

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075288.D
 Acq On : 16 Nov 2022 15:03
 Operator : JC\MD
 Sample : VN1116WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 17 04:28:35 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)

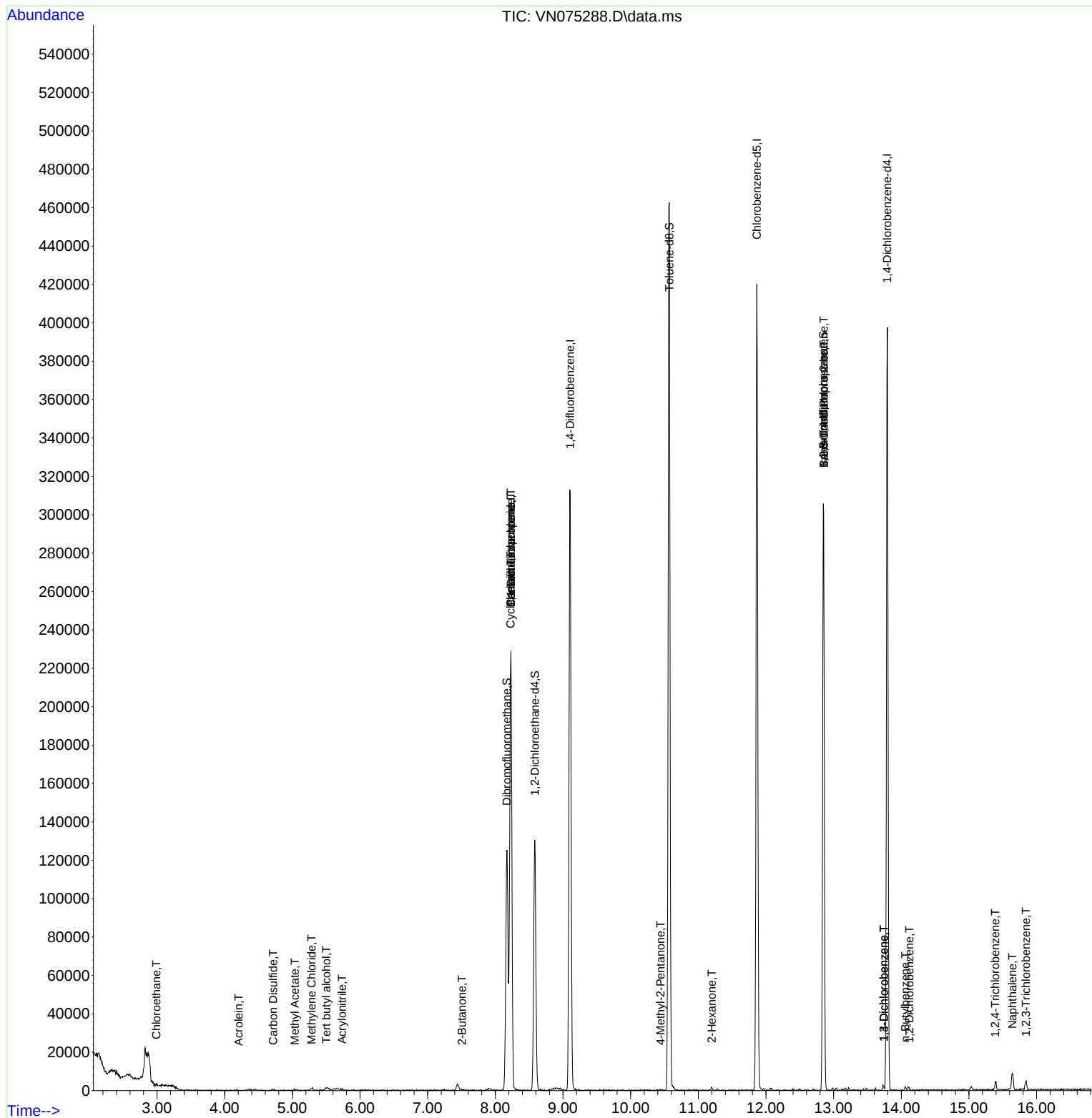
Internal Standards						
1) Pentafluorobenzene	8.229	168	171245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	294330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	104079	45.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.220%			
35) Dibromofluoromethane	8.171	113	88704	51.337	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.680%			
50) Toluene-d8	10.570	98	339425	50.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.847	95	108502	46.076	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.160%			
Target Compounds					Qvalue	
5) Bromomethane	2.936	94	626	Below Cal		92
6) Chloroethane	2.989	64	692	0.286 ug/l #		45
11) Tert butyl alcohol	5.500	59	974	1.810 ug/l #		72
13) Acrolein	4.206	56	112	0.254 ug/l #		15
15) Acrylonitrile	5.736	53	447	0.393 ug/l #		56
17) Carbon Disulfide	4.718	76	1185	0.260 ug/l #		74
18) Methyl Acetate	5.036	43	848	0.266 ug/l #		81
20) Methylene Chloride	5.283	84	1146	0.526 ug/l #		56
25) 2-Butanone	7.506	43	505	0.329 ug/l #		43
31) Cyclohexane	8.224	56	3529	1.028 ug/l #		2
36) 1,1-Dichloropropene	8.229	75	12352	4.618 ug/l #		52
38) Carbon Tetrachloride	8.229	117	17837	6.062 ug/l #		16
51) 4-Methyl-2-Pentanone	10.441	43	699	0.238 ug/l #		61
59) 2-Hexanone	11.200	43	1233	0.553 ug/l		78
71) Bromoform	12.853	173	917	0.604 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.929	83	63	Below Cal #		26
76) 1,2,3-Trichloropropane	12.853	75	55851	24.093 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	55851	61.845 ug/l #		10
87) 1,3-Dichlorobenzene	13.741	146	1161	0.307 ug/l		95
88) 1,4-Dichlorobenzene	13.741	146	1161	0.310 ug/l		95
89) n-Butylbenzene	14.059	91	1399	0.230 ug/l		88
91) 1,2-Dichlorobenzene	14.117	146	1277	0.340 ug/l		78
93) 1,2,4-Trichlorobenzene	15.388	180	1810	1.120 ug/l		90
95) Naphthalene	15.641	128	10859	1.747 ug/l		94
96) 1,2,3-Trichlorobenzene	15.841	180	2173	1.353 ug/l		89

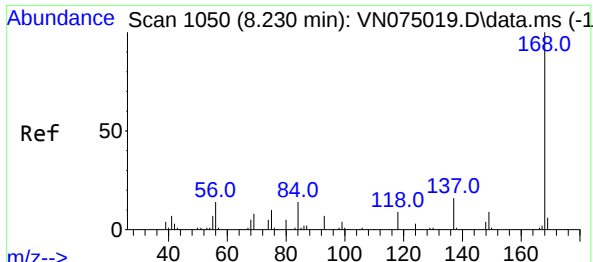
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
Data File : VN075288.D
Acq On : 16 Nov 2022 15:03
Operator : JC\MD
Sample : VN1116WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

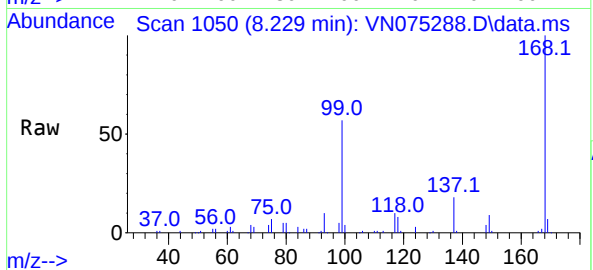
Quant Time: Nov 17 04:28:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



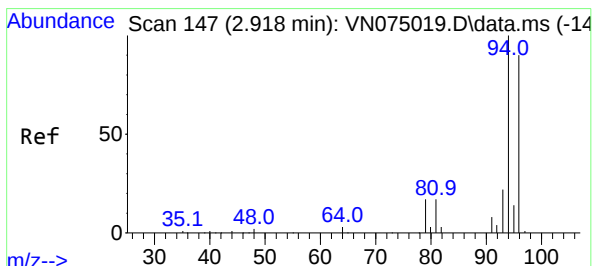
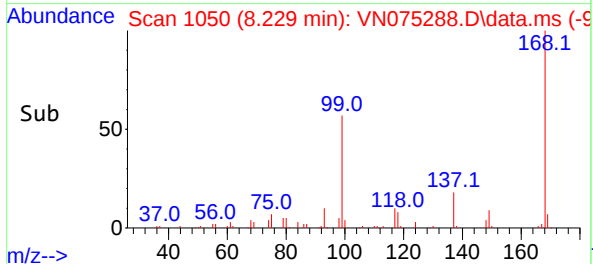
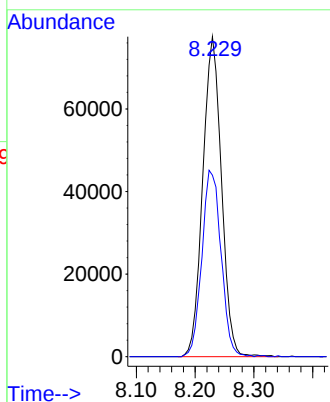


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

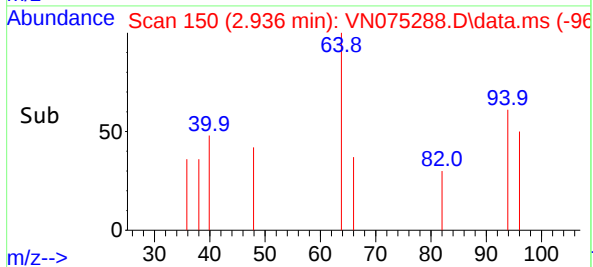
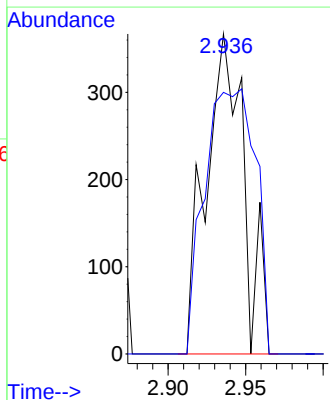
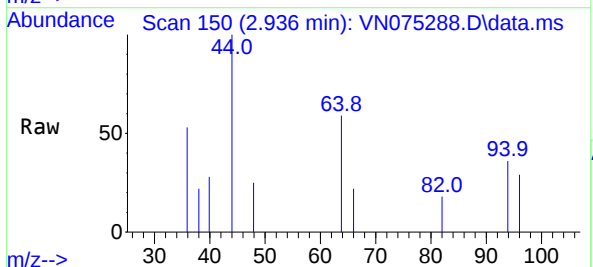


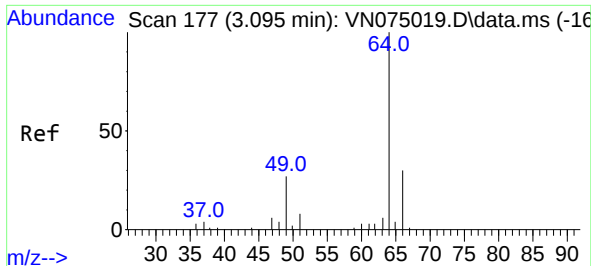
Tgt Ion:168 Resp: 171245
Ion Ratio Lower Upper
168 100
99 56.7 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 150
Delta R.T. 0.018 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Tgt Ion: 94 Resp: 626
Ion Ratio Lower Upper
94 100
96 81.7 71.8 107.6

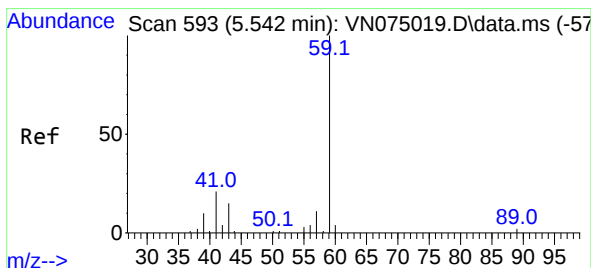
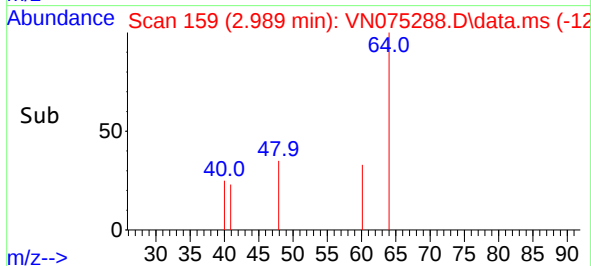
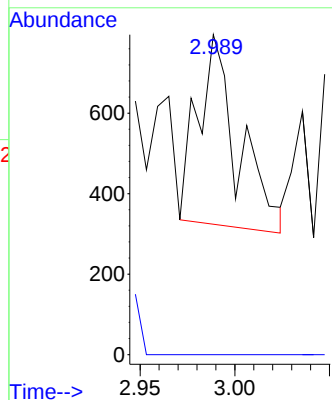
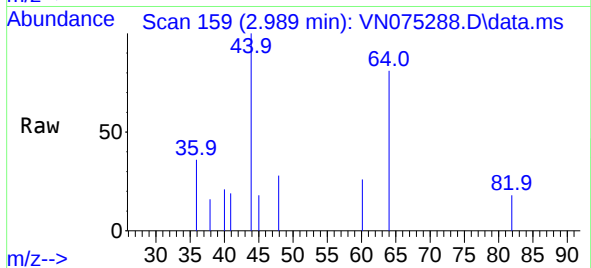




#6
Chloroethane
Concen: 0.286 ug/l
RT: 2.989 min Scan# 11
Delta R.T. -0.106 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

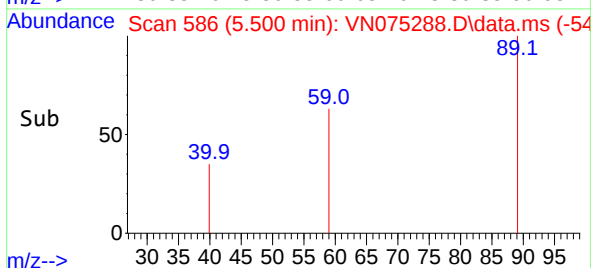
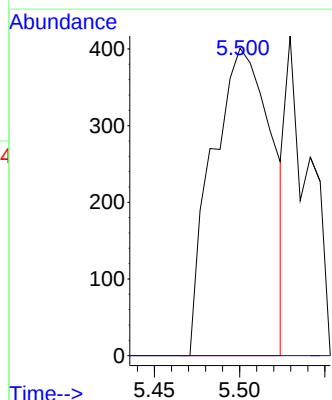
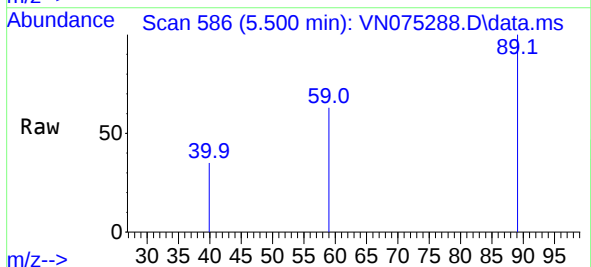
Instrument :
MSVOA_N
ClientSampleId :

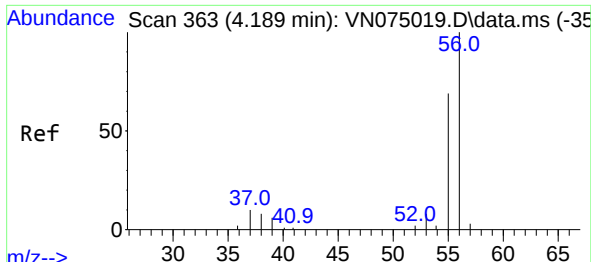
Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 1.810 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

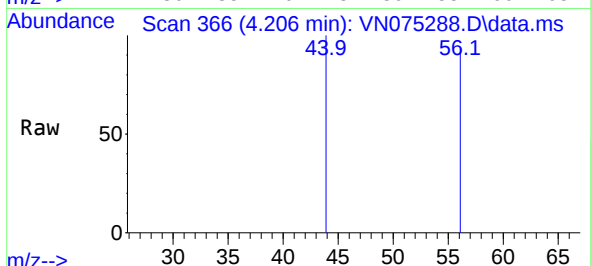
Tgt Ion: 59 Resp: 974
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



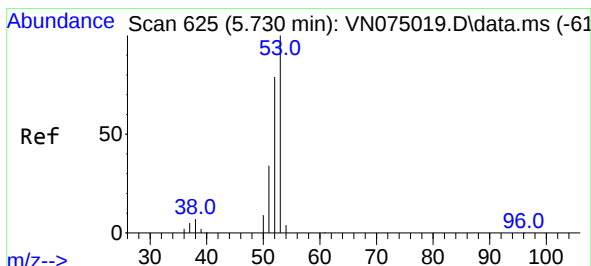
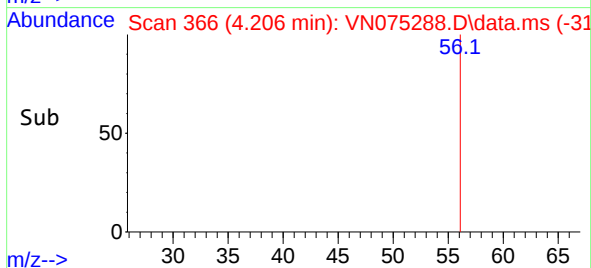
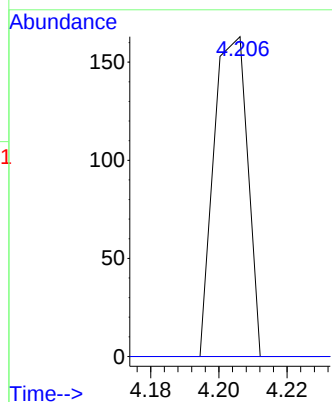


#13
Acrolein
Concen: 0.254 ug/l
RT: 4.206 min Scan# 366
Delta R.T. 0.017 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

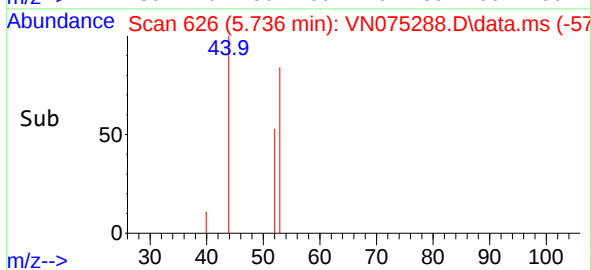
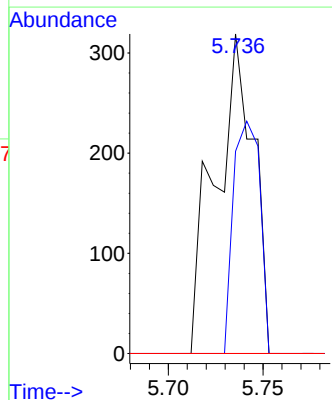
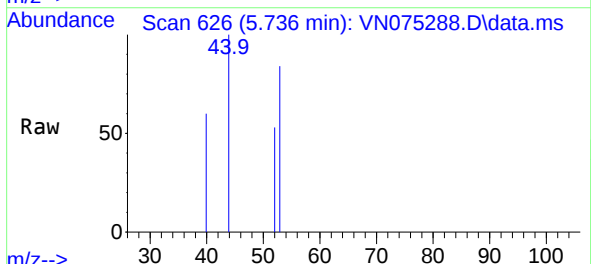


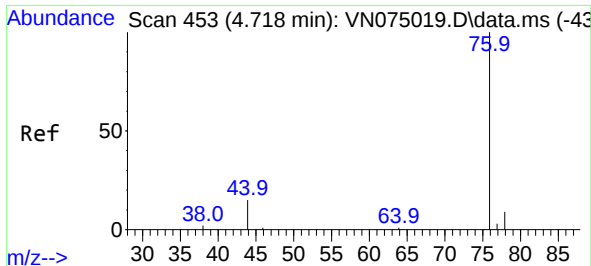
Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#



#15
Acrylonitrile
Concen: 0.393 ug/l
RT: 5.736 min Scan# 626
Delta R.T. 0.005 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Tgt Ion: 53 Resp: 447
Ion Ratio Lower Upper
53 100
52 50.6 66.4 99.6#
51 0.0 29.6 44.4#

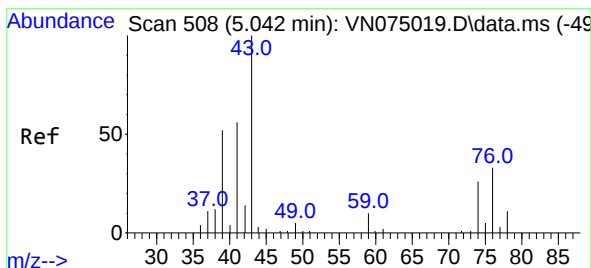
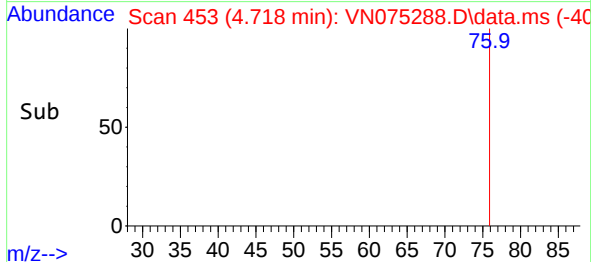
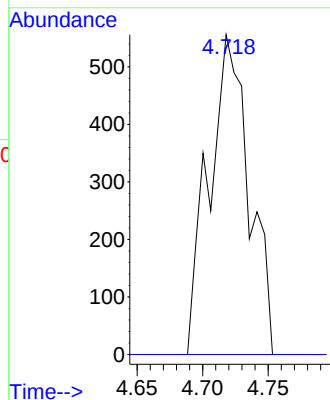
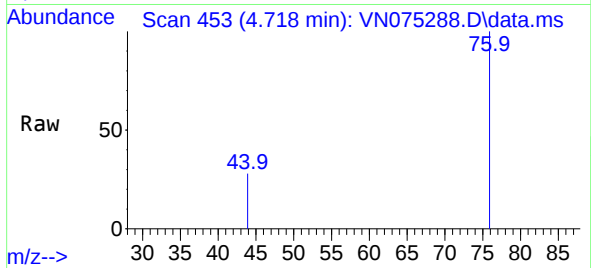




#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 4.718 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

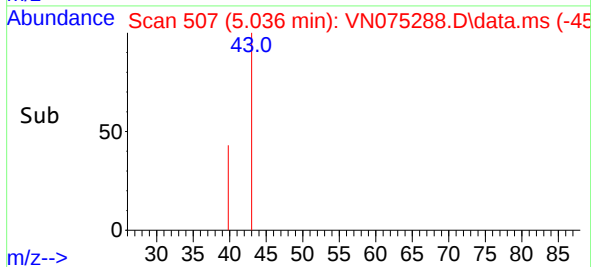
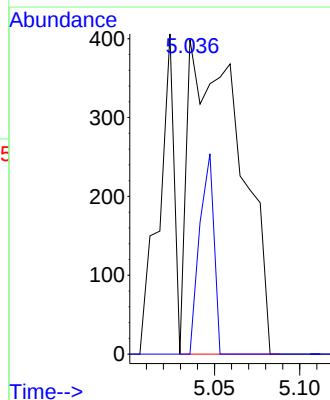
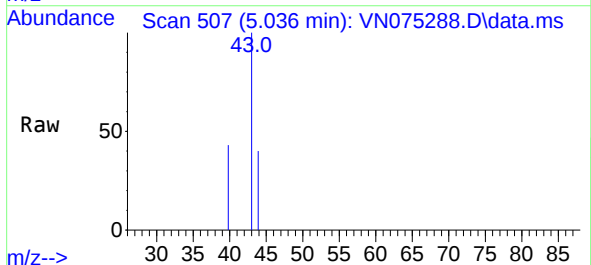
Instrument :
MSVOA_N
ClientSampleId :

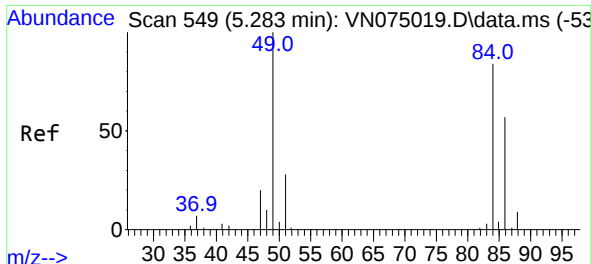
Tgt Ion: 76 Resp: 1185
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

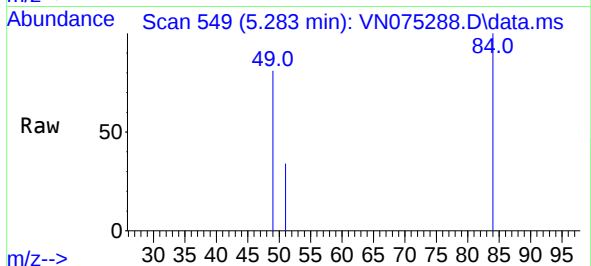
Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
74 17.6 22.0 33.0#



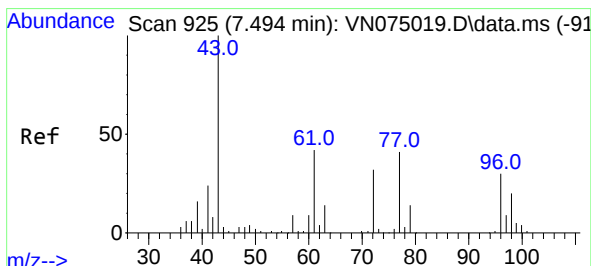
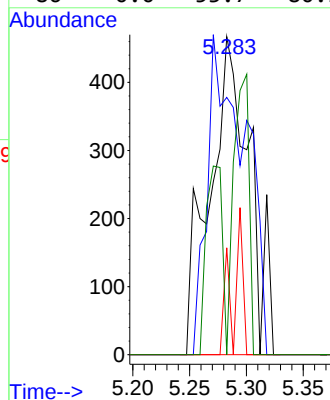


#20
Methylene Chloride
Concen: 0.526 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

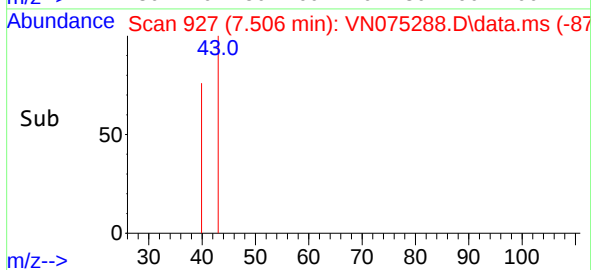
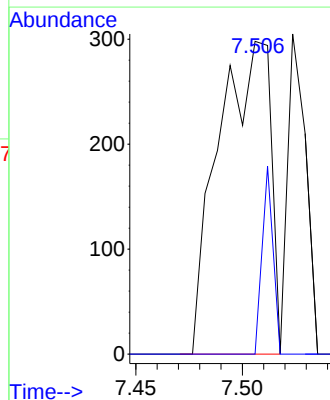
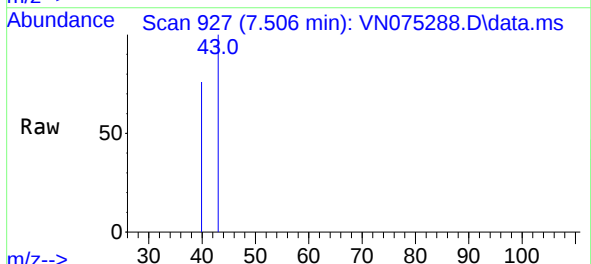


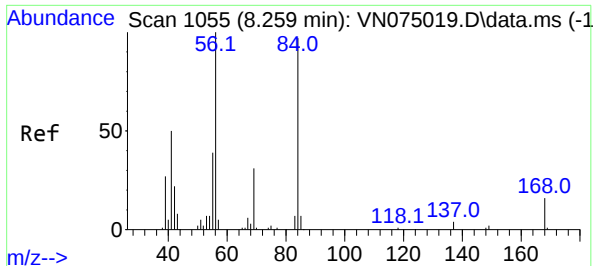
Tgt Ion: 84 Resp: 1146
Ion Ratio Lower Upper
84 100
49 80.9 94.9 142.3#
51 33.6 26.8 40.2
86 0.0 53.7 80.5#



#25
2-Butanone
Concen: 0.329 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

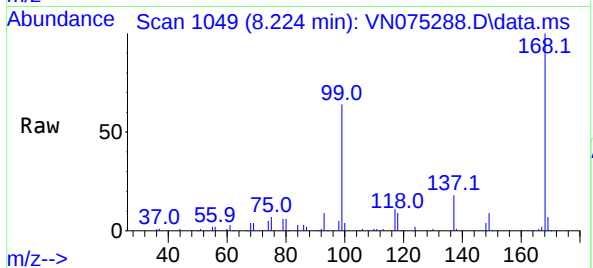
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



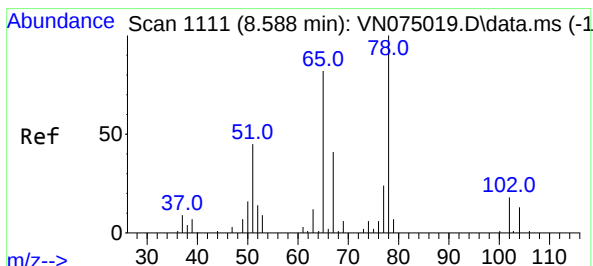
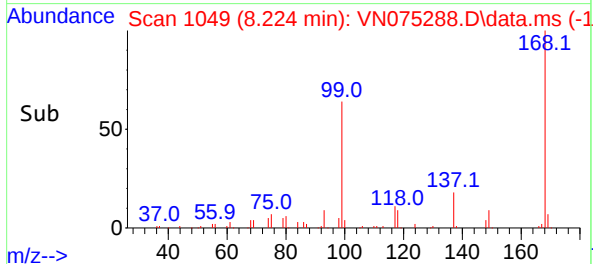
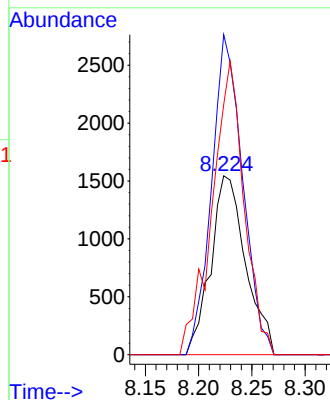


#31
Cyclohexane
Concen: 1.028 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

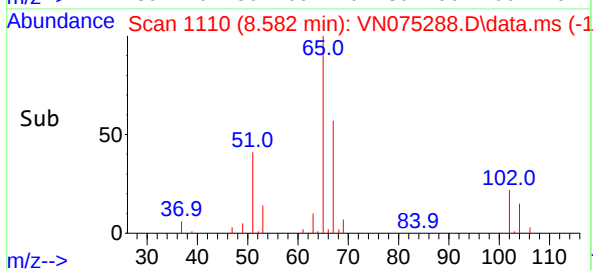
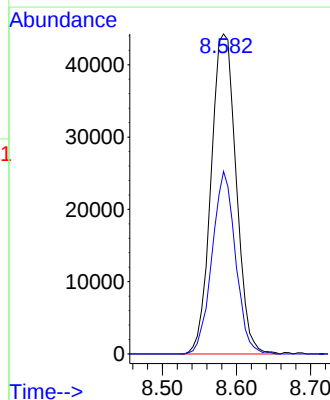
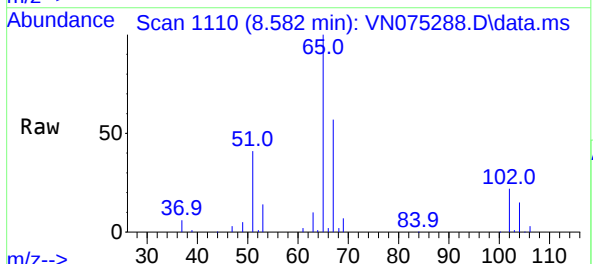


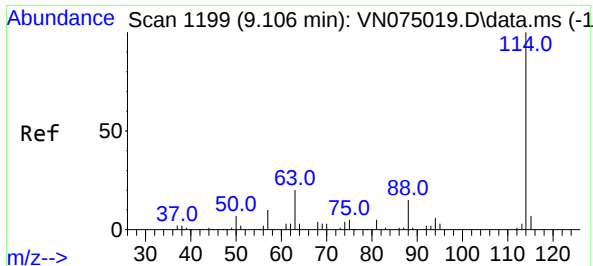
Tgt Ion: 56 Resp: 3529
Ion Ratio Lower Upper
56 100
69 178.9 25.2 37.8#
84 139.9 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 45.108 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

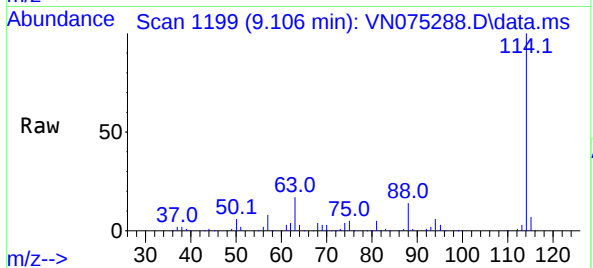
Tgt Ion: 65 Resp: 104079
Ion Ratio Lower Upper
65 100
67 53.3 0.0 102.0



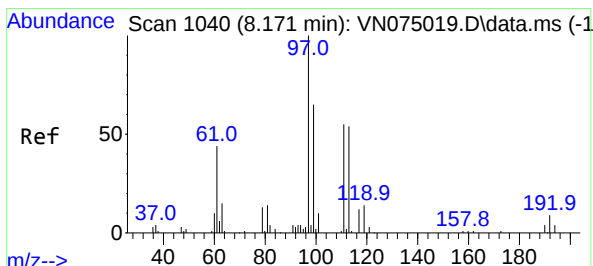
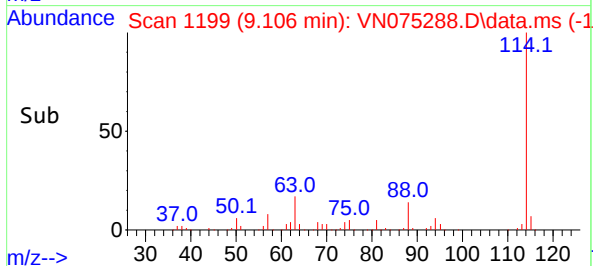
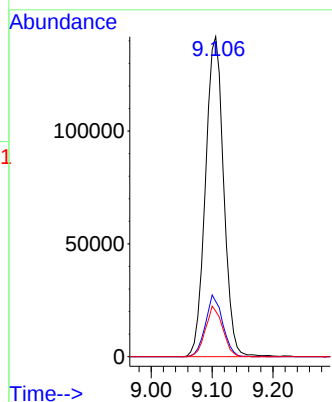


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

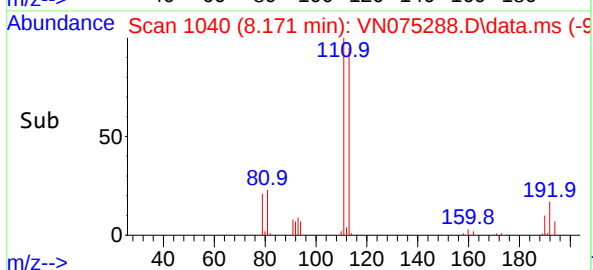
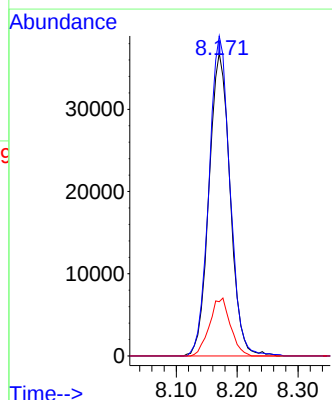
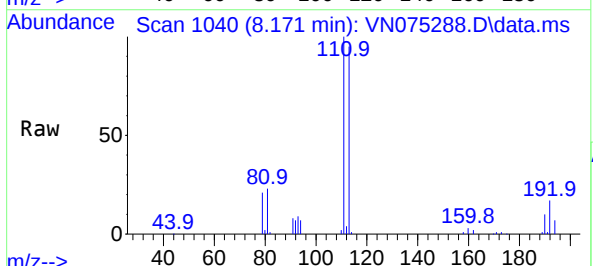


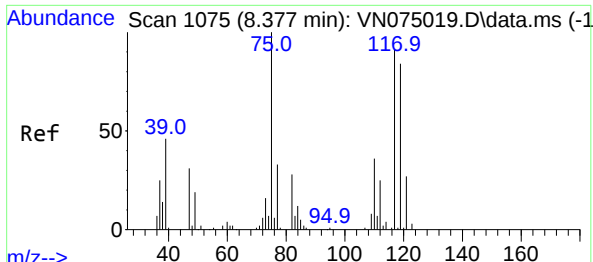
Tgt Ion:114 Resp: 294330
Ion Ratio Lower Upper
114 100
63 17.3 0.0 39.6
88 14.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.337 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Tgt Ion:113 Resp: 88704
Ion Ratio Lower Upper
113 100
111 104.9 80.5 120.7
192 19.0 13.2 19.8

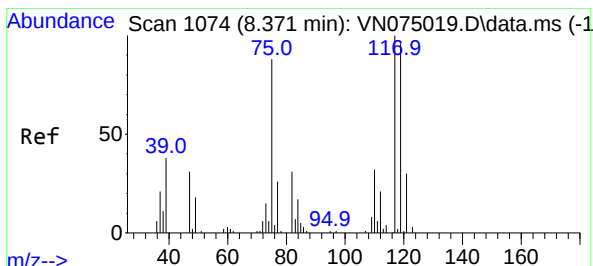
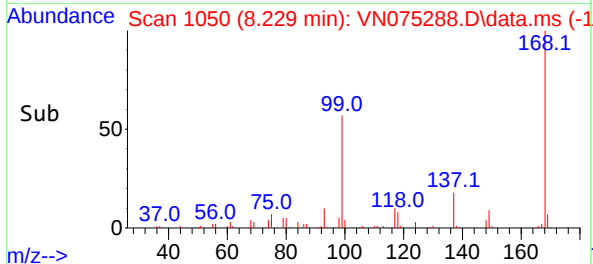
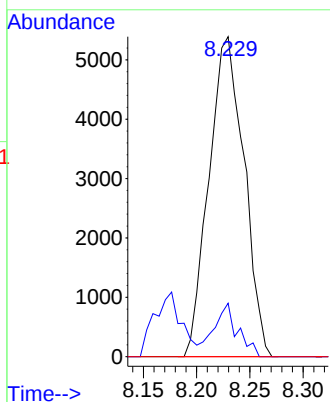
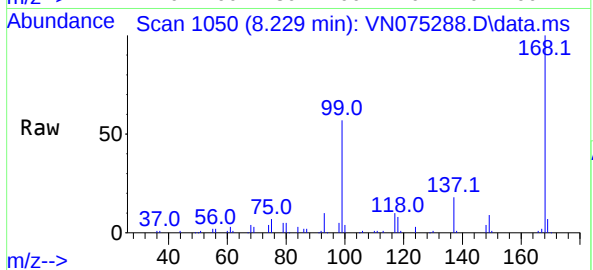




#36
 1,1-Dichloropropene
 Concen: 4.618 ug/l
 RT: 8.229 min Scan# 1050
 Delta R.T. -0.148 min
 Lab File: VN075288.D
 Acq: 16 Nov 2022 15:03

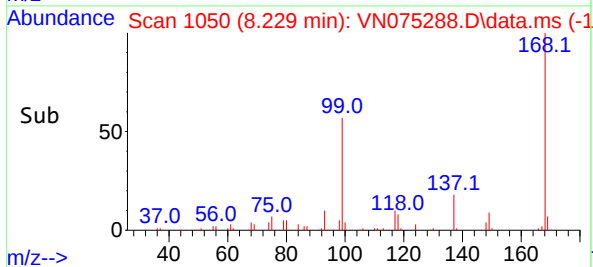
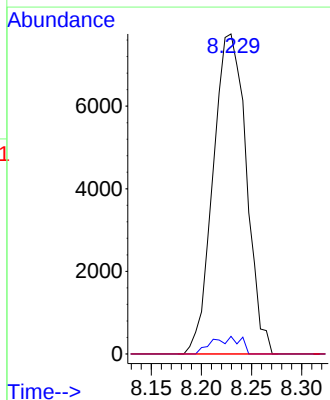
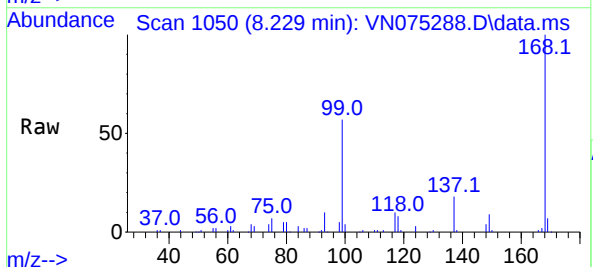
Instrument :
 MSVOA_N
 ClientSampleId :

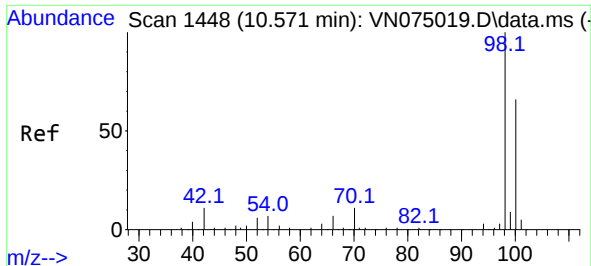
Tgt Ion: 75 Resp: 12352
 Ion Ratio Lower Upper
 75 100
 110 11.4 17.8 53.3#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.062 ug/l
 RT: 8.229 min Scan# 1050
 Delta R.T. -0.142 min
 Lab File: VN075288.D
 Acq: 16 Nov 2022 15:03

Tgt Ion: 117 Resp: 17837
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.7 115.1#
 121 0.0 23.9 35.9#

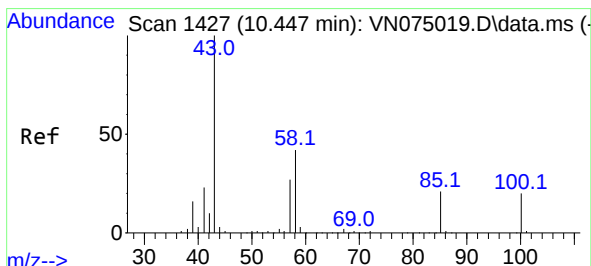
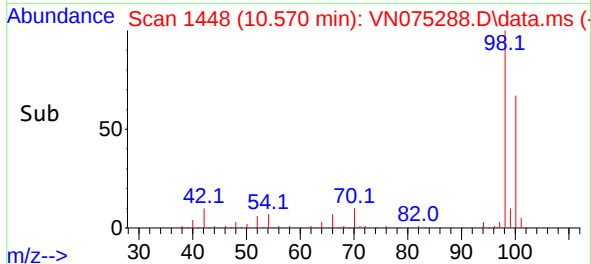
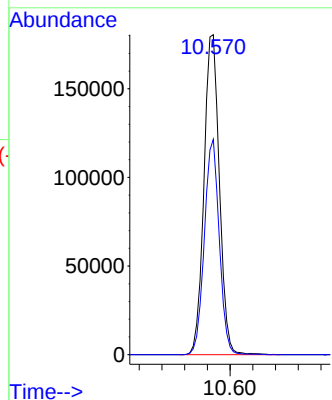
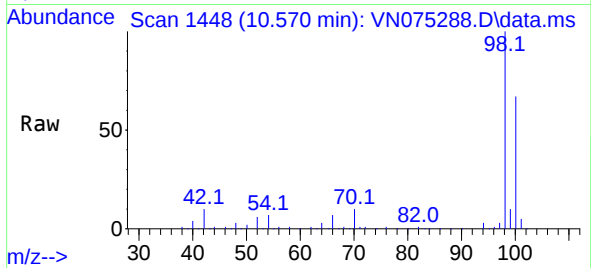




#50
Toluene-d8
Concen: 50.633 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

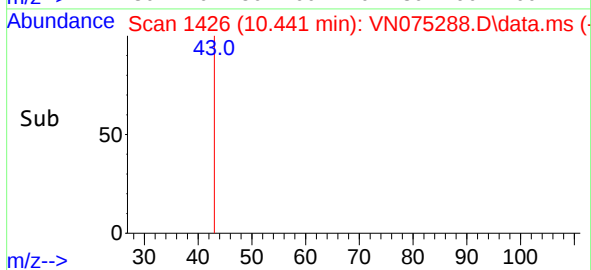
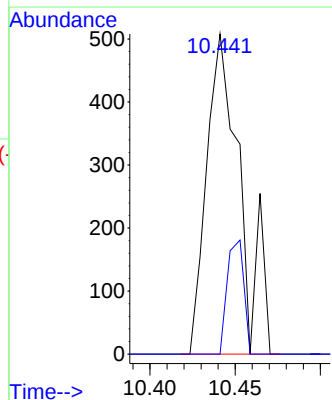
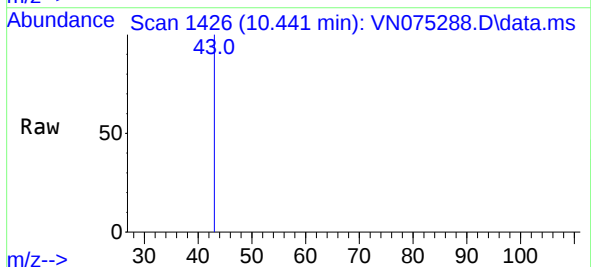
Instrument :
MSVOA_N
ClientSampleId :

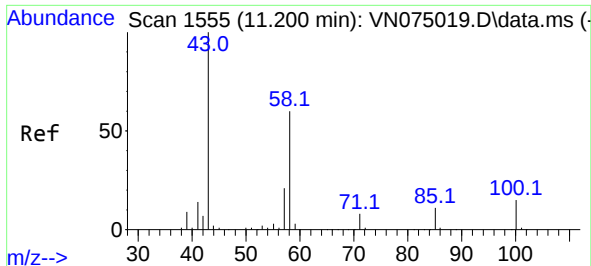
Tgt Ion: 98 Resp: 339425
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.238 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
58 17.5 33.6 50.4#





#59

2-Hexanone

Concen: 0.553 ug/l

RT: 11.200 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

Instrument :

MSVOA_N

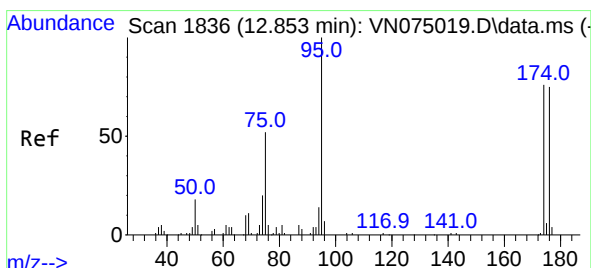
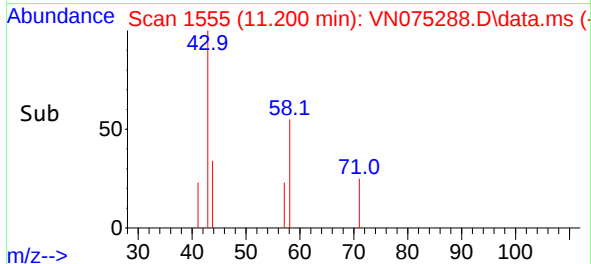
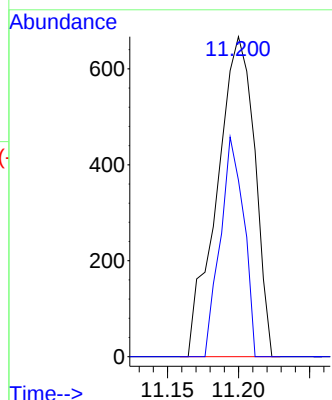
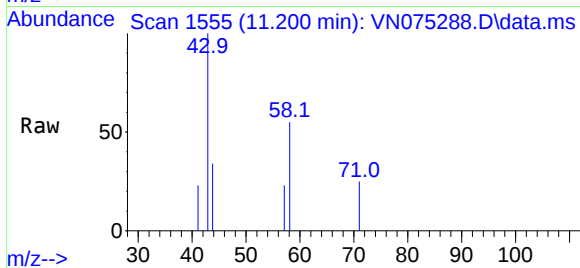
ClientSampleId :

Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

58 42.4 29.6 88.8



#62

4-Bromofluorobenzene

Concen: 46.076 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

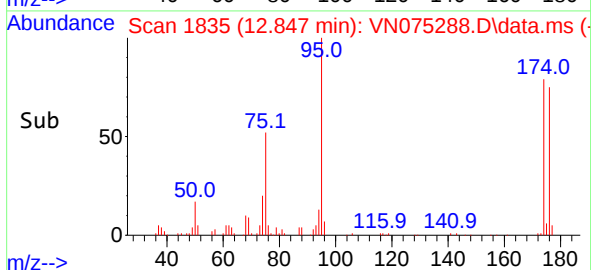
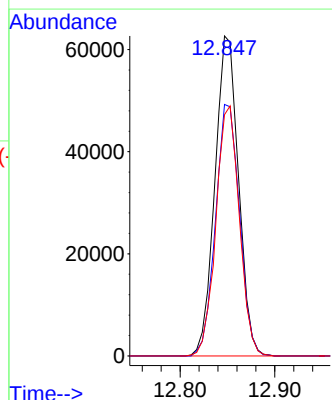
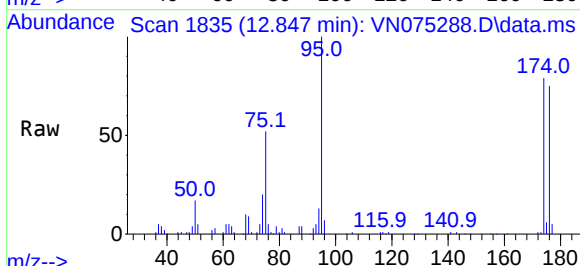
Tgt Ion: 95 Resp: 108502

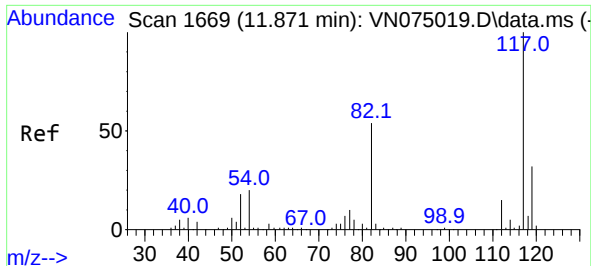
Ion Ratio Lower Upper

95 100

174 80.0 0.0 147.4

176 77.4 0.0 142.2

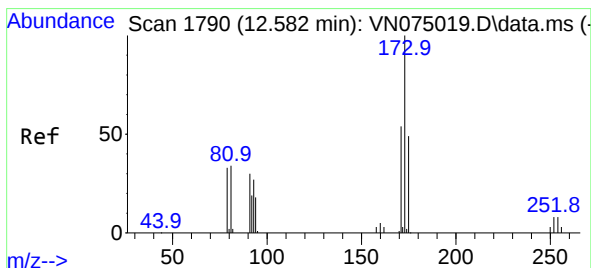
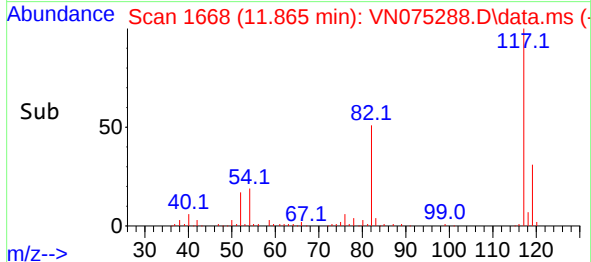
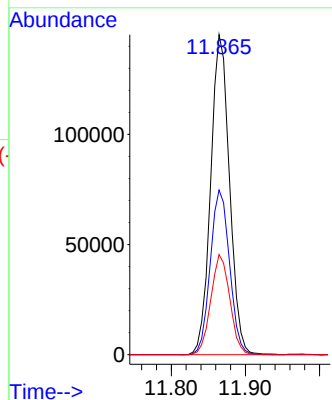
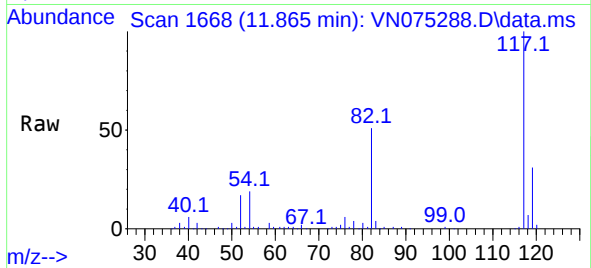




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

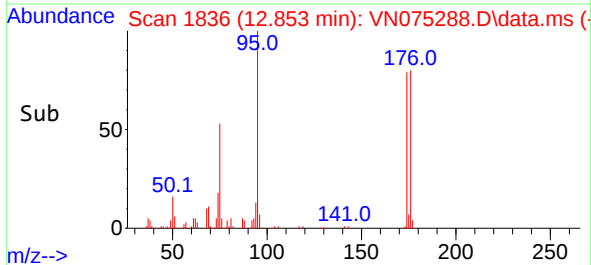
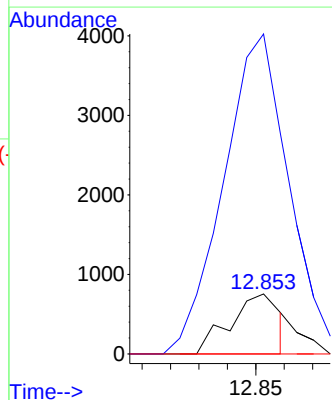
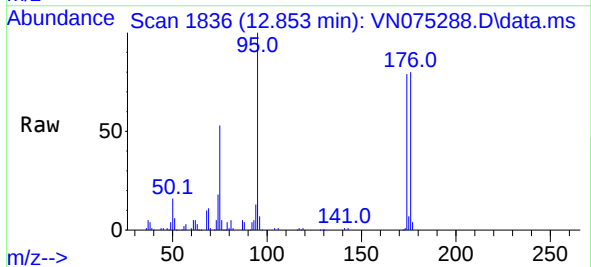
Instrument :
MSVOA_N
ClientSampleId :

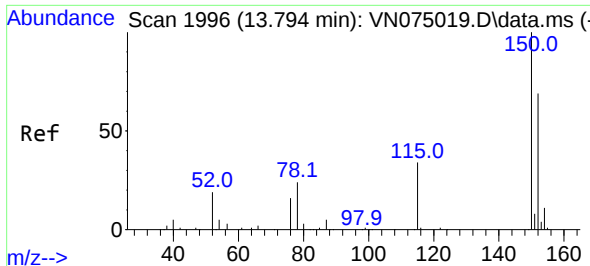
Tgt Ion:117 Resp: 256276
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 31.3 25.5 38.3



#71
Bromoform
Concen: 0.604 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

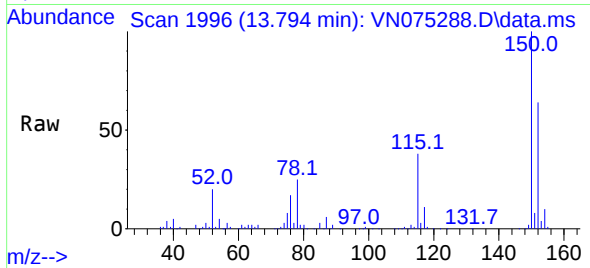
Tgt Ion:173 Resp: 917
Ion Ratio Lower Upper
173 100
175 600.0 24.6 74.0#
254 0.0 0.0 0.0



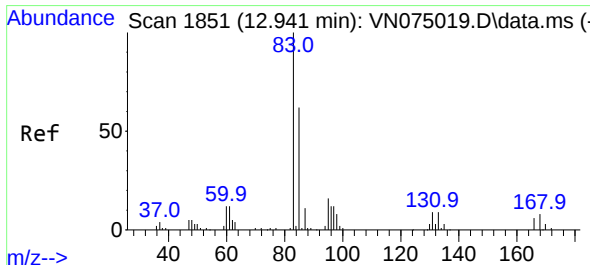
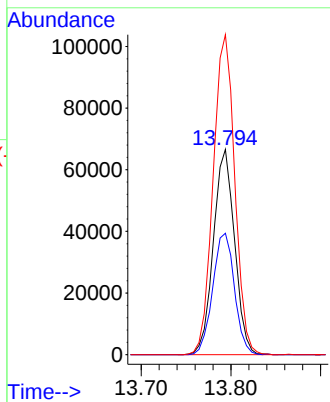
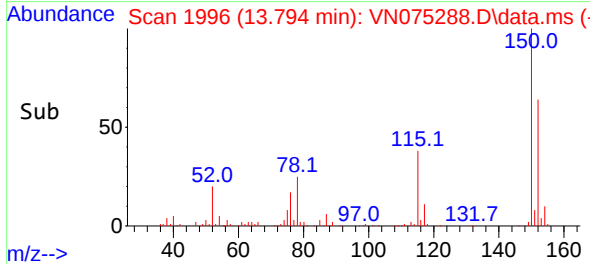


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

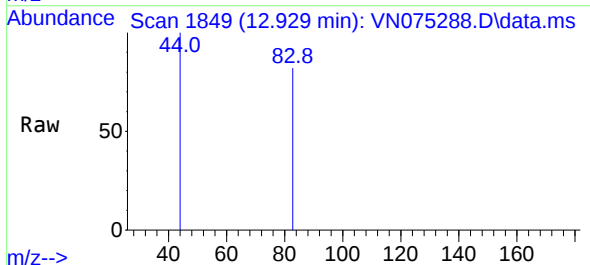
Instrument :
MSVOA_N
ClientSampleId :



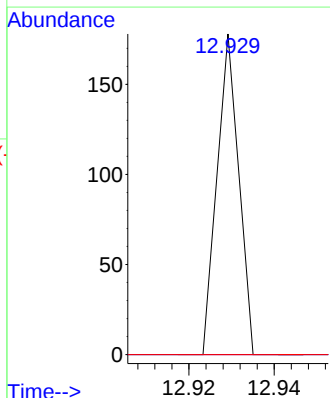
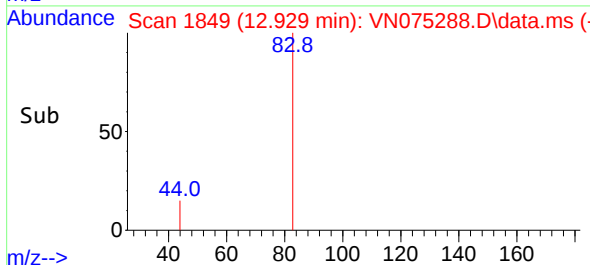
Tgt Ion:152 Resp: 109180
Ion Ratio Lower Upper
152 100
115 60.8 30.2 90.6
150 158.8 0.0 348.4

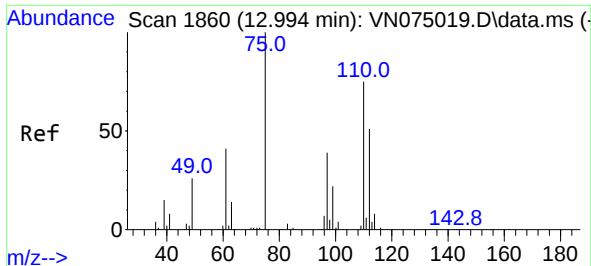


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1849
Delta R.T. -0.012 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03



Tgt Ion: 83 Resp: 63
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#

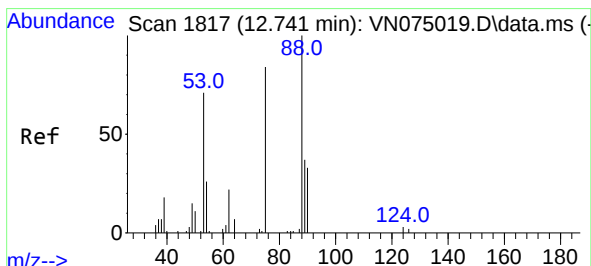
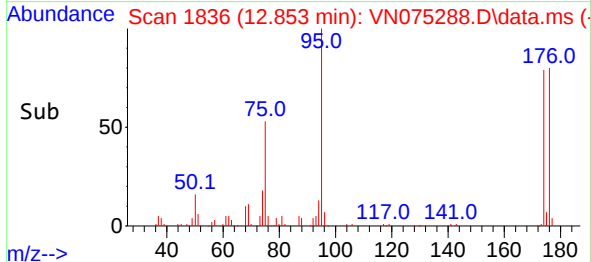
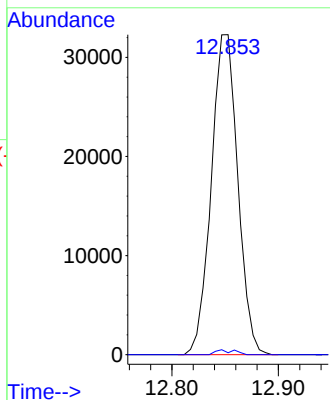
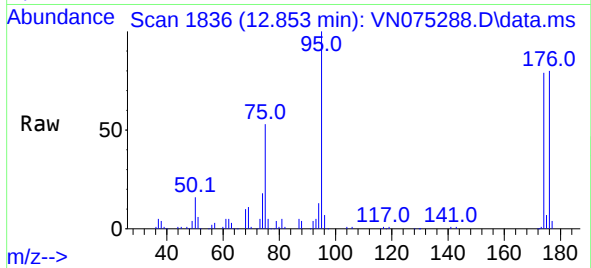




#76
1,2,3-Trichloropropane
Concen: 24.093 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

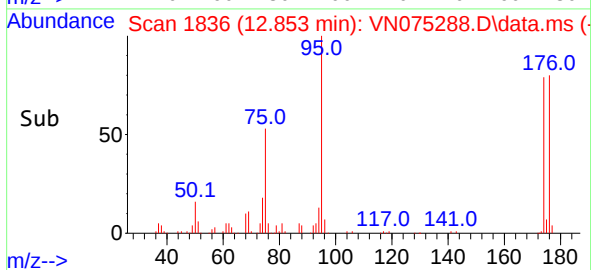
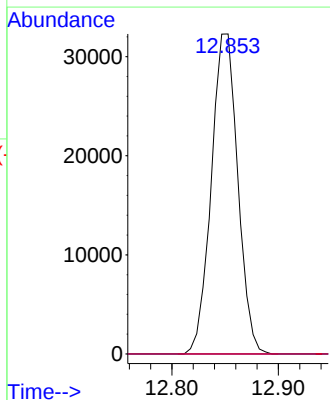
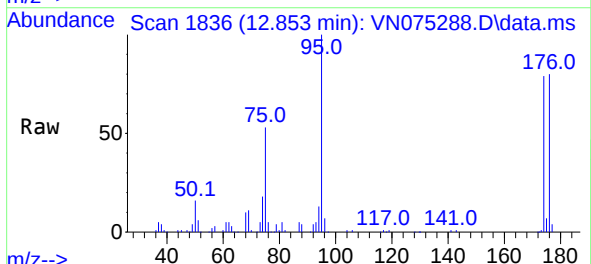
Instrument :
MSVOA_N
ClientSampleId :

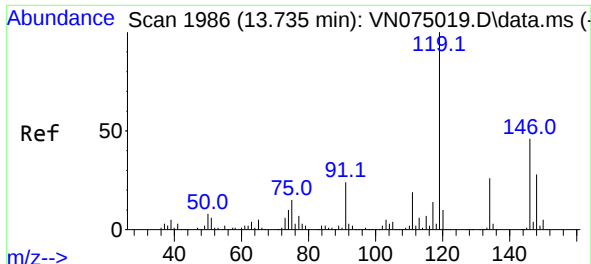
Tgt Ion: 75 Resp: 55851
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.845 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Tgt Ion: 75 Resp: 55851
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#87

1,3-Dichlorobenzene

Concen: 0.307 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. 0.006 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

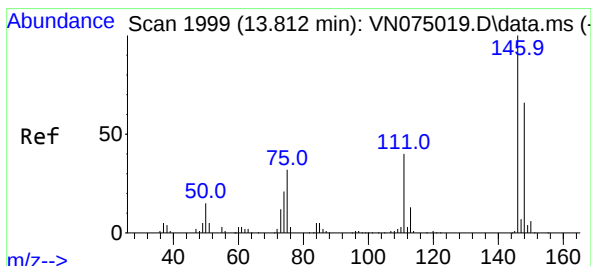
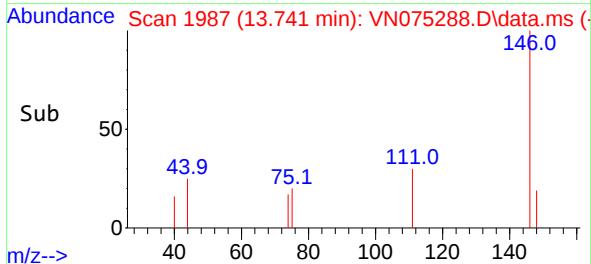
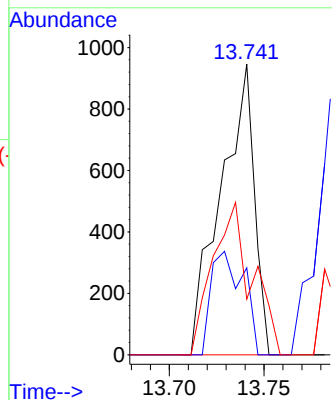
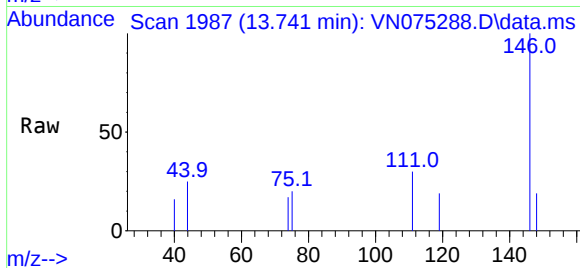
Tgt Ion:146 Resp: 1161

Ion Ratio Lower Upper

146 100

111 34.5 20.8 62.5

148 61.5 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 0.310 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. -0.071 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

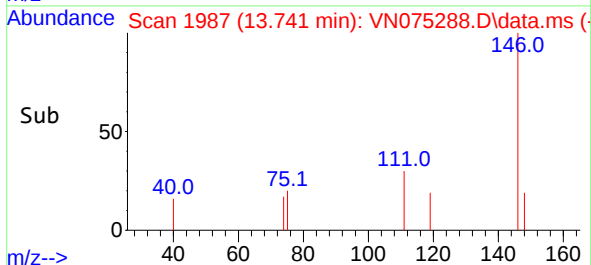
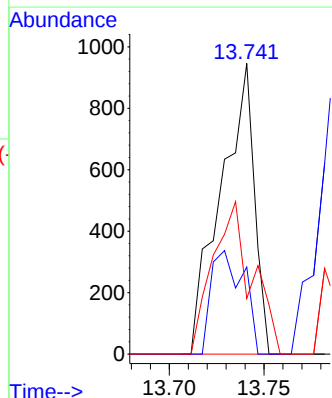
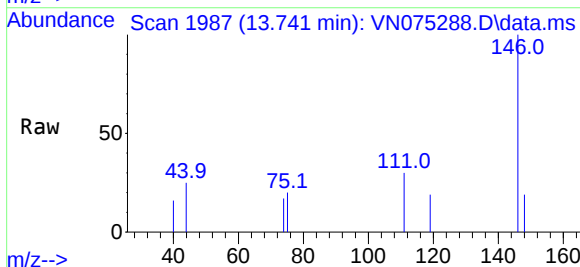
Tgt Ion:146 Resp: 1161

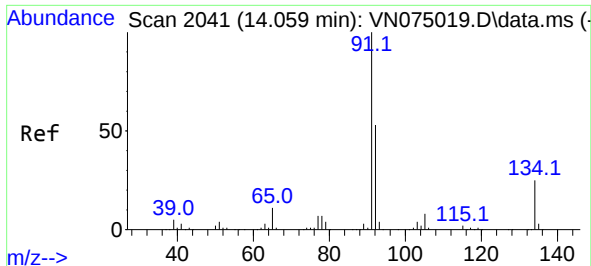
Ion Ratio Lower Upper

146 100

111 34.5 20.1 60.3

148 61.5 31.9 95.7





#89

n-Butylbenzene

Concen: 0.230 ug/l

RT: 14.059 min Scan# 2041

Delta R.T. -0.000 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

Instrument :

MSVOA_N

ClientSampleId :

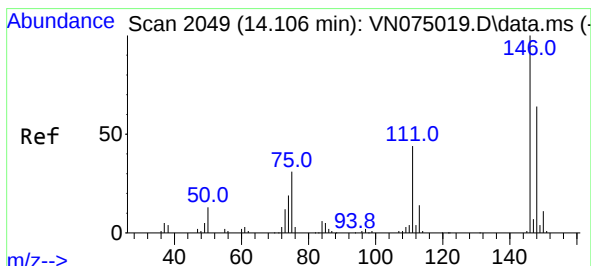
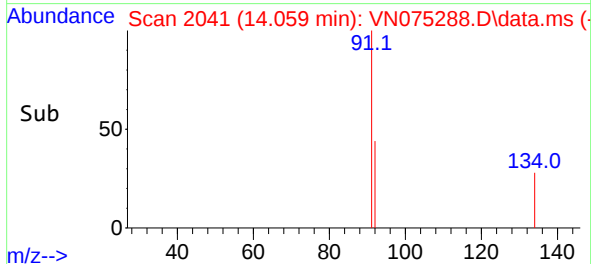
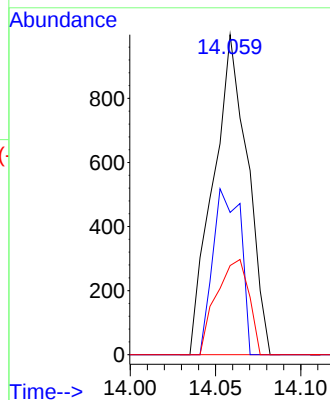
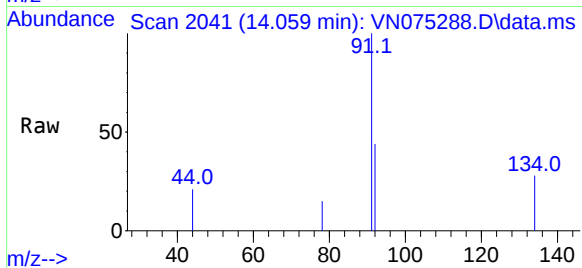
Tgt Ion: 91 Resp: 1399

Ion Ratio Lower Upper

91 100

92 42.0 26.5 79.4

134 28.0 13.0 39.0



#91

1,2-Dichlorobenzene

Concen: 0.340 ug/l

RT: 14.117 min Scan# 2051

Delta R.T. 0.011 min

Lab File: VN075288.D

Acq: 16 Nov 2022 15:03

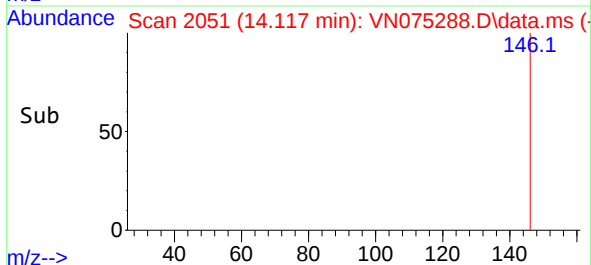
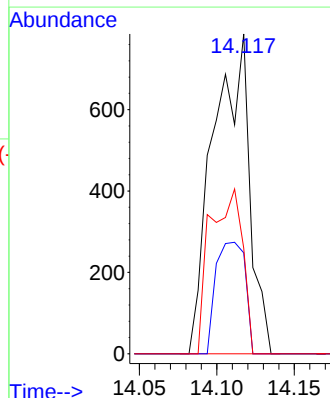
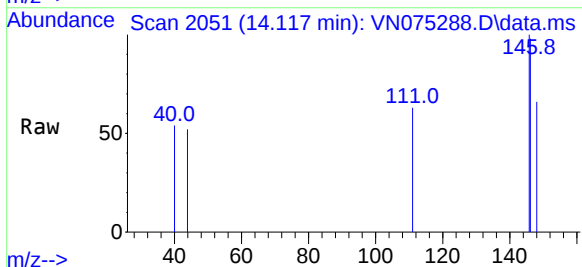
Tgt Ion: 146 Resp: 1277

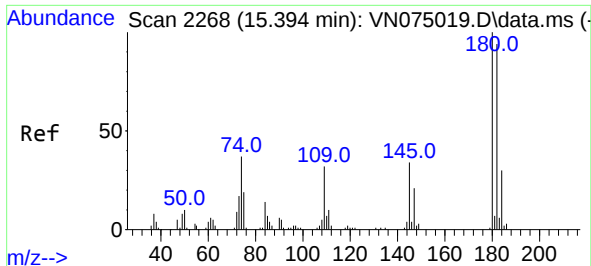
Ion Ratio Lower Upper

146 100

111 28.0 21.3 63.9

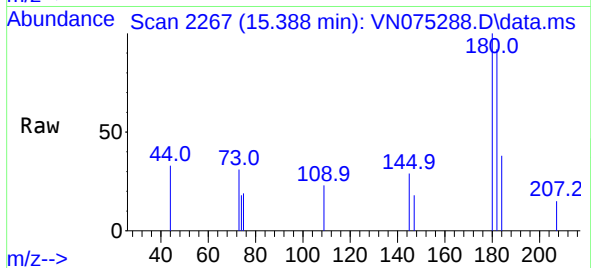
148 46.0 31.4 94.2



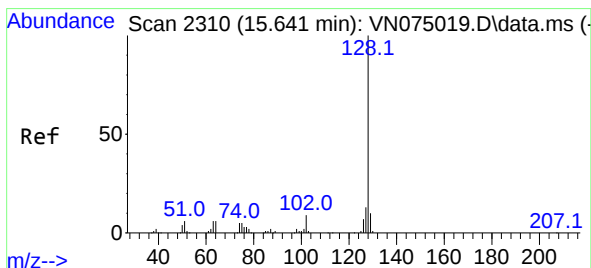
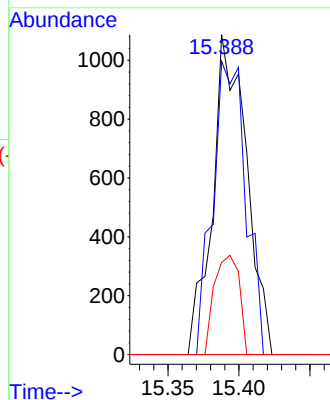
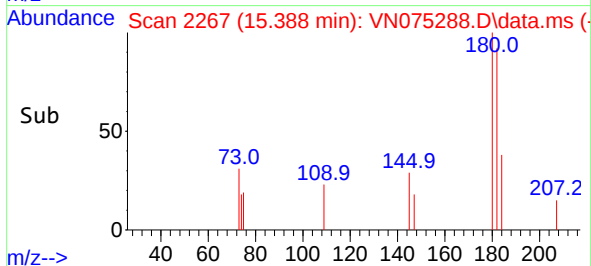


#93
1,2,4-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

Instrument :
MSVOA_N
ClientSampleId :

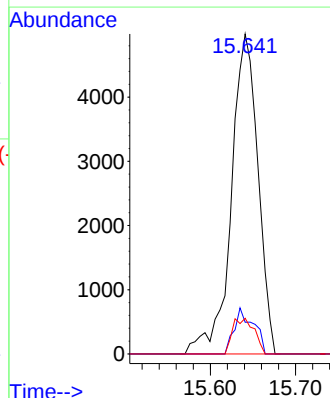
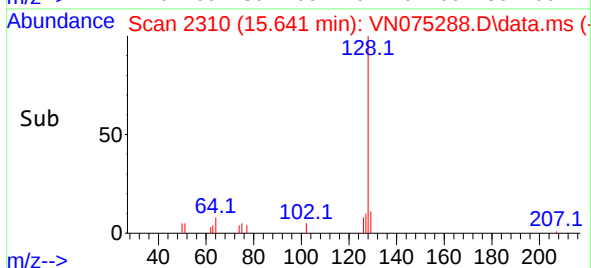
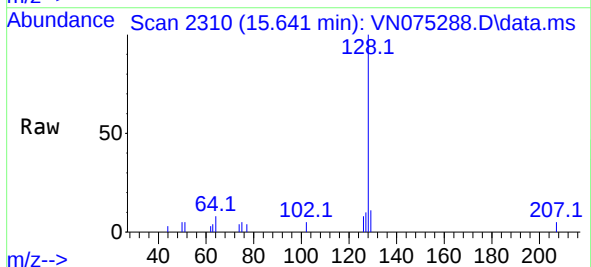


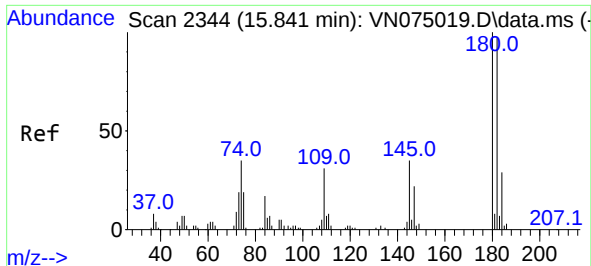
Tgt Ion:180 Resp: 1810
Ion Ratio Lower Upper
180 100
182 89.0 47.8 143.4
145 22.7 16.8 50.3



#95
Naphthalene
Concen: 1.747 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075288.D
Acq: 16 Nov 2022 15:03

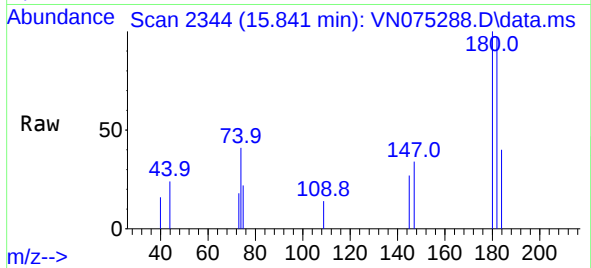
Tgt Ion:128 Resp: 10859
Ion Ratio Lower Upper
128 100
127 10.4 10.4 15.6
129 9.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.353 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075288.D
 Acq: 16 Nov 2022 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2173
Ion	Ratio	Lower	Upper
180	100		
182	103.7	47.3	141.8
145	26.5	17.6	52.9

