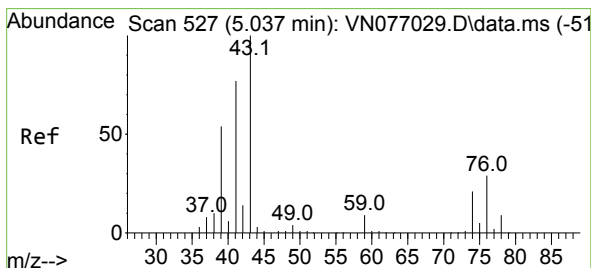
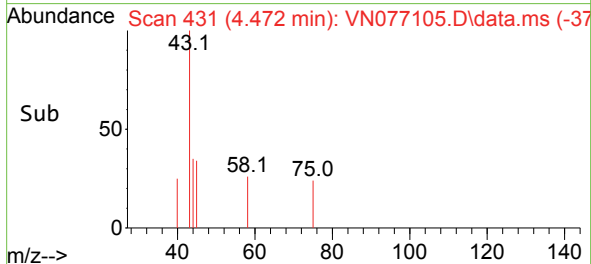
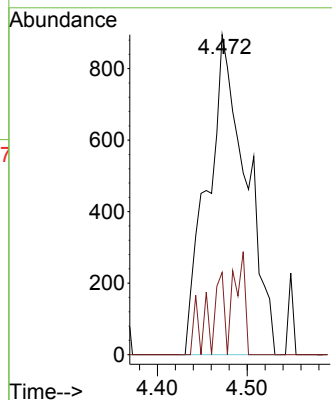
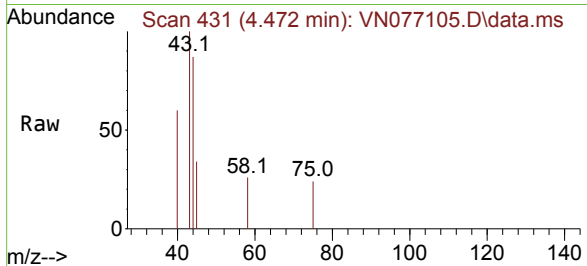




#16
Acetone
Concen: 1.011 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

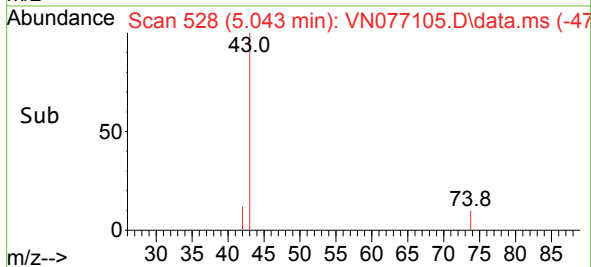
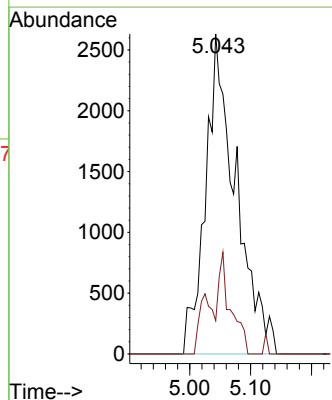
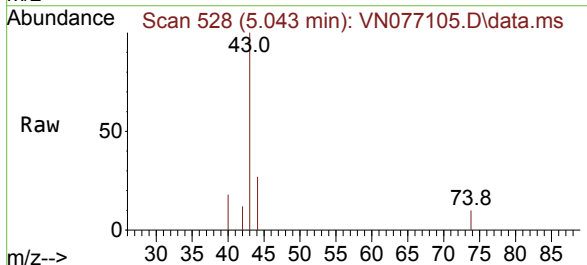
Instrument :
MSVOA_N
ClientSampleId :

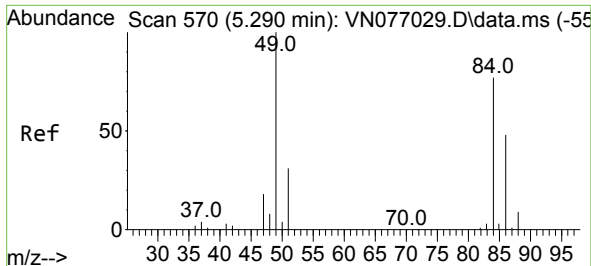
Tgt Ion: 43 Resp: 2668
Ion Ratio Lower Upper
43 100
58 25.7 25.4 38.0



#18
Methyl Acetate
Concen: 0.919 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

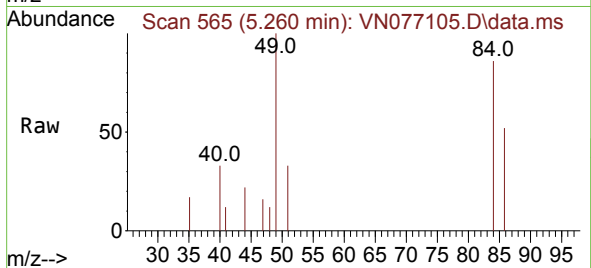
Tgt Ion: 43 Resp: 9150
Ion Ratio Lower Upper
43 100
74 12.5 17.7 26.5#



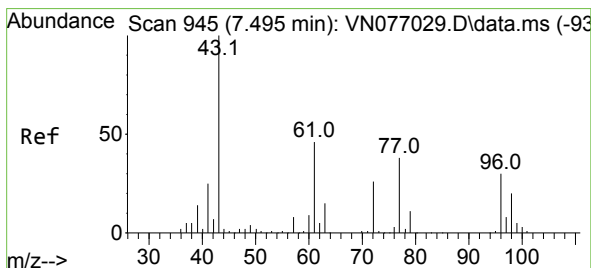
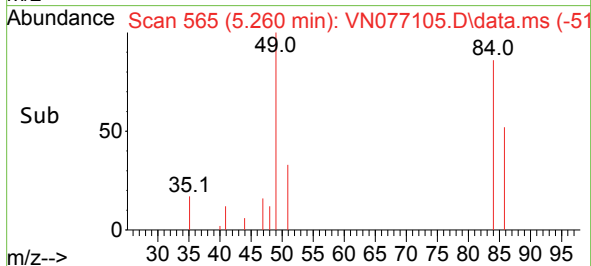
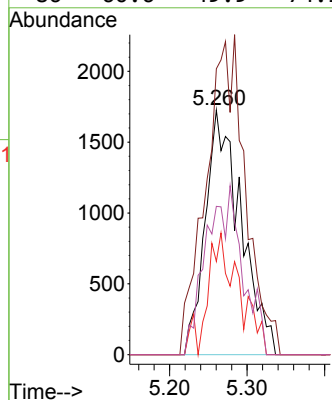


#20
Methylene Chloride
Concen: 0.961 ug/l
RT: 5.260 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Instrument :
MSVOA_N
ClientSampleId :

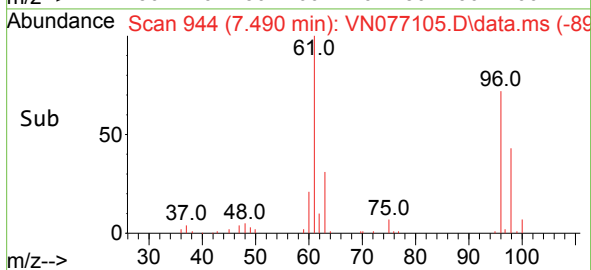
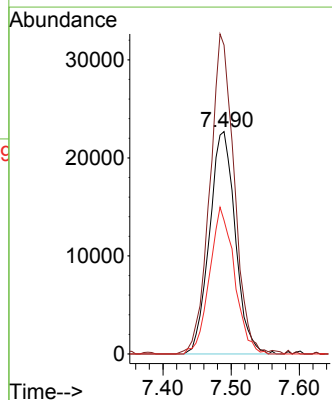
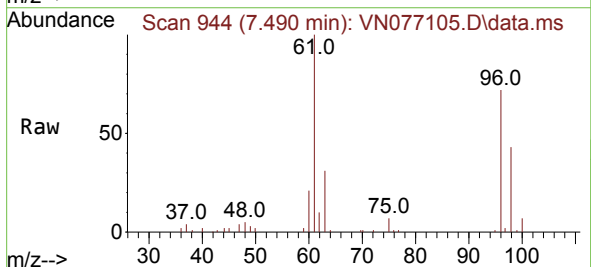


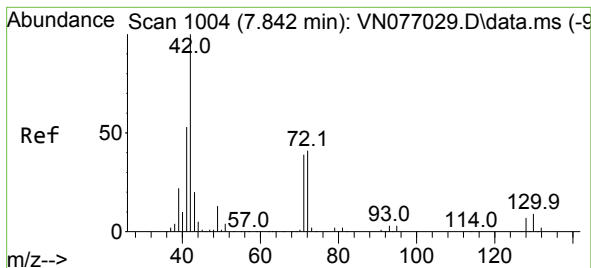
Tgt Ion:	84	Resp:	5507
Ion	Ratio	Lower	Upper
84	100		
49	116.9	103.8	155.6
51	38.1	32.3	48.5
86	60.6	49.9	74.9



#27
cis-1,2-Dichloroethene
Concen: 10.679 ug/l
RT: 7.490 min Scan# 944
Delta R.T. -0.005 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion:	96	Resp:	59697
Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	315.4
98	63.9	0.0	128.6





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 7.866 min Scan# 1069

Delta R.T. 0.024 min

Lab File: VN077105.D

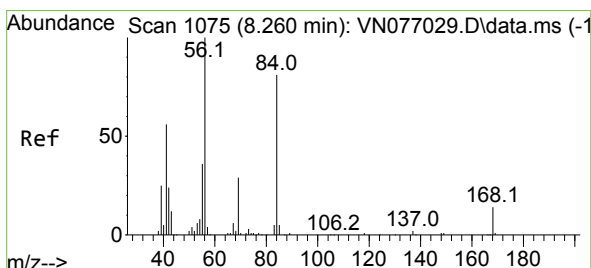
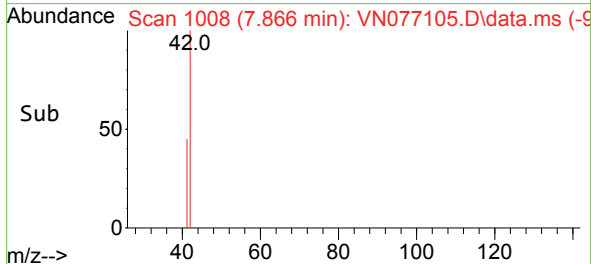
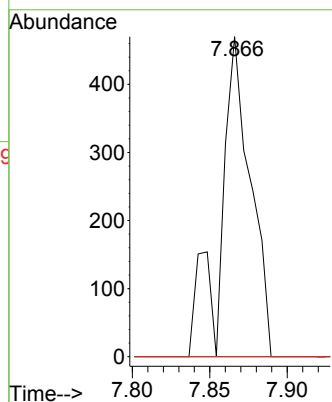
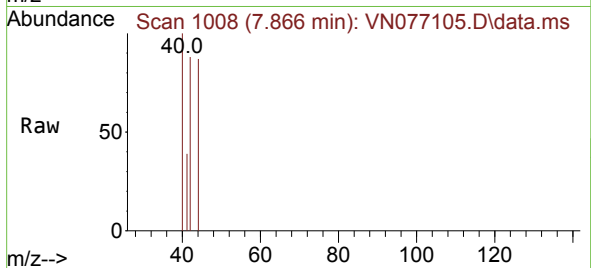
Acq: 22 Mar 2023 14:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 637
Ion Ratio	Lower Upper
42	100
72	0.0 33.2 49.8#
71	0.0 31.0 46.4#



#31

Cyclohexane

Concen: 0.981 ug/l

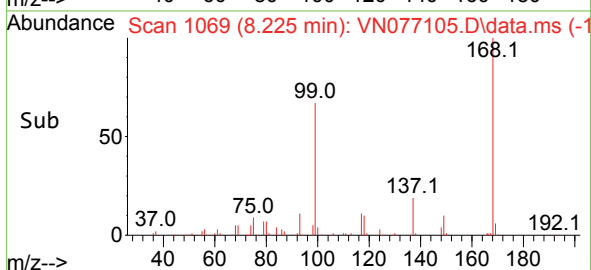
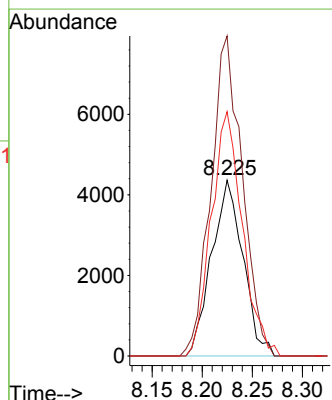
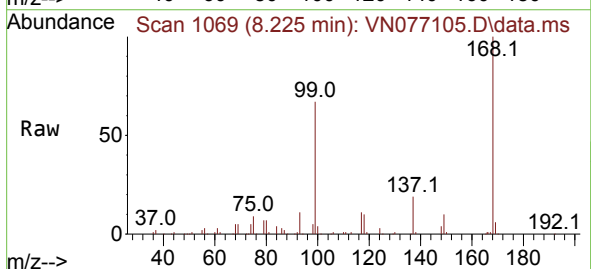
RT: 8.225 min Scan# 1069

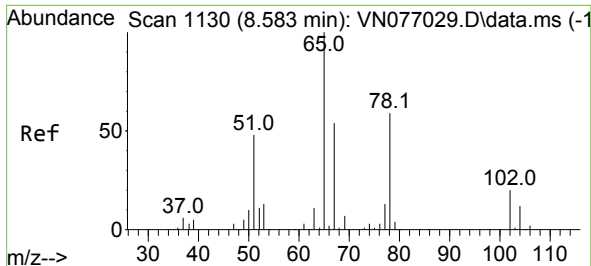
Delta R.T. -0.035 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

Tgt Ion: 56	Resp: 9513
Ion Ratio	Lower Upper
56	100
69	182.2 22.8 34.2#
84	139.1 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 47.524 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

Instrument :

MSVOA_N

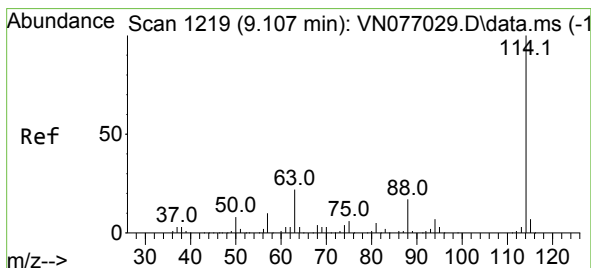
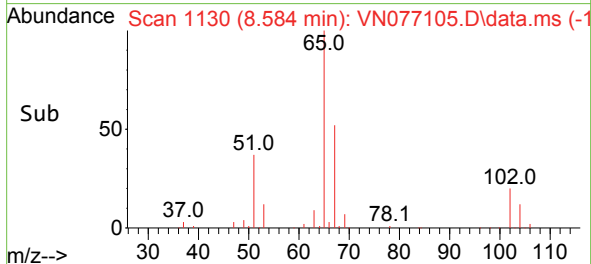
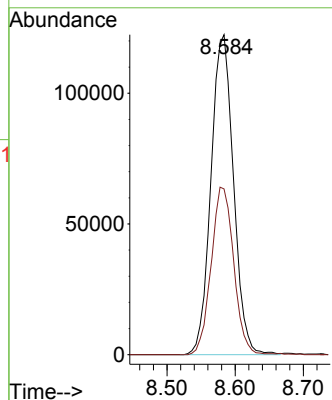
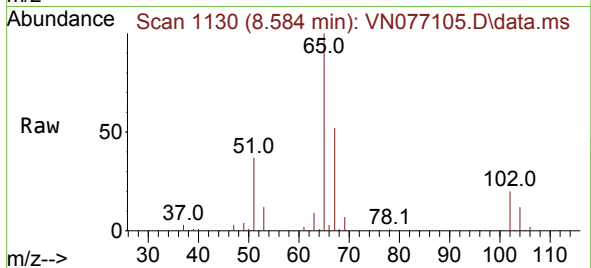
ClientSampleId :

Tgt Ion: 65 Resp: 281559

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

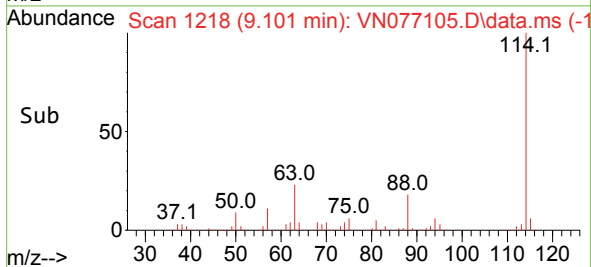
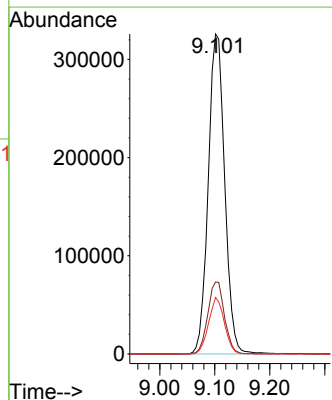
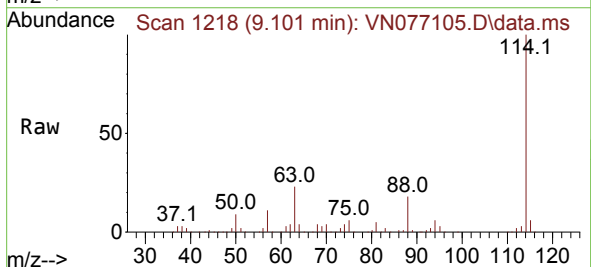
Tgt Ion: 114 Resp: 678745

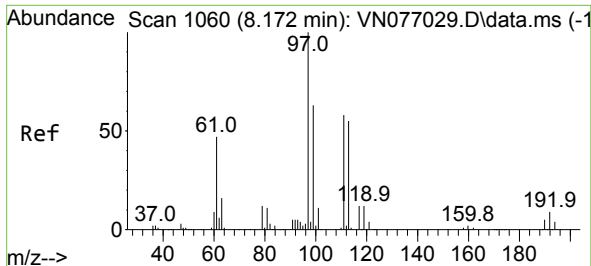
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

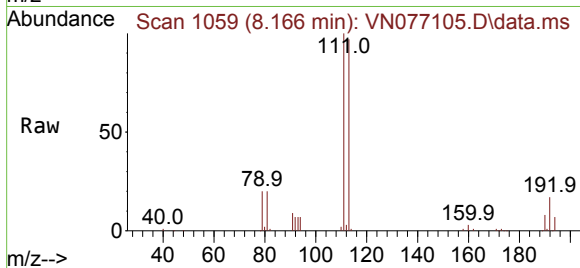
88 17.7 0.0 33.8



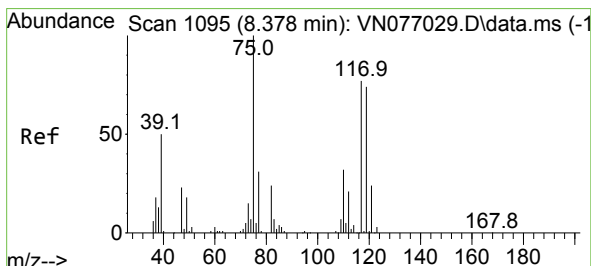
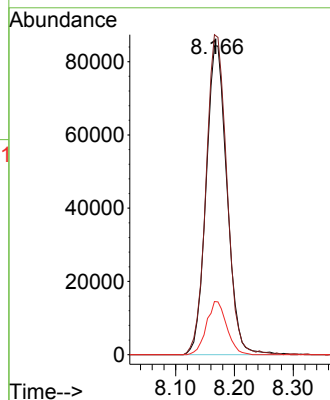
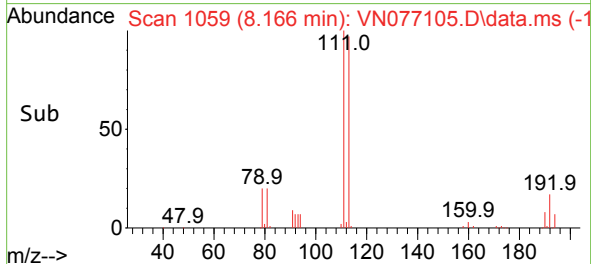


#35
Dibromofluoromethane
Concen: 43.876 ug/l
RT: 8.166 min Scan# 1059
Delta R.T. -0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Instrument :
MSVOA_N
ClientSampleId :

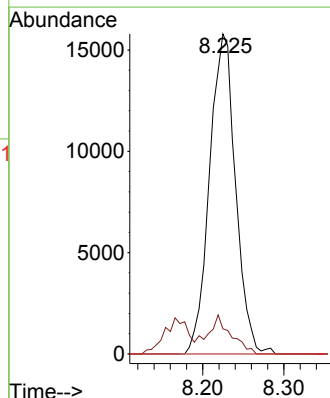
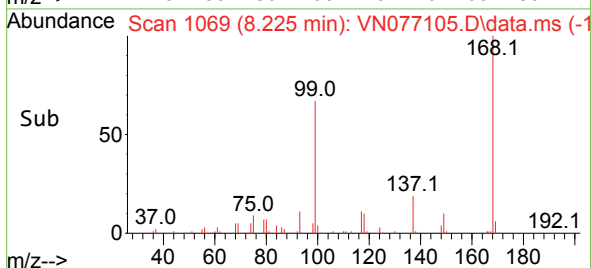
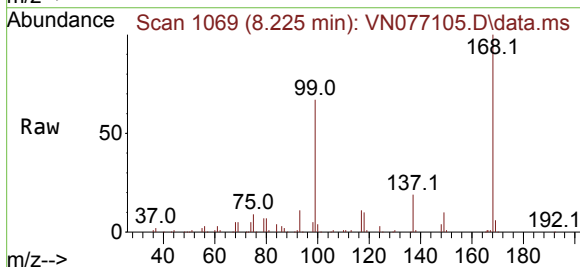


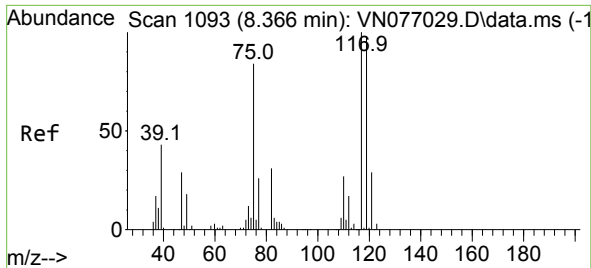
Tgt Ion:113 Resp: 208559
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 16.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

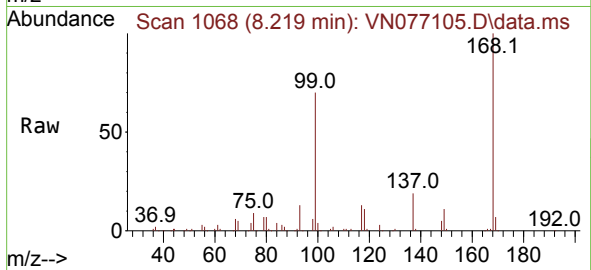
Tgt Ion: 75 Resp: 35218
Ion Ratio Lower Upper
75 100
110 9.2 15.9 47.7#
77 0.0 24.3 36.5#



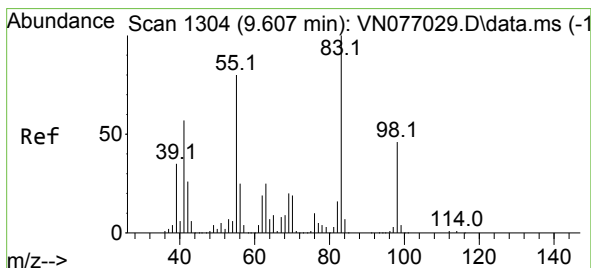
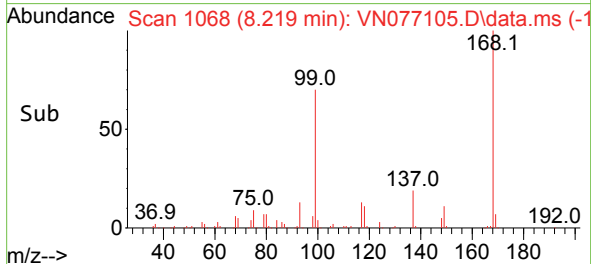
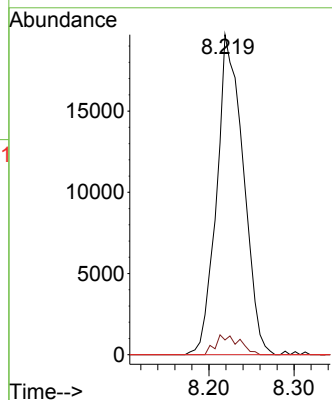


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 8.219 min Scan# 117
Delta R.T. -0.147 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Instrument :
MSVOA_N
ClientSampleId :

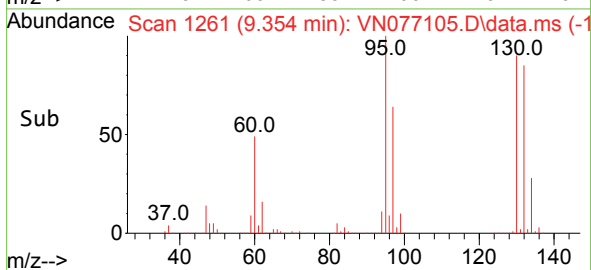
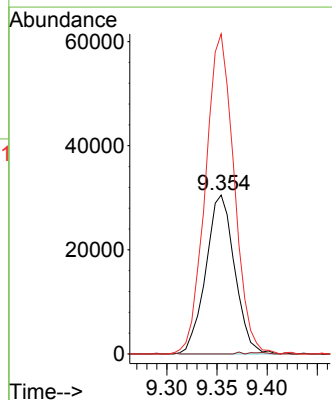
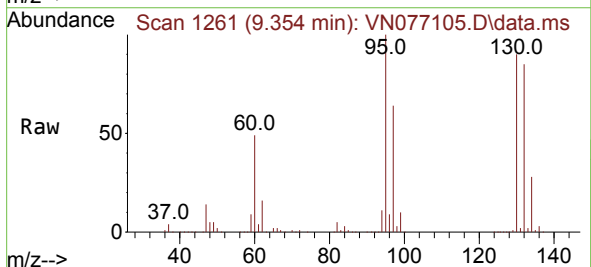


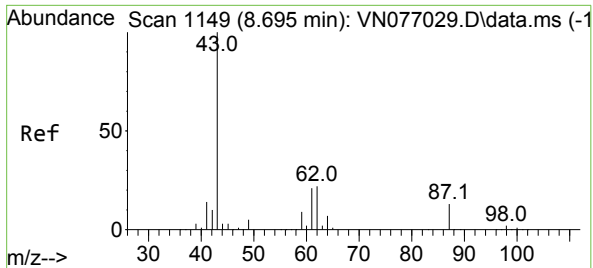
Tgt Ion:117 Resp: 42836
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 7.031 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. -0.253 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion: 83 Resp: 61098
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 201.5 37.1 55.7#





#43

Isopropyl Acetate

Concen: 0.445 ug/l

RT: 8.813 min Scan# 1169

Delta R.T. 0.118 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

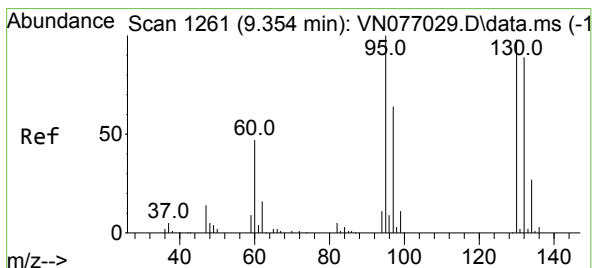
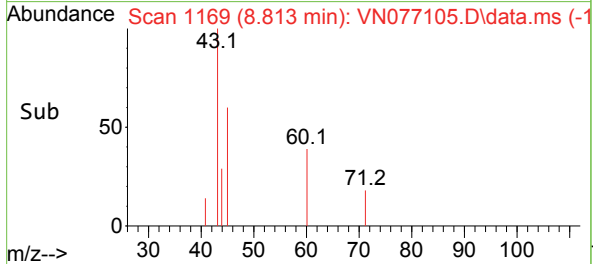
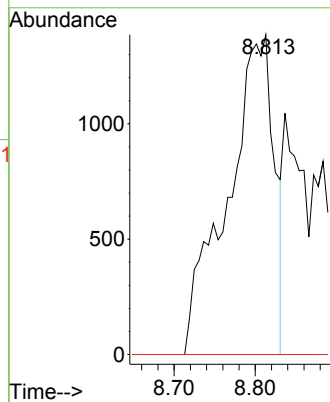
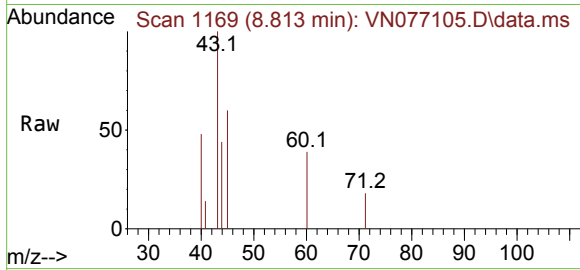
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 5526

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.6	30.8#
87	0.0	10.0	15.0#



#44

Trichloroethene

Concen: 874.674 ug/l

RT: 9.354 min Scan# 1261

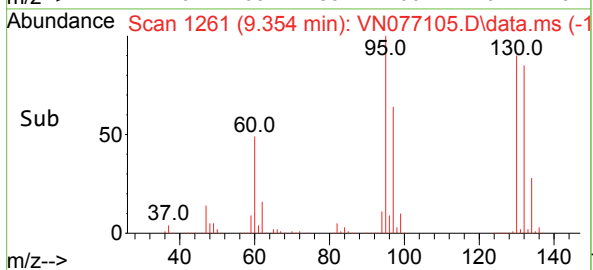
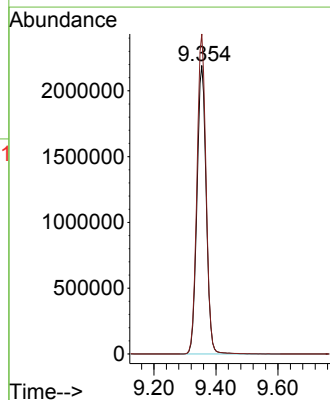
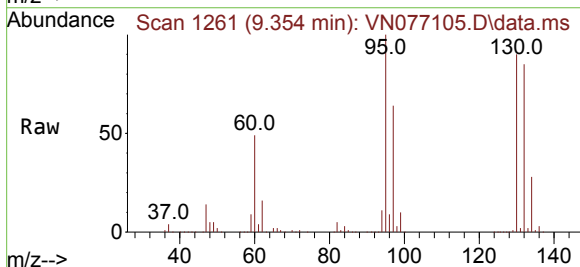
Delta R.T. 0.000 min

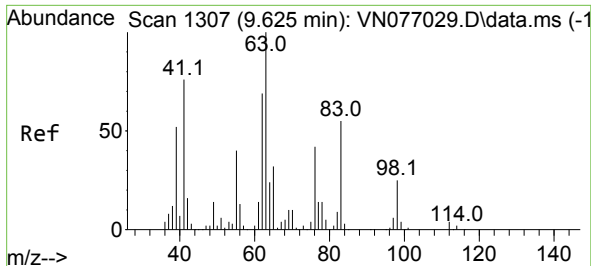
Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

Tgt Ion: 130 Resp: 4523708

Ion	Ratio	Lower	Upper
130	100		
95	110.9	0.0	204.4





#45

1,2-Dichloropropane

Concen: 2.597 ug/l

RT: 9.354 min Scan# 1261

Delta R.T. -0.270 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

Instrument :

MSVOA_N

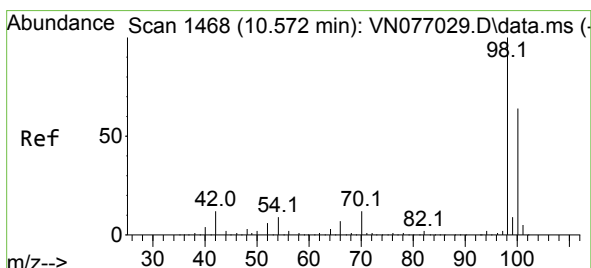
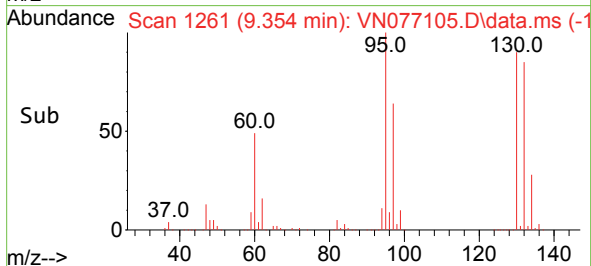
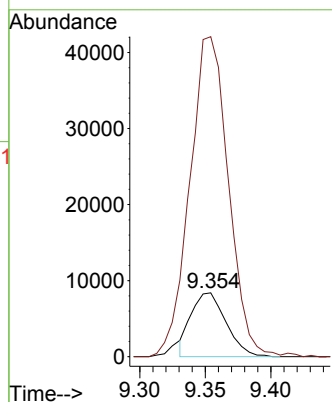
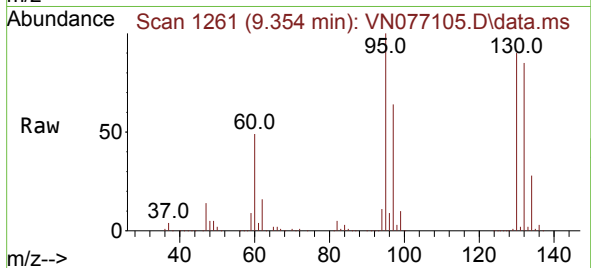
ClientSampleId :

Tgt Ion: 63 Resp: 15532

Ion Ratio Lower Upper

63 100

65 497.9 25.5 38.3#



#50

Toluene-d8

Concen: 48.348 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077105.D

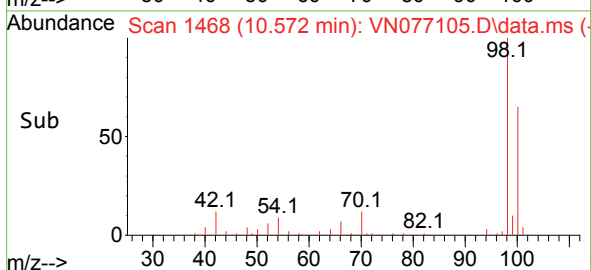
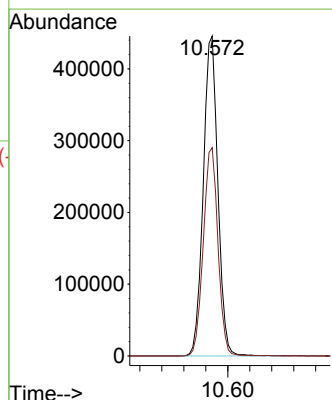
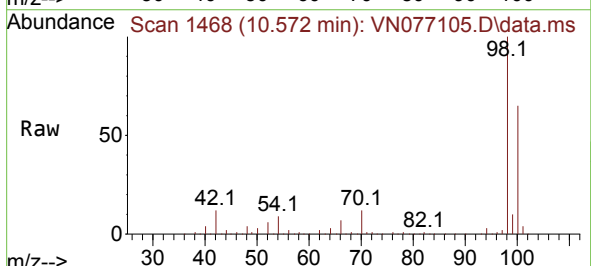
Acq: 22 Mar 2023 14:05

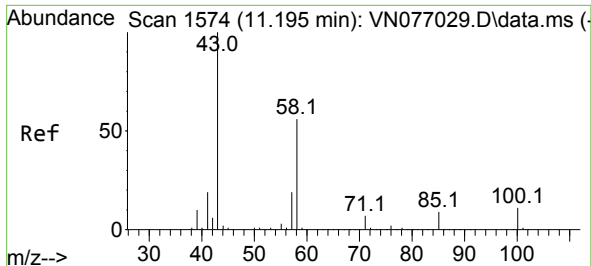
Tgt Ion: 98 Resp: 820923

Ion Ratio Lower Upper

98 100

100 65.4 51.6 77.4

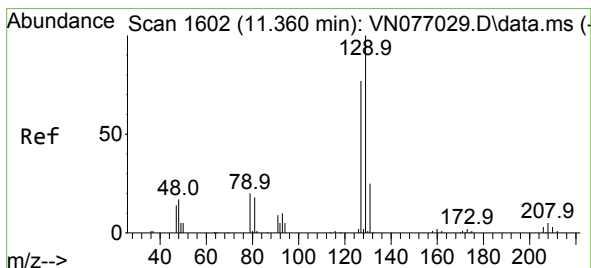
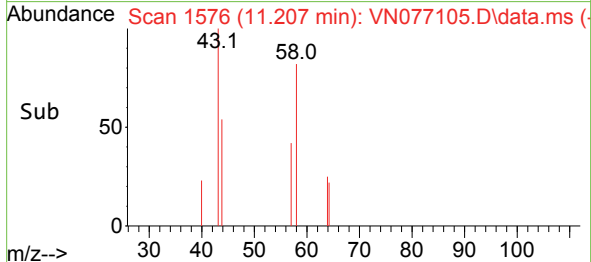
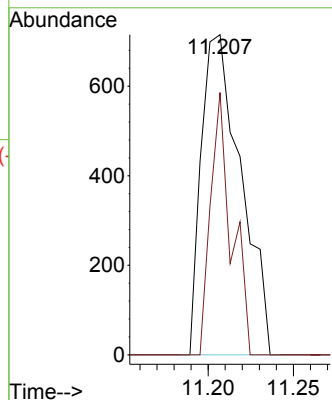
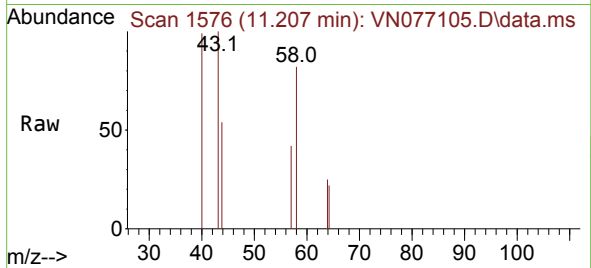




#59
2-Hexanone
Concen: 0.206 ug/l
RT: 11.207 min Scan# 1154
Delta R.T. 0.012 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

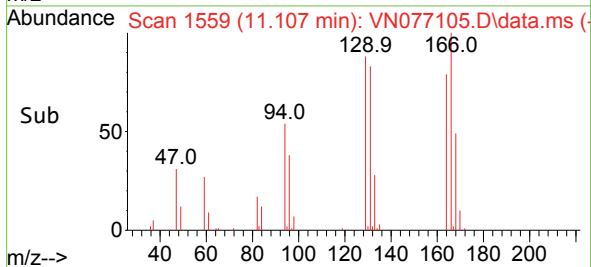
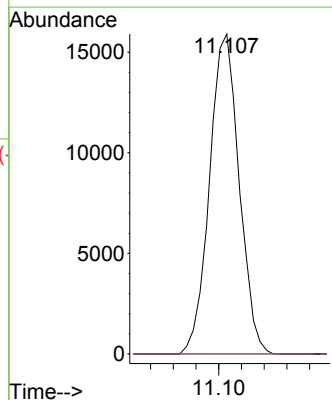
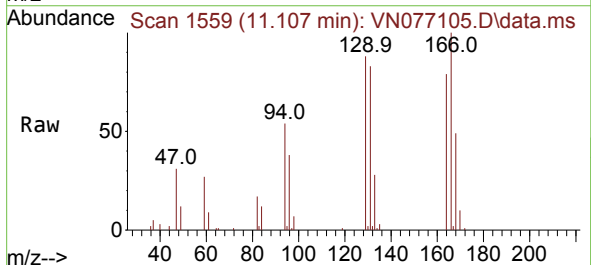
Instrument :
MSVOA_N
ClientSampleId :

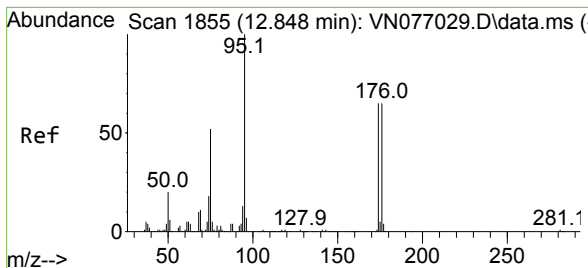
Tgt Ion: 43 Resp: 1154
Ion Ratio Lower Upper
43 100
58 43.4 27.7 83.1



#60
Dibromochloromethane
Concen: 5.403 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.253 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

Tgt Ion: 129 Resp: 28774
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

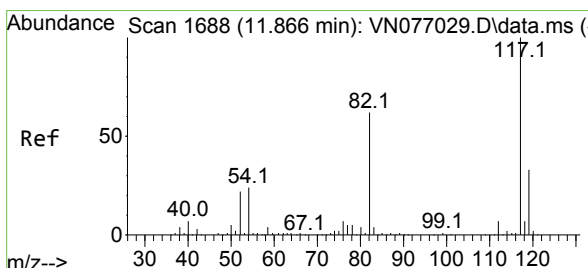
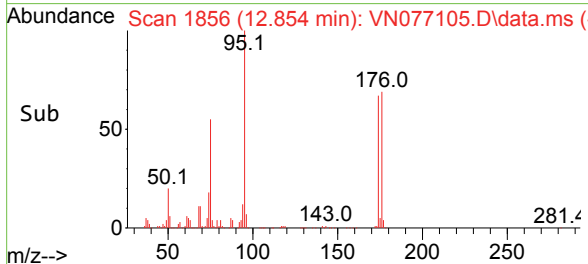
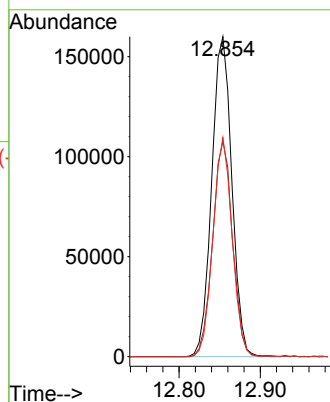
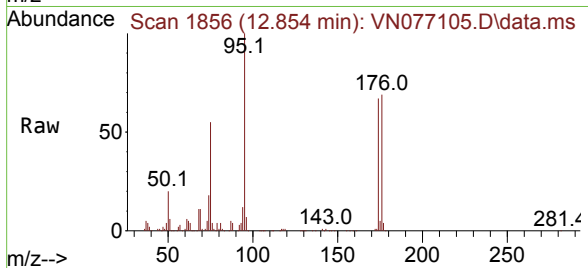




#62
4-Bromofluorobenzene
Concen: 45.801 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

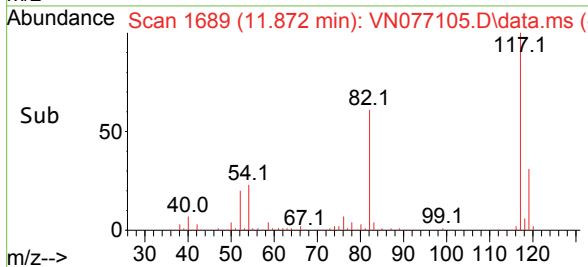
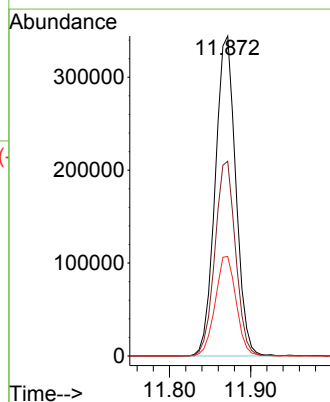
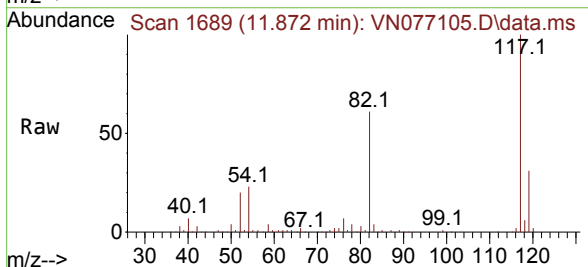
Instrument :
MSVOA_N
ClientSampleId :

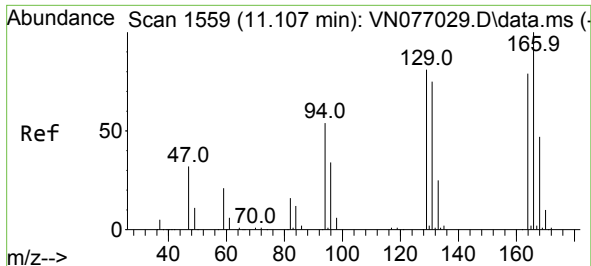
Tgt Ion: 95 Resp: 274802
Ion Ratio Lower Upper
95 100
174 66.8 0.0 136.6
176 65.3 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

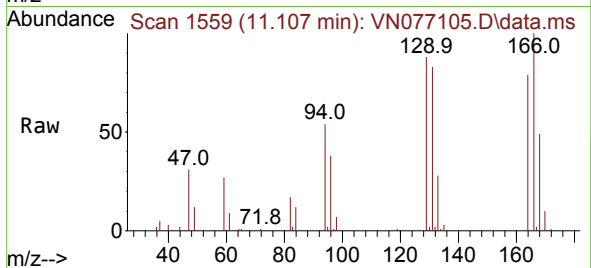
Tgt Ion: 117 Resp: 606379
Ion Ratio Lower Upper
117 100
82 60.9 49.4 74.0
119 31.1 26.5 39.7



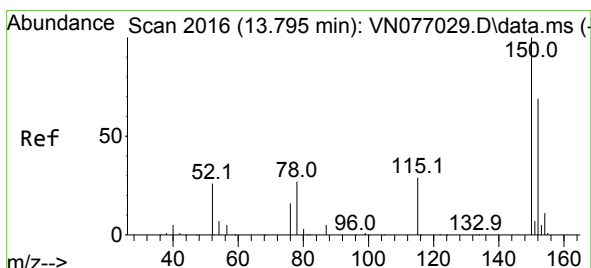
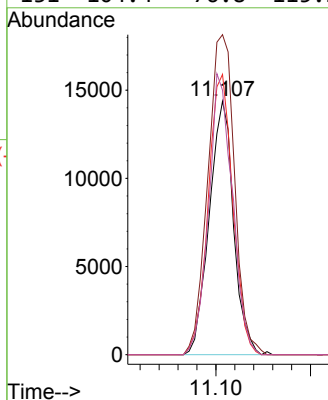
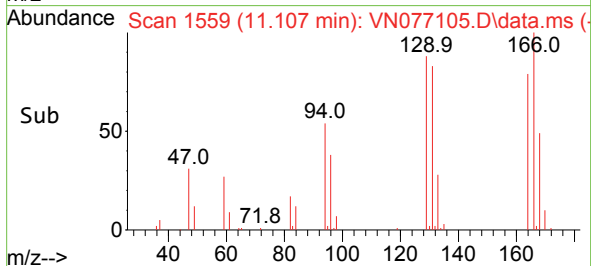


#64
Tetrachloroethene
Concen: 6.290 ug/l
RT: 11.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

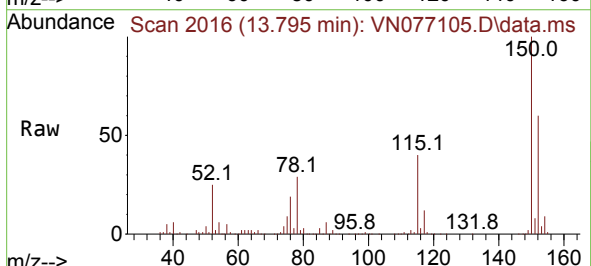
Instrument :
MSVOA_N
ClientSampleId :



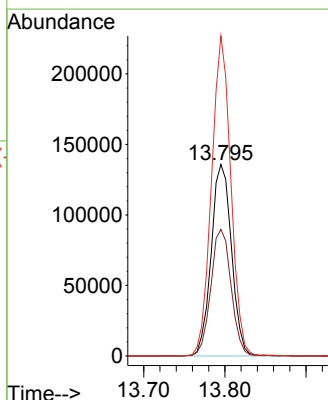
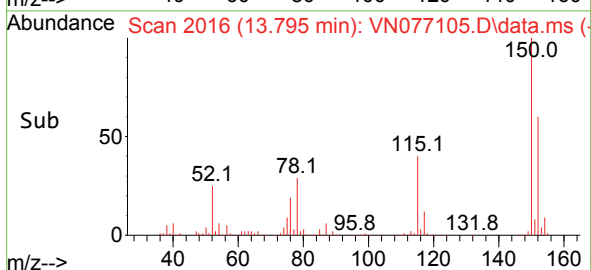
Tgt Ion:164 Resp: 25600
Ion Ratio Lower Upper
164 100
166 126.3 101.9 152.9
129 110.6 82.6 123.8
131 104.4 76.8 115.2

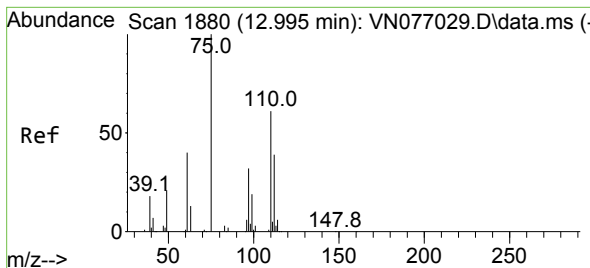


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05



Tgt Ion:152 Resp: 235940
Ion Ratio Lower Upper
152 100
115 66.0 31.9 95.7
150 159.2 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 24.243 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

Instrument :

MSVOA_N

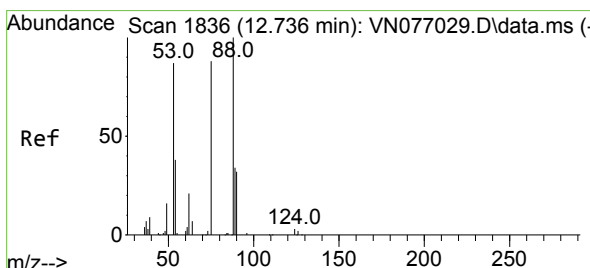
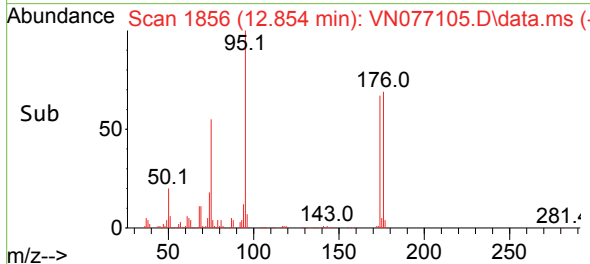
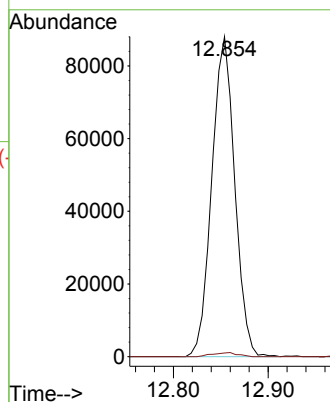
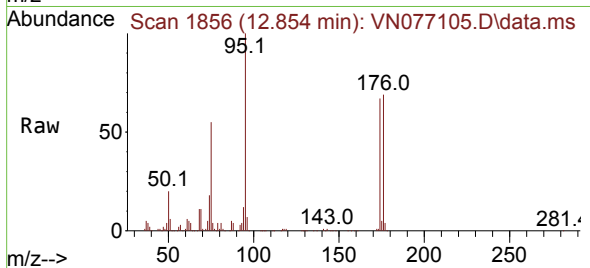
ClientSampleId :

Tgt Ion: 75 Resp: 147954

Ion Ratio Lower Upper

75 100

77 1.4 107.3 322.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.731 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.118 min

Lab File: VN077105.D

Acq: 22 Mar 2023 14:05

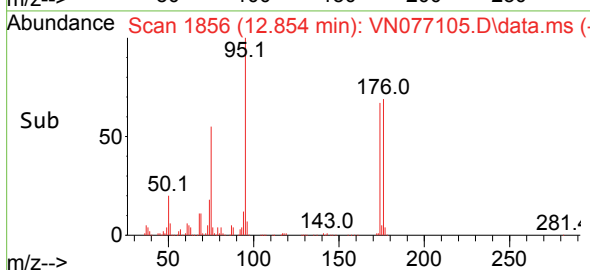
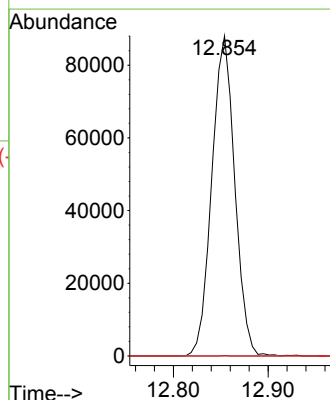
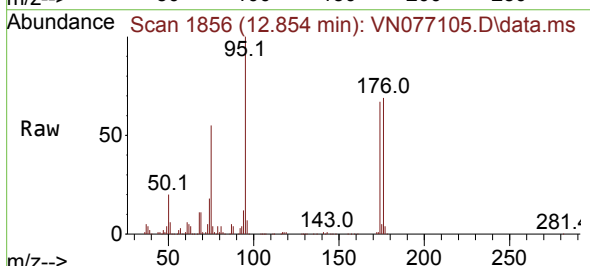
Tgt Ion: 75 Resp: 147954

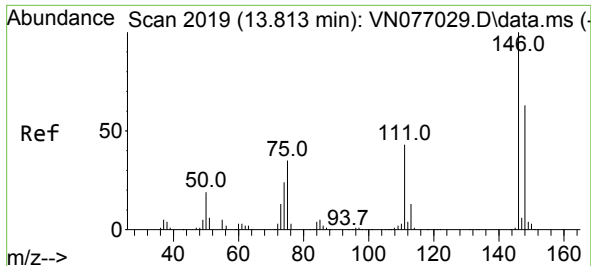
Ion Ratio Lower Upper

75 100

53 0.0 80.8 121.2#

89 0.0 34.2 51.4#

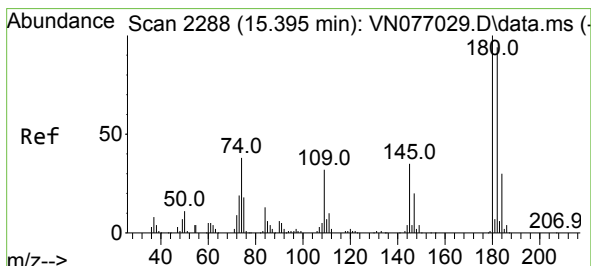
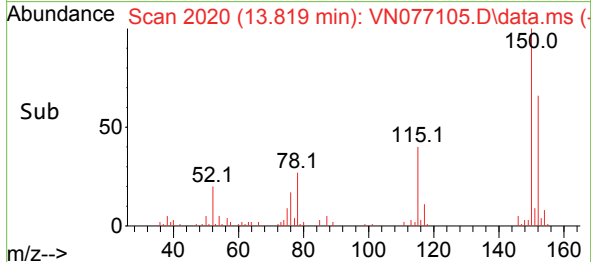
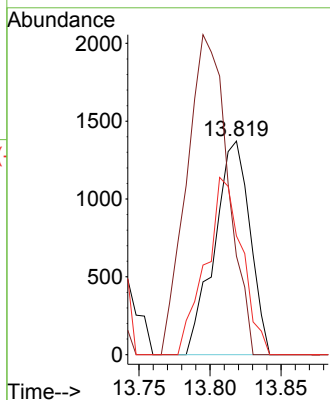
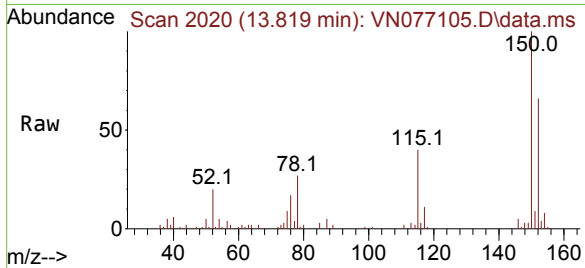




#88
1,4-Dichlorobenzene
Concen: 0.268 ug/l
RT: 13.819 min Scan# 2019
Delta R.T. 0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

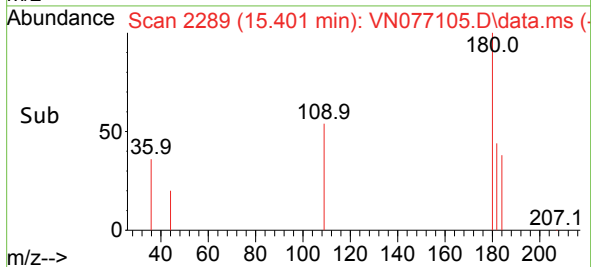
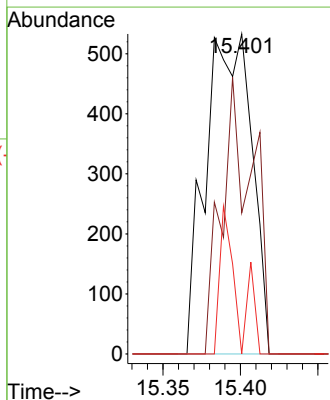
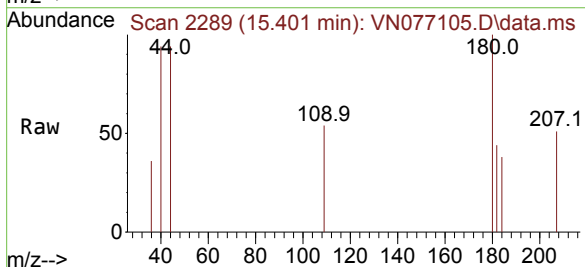
Instrument :
MSVOA_N
ClientSampleId :

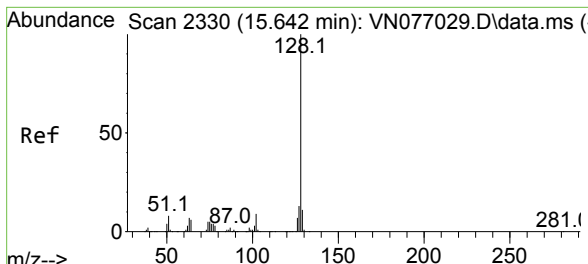
Tgt Ion:146 Resp: 2387
Ion Ratio Lower Upper
146 100
111 0.0 21.5 64.5#
148 84.7 31.9 95.9



#93
1,2,4-Trichlorobenzene
Concen: 0.273 ug/l
RT: 15.401 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VN077105.D
Acq: 22 Mar 2023 14:05

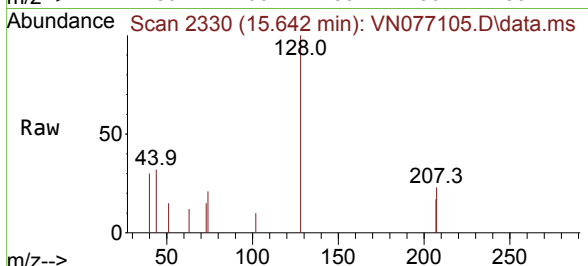
Tgt Ion:180 Resp: 1102
Ion Ratio Lower Upper
180 100
182 58.0 47.3 141.9
145 17.6 16.9 50.7





#95
 Naphthalene
 Concen: 2.093 ug/l
 RT: 15.642 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077105.D
 Acq: 22 Mar 2023 14:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	2954
Ion Ratio	Lower	Upper	
128	100		
127	7.3	10.0	15.0#
129	2.9	8.6	13.0#

