

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
 Data File : VN081617.D
 Acq On : 29 Mar 2024 15:53
 Operator : JC\MD
 Sample : P1921-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-16

Quant Time: Mar 30 00:30:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

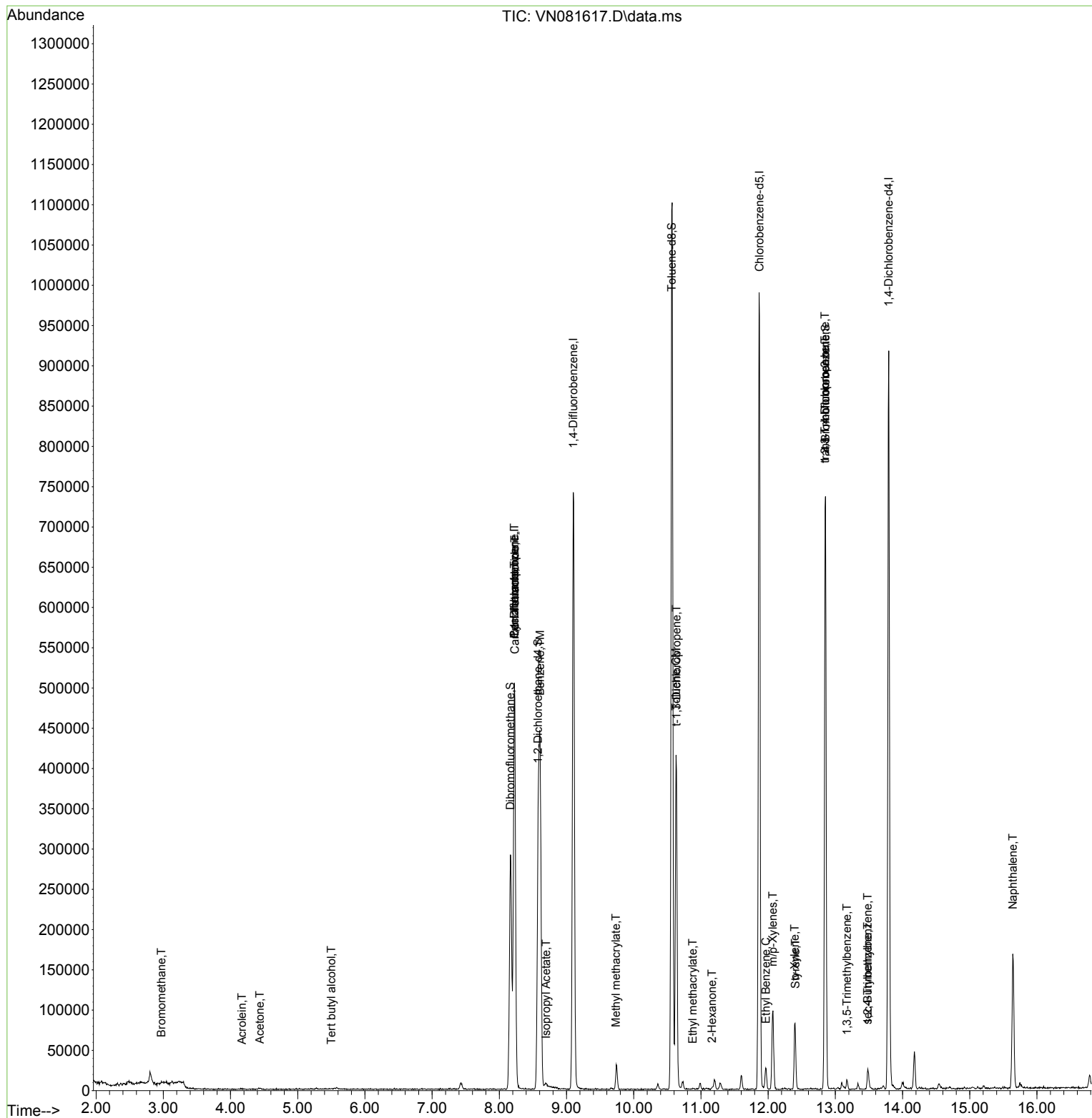
Internal Standards						
1) Pentafluorobenzene	8.224	168	348638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	656306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	599454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	238275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	244835	55.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.140%			
35) Dibromofluoromethane	8.165	113	204968	49.486	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	10.565	98	777048	51.898	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.800%			
62) 4-Bromofluorobenzene	12.853	95	252663	47.891	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.780%			
Target Compounds						Qvalue
5) Bromomethane	2.971	94	1153	0.311	ug/l #	77
11) Tert butyl alcohol	5.500	59	185	0.239	ug/l #	72
13) Acrolein	4.171	56	151	0.217	ug/l #	26
16) Acetone	4.436	43	2984	2.077	ug/l	92
31) Cyclohexane	8.224	56	8658	1.197	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	29580	4.244	ug/l #	51
38) Carbon Tetrachloride	8.230	117	38678	5.065	ug/l #	19
40) Benzene	8.606	78	388628	19.070	ug/l	95
43) Isopropyl Acetate	8.694	43	6554	0.662	ug/l #	71
48) Methyl methacrylate	9.735	41	2997	0.657	ug/l #	47
52) Toluene	10.630	92	184415	14.238	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	2692	0.340	ug/l #	1
56) Ethyl methacrylate	10.877	69	68	0.580	ug/l #	20
59) 2-Hexanone	11.165	43	993	0.222	ug/l #	26
67) Ethyl Benzene	11.965	91	17901	0.727	ug/l	94
68) m/p-Xylenes	12.071	106	32021	3.470	ug/l	95
69) o-Xylene	12.394	106	22028	2.431	ug/l	97
70) Styrene	12.406	104	3931	0.269	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	137046	24.045	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.171	105	5039	0.300	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.847	75	137046	64.976	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.482	105	14642	0.868	ug/l	100
85) sec-Butylbenzene	13.482	105	14642	0.708	ug/l #	60
95) Naphthalene	15.641	128	160072	9.629	ug/l	100

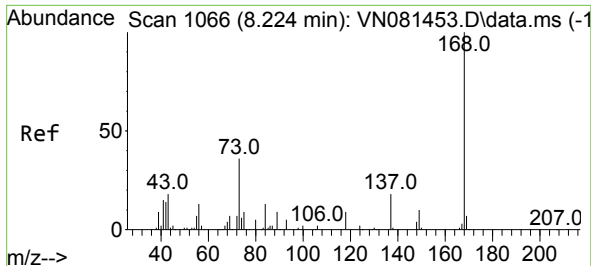
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032924\
Data File : VN081617.D
Acq On : 29 Mar 2024 15:53
Operator : JC\MD
Sample : P1921-01 50X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
S-16

Quant Time: Mar 30 00:30:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration

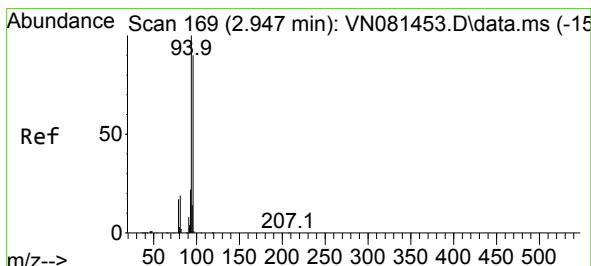
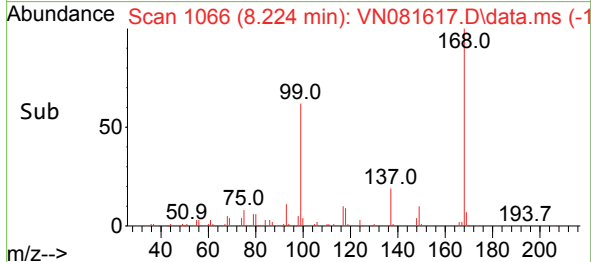
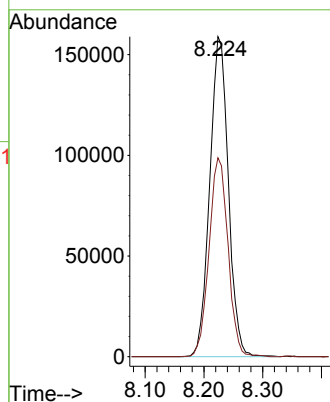
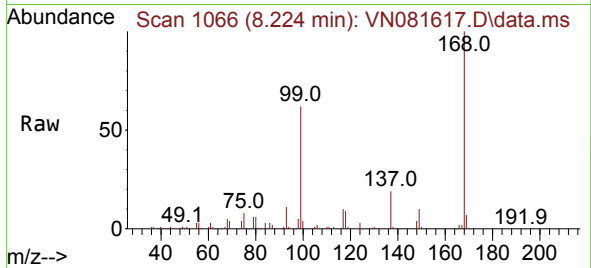




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

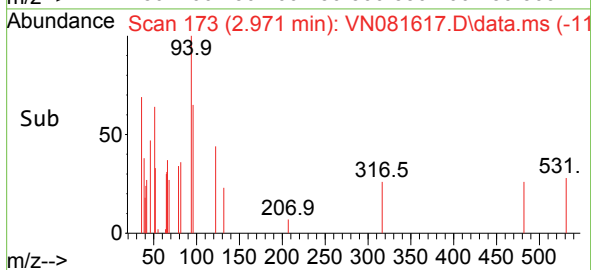
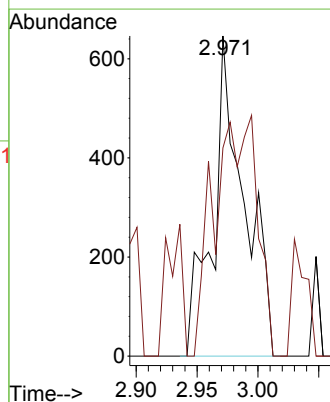
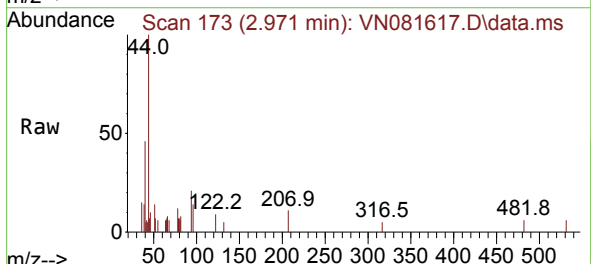
Instrument :
MSVOA_N
ClientSampleId :
S-16

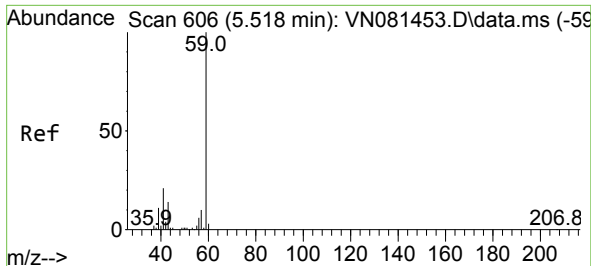
Tgt Ion:168 Resp: 348638
Ion Ratio Lower Upper
168 100
99 62.1 59.9 89.9



#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 94 Resp: 1153
Ion Ratio Lower Upper
94 100
96 65.0 69.2 103.8#

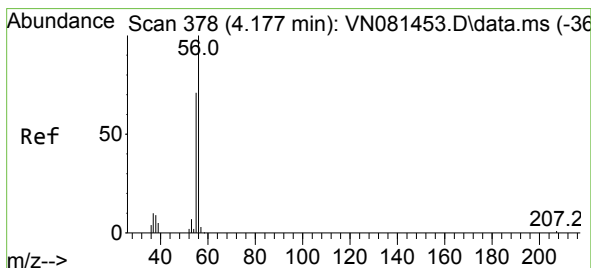
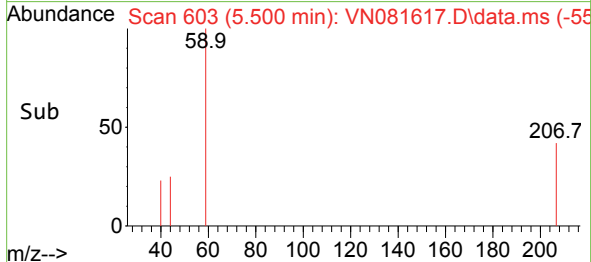
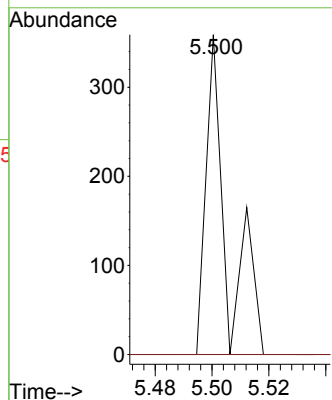
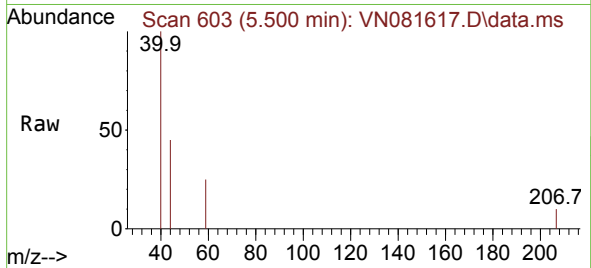




#11
Tert butyl alcohol
Concen: 0.239 ug/l
RT: 5.500 min Scan# 606
Delta R.T. -0.017 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

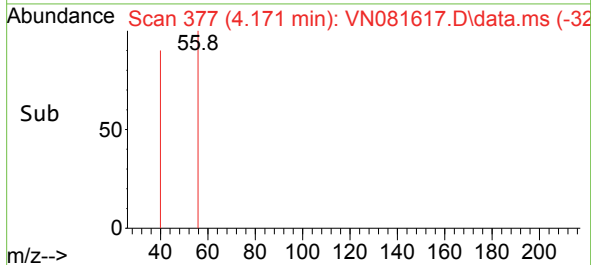
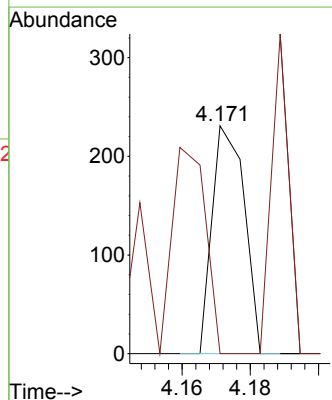
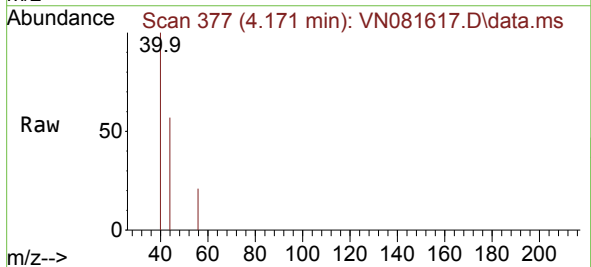
Instrument :
MSVOA_N
ClientSampleId :
S-16

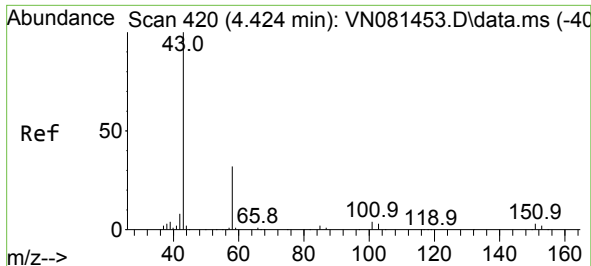
Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 0.217 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 56 Resp: 151
Ion Ratio Lower Upper
56 100
55 129.1 55.3 82.9#

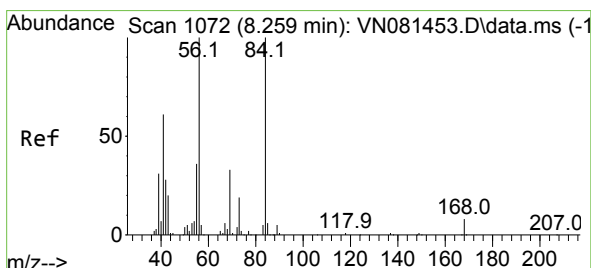
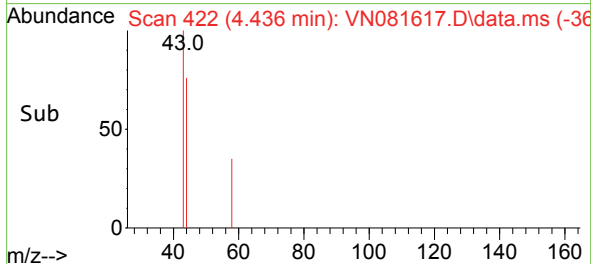
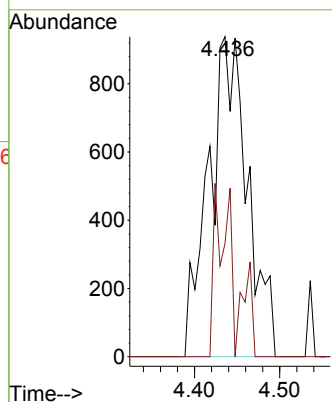
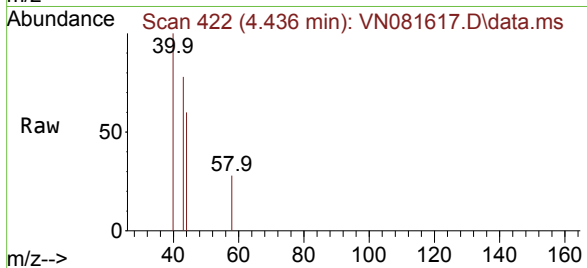




#16
Acetone
Concen: 2.077 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

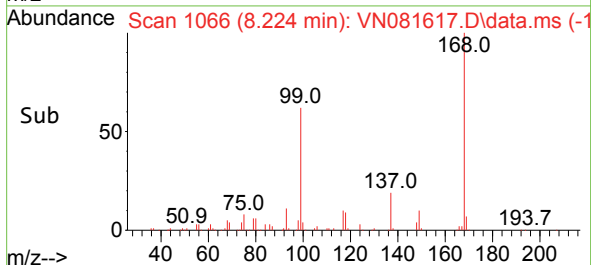
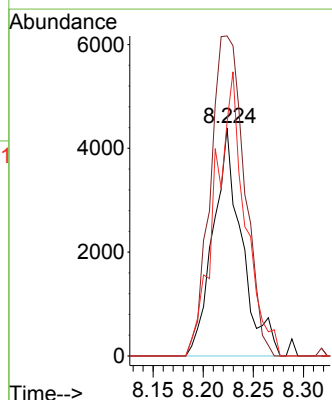
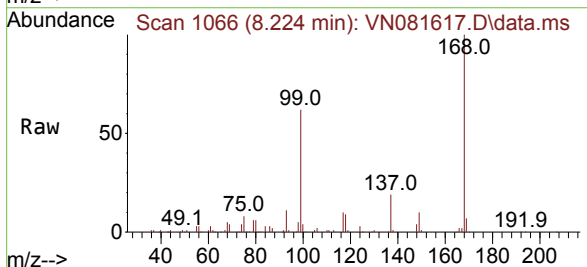
Instrument :
MSVOA_N
ClientSampleId :
S-16

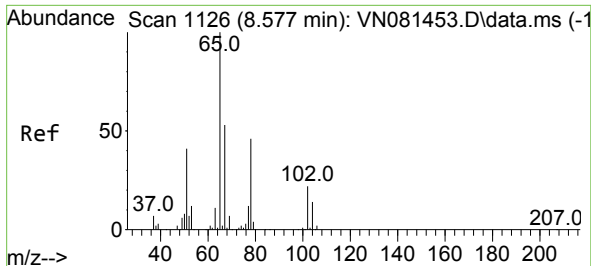
Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
58 35.4 24.8 37.2



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 56 Resp: 8658
Ion Ratio Lower Upper
56 100
69 140.3 20.1 30.1#
84 102.5 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 55.068 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081617.D

Acq: 29 Mar 2024 15:53

Instrument :

MSVOA_N

ClientSampleId :

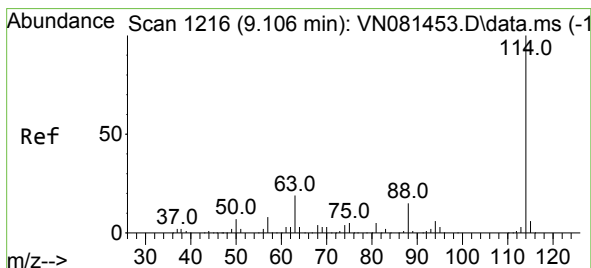
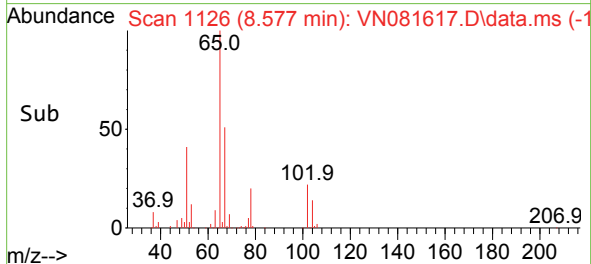
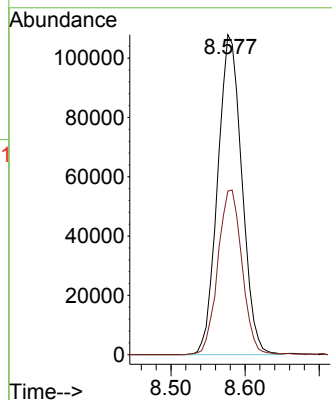
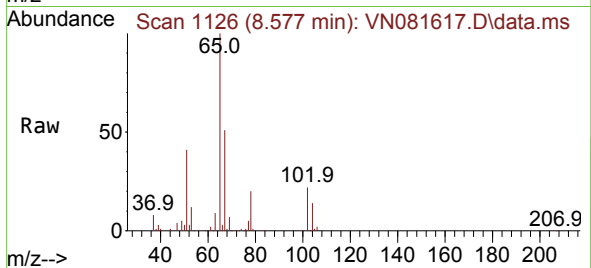
S-16

Tgt Ion: 65 Resp: 244835

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081617.D

Acq: 29 Mar 2024 15:53

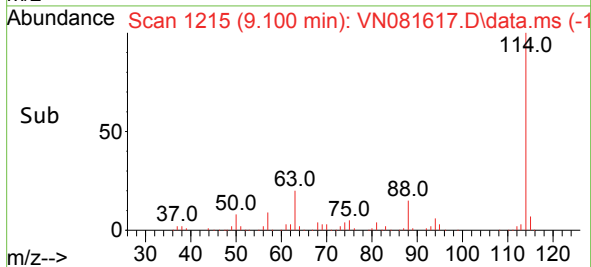
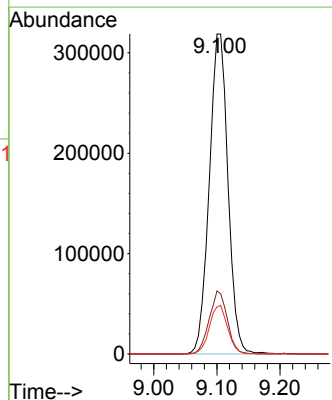
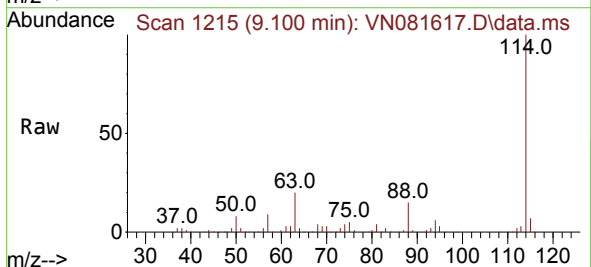
Tgt Ion: 114 Resp: 656306

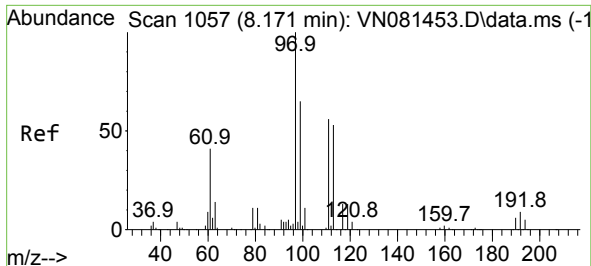
Ion Ratio Lower Upper

114 100

63 19.7 0.0 48.0

88 14.7 0.0 34.8

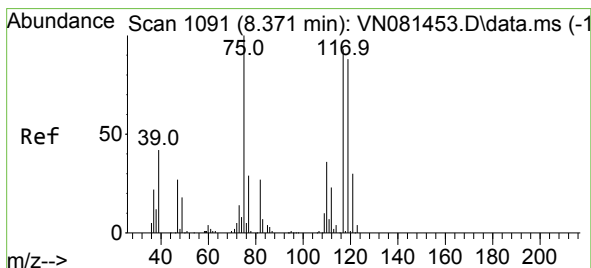
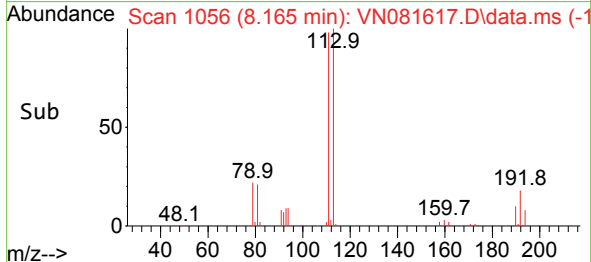
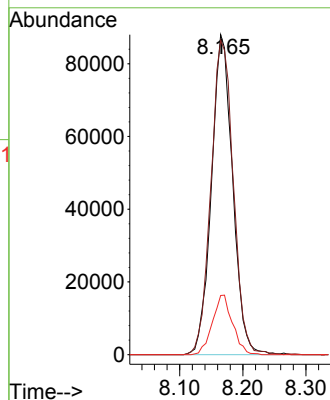
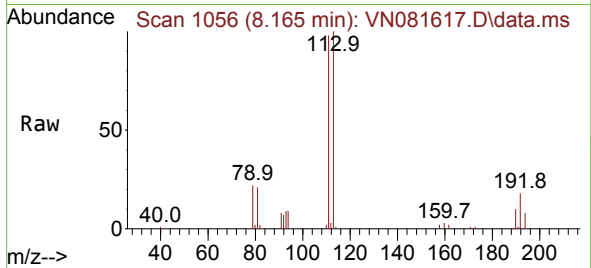




#35
Dibromofluoromethane
Concen: 49.486 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

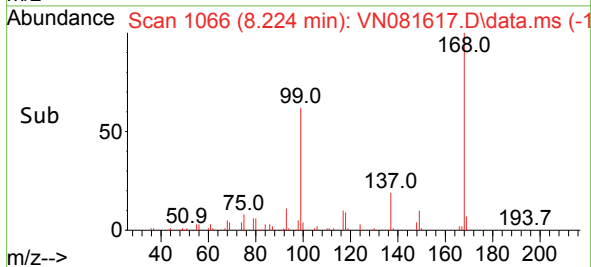
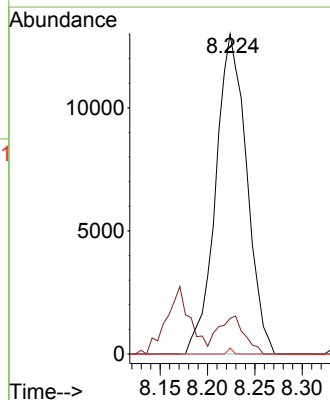
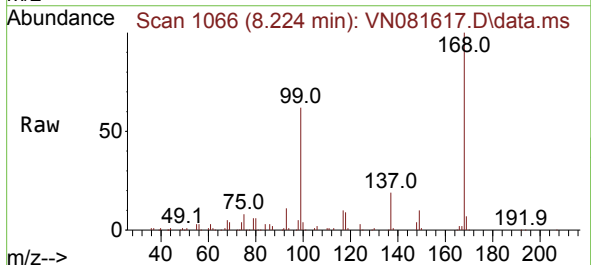
Instrument :
MSVOA_N
ClientSampleId :
S-16

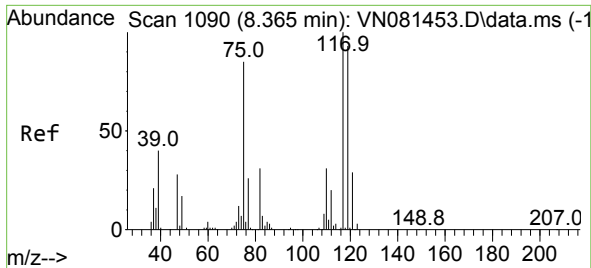
Tgt Ion:113 Resp: 204968
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 17.7 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 75 Resp: 29580
Ion Ratio Lower Upper
75 100
110 10.0 16.0 48.0#
77 0.0 25.8 38.6#

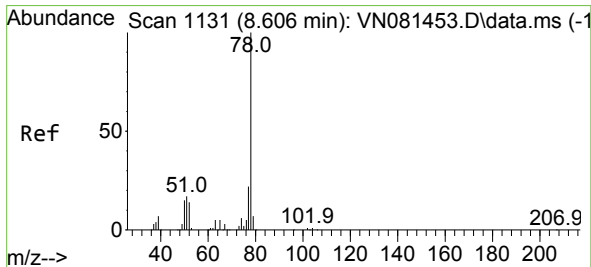
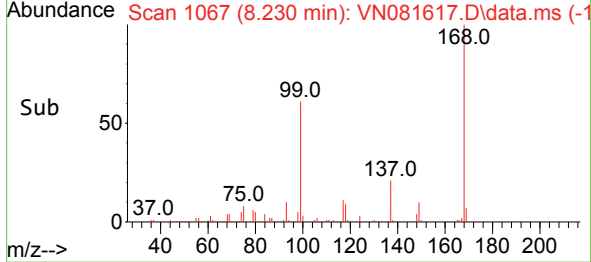
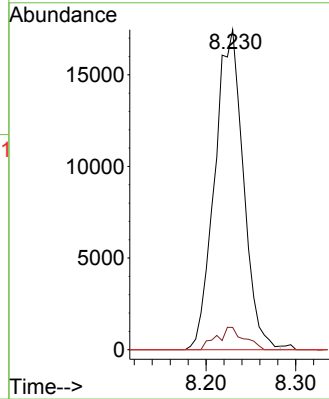
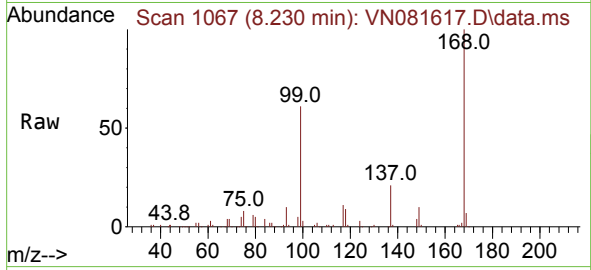




#38
Carbon Tetrachloride
Concen: 5.065 ug/l
RT: 8.230 min Scan# 1090
Delta R.T. -0.135 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

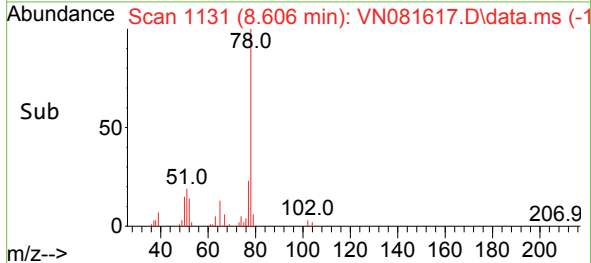
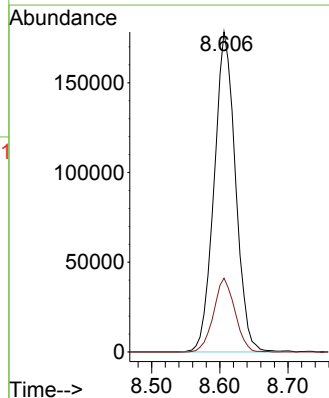
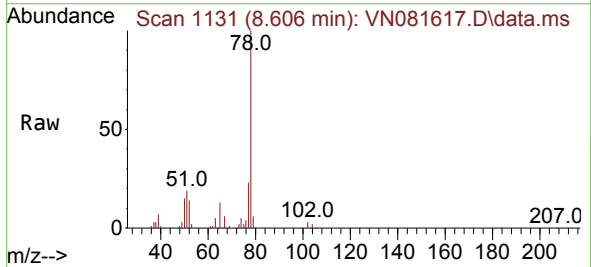
Instrument :
MSVOA_N
ClientSampleId :
S-16

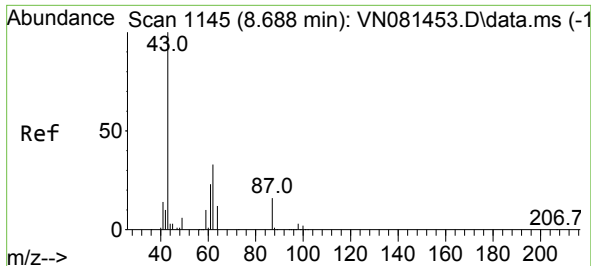
Tgt Ion:117 Resp: 38678
Ion Ratio Lower Upper
117 100
119 6.9 73.4 110.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 19.070 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 78 Resp: 388628
Ion Ratio Lower Upper
78 100
77 23.0 20.4 30.6

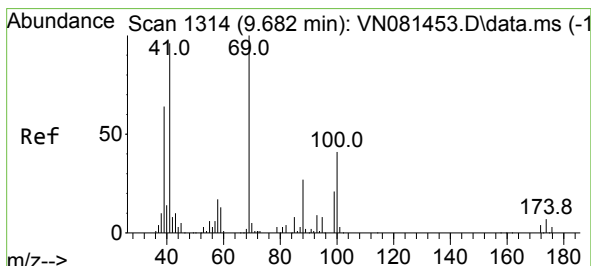
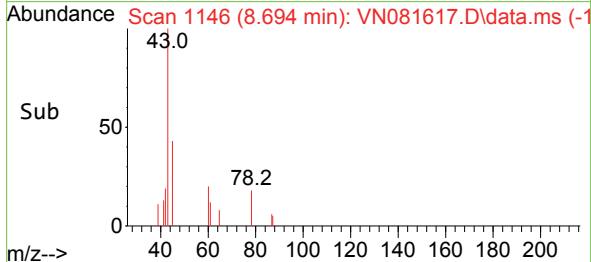
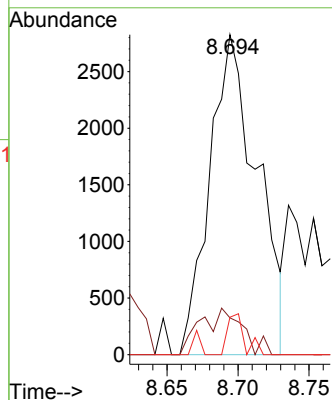
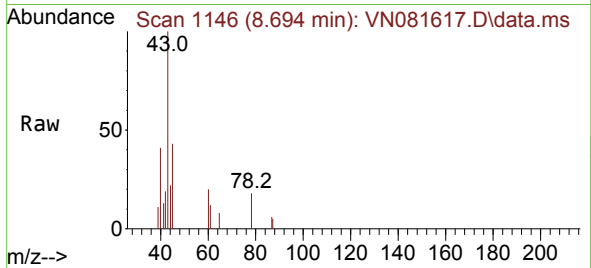




#43
Isopropyl Acetate
Concen: 0.662 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

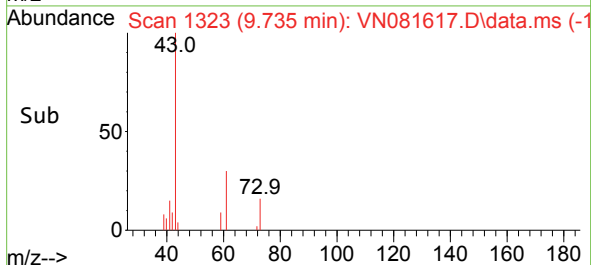
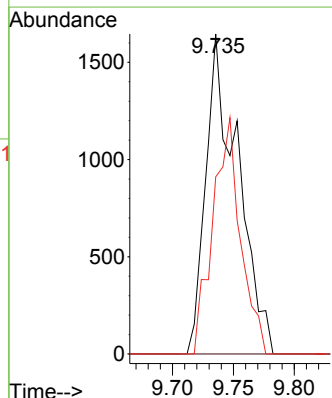
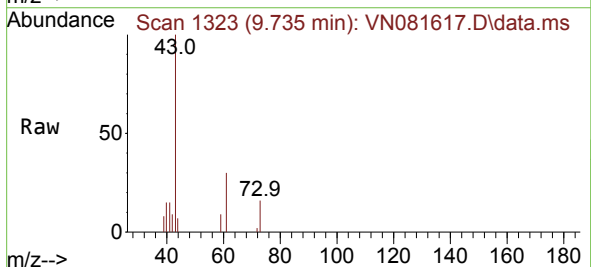
Instrument :
MSVOA_N
ClientSampleId :
S-16

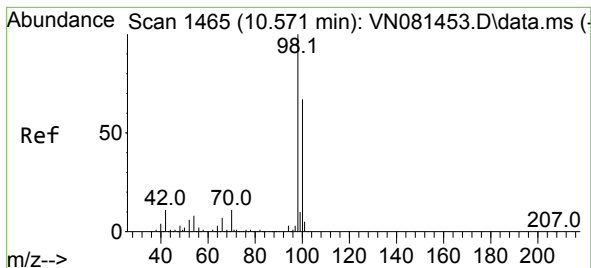
Tgt Ion: 43 Resp: 6554
Ion Ratio Lower Upper
43 100
61 7.6 19.9 29.9#
87 4.5 9.0 13.6#



#48
Methyl methacrylate
Concen: 0.657 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.053 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 41 Resp: 2997
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 64.1 47.6 71.4

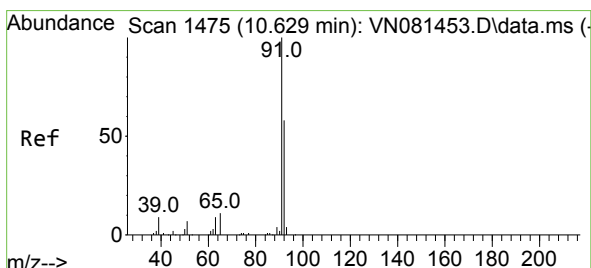
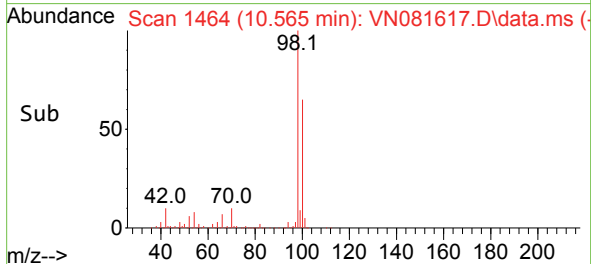
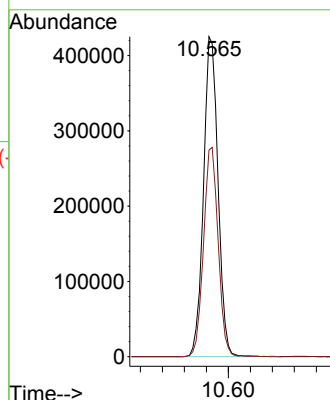
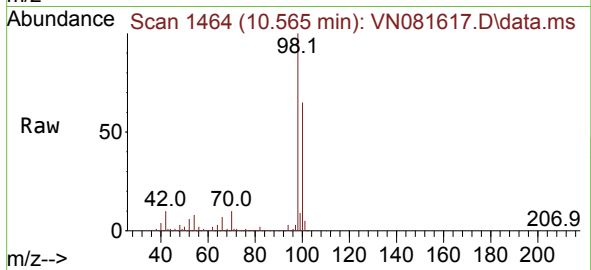




#50
Toluene-d8
Concen: 51.898 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

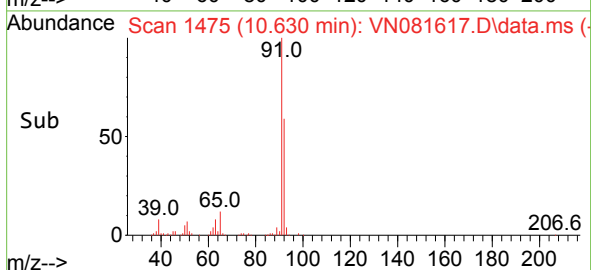
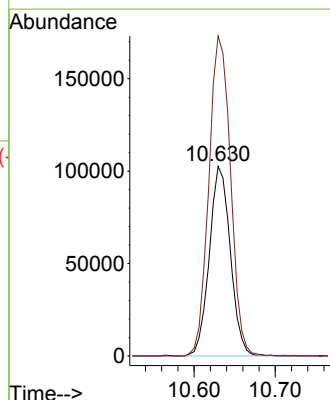
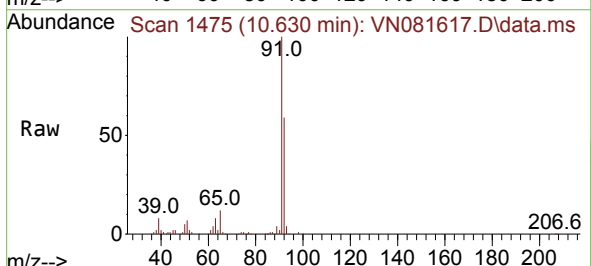
Instrument :
MSVOA_N
ClientSampleId :
S-16

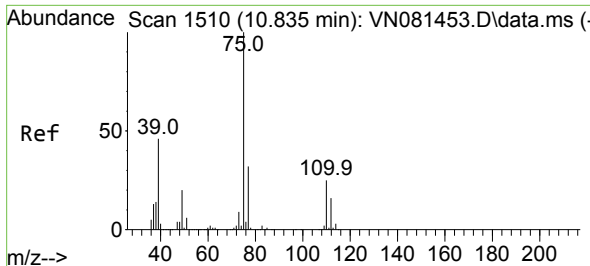
Tgt Ion: 98 Resp: 777048
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.0



#52
Toluene
Concen: 14.238 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 92 Resp: 184415
Ion Ratio Lower Upper
92 100
91 174.2 139.4 209.0

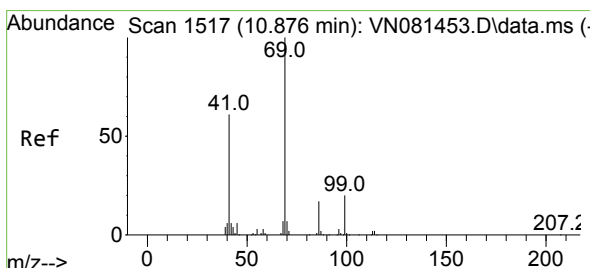
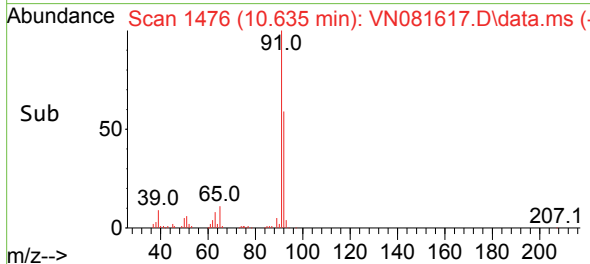
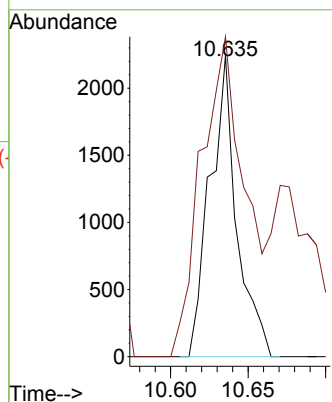
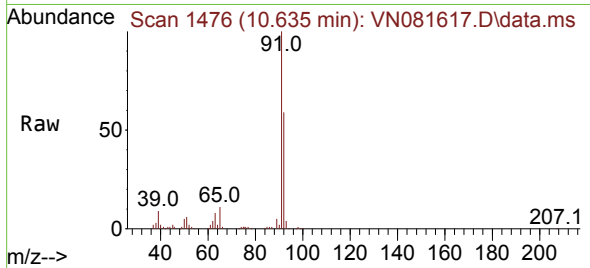




#53
t-1,3-Dichloropropene
Concen: 0.340 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.200 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

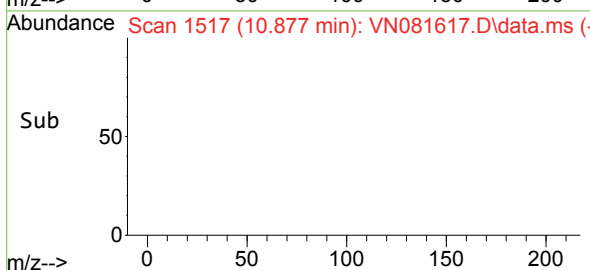
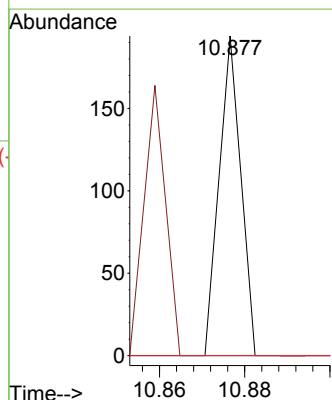
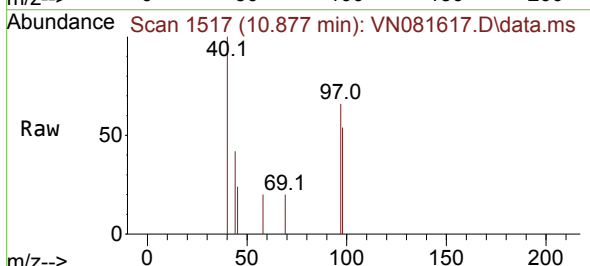
Instrument :
MSVOA_N
ClientSampleId :
S-16

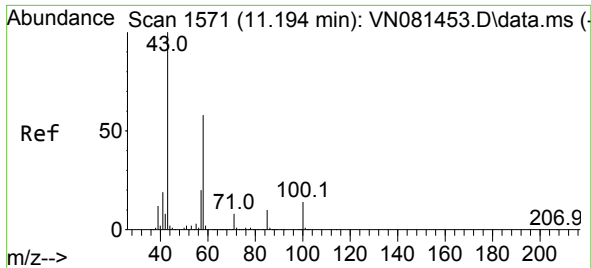
Tgt Ion: 75 Resp: 2692
Ion Ratio Lower Upper
75 100
77 94.9 25.5 38.3#



#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.001 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#

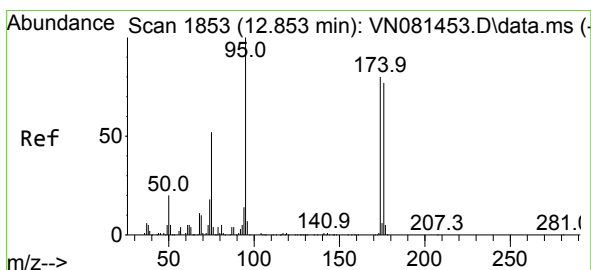
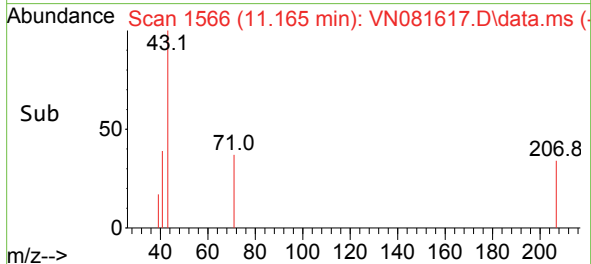
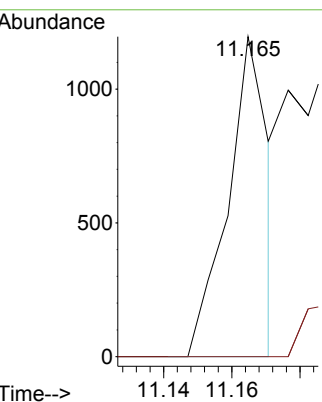
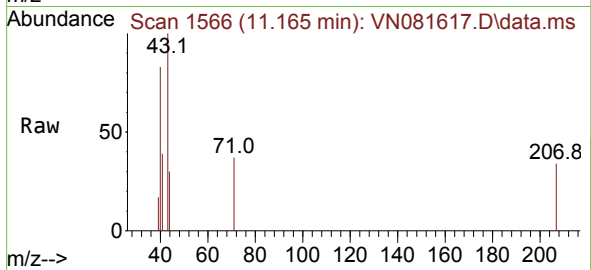




#59
2-Hexanone
Concen: 0.222 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

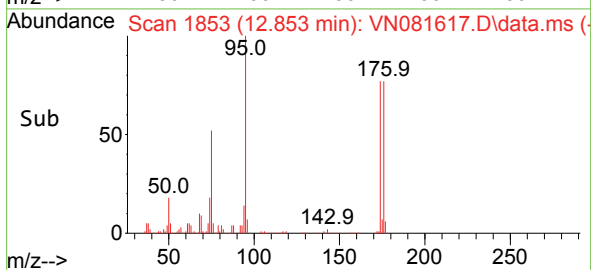
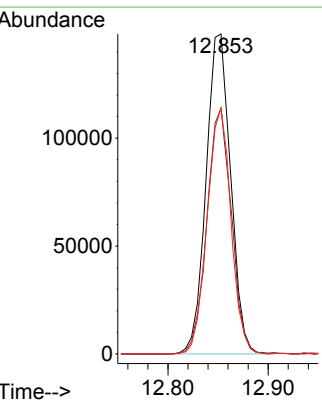
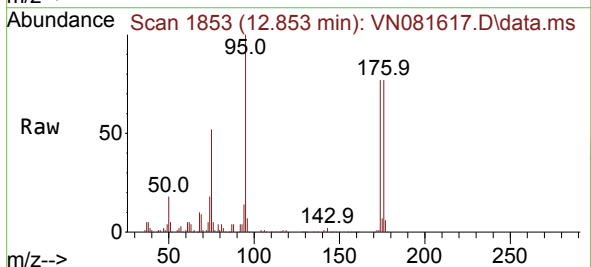
Instrument :
MSVOA_N
ClientSampleId :
S-16

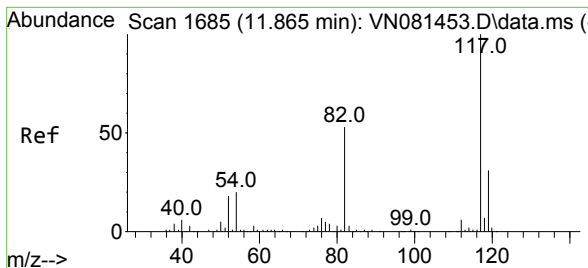
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 47.891 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 95 Resp: 252663
Ion Ratio Lower Upper
95 100
174 76.3 0.0 120.4
176 74.3 0.0 121.0

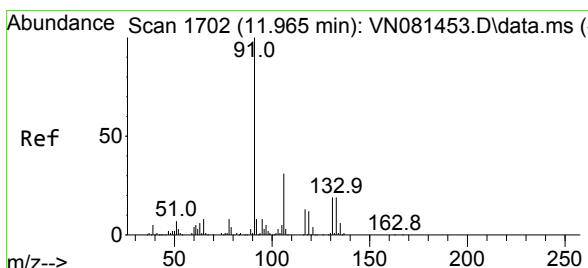
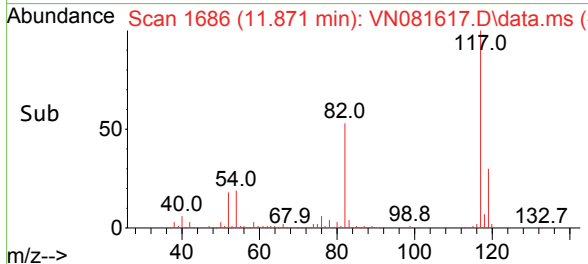
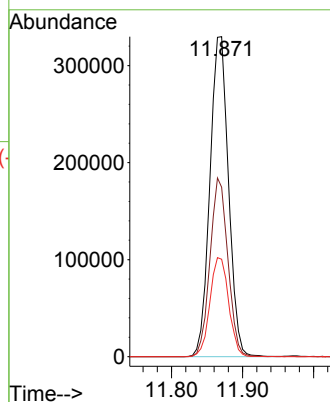
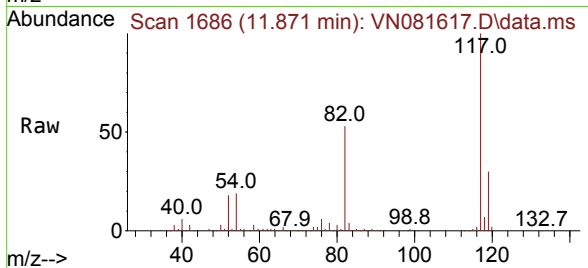




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

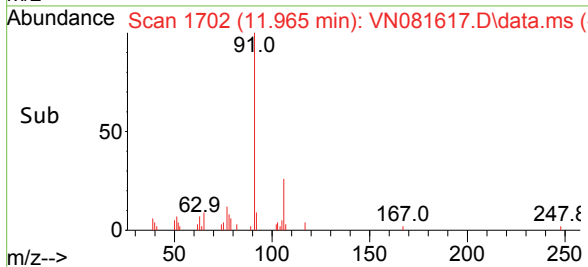
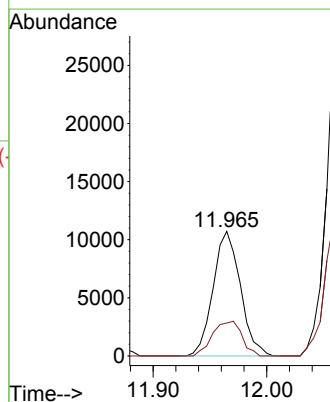
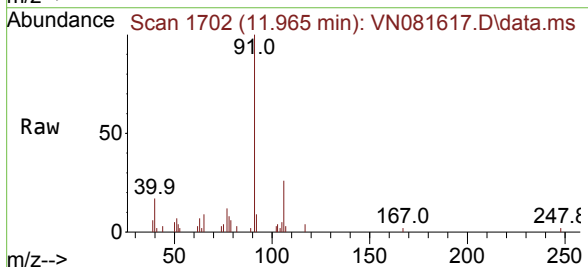
Instrument :
MSVOA_N
ClientSampleId :
S-16

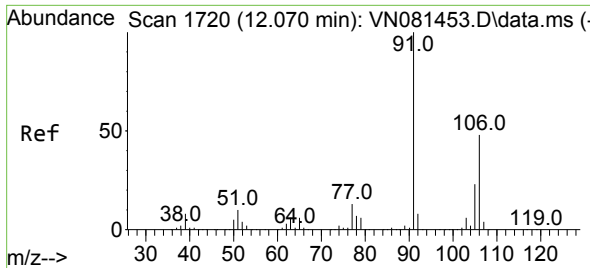
Tgt Ion:117 Resp: 599454
Ion Ratio Lower Upper
117 100
82 53.0 52.7 79.1
119 30.4 25.3 37.9



#67
Ethyl Benzene
Concen: 0.727 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 91 Resp: 17901
Ion Ratio Lower Upper
91 100
106 26.4 23.8 35.6

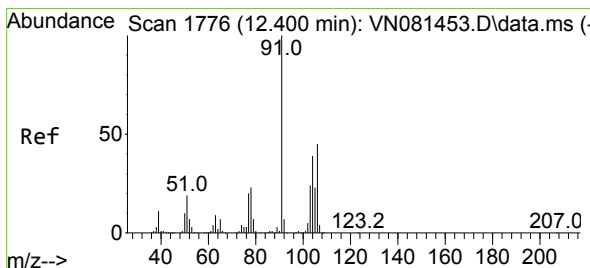
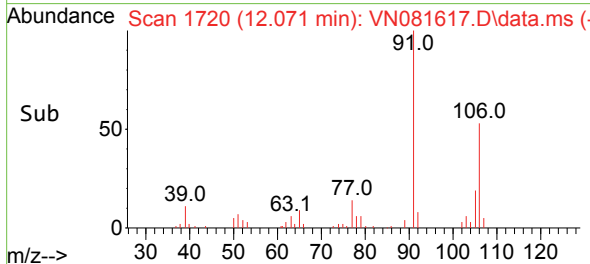
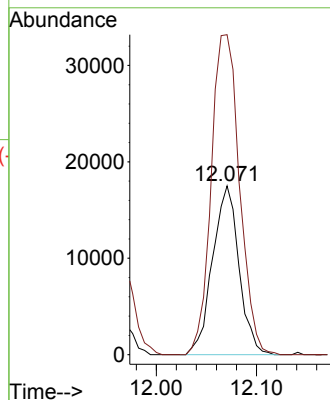
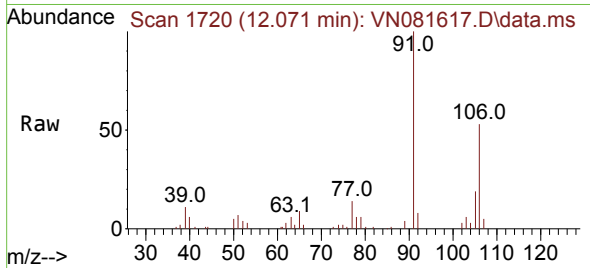




#68
m/p-Xylenes
Concen: 3.470 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

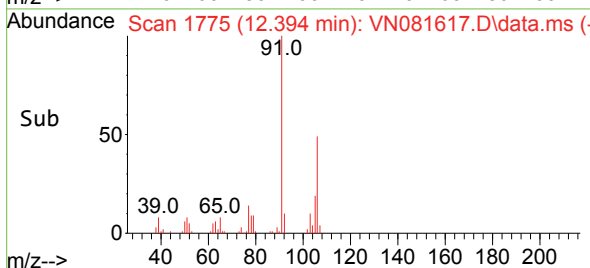
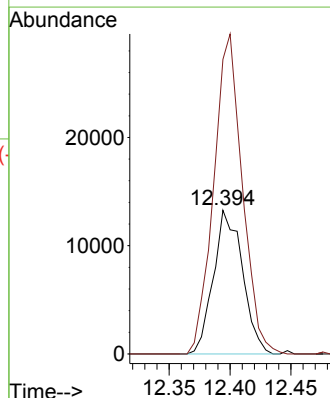
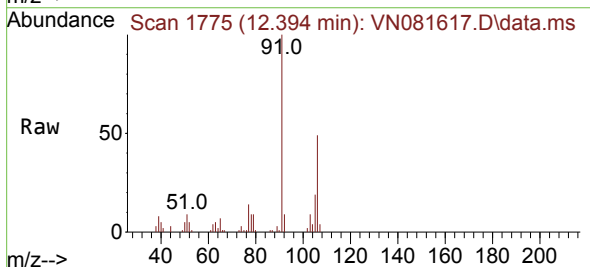
Instrument :
MSVOA_N
ClientSampleId :
S-16

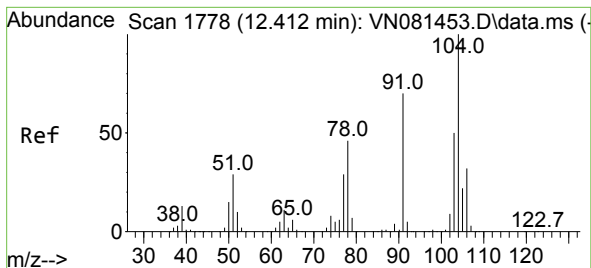
Tgt Ion:106 Resp: 32021
Ion Ratio Lower Upper
106 100
91 203.5 169.0 253.6



#69
o-Xylene
Concen: 2.431 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion:106 Resp: 22028
Ion Ratio Lower Upper
106 100
91 219.5 112.1 336.3





#70

Styrene

Concen: 0.269 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081617.D

Acq: 29 Mar 2024 15:53

Instrument :

MSVOA_N

ClientSampleId :

S-16

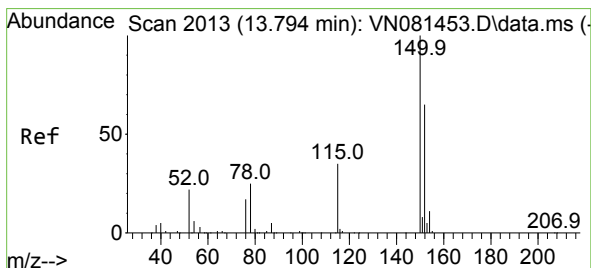
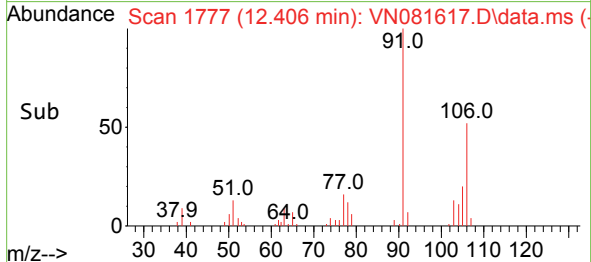
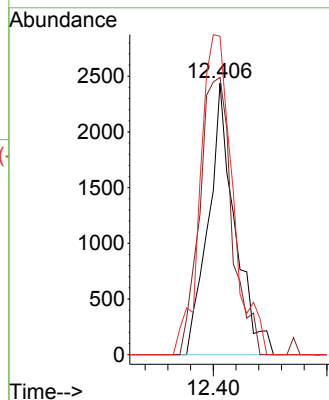
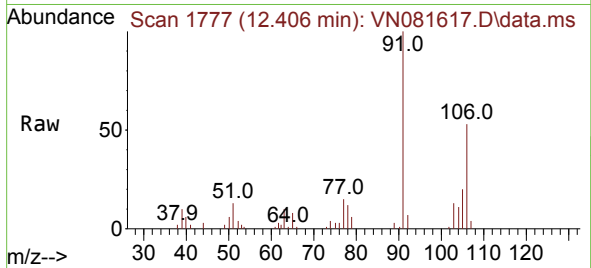
Tgt Ion:104 Resp: 3931

Ion Ratio Lower Upper

104 100

78 124.4 43.8 65.8#

103 144.6 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN081617.D

Acq: 29 Mar 2024 15:53

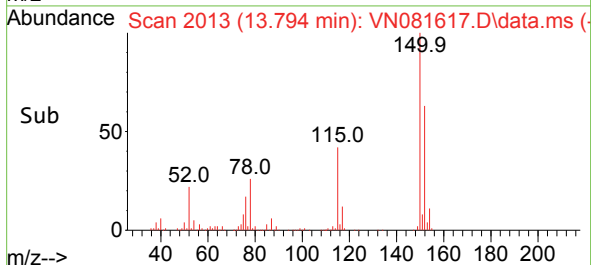
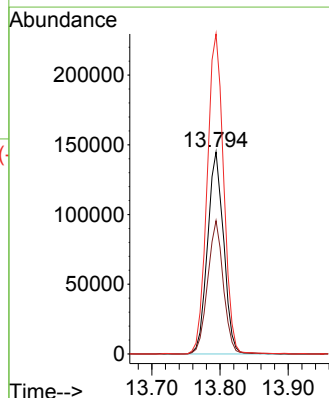
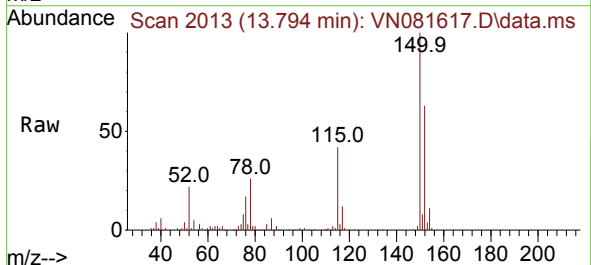
Tgt Ion:152 Resp: 238275

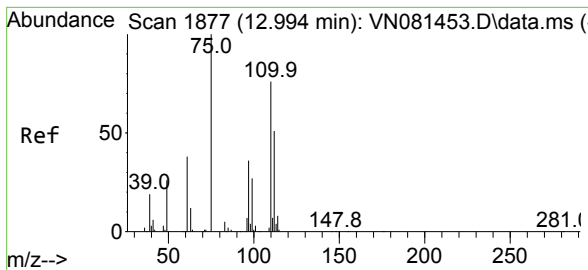
Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 162.3 0.0 339.8

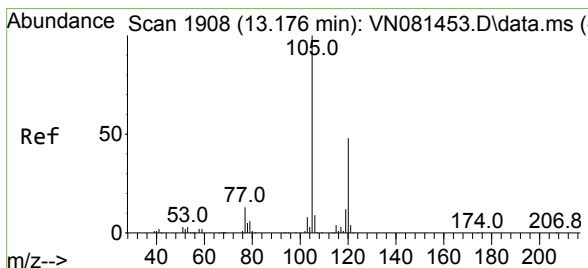
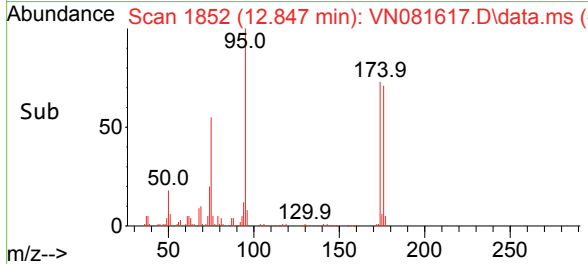
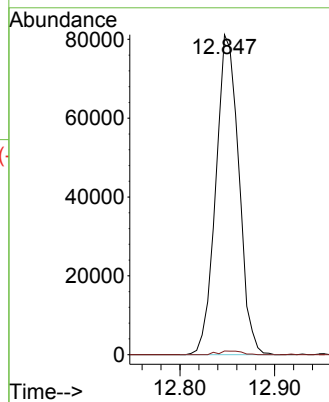
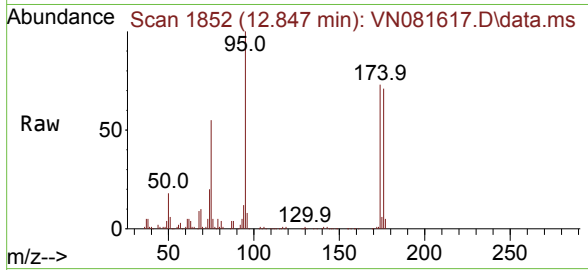




#76
1,2,3-Trichloropropane
Concen: 24.045 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

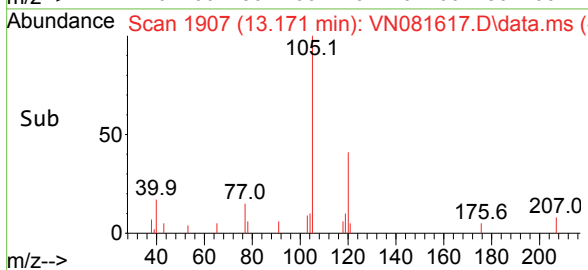
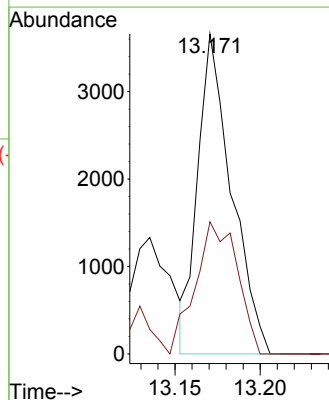
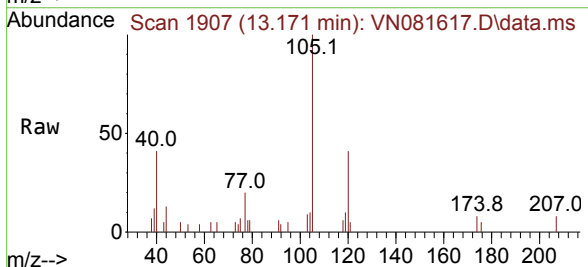
Instrument :
MSVOA_N
ClientSampleId :
S-16

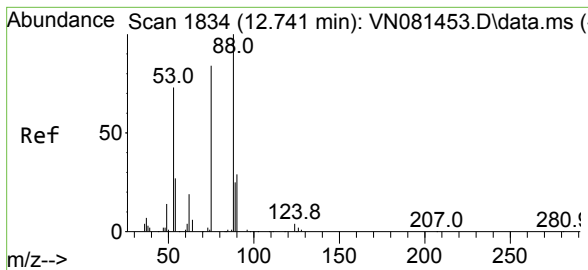
Tgt Ion: 75 Resp: 137046
Ion Ratio Lower Upper
75 100
77 1.2 91.0 272.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.300 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 105 Resp: 5039
Ion Ratio Lower Upper
105 100
120 51.3 23.0 69.0

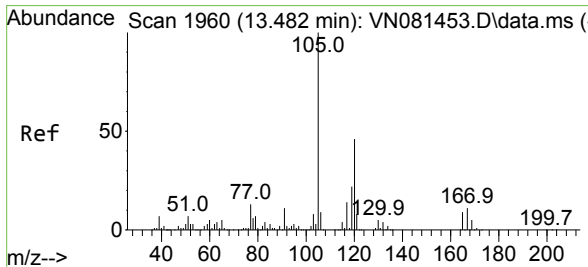
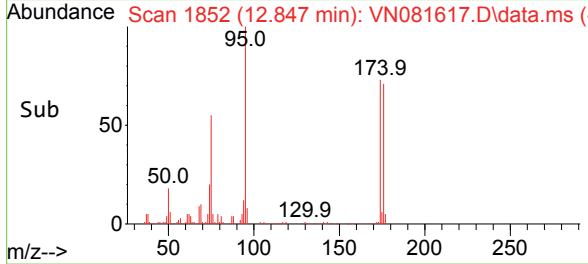
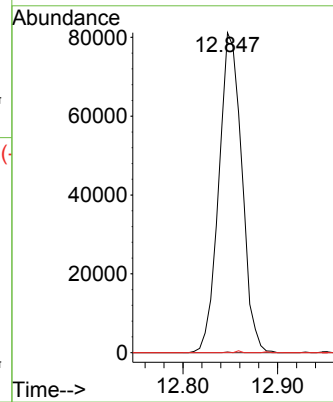
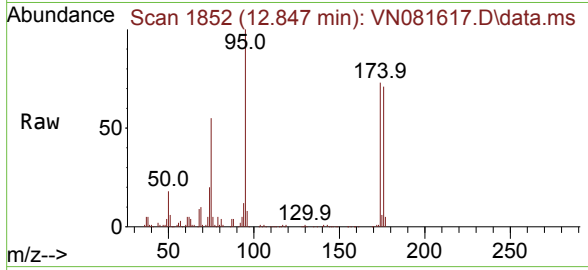




#81
trans-1,4-Dichloro-2-butene
Concen: 64.976 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

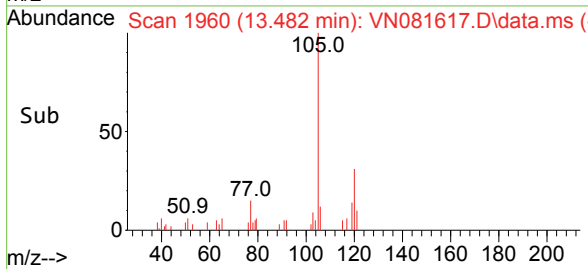
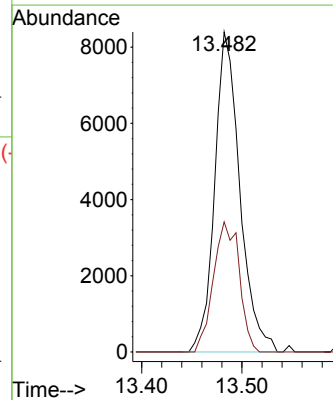
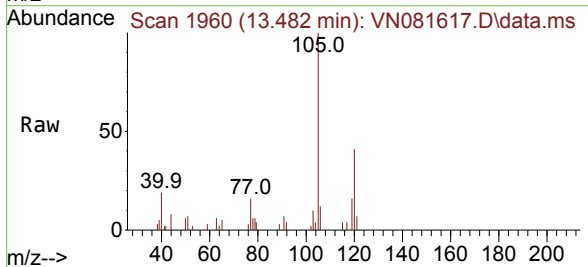
Instrument :
MSVOA_N
ClientSampleId :
S-16

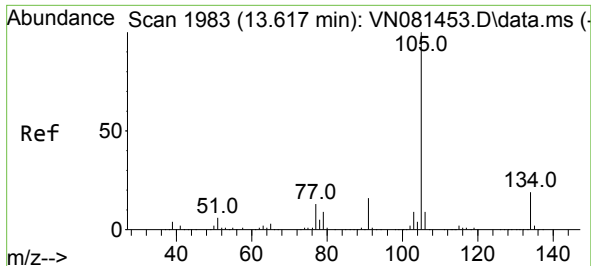
Tgt Ion: 75 Resp: 137046
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 0.868 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081617.D
Acq: 29 Mar 2024 15:53

Tgt Ion: 105 Resp: 14642
Ion Ratio Lower Upper
105 100
120 41.8 20.9 62.7

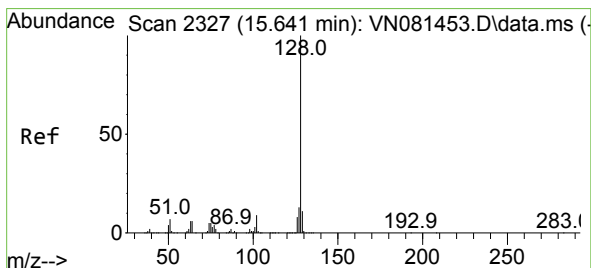
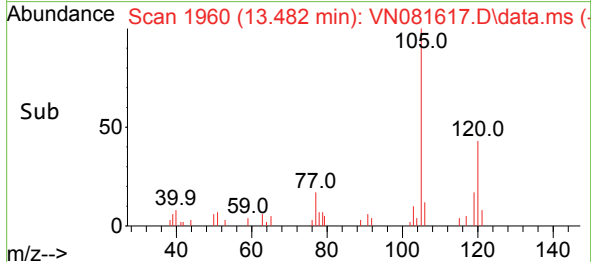
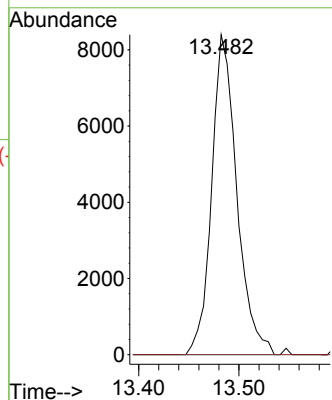
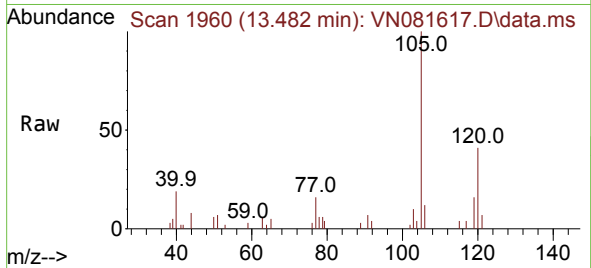




#85
 sec-Butylbenzene
 Concen: 0.708 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.135 min
 Lab File: VN081617.D
 Acq: 29 Mar 2024 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 S-16

Tgt Ion:105 Resp: 14642
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8#



#95
 Naphthalene
 Concen: 9.629 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN081617.D
 Acq: 29 Mar 2024 15:53

Tgt Ion:128 Resp: 160072
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.0 15.0
 129 10.9 8.7 13.1

