

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077117.D
 Acq On : 22 Mar 2023 19:01
 Operator : JC\MD
 Sample : 01849-05
 Misc : 13.24 g/5.0mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 22 23:27:57 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)

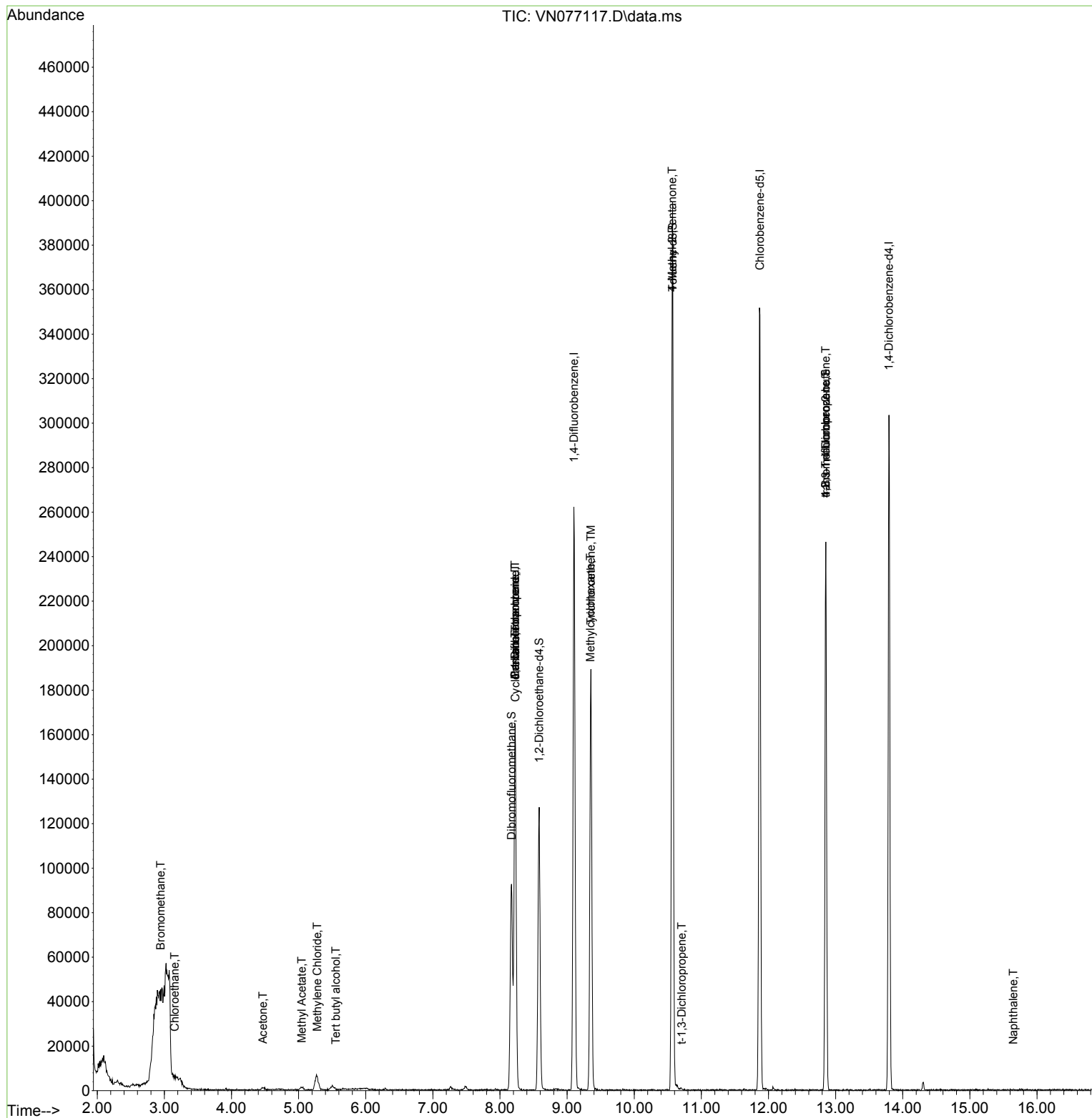
Internal Standards						
1) Pentafluorobenzene	8.225	168	104964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	198112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	178730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	68297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	99947	59.612	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	119.220%	
35) Dibromofluoromethane	8.172	113	65470	47.189	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.380%	
50) Toluene-d8	10.572	98	257629	51.983	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.960%	
62) 4-Bromofluorobenzene	12.854	95	75833	43.302	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	86.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.943	94	230	0.298	ug/l #	71
6) Chloroethane	3.154	64	634	0.878	ug/l #	42
11) Tert butyl alcohol	5.554	59	250	1.023	ug/l #	72
16) Acetone	4.466	43	1071	1.434	ug/l #	43
18) Methyl Acetate	5.048	43	2567	0.911	ug/l #	64
20) Methylene Chloride	5.278	84	5466	3.371	ug/l	95
31) Cyclohexane	8.231	56	3898	1.421	ug/l #	64
36) 1,1-Dichloropropene	8.225	75	11460	5.288	ug/l #	49
38) Carbon Tetrachloride	8.225	117	12623	5.980	ug/l #	14
39) Methylcyclohexane	9.348	83	750	0.296	ug/l #	1
44) Trichloroethene	9.354	130	59272	39.264	ug/l	93
51) 4-Methyl-2-Pentanone	10.566	43	1458	0.646	ug/l #	1
53) t-1,3-Dichloropropene	10.707	75	524	0.232	ug/l #	43
76) 1,2,3-Trichloropropane	12.854	75	45626	25.827	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	45626	71.091	ug/l #	10
95) Naphthalene	15.648	128	85	1.930	ug/l #	70

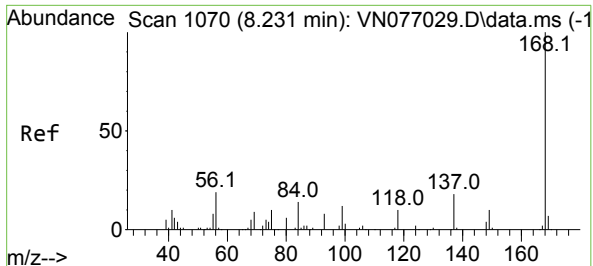
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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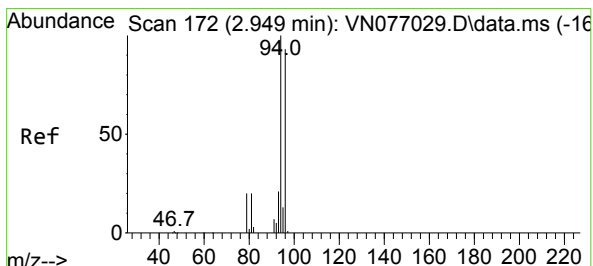
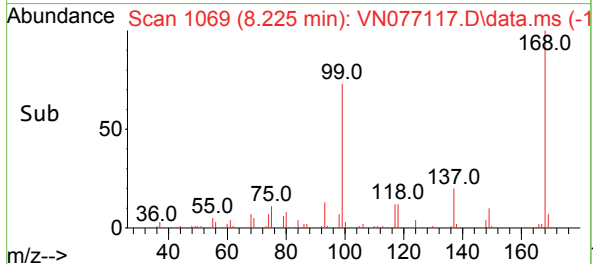
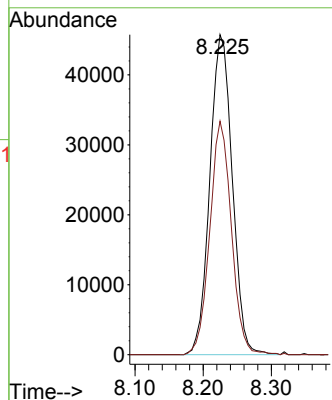
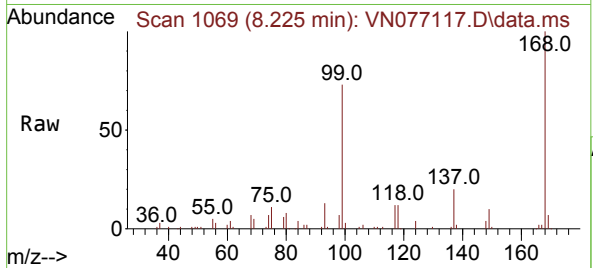




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

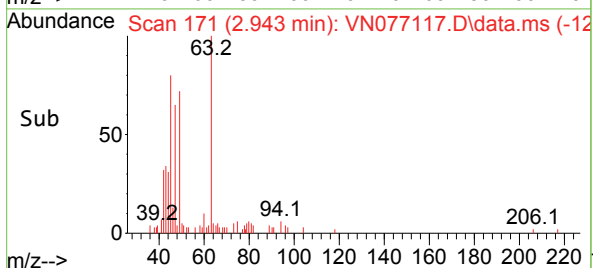
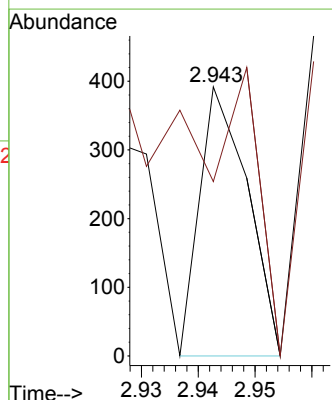
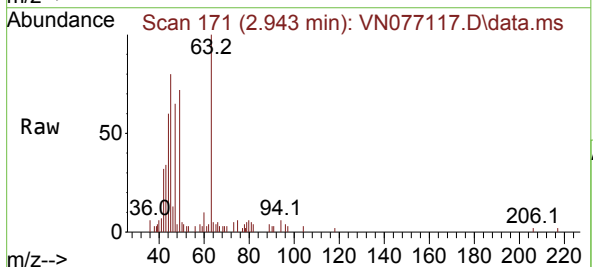
Instrument :
MSVOA_N
ClientSampleId :

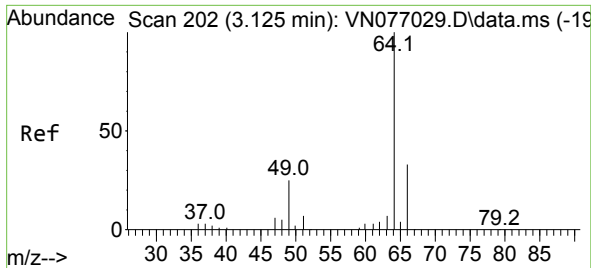
Tgt Ion:168 Resp: 104964
Ion Ratio Lower Upper
168 100
99 72.9 53.9 80.9



#5
Bromomethane
Concen: 0.298 ug/l
RT: 2.943 min Scan# 171
Delta R.T. -0.006 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 64.8 74.1 111.1#

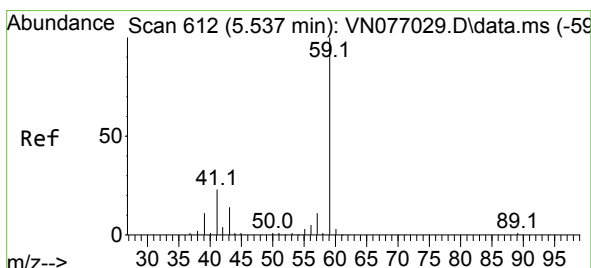
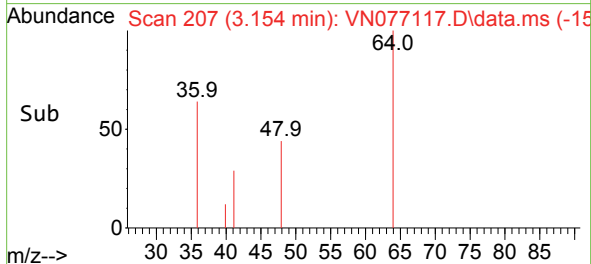
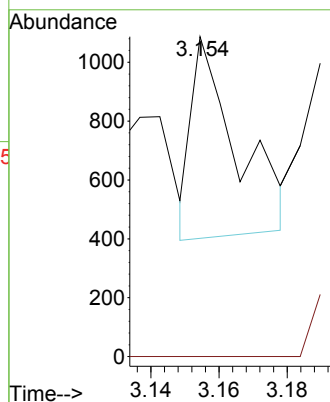
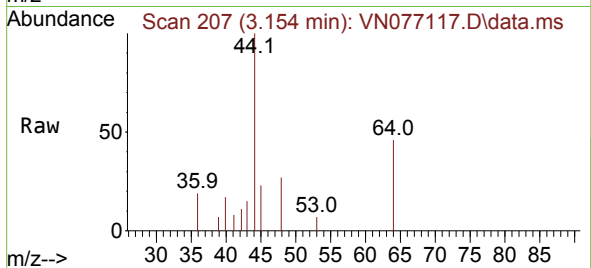




#6
Chloroethane
Concen: 0.878 ug/l
RT: 3.154 min Scan# 207
Delta R.T. 0.029 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

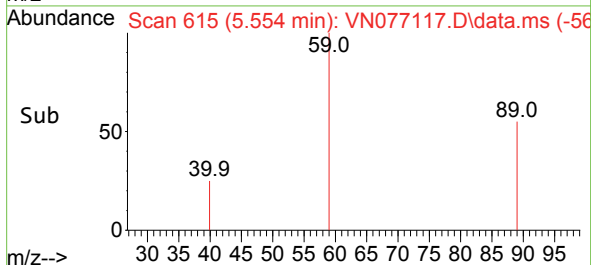
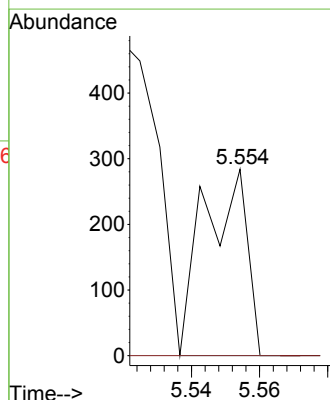
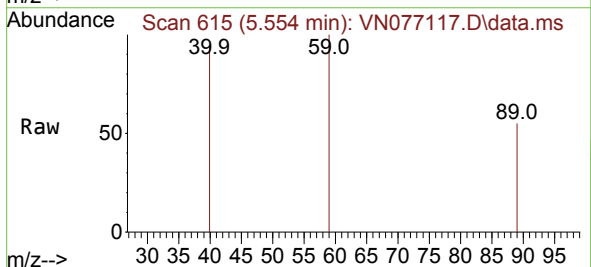
Instrument :
MSVOA_N
ClientSampleId :

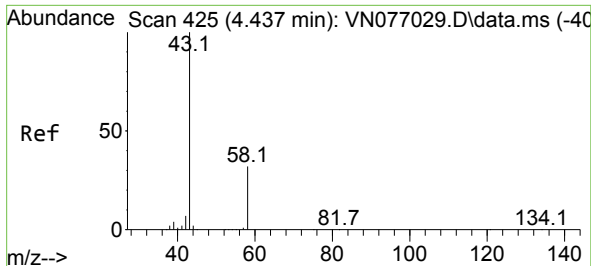
Tgt Ion: 64 Resp: 634
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 1.023 ug/l
RT: 5.554 min Scan# 615
Delta R.T. 0.017 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Tgt Ion: 59 Resp: 250
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

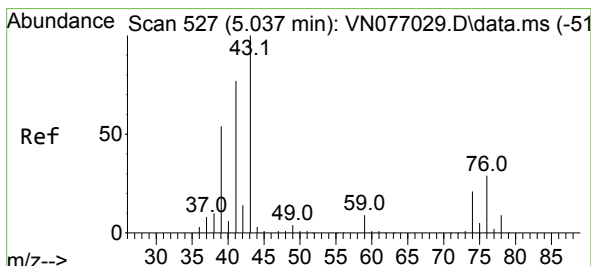
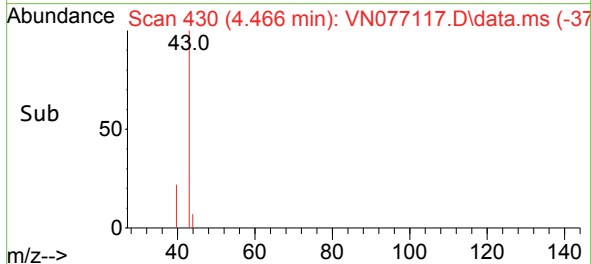
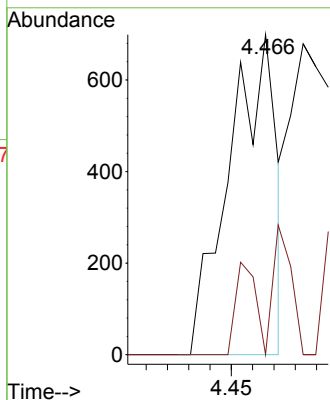
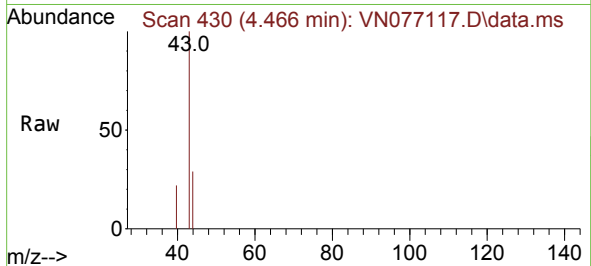




#16
Acetone
Concen: 1.434 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

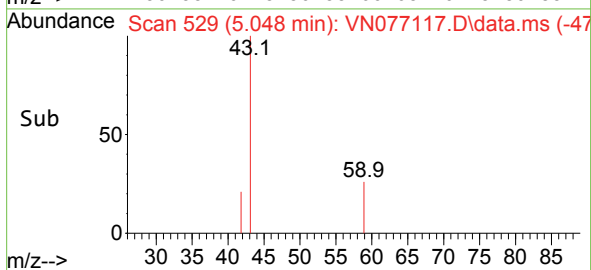
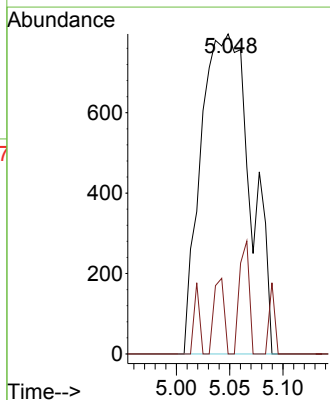
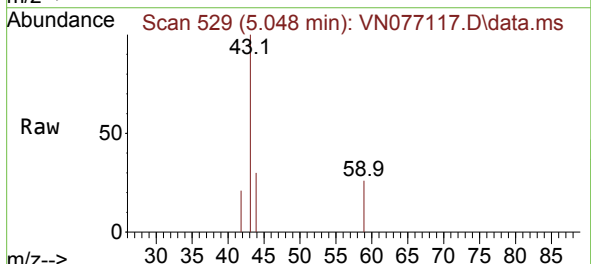
Instrument :
MSVOA_N
ClientSampleId :

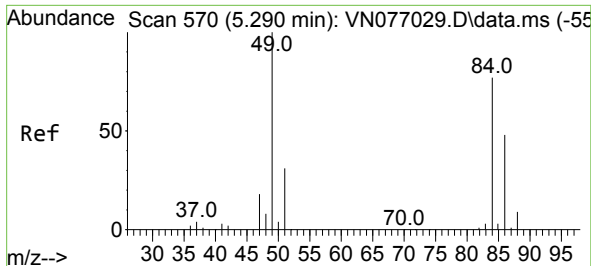
Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#



#18
Methyl Acetate
Concen: 0.911 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

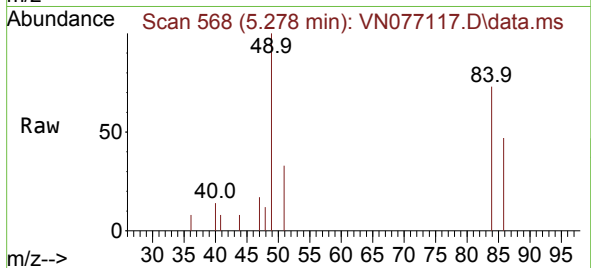
Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
74 4.9 17.7 26.5#



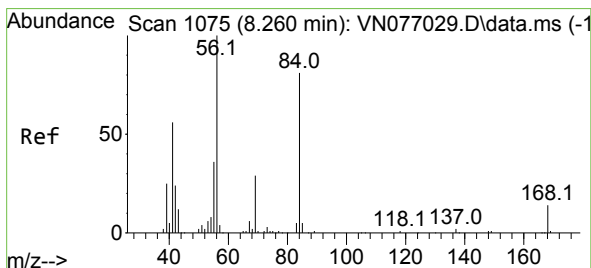
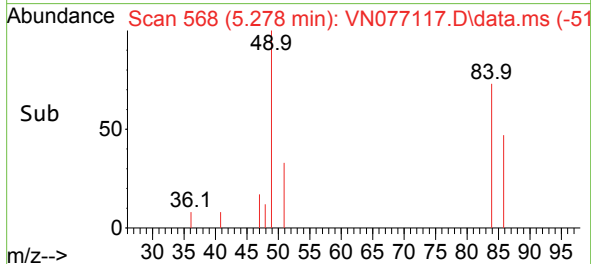
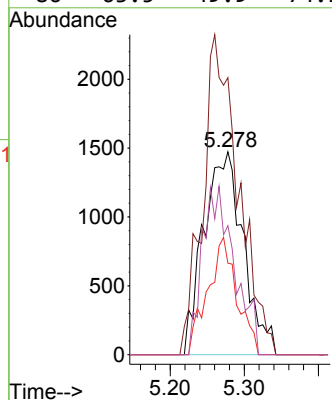


#20
Methylene Chloride
Concen: 3.371 ug/l
RT: 5.278 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

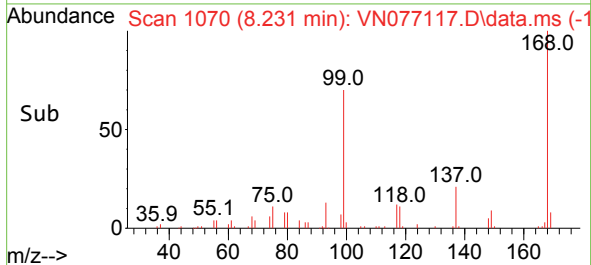
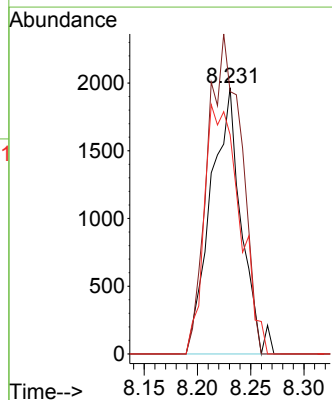
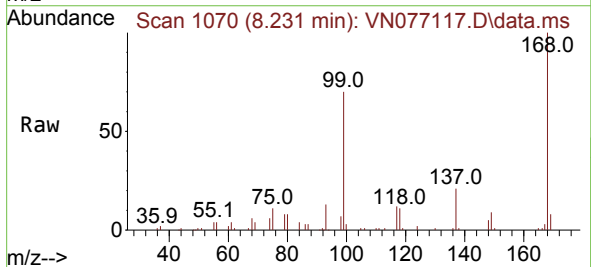


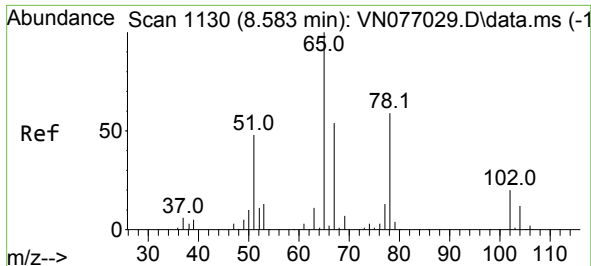
Tgt Ion:	84	Resp:	5466
Ion	Ratio	Lower	Upper
84	100		
49	136.6	103.8	155.6
51	45.1	32.3	48.5
86	63.5	49.9	74.9



#31
Cyclohexane
Concen: 1.421 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Tgt Ion:	56	Resp:	3898
Ion	Ratio	Lower	Upper
56	100		
69	98.6	22.8	34.2#
84	82.3	64.7	97.1





#33

1,2-Dichloroethane-d4

Concen: 59.612 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077117.D

Acq: 22 Mar 2023 19:01

Instrument :

MSVOA_N

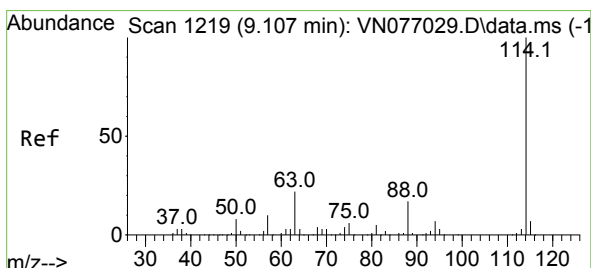
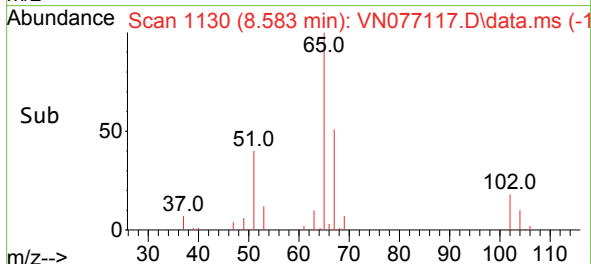
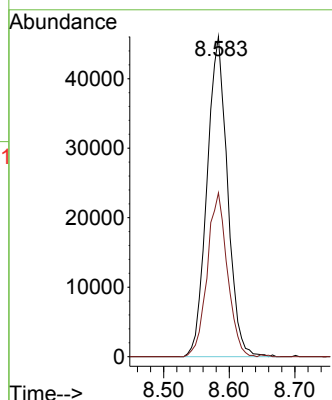
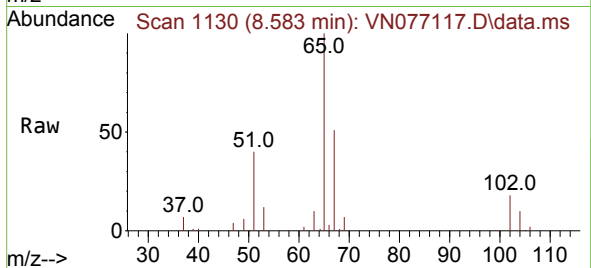
ClientSampleId :

Tgt Ion: 65 Resp: 99947

Ion Ratio Lower Upper

65 100

67 50.2 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: VN077117.D

Acq: 22 Mar 2023 19:01

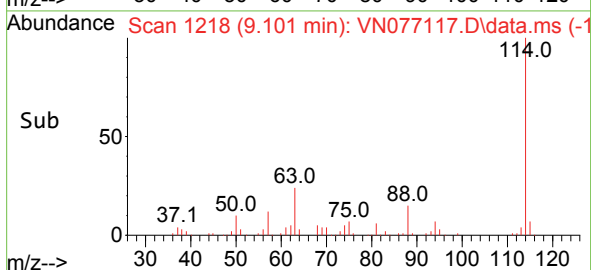
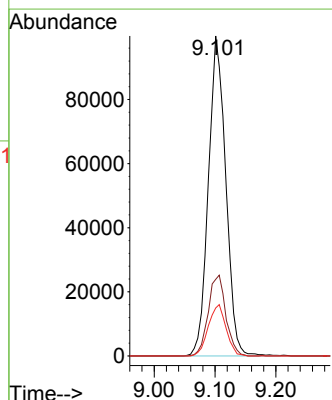
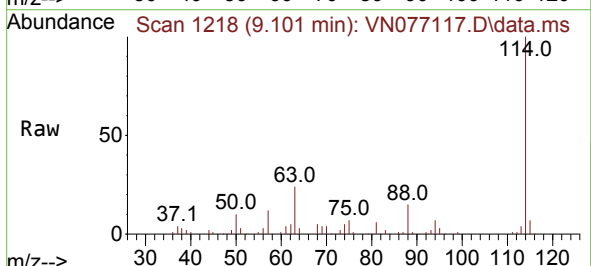
Tgt Ion: 114 Resp: 198112

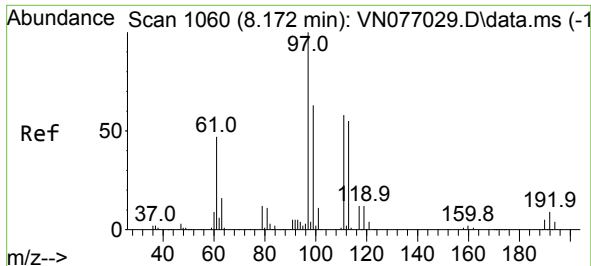
Ion Ratio Lower Upper

114 100

63 24.0 0.0 44.6

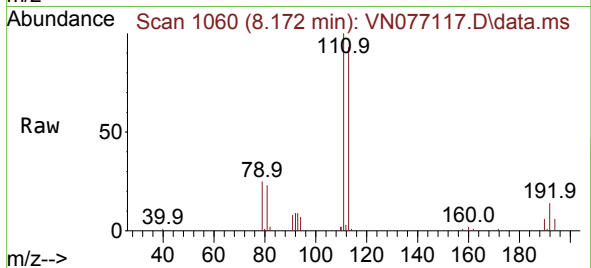
88 15.0 0.0 33.8



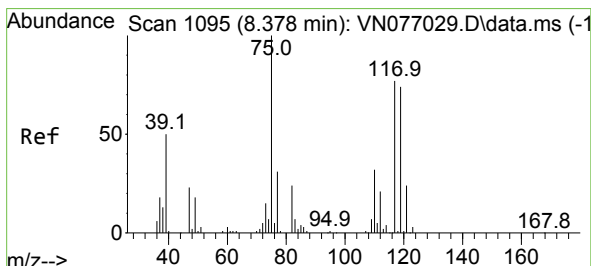
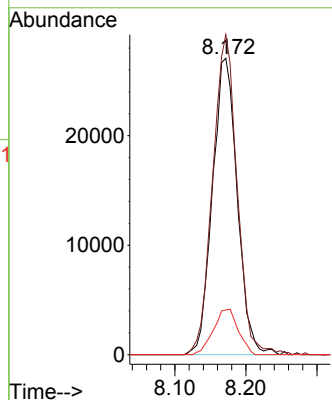
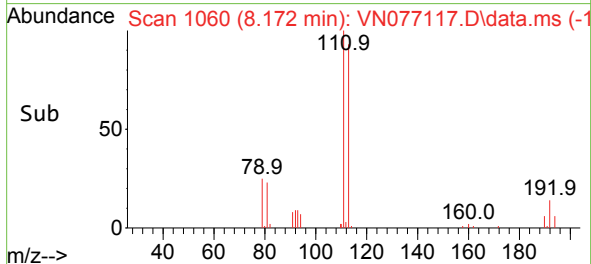


#35
Dibromofluoromethane
Concen: 47.189 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Instrument :
MSVOA_N
ClientSampleId :

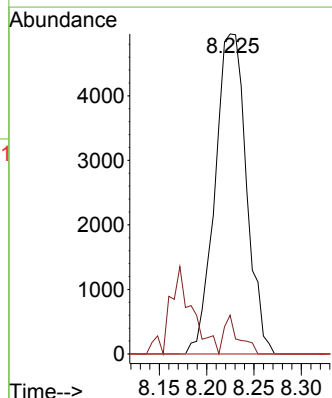
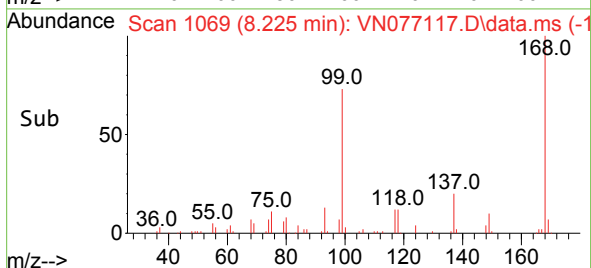
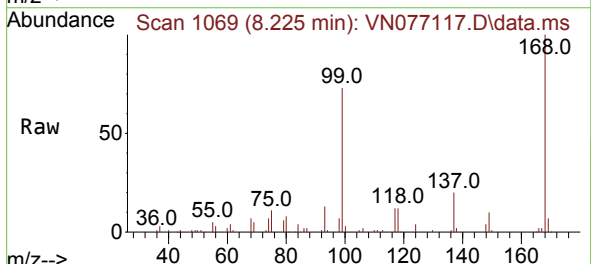


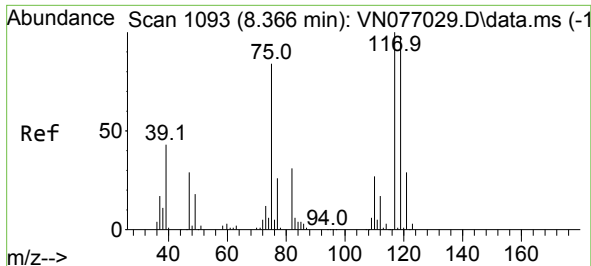
Tgt Ion:113 Resp: 65470
Ion Ratio Lower Upper
113 100
111 106.7 82.2 123.2
192 15.4 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.288 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Tgt Ion: 75 Resp: 11460
Ion Ratio Lower Upper
75 100
110 5.6 15.9 47.7#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 8.225 min Scan# 1

Delta R.T. -0.141 min

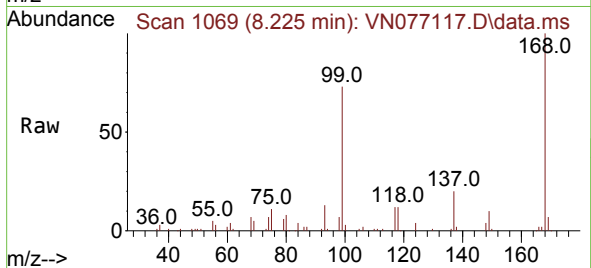
Lab File: VN077117.D

Acq: 22 Mar 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :



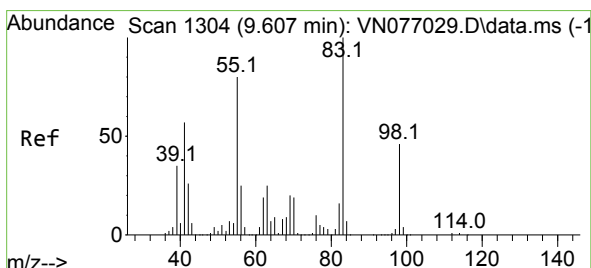
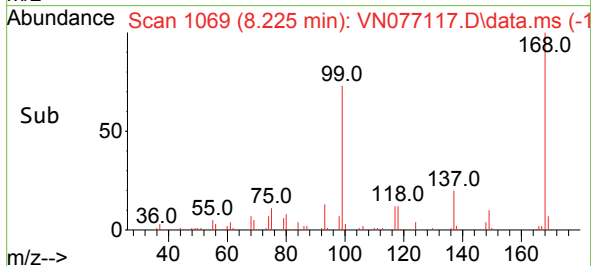
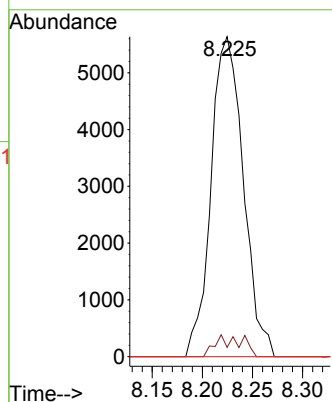
Tgt Ion:117 Resp: 12623

Ion Ratio Lower Upper

117 100

119 2.9 78.2 117.2#

121 0.0 23.2 34.8#



#39

Methylcyclohexane

Concen: 0.296 ug/l

RT: 9.348 min Scan# 1260

Delta R.T. -0.259 min

Lab File: VN077117.D

Acq: 22 Mar 2023 19:01

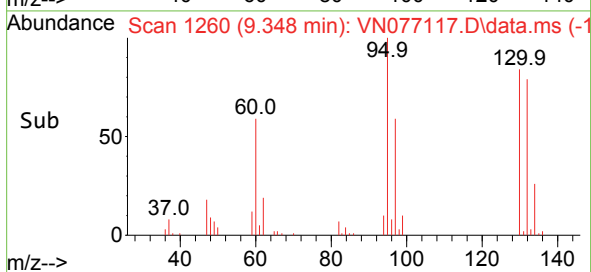
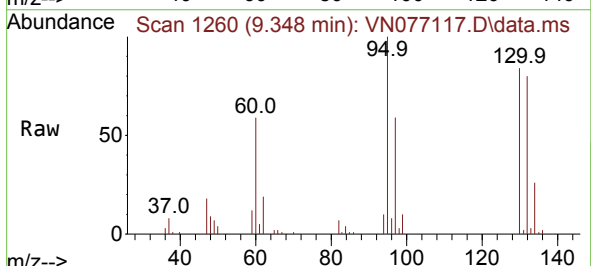
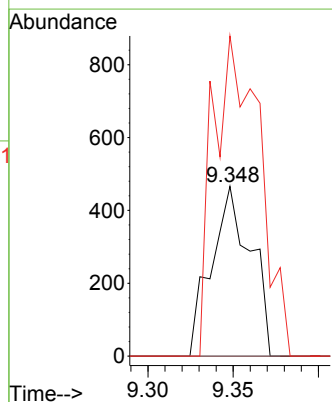
Tgt Ion: 83 Resp: 750

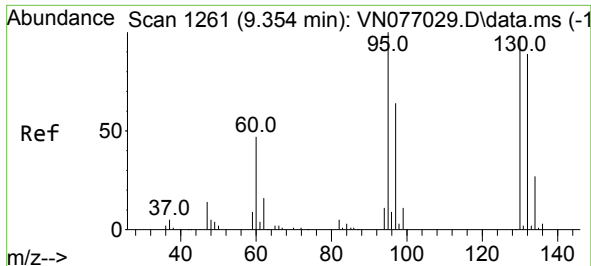
Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.8#

98 148.1 37.1 55.7#

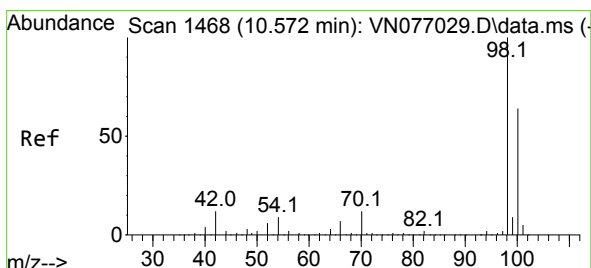
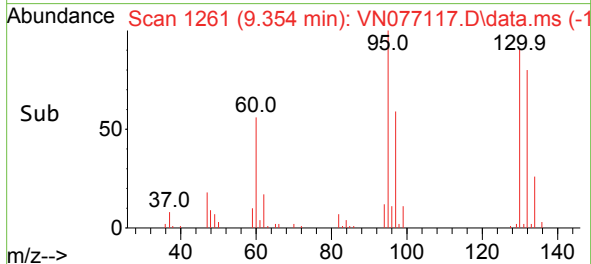
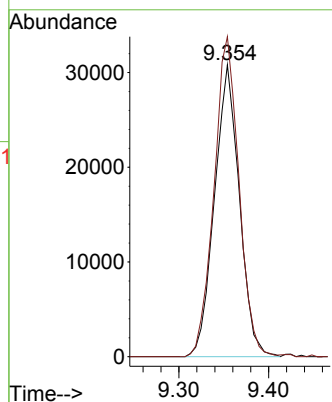
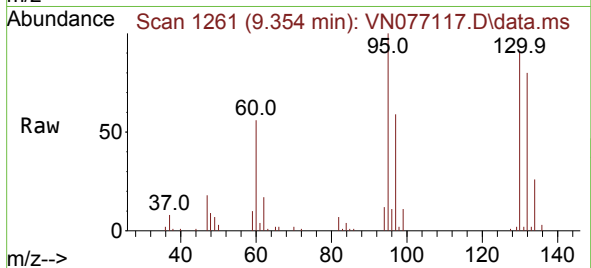




#44
Trichloroethene
Concen: 39.264 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

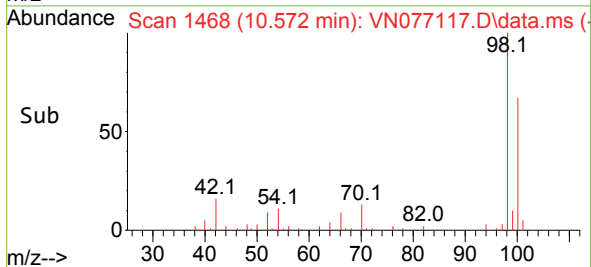
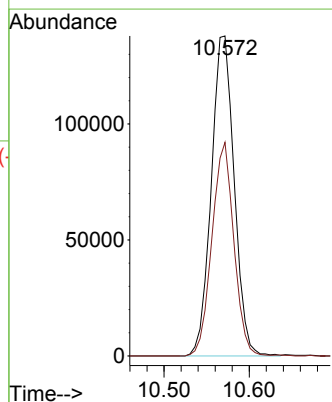
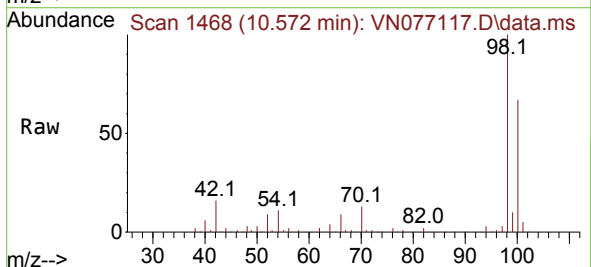
Instrument :
MSVOA_N
ClientSampleId :

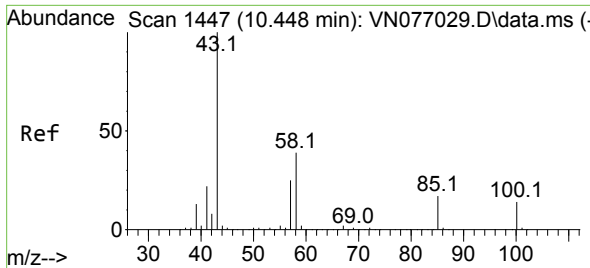
Tgt Ion:130 Resp: 59272
Ion Ratio Lower Upper
130 100
95 109.7 0.0 204.4



#50
Toluene-d8
Concen: 51.983 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

Tgt Ion: 98 Resp: 257629
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.646 ug/l

RT: 10.566 min Scan# 14

Delta R.T. 0.118 min

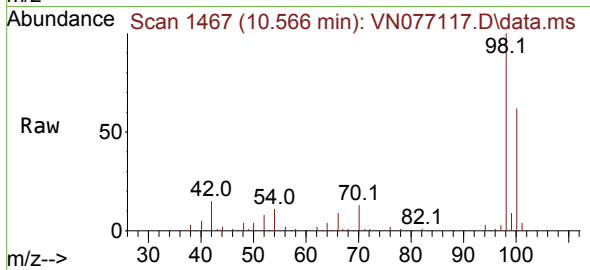
Lab File: VN077117.D

Acq: 22 Mar 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :

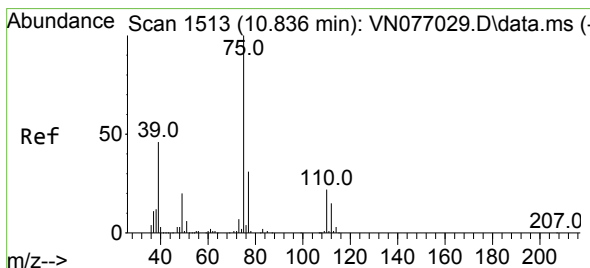
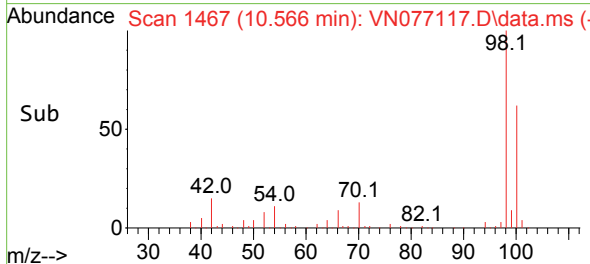
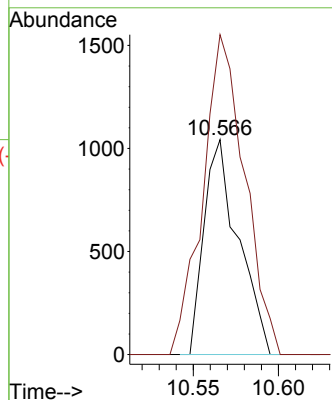


Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

58 182.1 31.1 46.7#



#53

t-1,3-Dichloropropene

Concen: 0.232 ug/l

RT: 10.707 min Scan# 1491

Delta R.T. -0.129 min

Lab File: VN077117.D

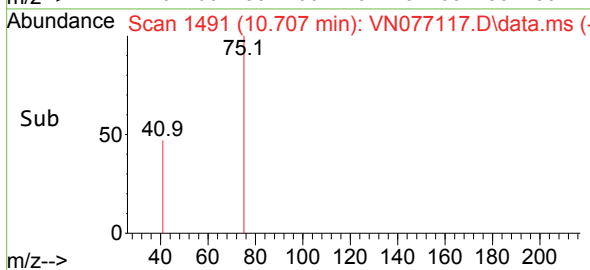
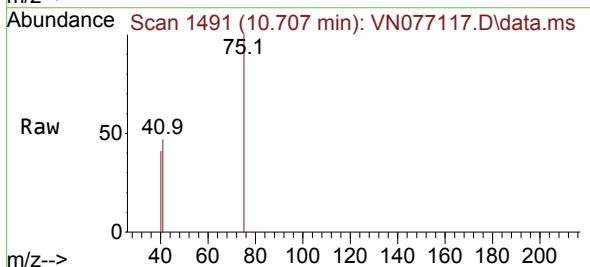
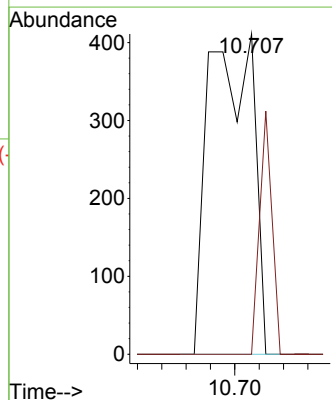
Acq: 22 Mar 2023 19:01

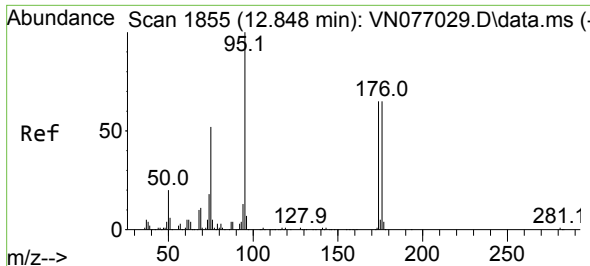
Tgt Ion: 75 Resp: 524

Ion Ratio Lower Upper

75 100

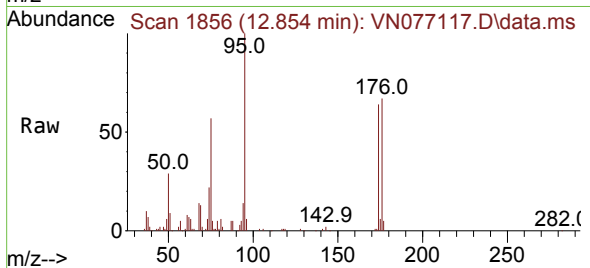
77 0.0 25.1 37.7#



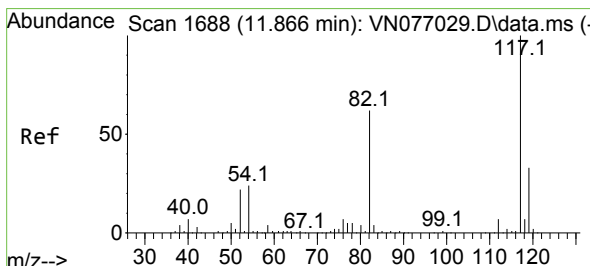
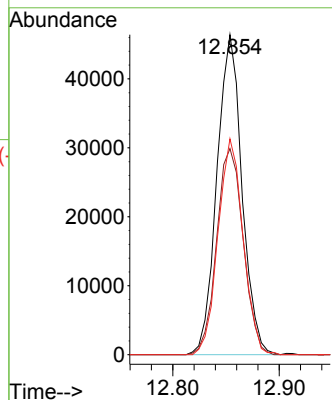
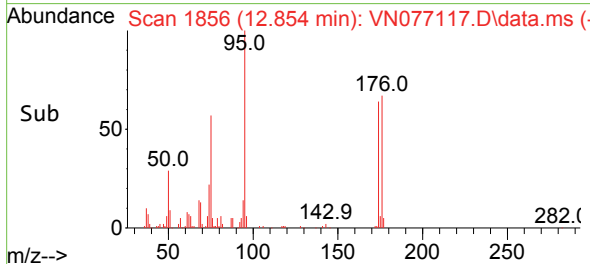


#62
4-Bromofluorobenzene
Concen: 43.302 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

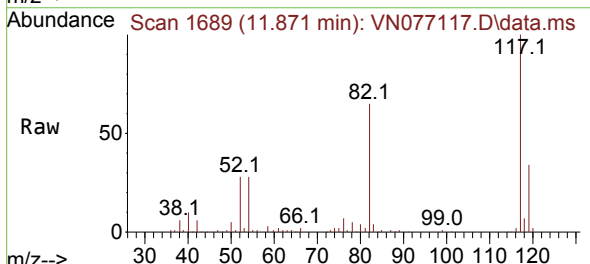
Instrument :
MSVOA_N
ClientSampleId :



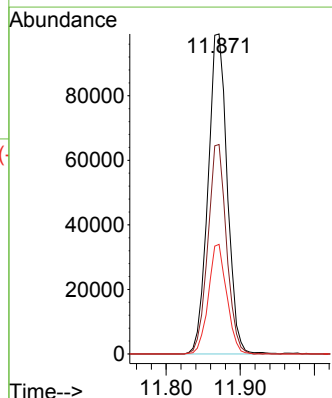
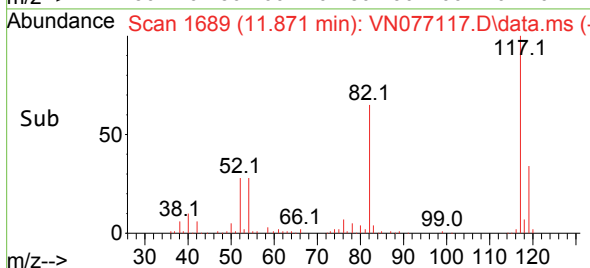
Tgt Ion: 95 Resp: 75833
Ion Ratio Lower Upper
95 100
174 68.2 0.0 136.6
176 67.3 0.0 130.0

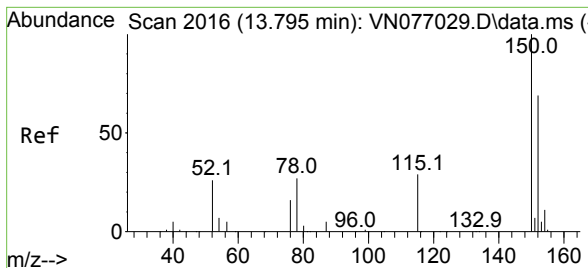


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01



Tgt Ion: 117 Resp: 178730
Ion Ratio Lower Upper
117 100
82 65.4 49.4 74.0
119 34.2 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

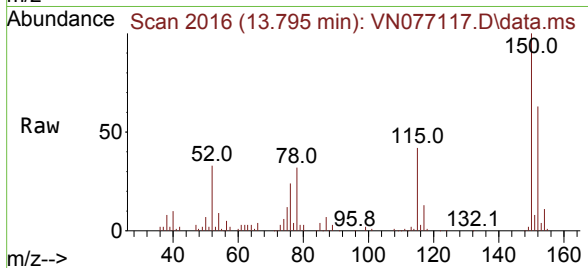
Lab File: VN077117.D

Acq: 22 Mar 2023 19:01

Instrument :

MSVOA_N

ClientSampleId :



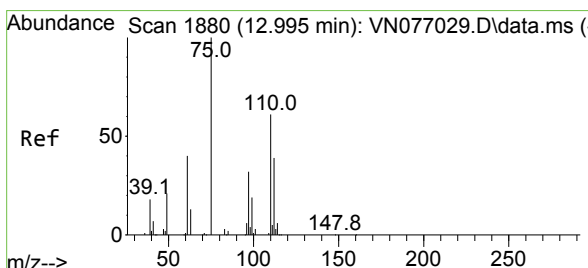
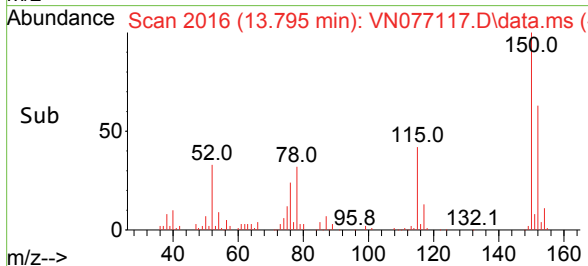
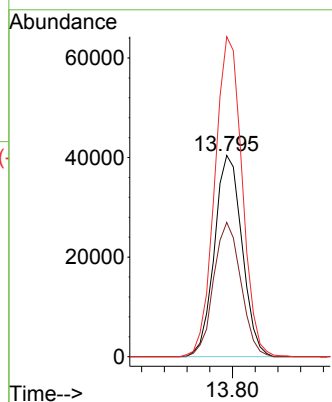
Tgt Ion:152 Resp: 68297

Ion Ratio Lower Upper

152 100

115 66.0 31.9 95.7

150 157.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 25.827 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077117.D

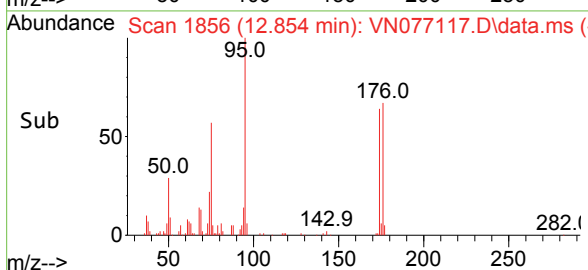
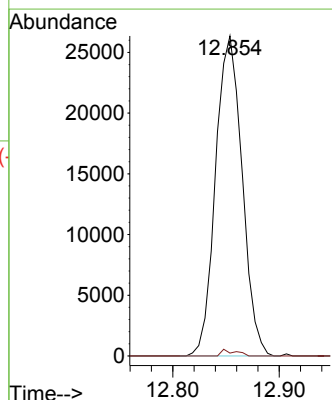
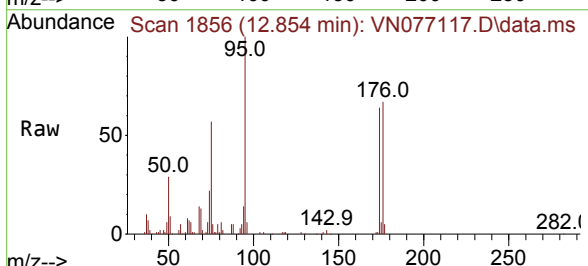
Acq: 22 Mar 2023 19:01

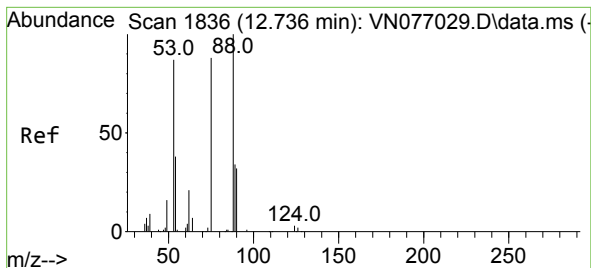
Tgt Ion: 75 Resp: 45626

Ion Ratio Lower Upper

75 100

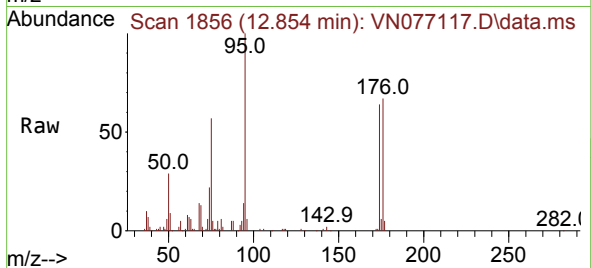
77 1.1 107.3 322.0#



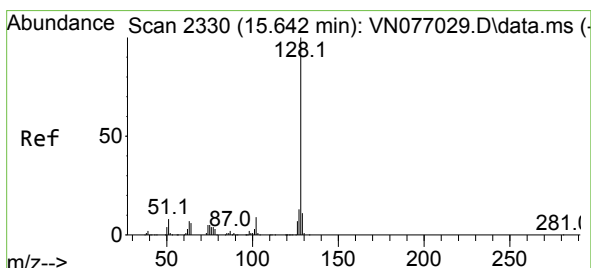
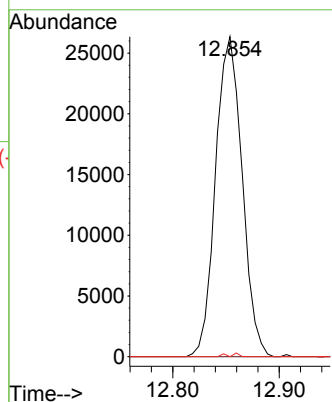
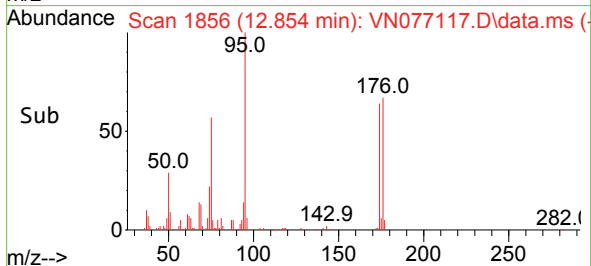


#81
trans-1,4-Dichloro-2-butene
Concen: 71.091 ug/l
RT: 12.854 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01

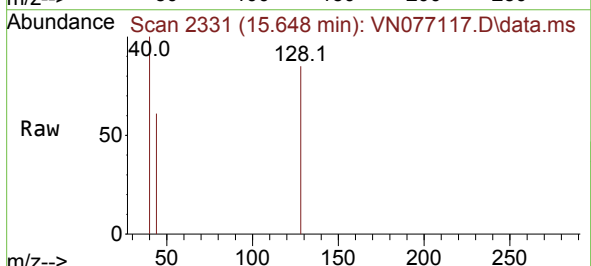
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 45626
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.2 34.2 51.4#



#95
Naphthalene
Concen: 1.930 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077117.D
Acq: 22 Mar 2023 19:01



Tgt Ion: 128 Resp: 85
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

