

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075317.D
 Acq On : 18 Nov 2022 17:05
 Operator : JC\MD
 Sample : PB149142ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:09:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

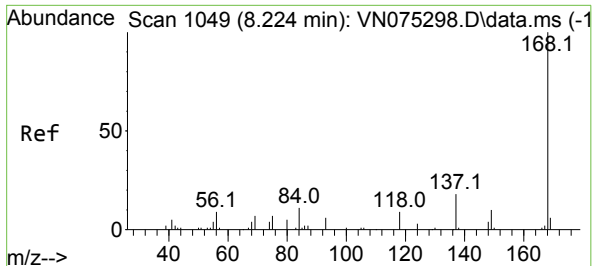
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	153637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	280035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	100482	48.540	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.080%		
35) Dibromofluoromethane	8.171	113	85124	51.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.560%		
50) Toluene-d8	10.565	98	332785	52.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.360%		
62) 4-Bromofluorobenzene	12.847	95	108414	48.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.780%		
Target Compounds						Qvalue
5) Bromomethane	2.948	94	131	Below Cal	#	5
8) Diethyl Ether	3.983	74	2160	1.914	ug/l	98
11) Tert butyl alcohol	5.512	59	600	1.243	ug/l #	72
16) Acetone	4.436	43	49295	56.239	ug/l	95
18) Methyl Acetate	5.047	43	2507	0.876	ug/l #	81
20) Methylene Chloride	5.289	84	15299	7.828	ug/l	90
25) 2-Butanone	7.500	43	1757	1.274	ug/l #	87
31) Cyclohexane	8.230	56	3214	1.044	ug/l #	35
36) 1,1-Dichloropropene	8.224	75	11938	4.691	ug/l #	50
37) Ethyl Acetate	7.565	43	21556	7.723	ug/l	99
38) Carbon Tetrachloride	8.230	117	16344	5.838	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	587	0.207	ug/l #	75
43) Isopropyl Acetate	8.694	43	102498	23.674	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1196	0.645	ug/l #	42
48) Methyl methacrylate	9.665	41	2747	1.383	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	3493	1.250	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	39544	12.624	ug/l #	63
56) Ethyl methacrylate	10.976	69	931	0.295	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5279	1.535	ug/l #	42
59) 2-Hexanone	11.171	43	84496	39.849	ug/l #	21
71) Bromoform	12.853	173	831	0.535	ug/l #	1
74) N-amyl acetate	12.482	43	1093	0.343	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	56861	24.919	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56861	63.968	ug/l #	10
88) 1,4-Dichlorobenzene	13.806	146	912	0.248	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.394	180	410	0.258	ug/l	91
95) Naphthalene	15.635	128	3916	0.640	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	785	0.497	ug/l	70

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

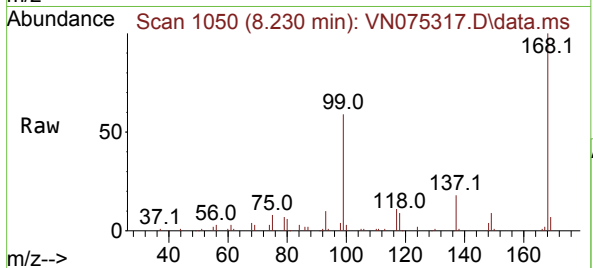
Quant Time: Nov 19 05:09:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



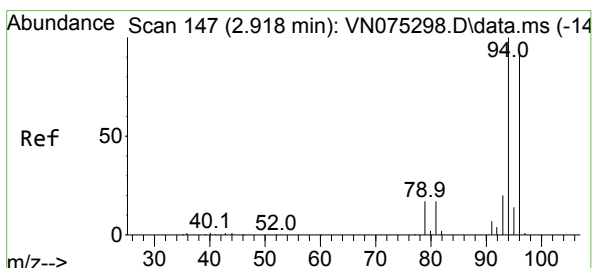
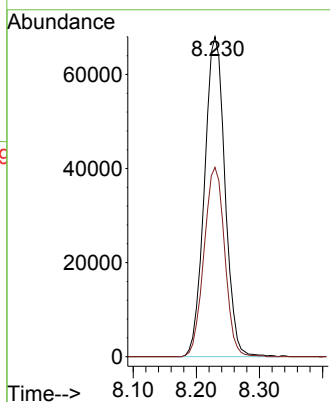
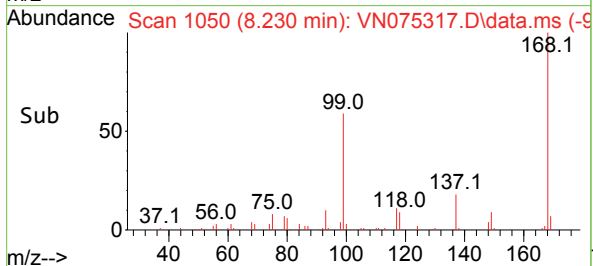


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :

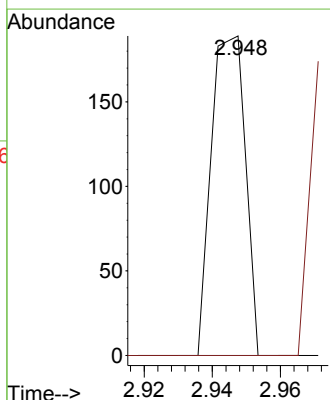
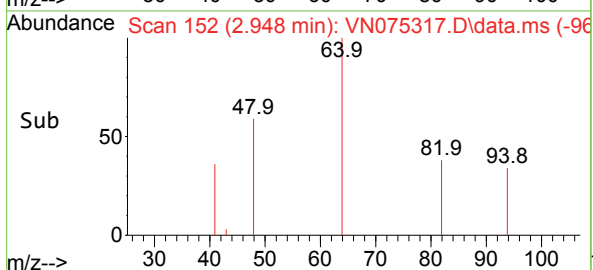
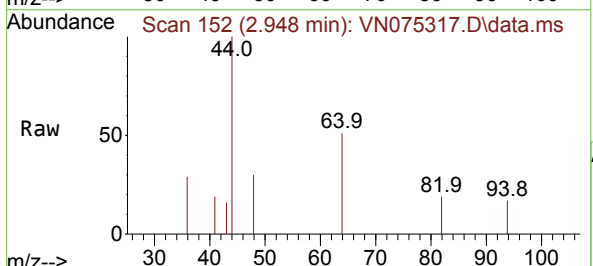


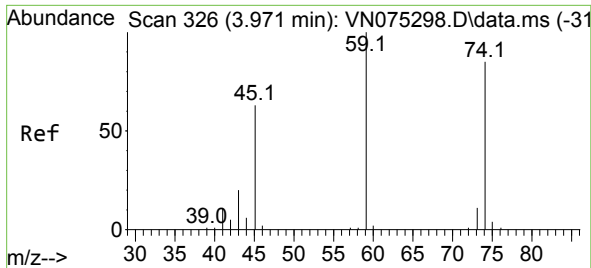
Tgt Ion:168 Resp: 153637
Ion Ratio Lower Upper
168 100
99 59.2 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.948 min Scan# 152
Delta R.T. 0.030 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#





#8
Diethyl Ether

Concen: 1.914 ug/l

RT: 3.983 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN075317.D

Acq: 18 Nov 2022 17:05

Instrument :

MSVOA_N

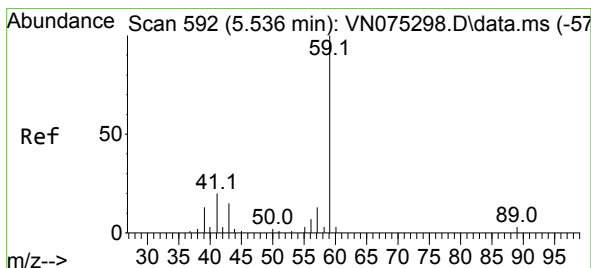
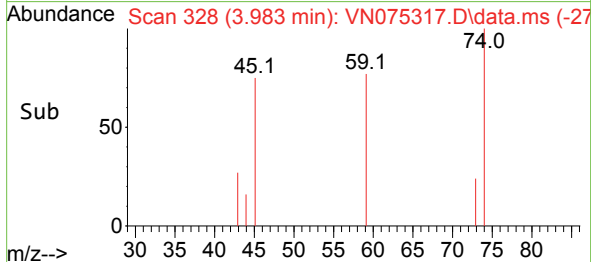
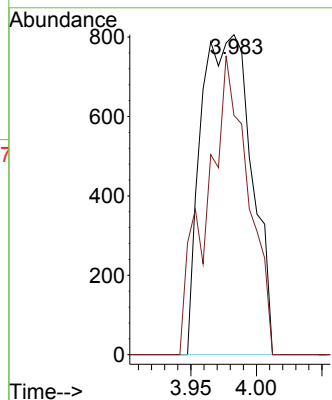
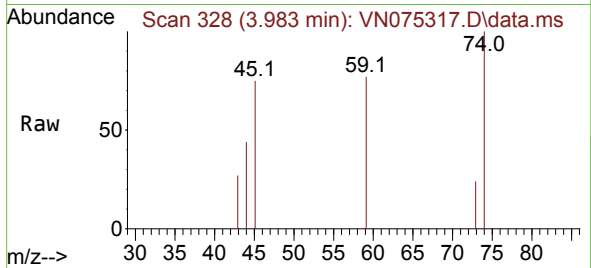
ClientSampleId :

Tgt Ion: 74 Resp: 2160

Ion Ratio Lower Upper

74 100

45 76.9 39.3 117.9



#11

Tert butyl alcohol

Concen: 1.243 ug/l

RT: 5.512 min Scan# 588

Delta R.T. -0.030 min

Lab File: VN075317.D

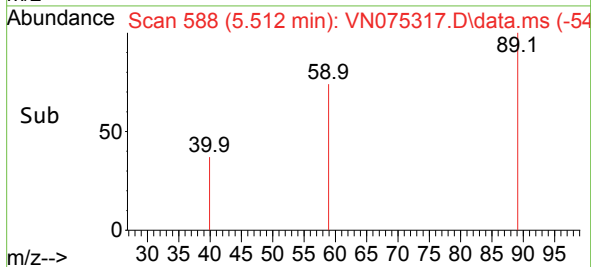
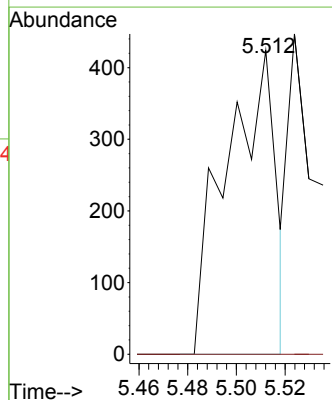
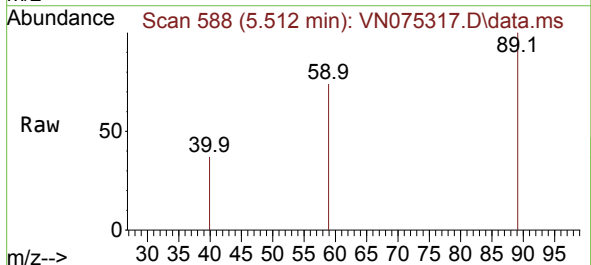
Acq: 18 Nov 2022 17:05

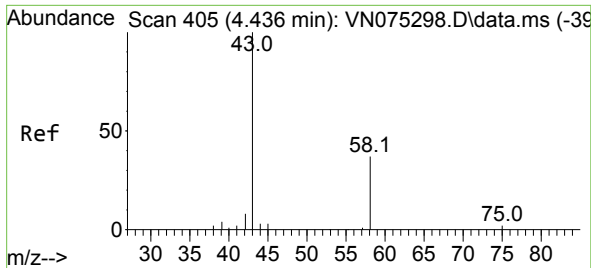
Tgt Ion: 59 Resp: 600

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

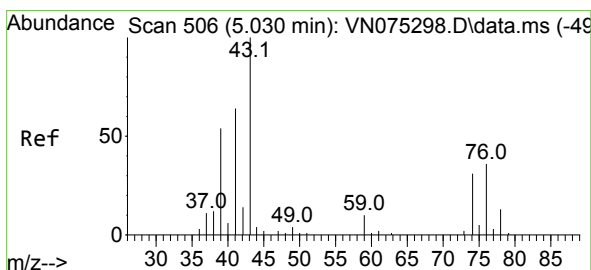
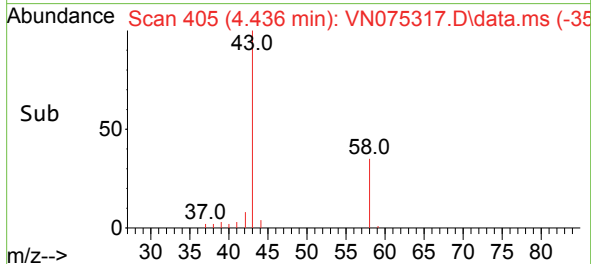
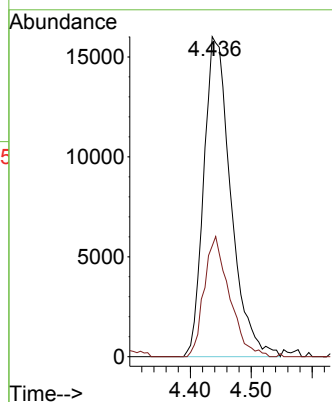
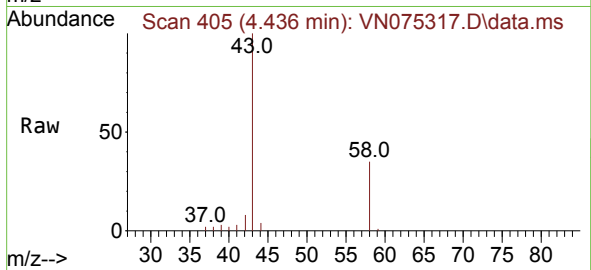




#16
Acetone
Concen: 56.239 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

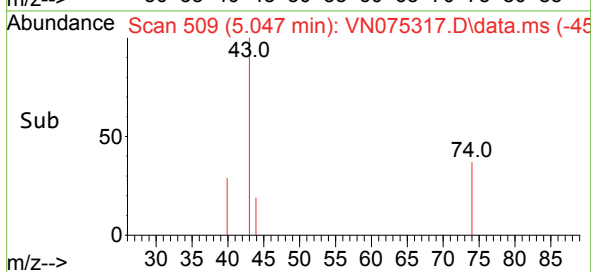
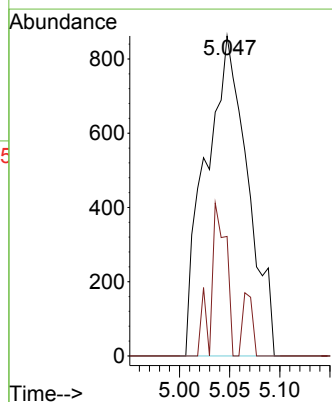
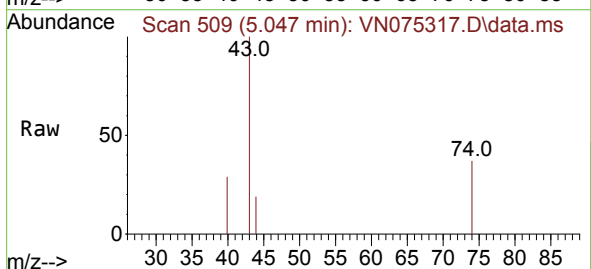
Instrument :
MSVOA_N
ClientSampleId :

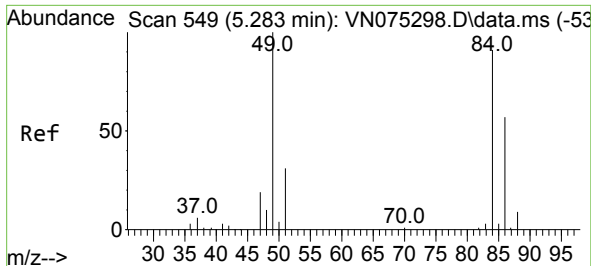
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.6	25.5	38.3



#18
Methyl Acetate
Concen: 0.876 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

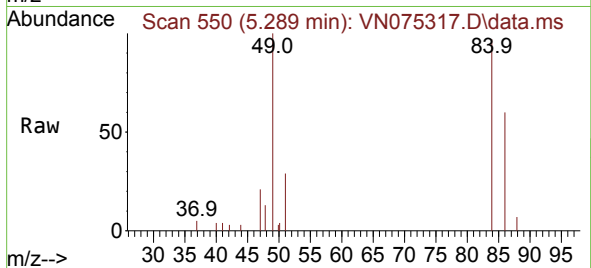
Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.4	22.0	33.0



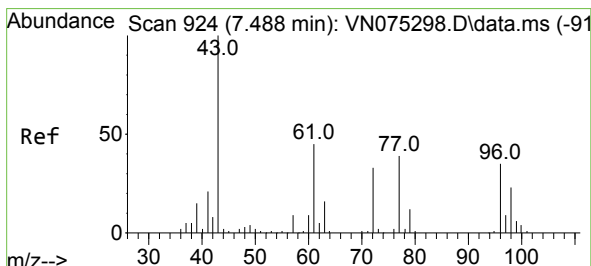
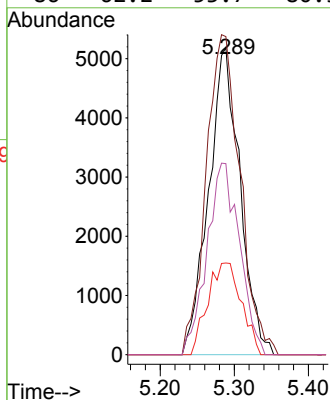
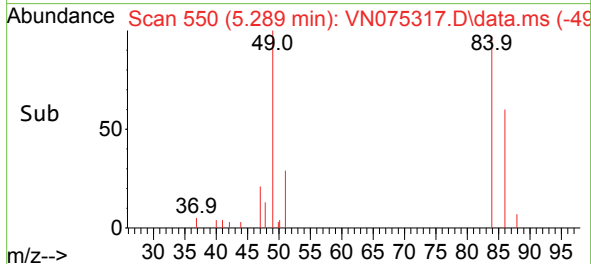


#20
Methylene Chloride
Concen: 7.828 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

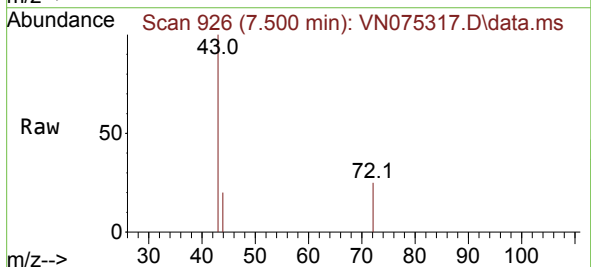
Instrument :
MSVOA_N
ClientSampleId :



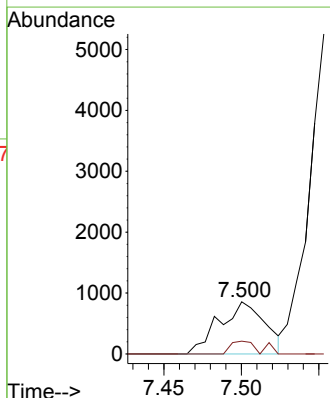
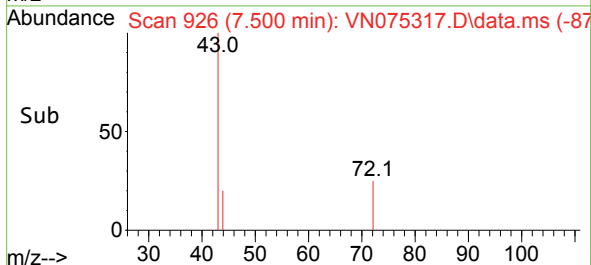
Tgt Ion:	84	Resp:	15299
Ion	Ratio	Lower	Upper
84	100		
49	103.6	94.9	142.3
51	29.9	26.8	40.2
86	62.2	53.7	80.5

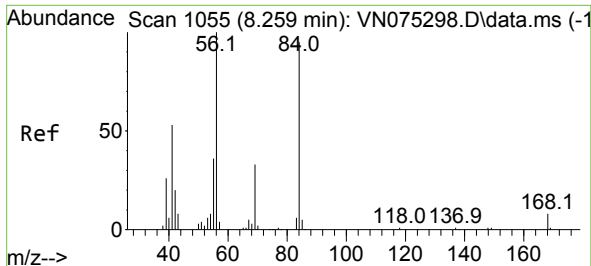


#25
2-Butanone
Concen: 1.274 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05



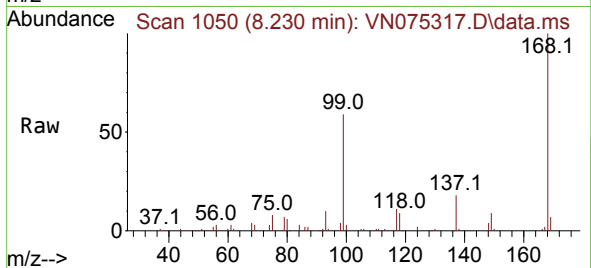
Tgt Ion:	43	Resp:	1757
Ion	Ratio	Lower	Upper
43	100		
72	24.5	25.5	38.3#



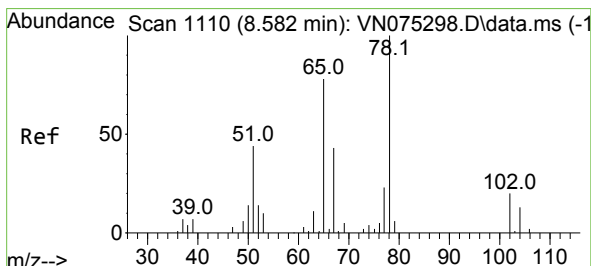
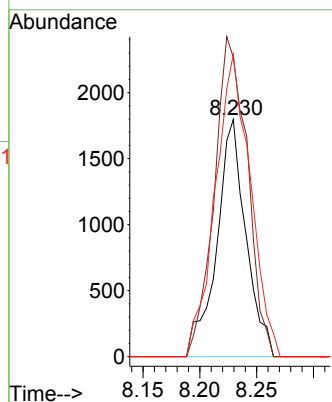
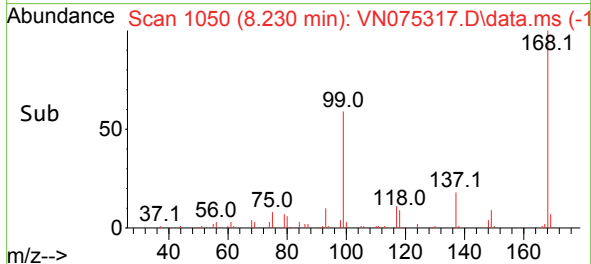


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :

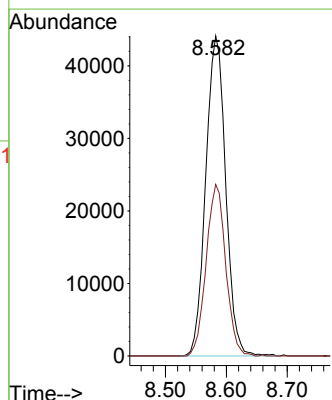
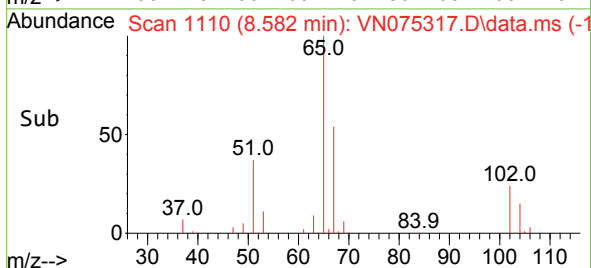
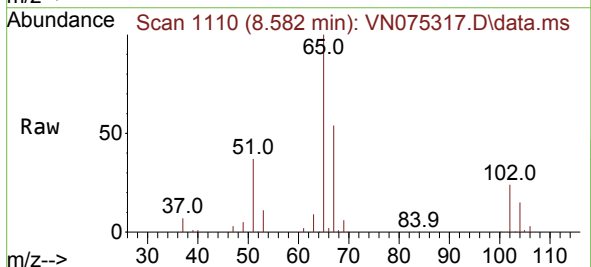


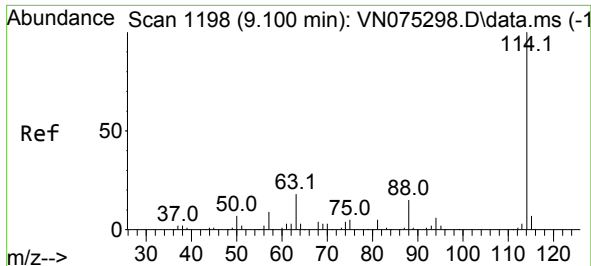
Tgt Ion: 56 Resp: 3214
Ion Ratio Lower Upper
56 100
69 126.2 25.2 37.8#
84 127.5 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 48.540 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 65 Resp: 100482
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1198

Delta R.T. -0.000 min

Lab File: VN075317.D

Acq: 18 Nov 2022 17:05

Instrument :

MSVOA_N

ClientSampleId :

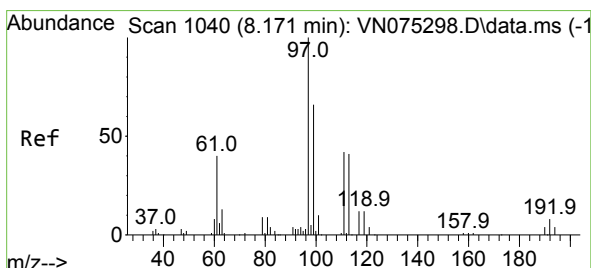
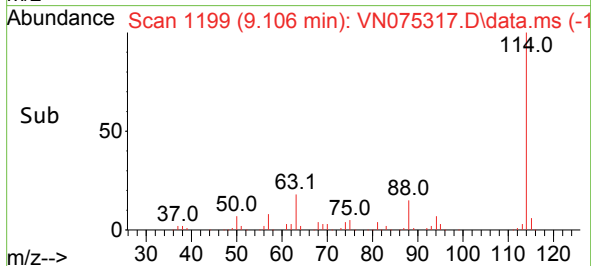
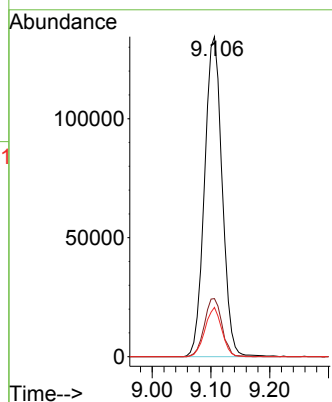
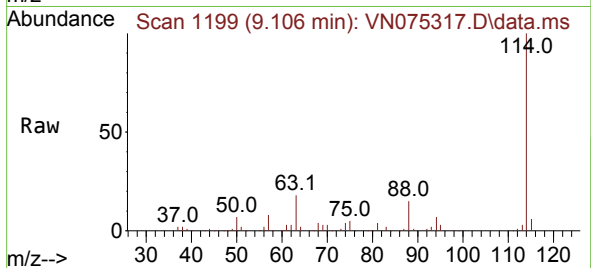
Tgt Ion:114 Resp: 280035

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.780 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075317.D

Acq: 18 Nov 2022 17:05

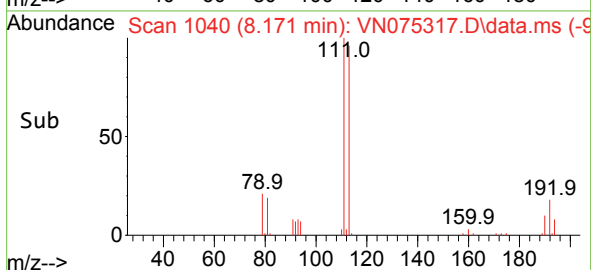
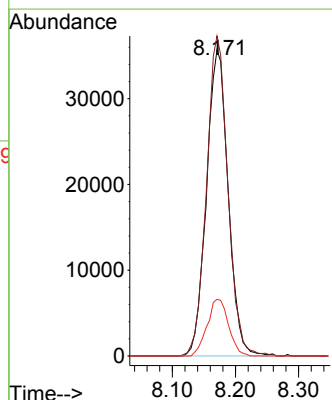
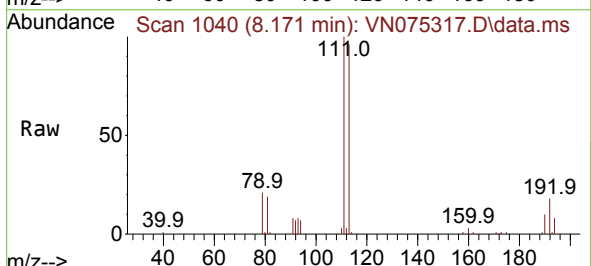
Tgt Ion:113 Resp: 85124

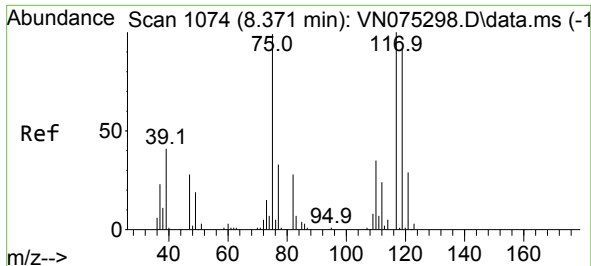
Ion Ratio Lower Upper

113 100

111 103.2 80.5 120.7

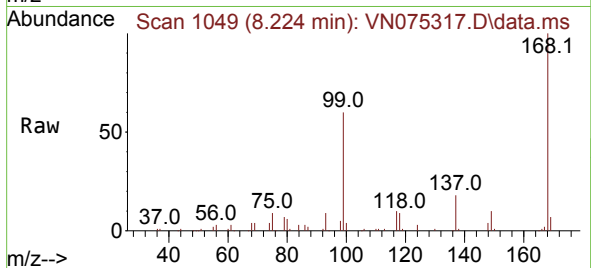
192 18.3 13.2 19.8



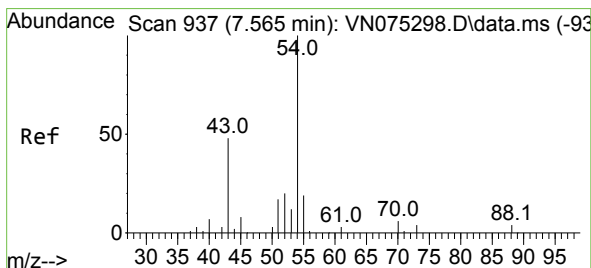
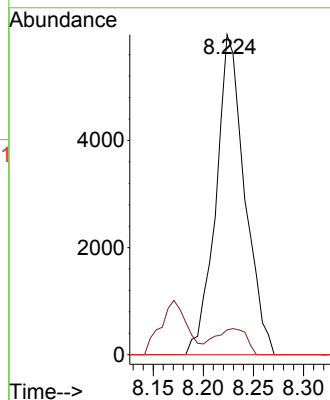
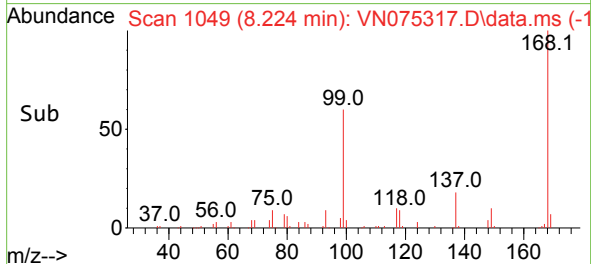


#36
1,1-Dichloropropene
Concen: 4.691 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

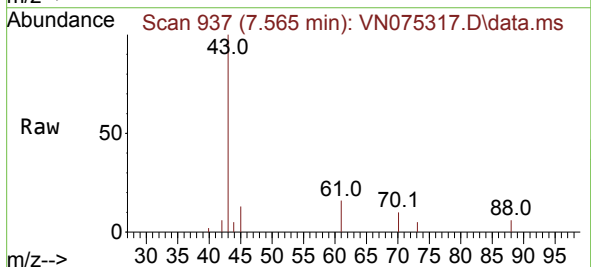
Instrument :
MSVOA_N
ClientSampleId :



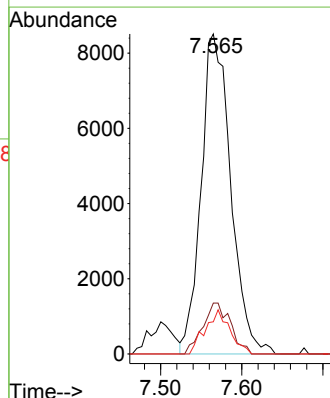
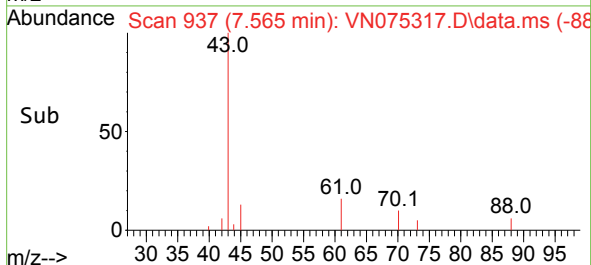
Tgt Ion: 75 Resp: 11938
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.6 37.0#

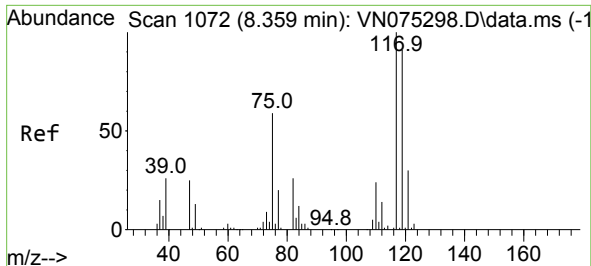


#37
Ethyl Acetate
Concen: 7.723 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05



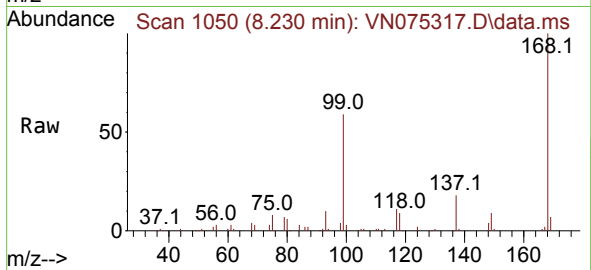
Tgt Ion: 43 Resp: 21556
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.4
70 11.5 9.4 14.2



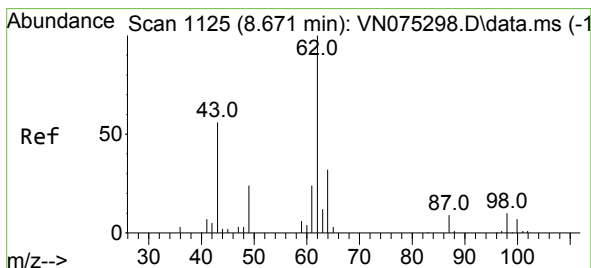
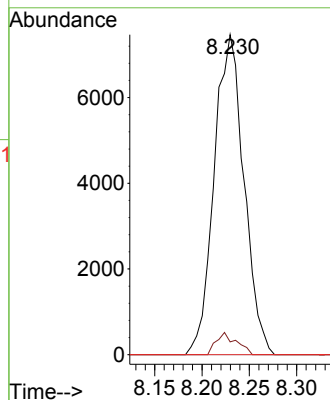
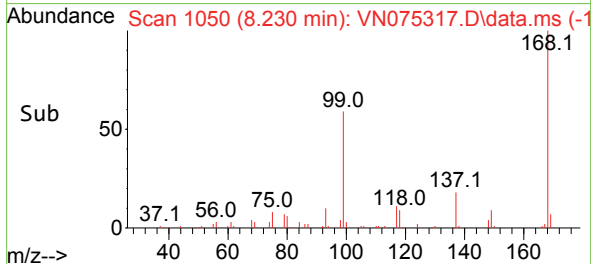


#38
Carbon Tetrachloride
Concen: 5.838 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :

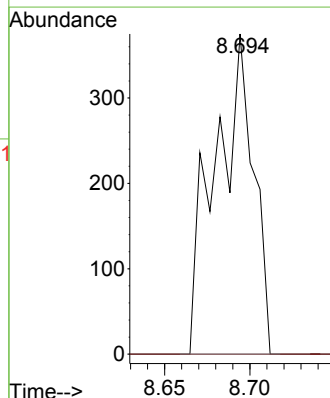
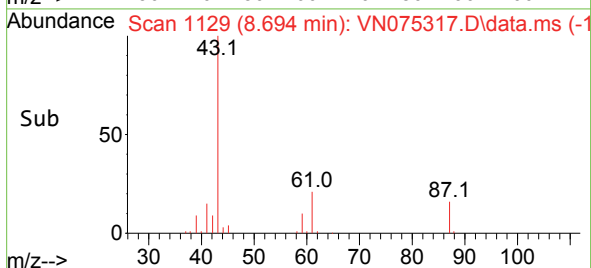
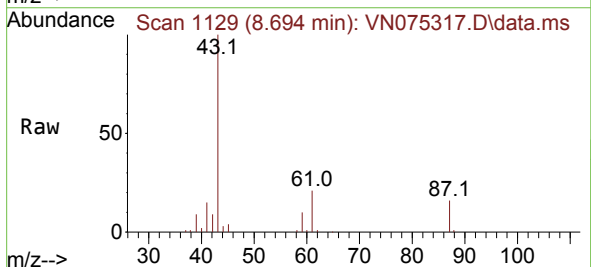


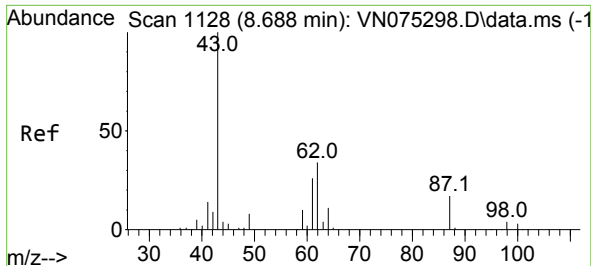
Tgt Ion:117 Resp: 16344
Ion Ratio Lower Upper
117 100
119 4.0 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.207 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 62 Resp: 587
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

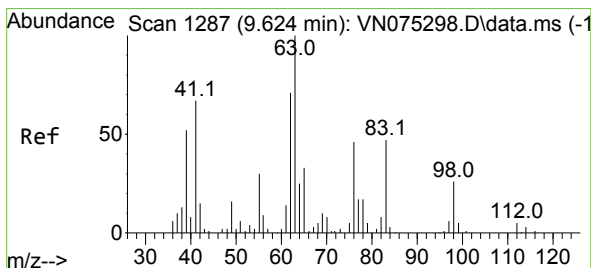
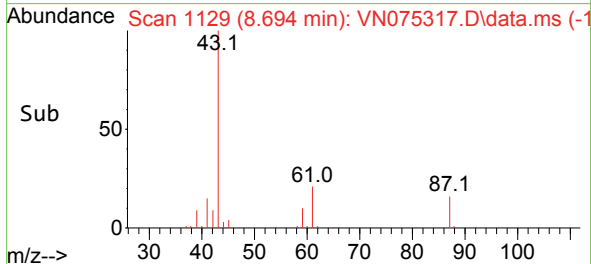
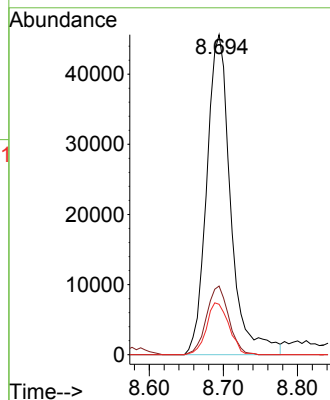
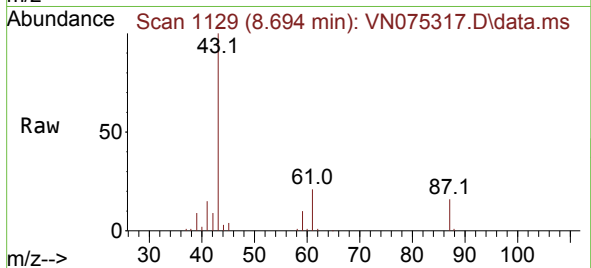




#43
Isopropyl Acetate
Concen: 23.674 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

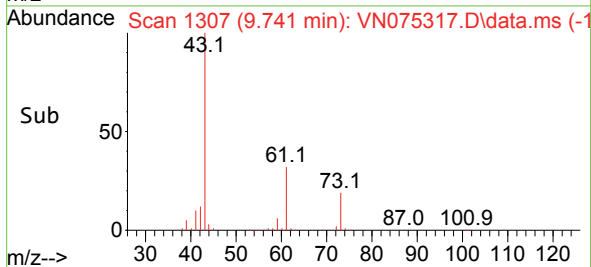
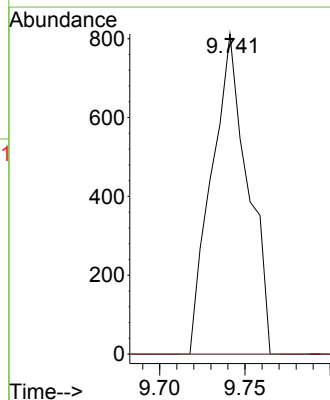
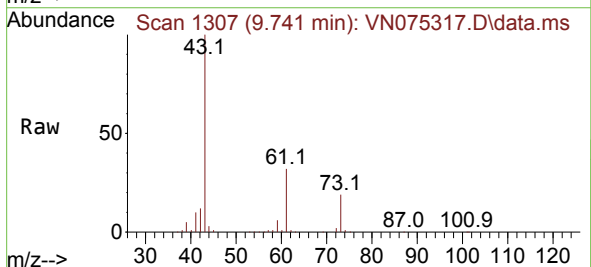
Instrument :
MSVOA_N
ClientSampleId :

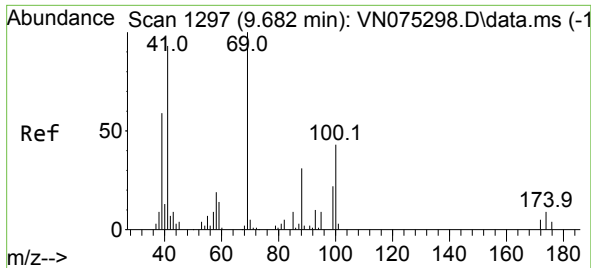
Tgt Ion: 43 Resp: 102498
Ion Ratio Lower Upper
43 100
61 19.9 22.4 33.6#
87 15.2 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.645 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

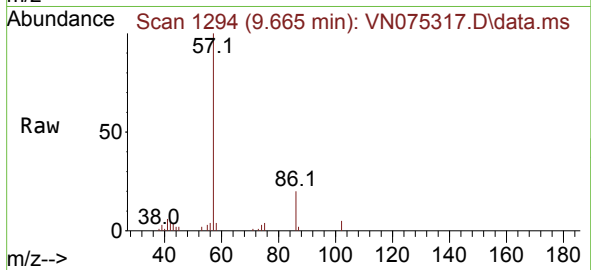
Tgt Ion: 63 Resp: 1196
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



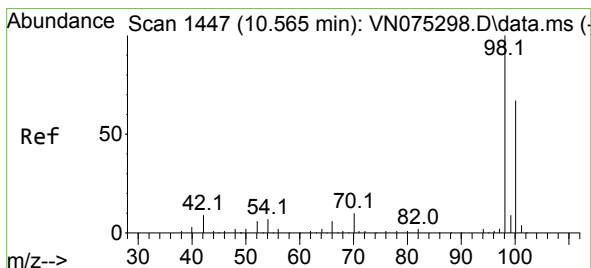
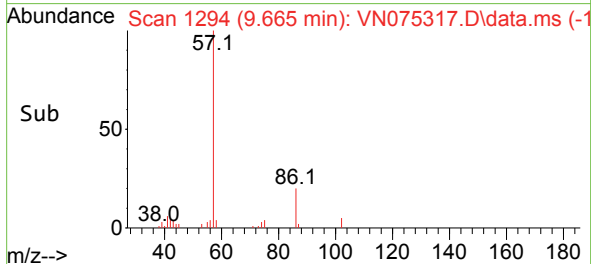
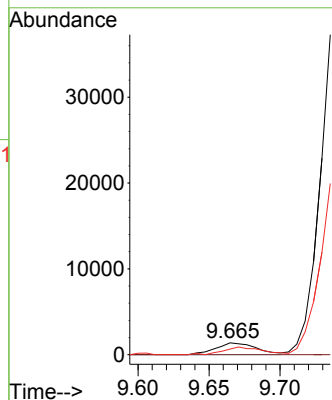


#48
Methyl methacrylate
Concen: 1.383 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.017 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :

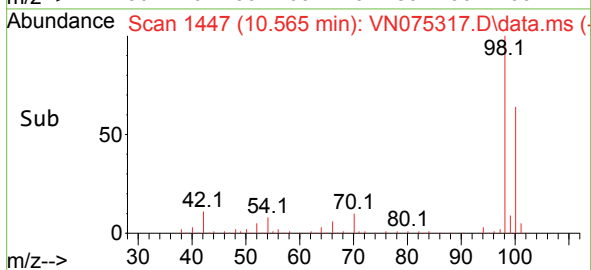
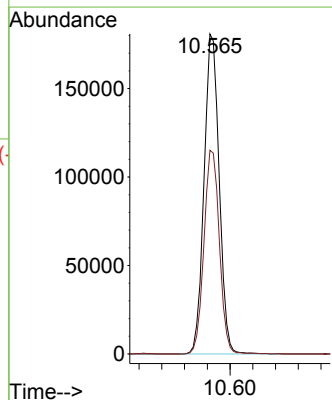
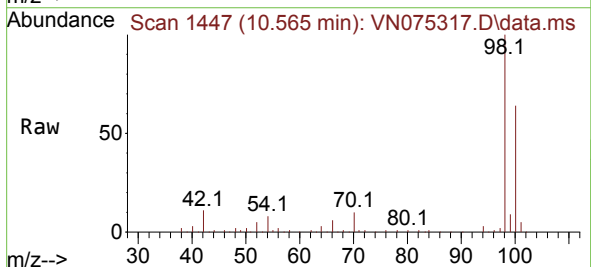


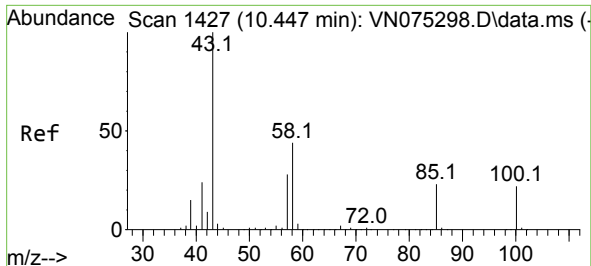
Tgt Ion: 41 Resp: 2747
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 62.3 56.2 84.2



#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 98 Resp: 332785
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6

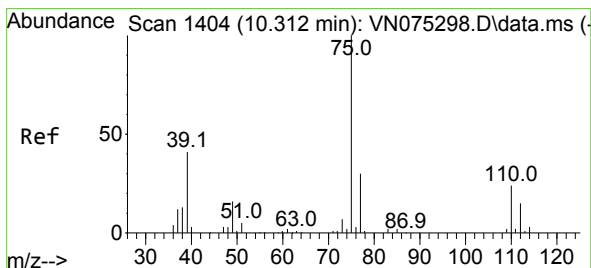
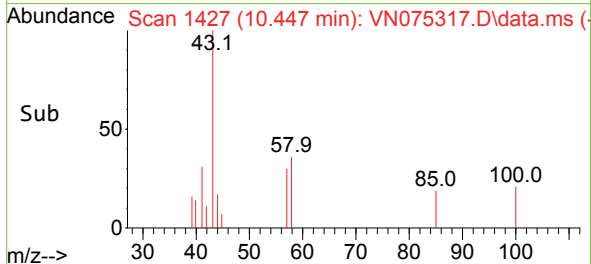
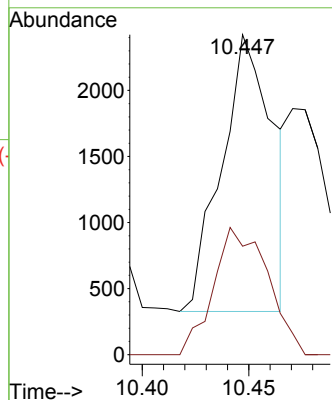
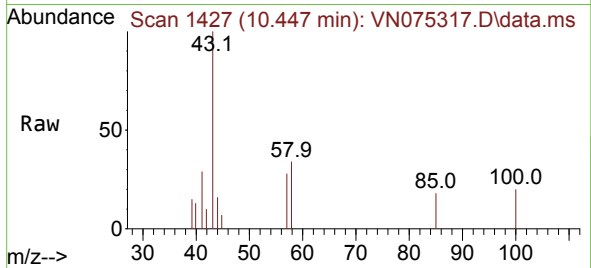




#51
4-Methyl-2-Pentanone
Concen: 1.250 ug/l
RT: 10.447 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

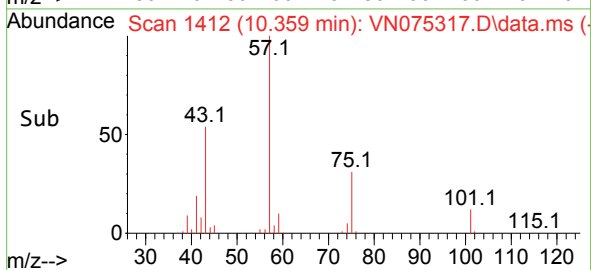
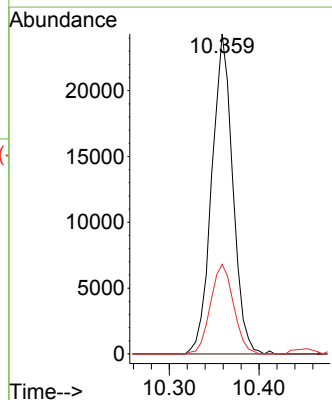
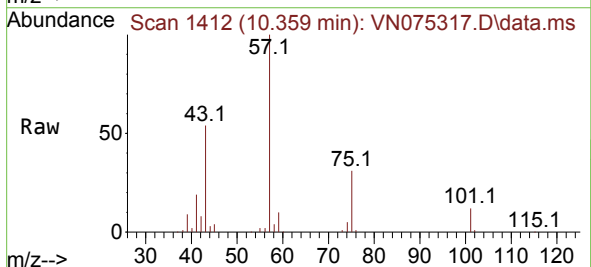
Instrument :
MSVOA_N
ClientSampleId :

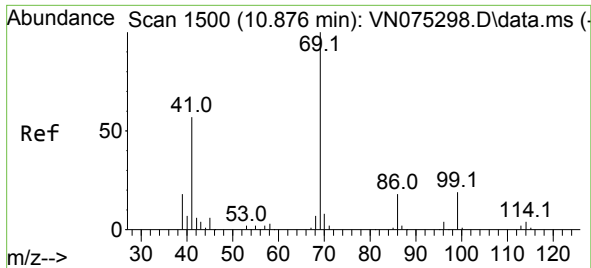
Tgt Ion: 43 Resp: 3493
Ion Ratio Lower Upper
43 100
58 48.8 33.6 50.4



#54
cis-1,3-Dichloropropene
Concen: 12.624 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 75 Resp: 39544
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 28.0 35.8 53.6#

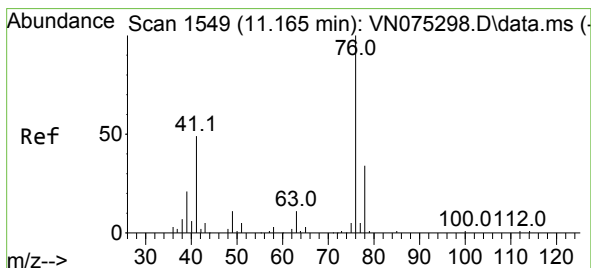
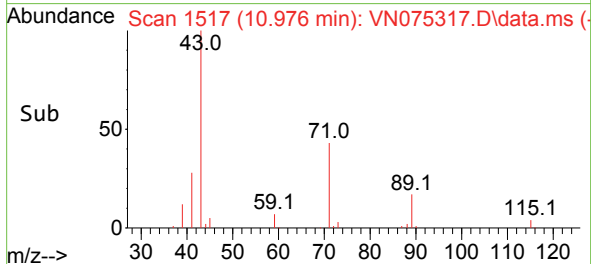
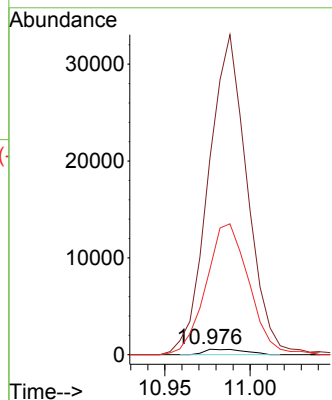
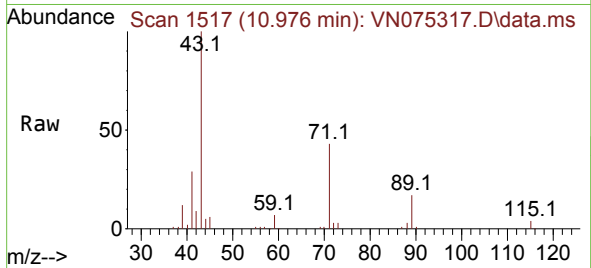




#56
Ethyl methacrylate
Concen: 0.295 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.099 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

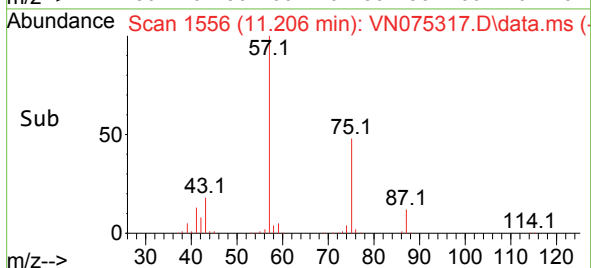
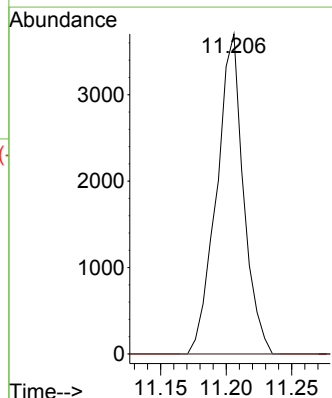
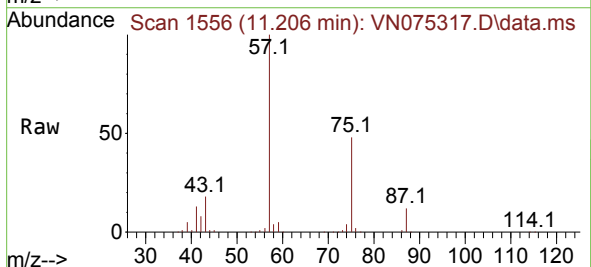
Instrument :
MSVOA_N
ClientSampleId :

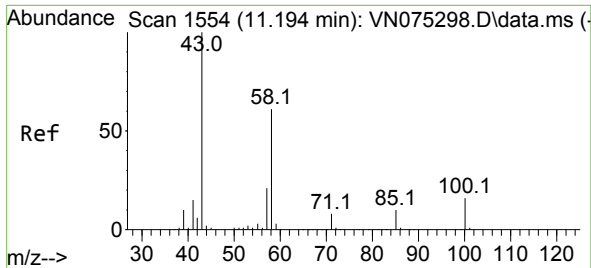
Tgt Ion: 69 Resp: 931
Ion Ratio Lower Upper
69 100
41 5652.4 45.6 68.4#
39 2551.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.535 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion: 76 Resp: 5279
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

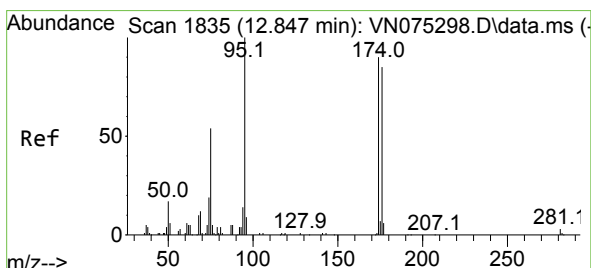
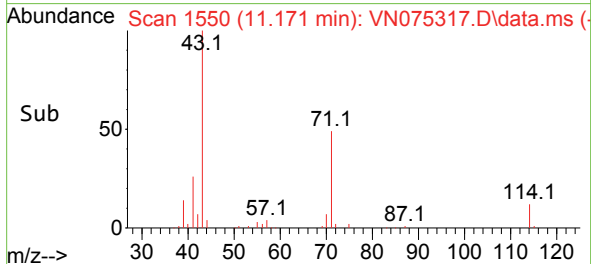
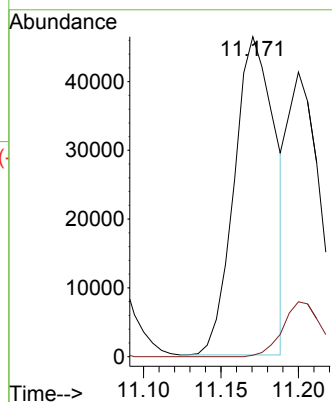
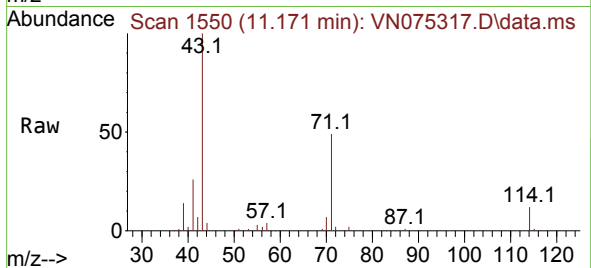




#59
2-Hexanone
Concen: 39.849 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

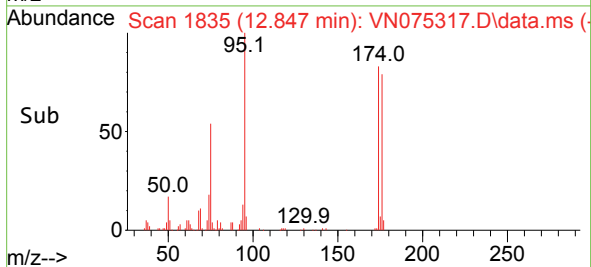
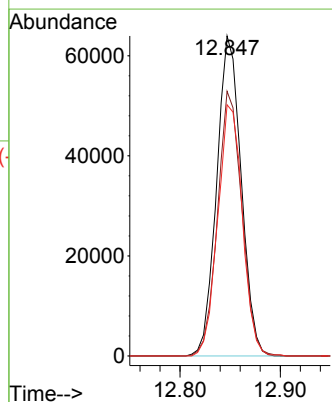
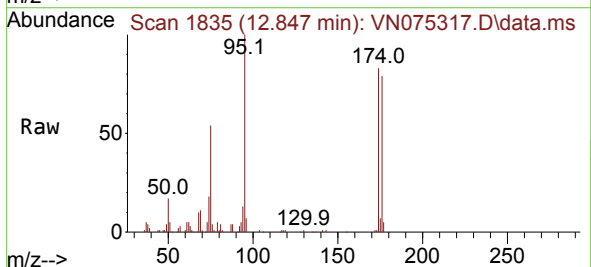
Instrument :
MSVOA_N
ClientSampleId :

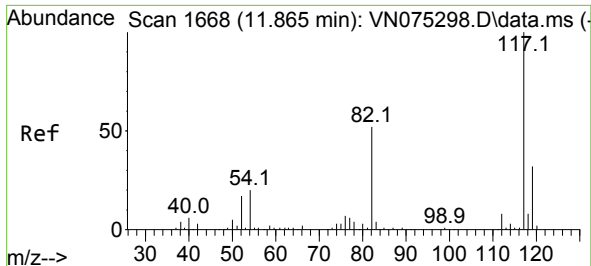
Tgt Ion: 43 Resp: 84496
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.388 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

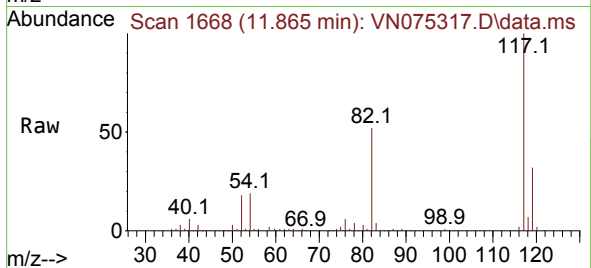
Tgt Ion: 95 Resp: 108414
Ion Ratio Lower Upper
95 100
174 82.1 0.0 147.4
176 78.8 0.0 142.2



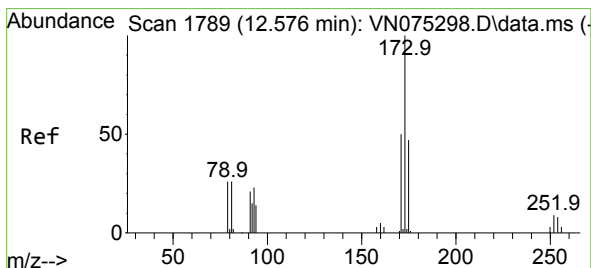
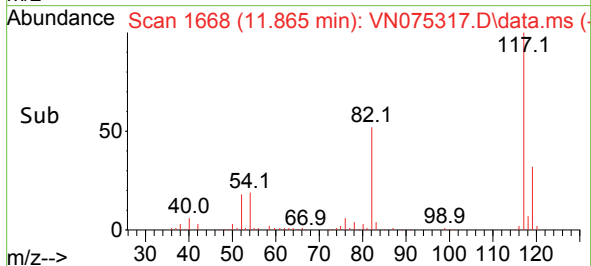
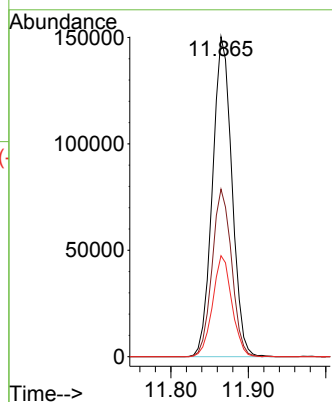


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :

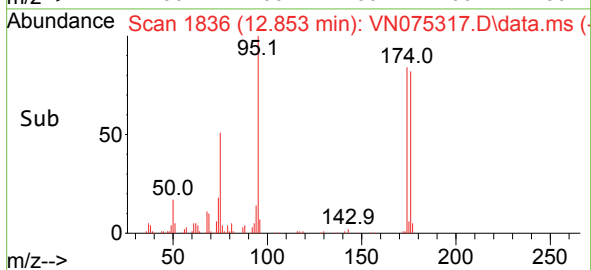
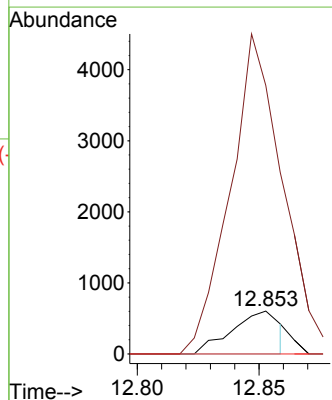
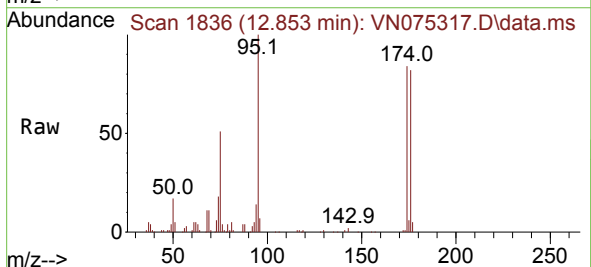


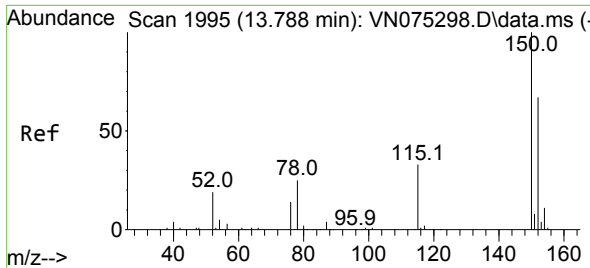
Tgt Ion:117 Resp: 261971
Ion Ratio Lower Upper
117 100
82 52.4 43.1 64.7
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.535 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion:173 Resp: 831
Ion Ratio Lower Upper
173 100
175 700.5 24.6 74.0#
254 0.0 0.0 0.0

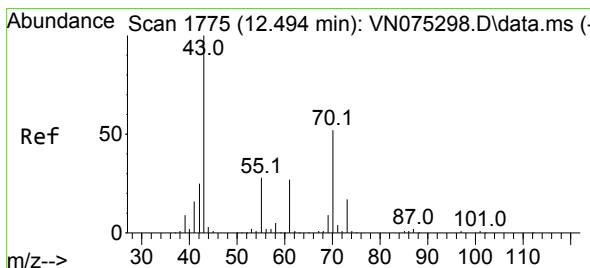
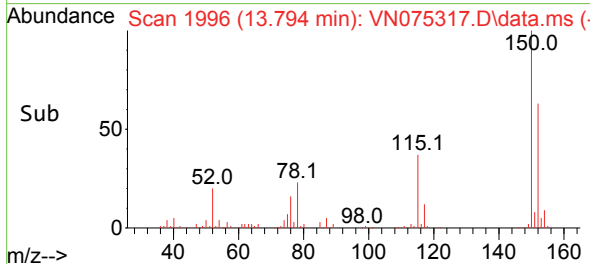
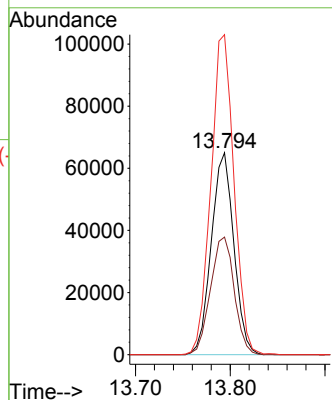
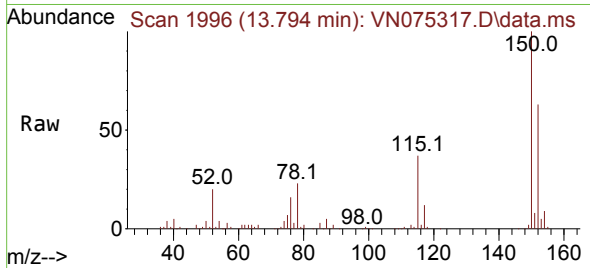




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: VN075317.D
 Acq: 18 Nov 2022 17:05

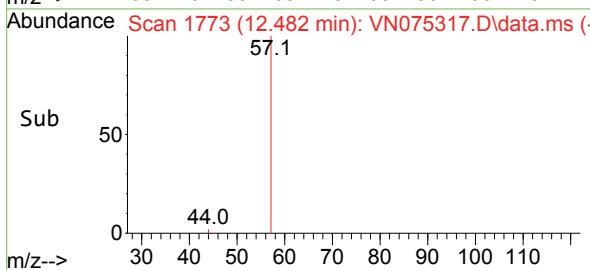
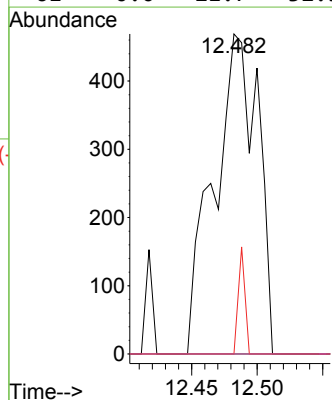
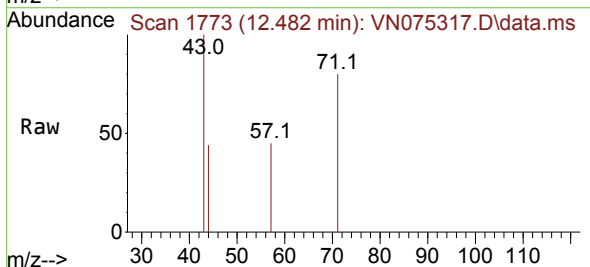
Instrument :
 MSVOA_N
 ClientSampleId :

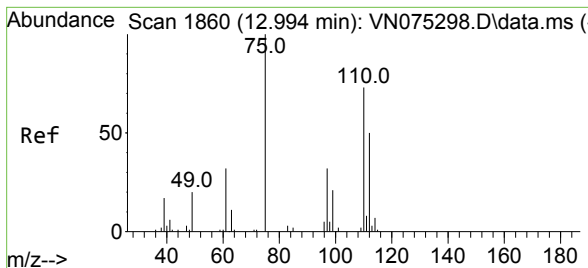
Tgt Ion:152 Resp: 107466
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.2 90.6
 150 162.2 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.343 ug/l
 RT: 12.482 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: VN075317.D
 Acq: 18 Nov 2022 17:05

Tgt Ion: 43 Resp: 1093
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.8 59.8#
 55 5.0 19.9 29.9#
 61 0.0 21.7 32.5#





#76

1,2,3-Trichloropropane

Concen: 24.919 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075317.D

Acq: 18 Nov 2022 17:05

Instrument :

MSVOA_N

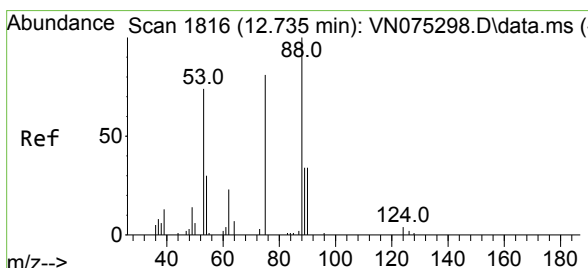
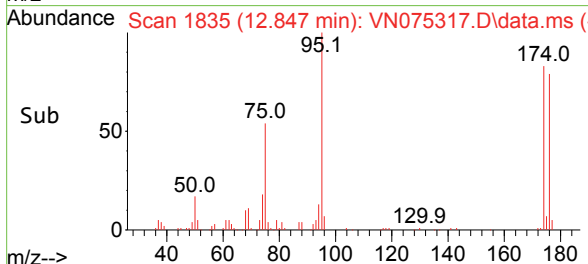
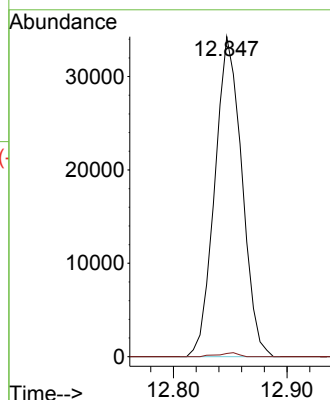
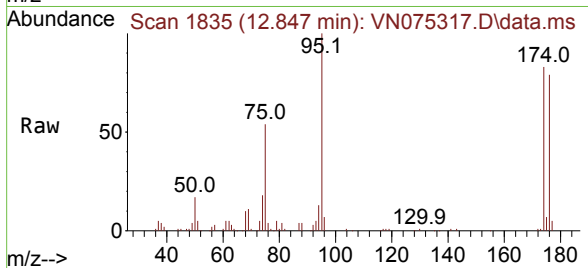
ClientSampleId :

Tgt Ion: 75 Resp: 56861

Ion Ratio Lower Upper

75 100

77 0.9 75.6 226.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.968 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.106 min

Lab File: VN075317.D

Acq: 18 Nov 2022 17:05

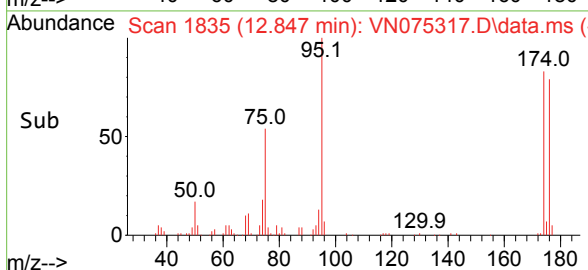
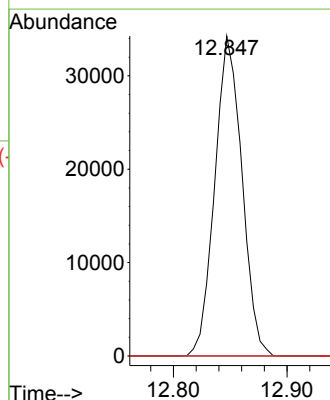
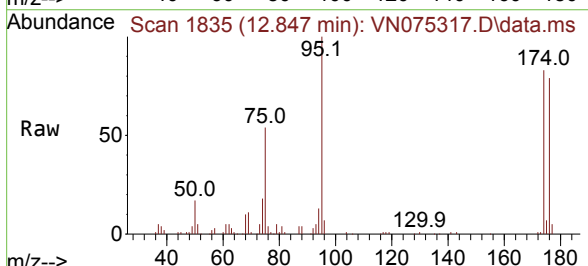
Tgt Ion: 75 Resp: 56861

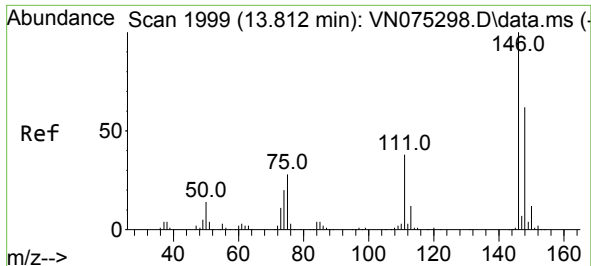
Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.7 56.5#

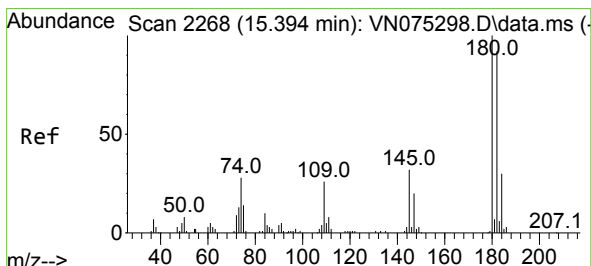
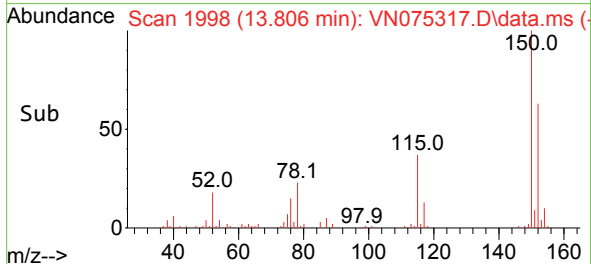
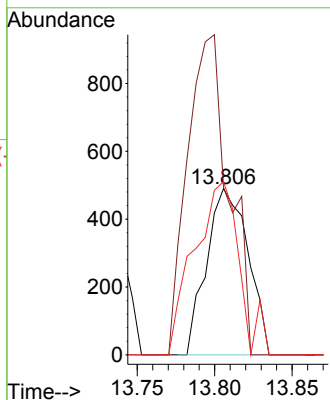
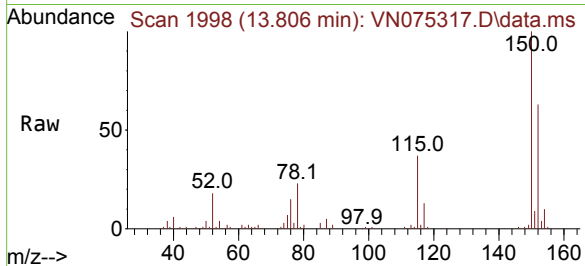




#88
 1,4-Dichlorobenzene
 Concen: 0.248 ug/l
 RT: 13.806 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: VN075317.D
 Acq: 18 Nov 2022 17:05

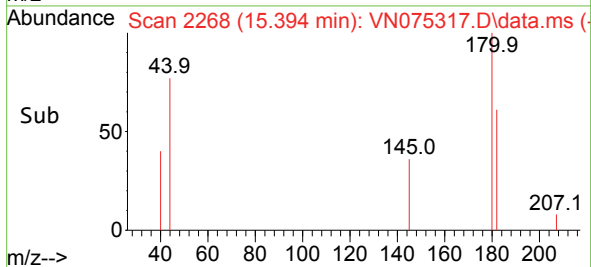
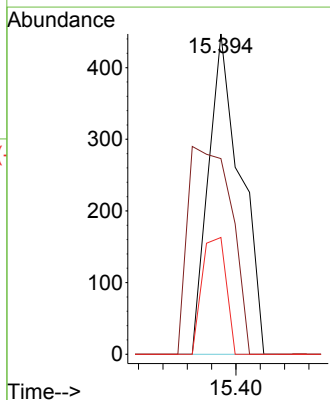
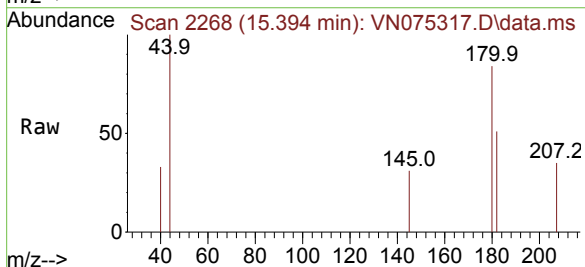
Instrument :
 MSVOA_N
 ClientSampleId :

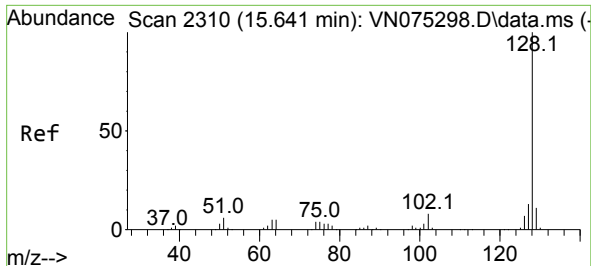
Tgt Ion:146 Resp: 912
 Ion Ratio Lower Upper
 146 100
 111 191.6 20.1 60.3#
 148 112.9 31.9 95.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.258 ug/l
 RT: 15.394 min Scan# 2268
 Delta R.T. -0.000 min
 Lab File: VN075317.D
 Acq: 18 Nov 2022 17:05

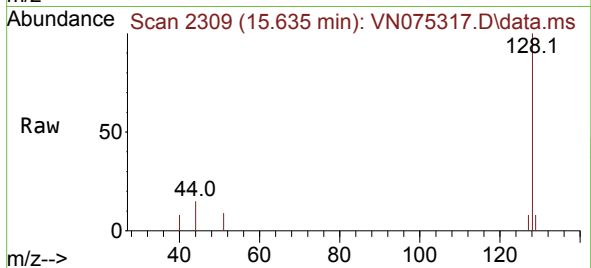
Tgt Ion:180 Resp: 410
 Ion Ratio Lower Upper
 180 100
 182 88.0 47.8 143.4
 145 27.3 16.8 50.3



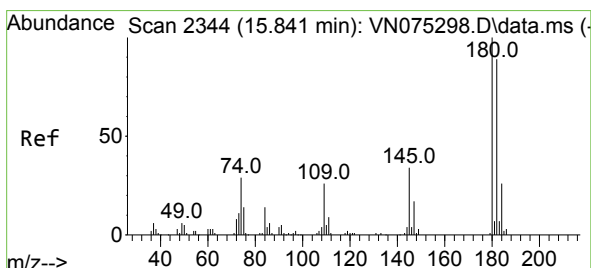
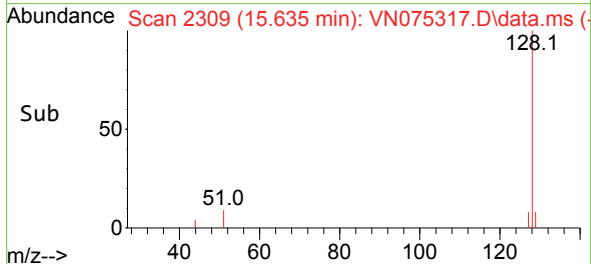
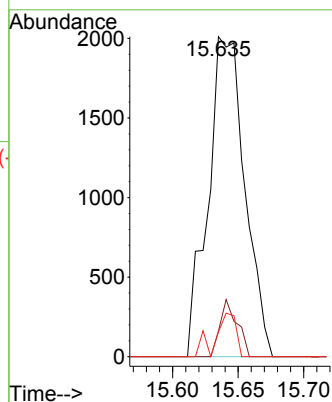


#95
Naphthalene
Concen: 0.640 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 3916
Ion Ratio Lower Upper
128 100
127 8.4 10.4 15.6#
129 7.7 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.497 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075317.D
Acq: 18 Nov 2022 17:05

Tgt Ion:180 Resp: 785
Ion Ratio Lower Upper
180 100
182 58.3 47.3 141.8
145 28.3 17.6 52.9

