

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075267.D
 Acq On : 14 Nov 2022 16:03
 Operator : JC\MD
 Sample : PB148994TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148994TB

Quant Time: Nov 15 03:52:47 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	104352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	193120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71298	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	75837	53.937	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.880%	
35) Dibromofluoromethane	8.171	113	65364	57.655	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.300%	
50) Toluene-d8	10.565	98	211184	48.013	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.020%	
62) 4-Bromofluorobenzene	12.847	95	74999	48.540	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.080%	

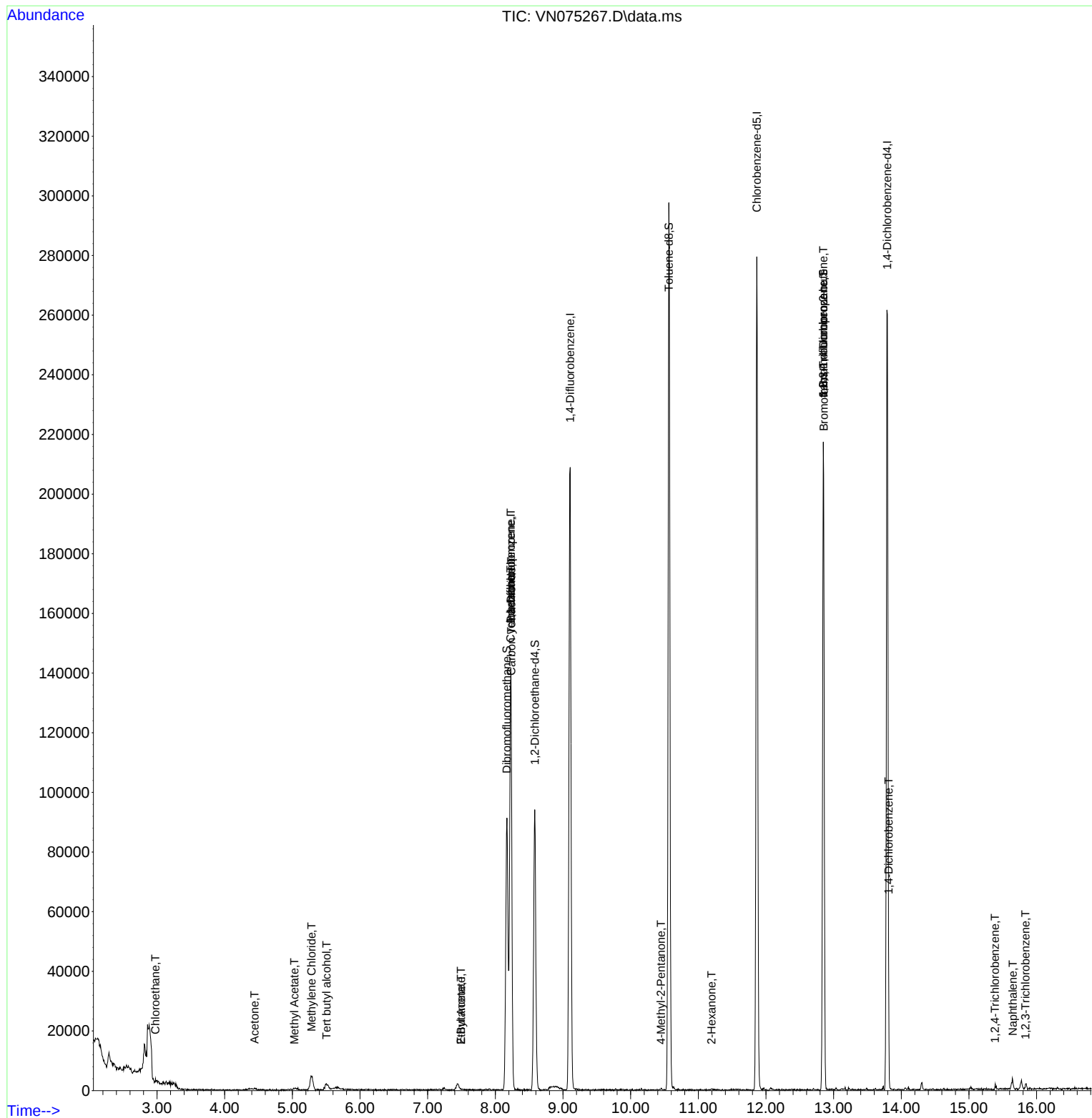
Target Compounds			Qvalue			
5) Bromomethane	2.918	94	467	Below Cal	#	70
6) Chloroethane	2.977	64	468	0.317	ug/l #	45
11) Tert butyl alcohol	5.506	59	1972	6.014	ug/l #	72
16) Acetone	4.441	43	208	0.349	ug/l #	12
18) Methyl Acetate	5.030	43	586	0.301	ug/l #	86
20) Methylene Chloride	5.283	84	3923	2.955	ug/l	89
25) 2-Butanone	7.494	43	422	0.451	ug/l #	43
31) Cyclohexane	8.224	56	2295	1.097	ug/l #	54
36) 1,1-Dichloropropene	8.229	75	8278	4.716	ug/l #	50
37) Ethyl Acetate	7.494	43	422	0.219	ug/l #	66
38) Carbon Tetrachloride	8.235	117	11027	5.711	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	460	0.239	ug/l #	34
59) 2-Hexanone	11.194	43	468	0.320	ug/l #	57
71) Bromoform	12.853	173	531	0.540	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	39524	26.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39524	67.020	ug/l #	10
88) 1,4-Dichlorobenzene	13.811	146	546	0.224	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.382	180	533	0.505	ug/l	86
95) Naphthalene	15.647	128	4012	0.988	ug/l	94
96) 1,2,3-Trichlorobenzene	15.835	180	734	0.700	ug/l #	71

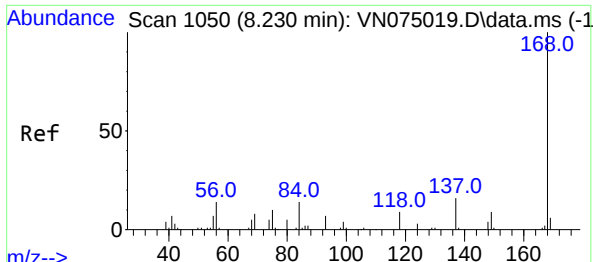
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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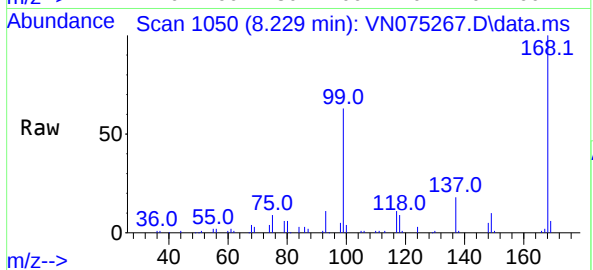
Quant Time: Nov 15 03:52:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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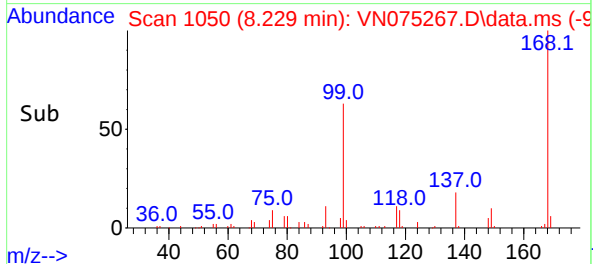
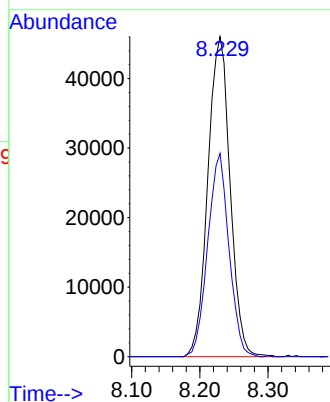


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

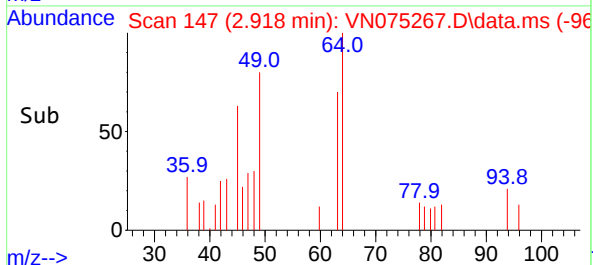
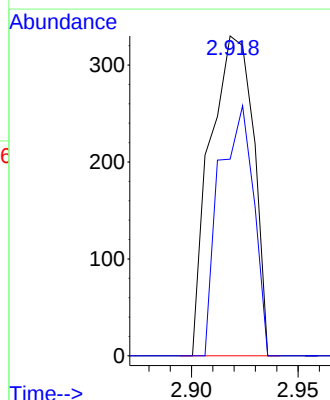
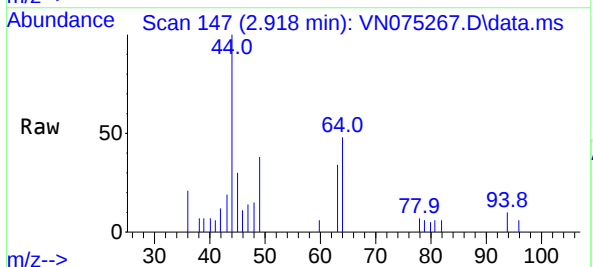


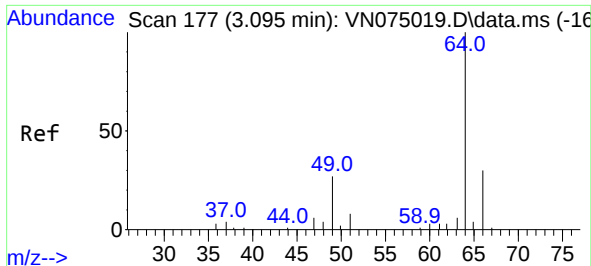
Tgt Ion:168 Resp: 104352
Ion Ratio Lower Upper
168 100
99 63.5 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 94 Resp: 467
Ion Ratio Lower Upper
94 100
96 61.5 71.8 107.6#

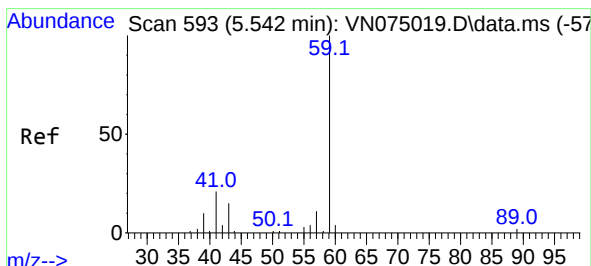
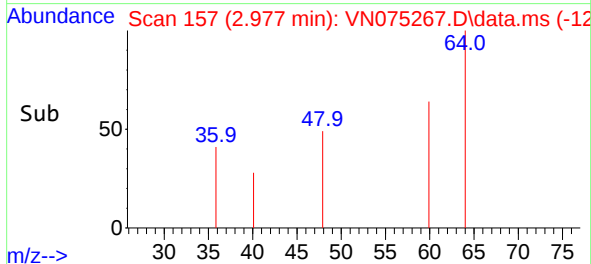
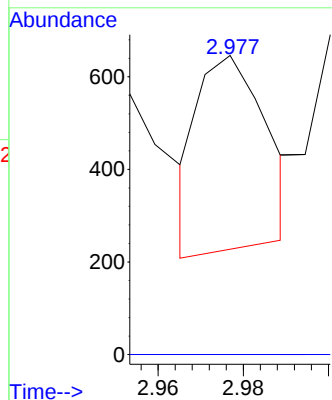
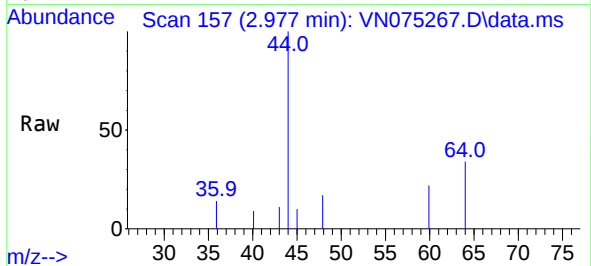




#6
Chloroethane
Concen: 0.317 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

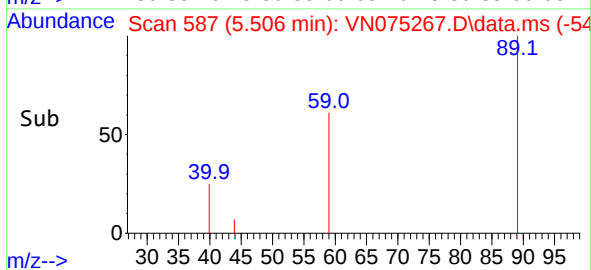
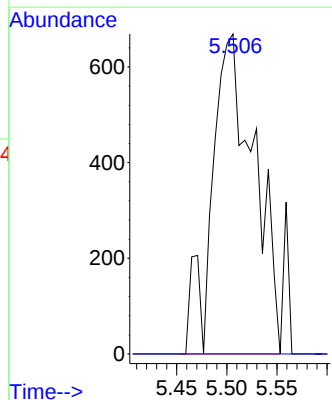
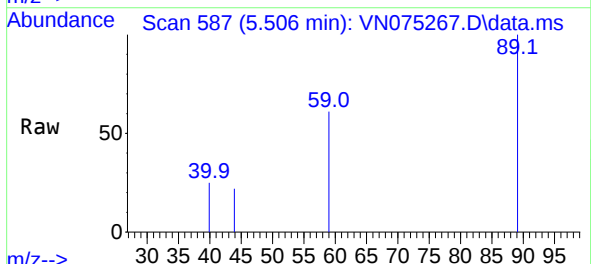
Instrument :
MSVOA_N
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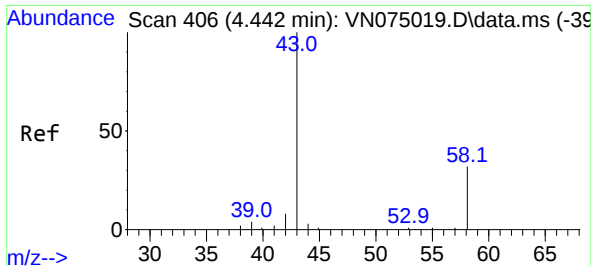
Tgt Ion: 64 Resp: 468
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 6.014 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 59 Resp: 1972
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

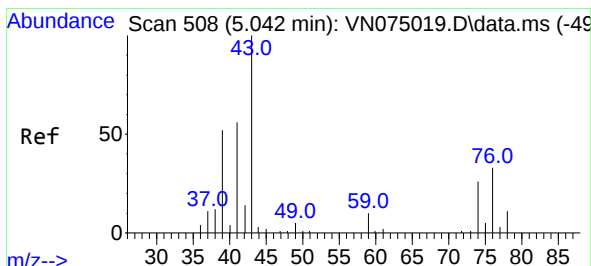
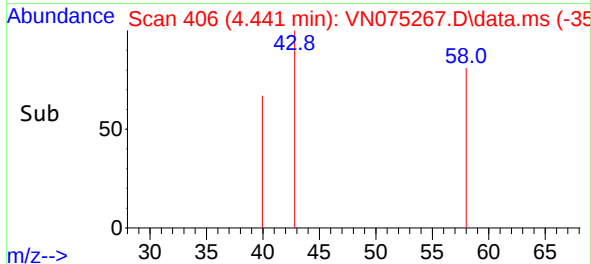
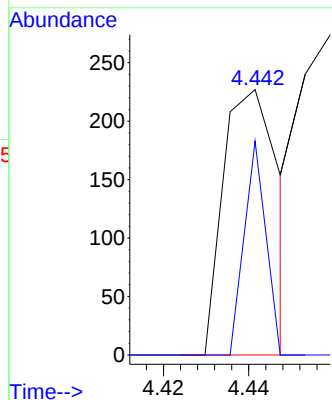
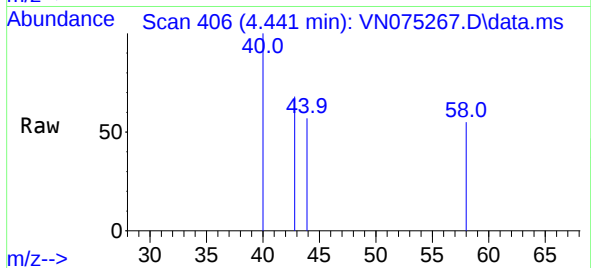




#16
Acetone
Concen: 0.349 ug/l
RT: 4.441 min Scan# 406
Delta R.T. -0.001 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

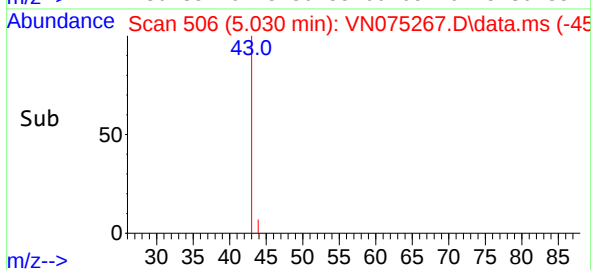
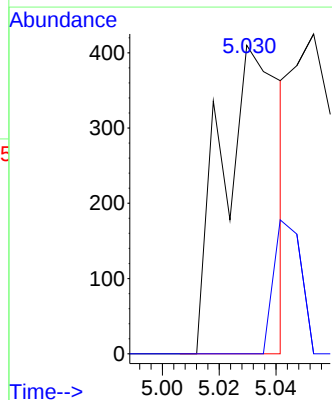
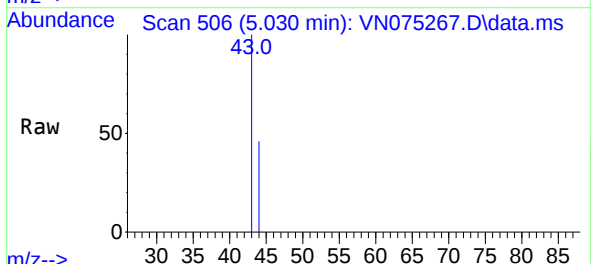
Instrument :
MSVOA_N
ClientSampleId :
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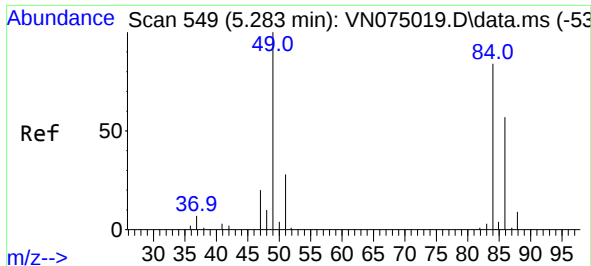
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
58 80.6 25.5 38.3#



#18
Methyl Acetate
Concen: 0.301 ug/l
RT: 5.030 min Scan# 506
Delta R.T. -0.012 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

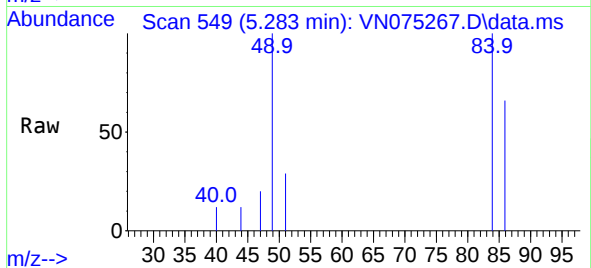
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
74 20.3 22.0 33.0#



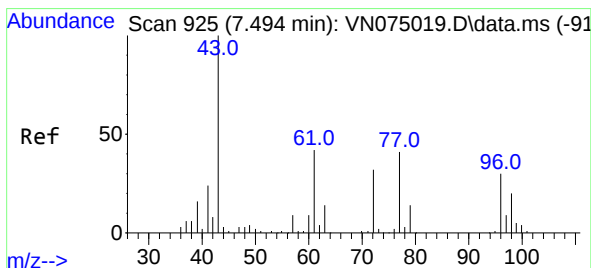
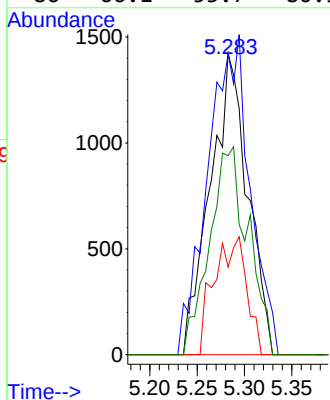
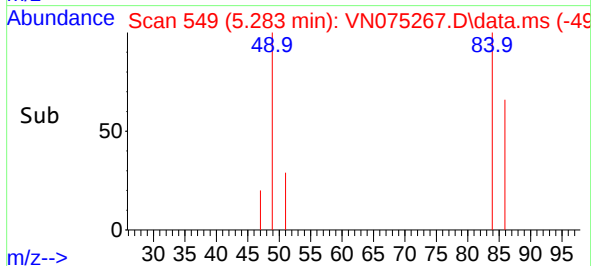


#20
Methylene Chloride
Concen: 2.955 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

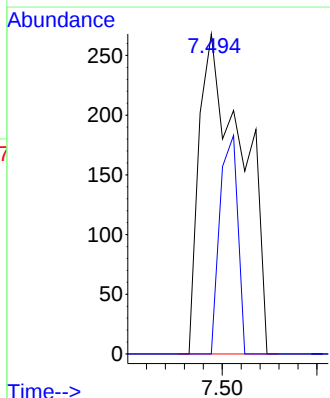
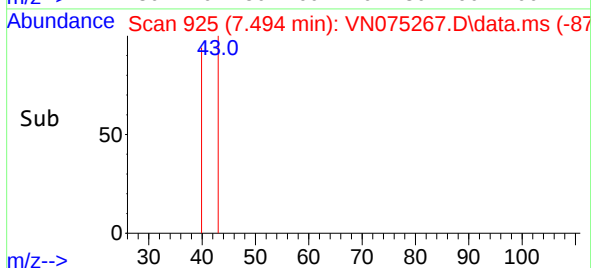
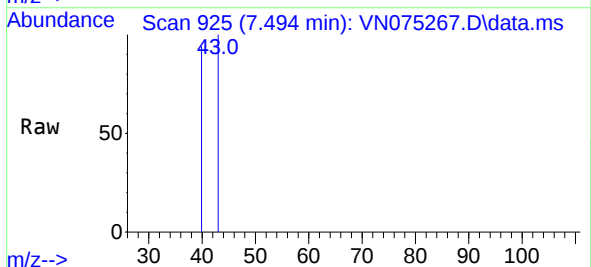


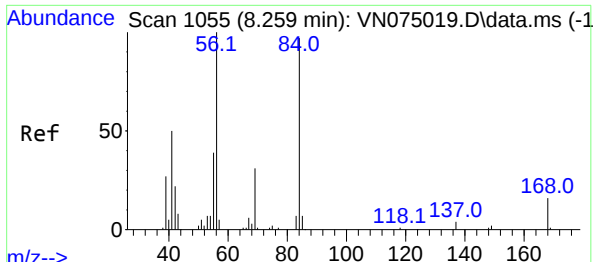
Tgt Ion: 84	Resp: 3923
Ion Ratio	Lower Upper
84 100	
49 99.9	94.9 142.3
51 29.1	26.8 40.2
86 66.1	53.7 80.5



#25
2-Butanone
Concen: 0.451 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

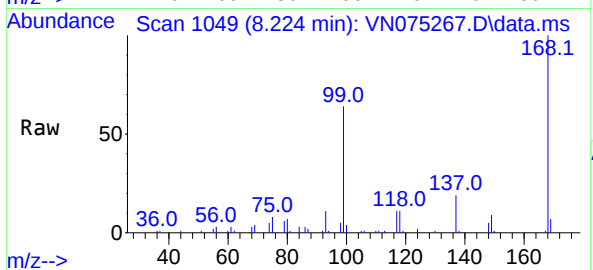
Tgt Ion: 43	Resp: 422
Ion Ratio	Lower Upper
43 100	
72 0.0	25.5 38.3#



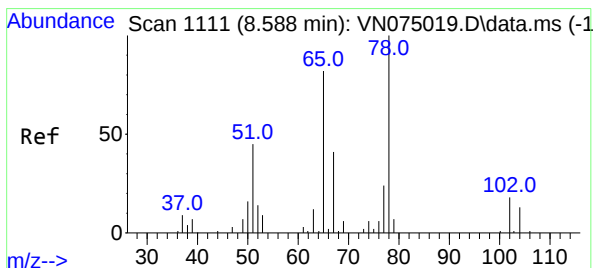
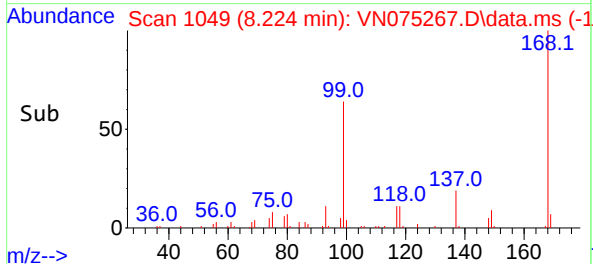
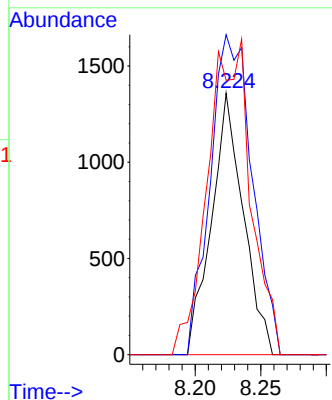


#31
Cyclohexane
Concen: 1.097 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Instrument :
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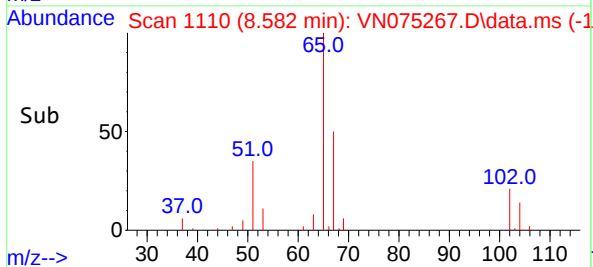
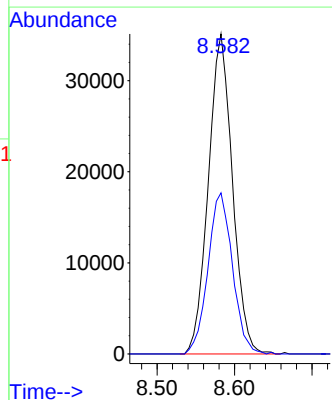
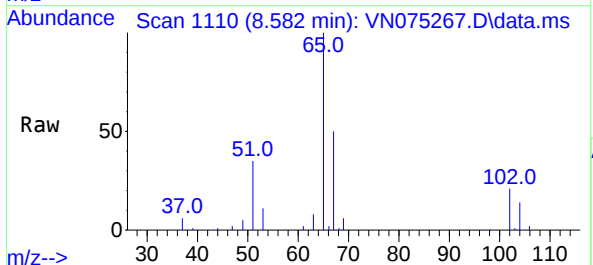


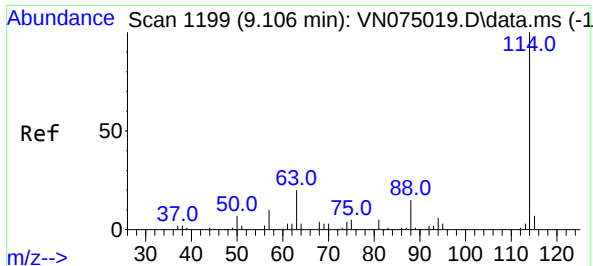
Tgt Ion: 56 Resp: 2295
Ion Ratio Lower Upper
56 100
69 122.4 25.2 37.8#
84 104.9 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 53.937 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 65 Resp: 75837
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0

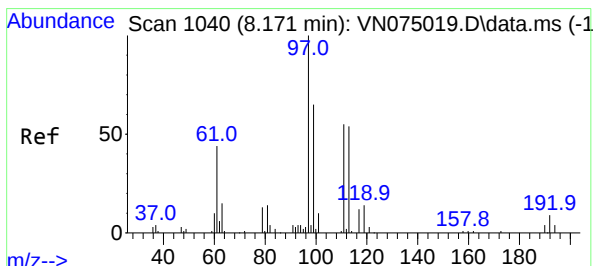
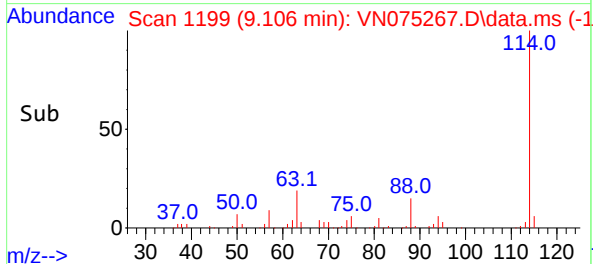
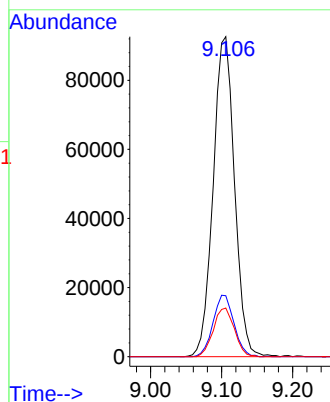
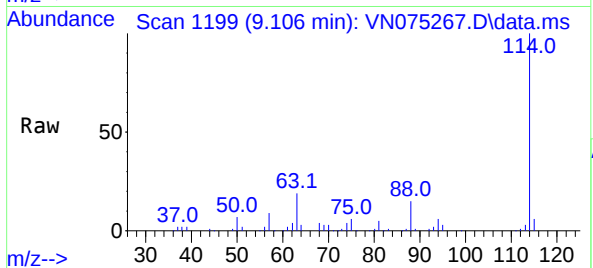




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

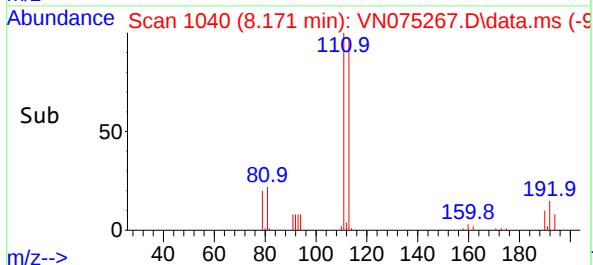
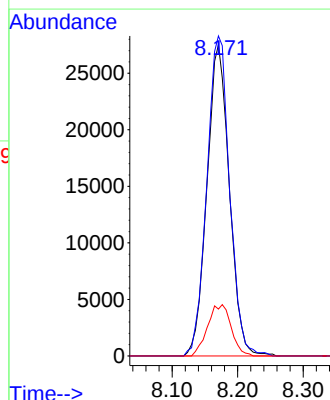
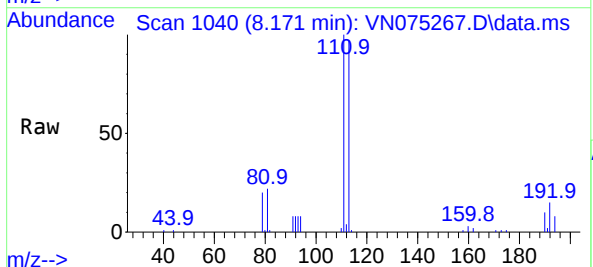
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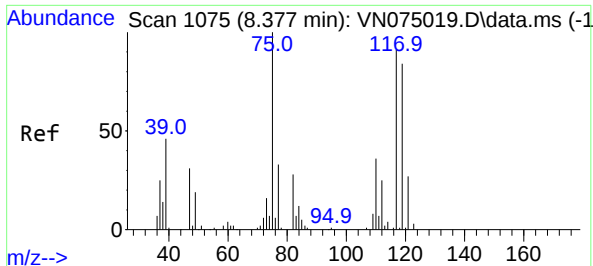
Tgt Ion:114 Resp: 193120
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 57.655 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion:113 Resp: 65364
Ion Ratio Lower Upper
113 100
111 104.5 80.5 120.7
192 17.4 13.2 19.8

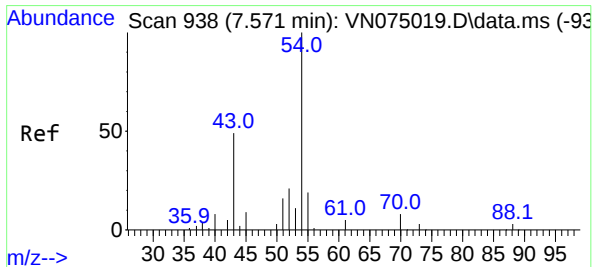
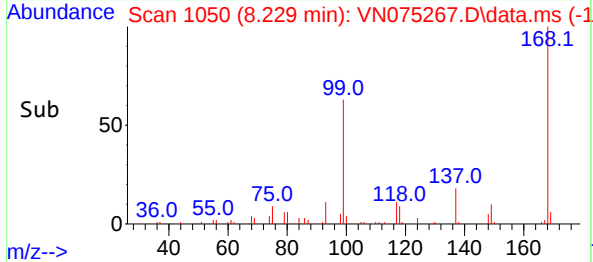
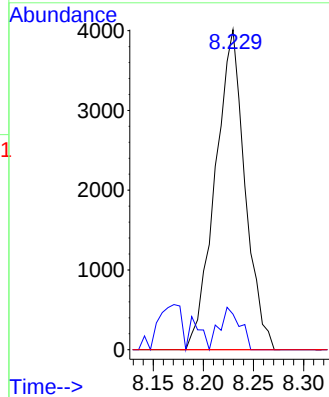
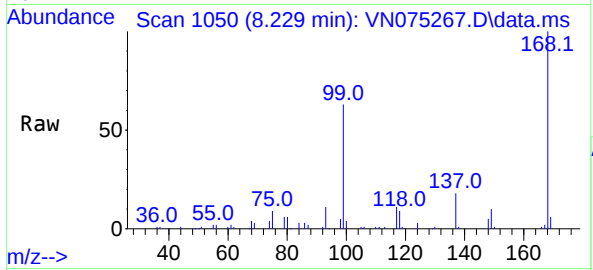




#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 8.229 min Scan# 1075
Delta R.T. -0.148 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

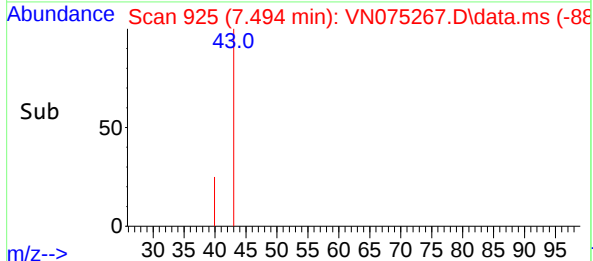
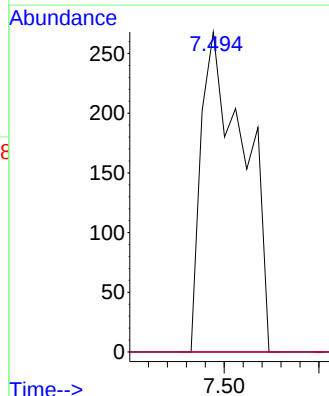
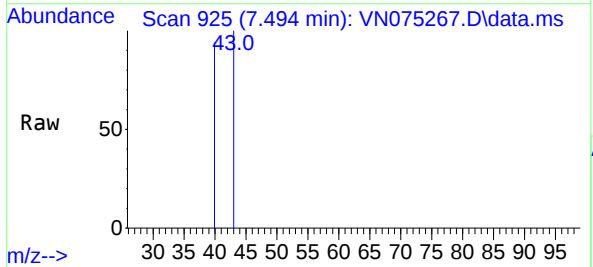
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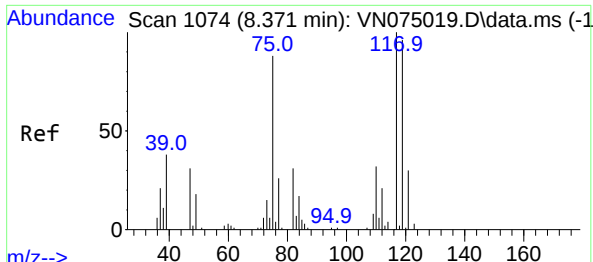
Tgt Ion: 75 Resp: 8278
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.219 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.077 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

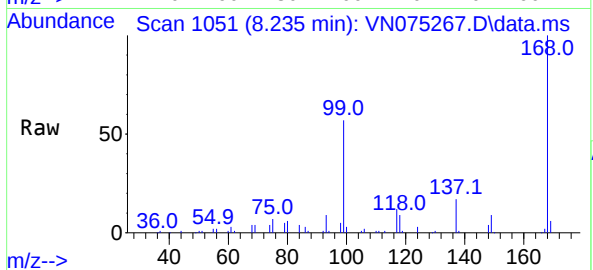
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



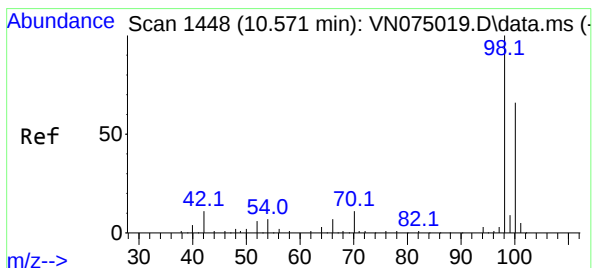
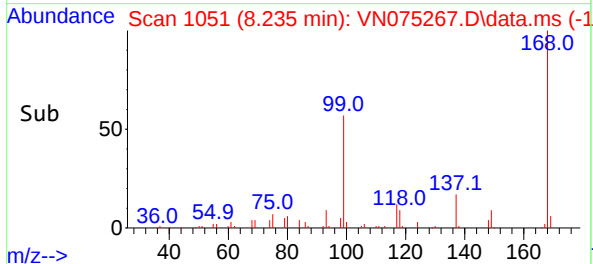
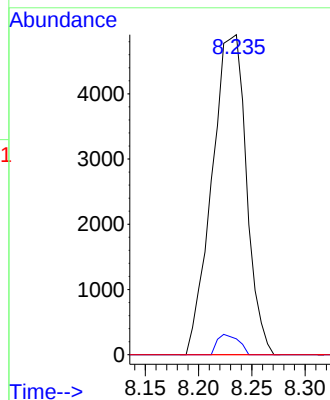


#38
Carbon Tetrachloride
Concen: 5.711 ug/l
RT: 8.235 min Scan# 1074
Delta R.T. -0.136 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

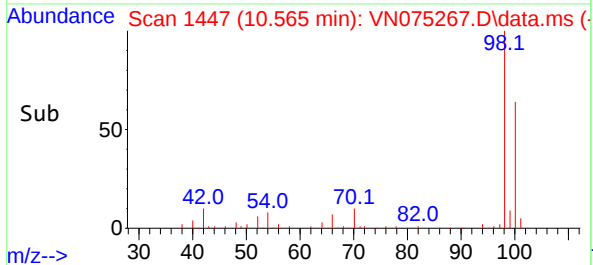
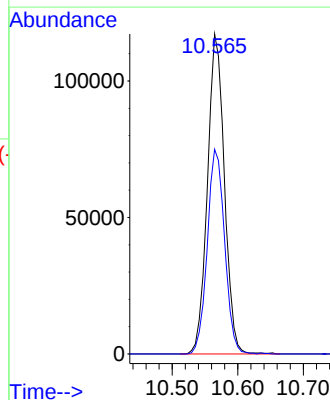
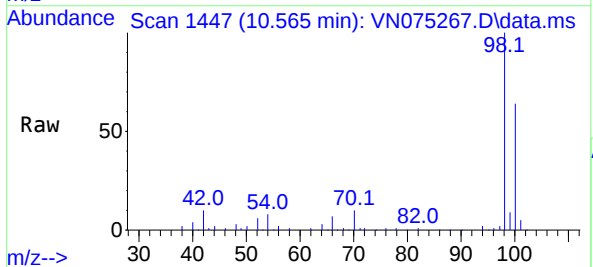


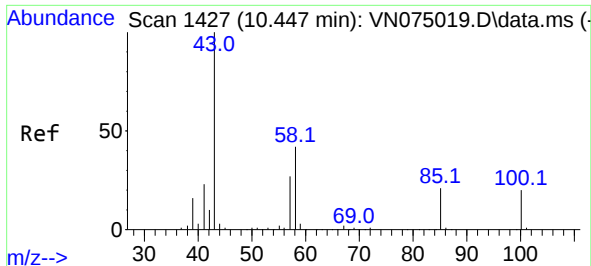
Tgt Ion:117 Resp: 11027
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 48.013 ug/l
RT: 10.565 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 98 Resp: 211184
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 0.239 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN075267.D

Acq: 14 Nov 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

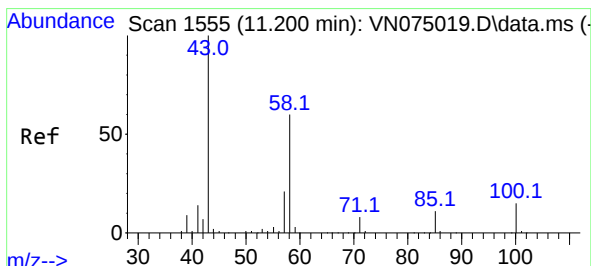
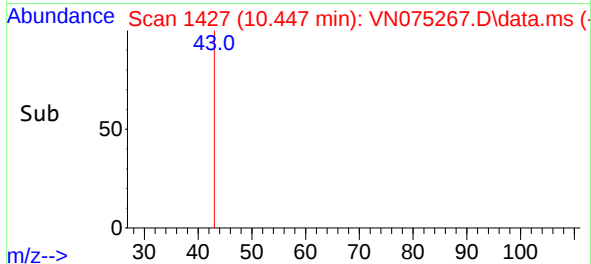
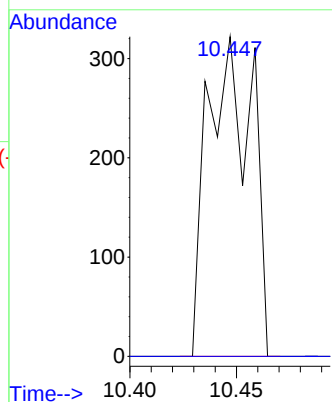
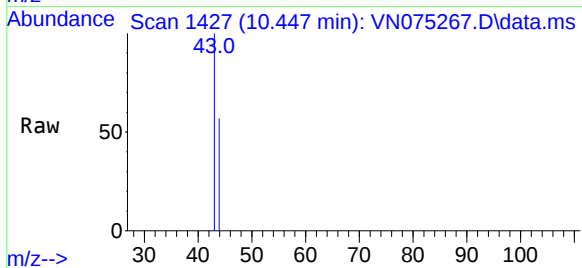
PB148994TB

Tgt Ion: 43 Resp: 460

Ion Ratio Lower Upper

43 100

58 0.0 33.6 50.4#



#59

2-Hexanone

Concen: 0.320 ug/l

RT: 11.194 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VN075267.D

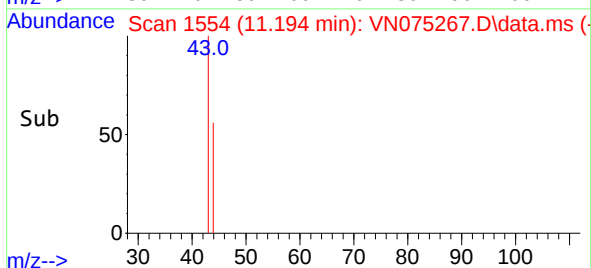
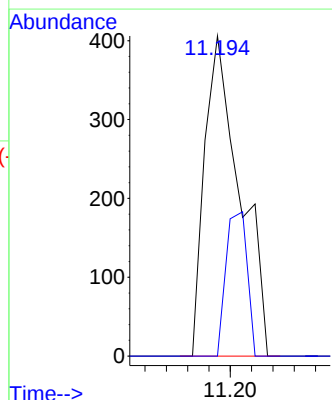
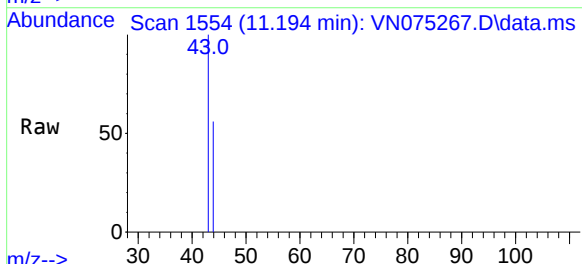
Acq: 14 Nov 2022 16:03

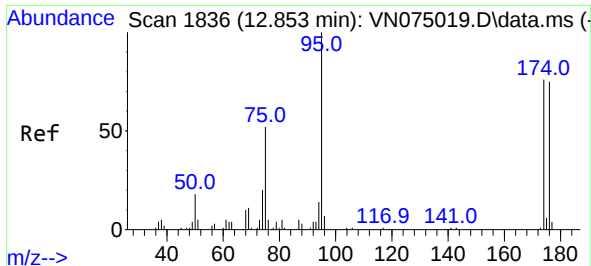
Tgt Ion: 43 Resp: 468

Ion Ratio Lower Upper

43 100

58 26.9 29.6 88.8#

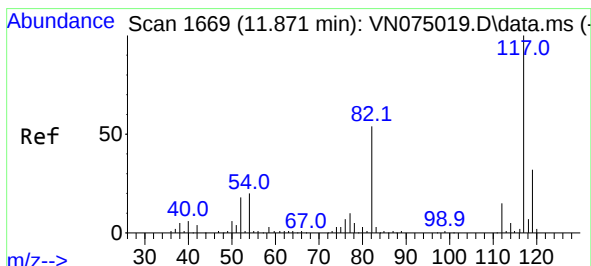
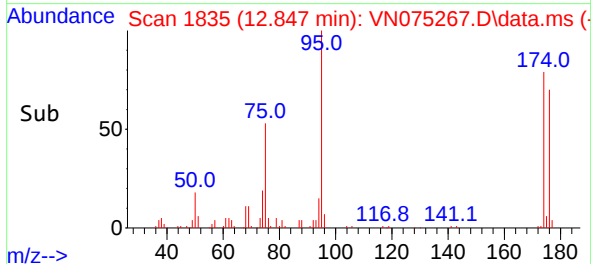
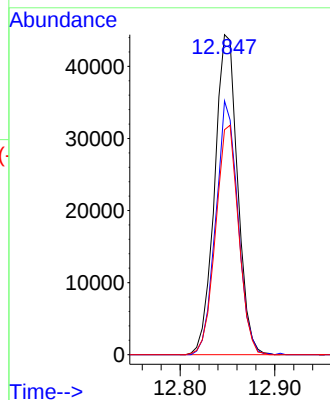
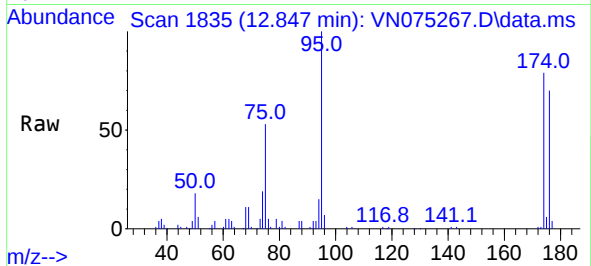




#62
4-Bromofluorobenzene
Concen: 48.540 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

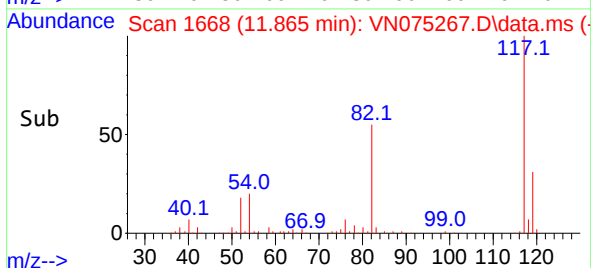
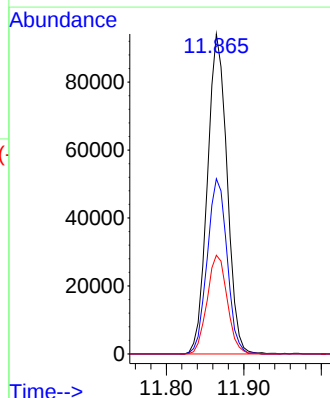
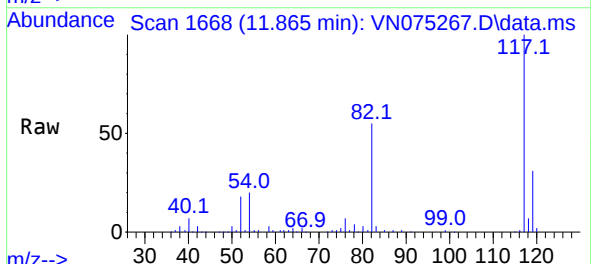
Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

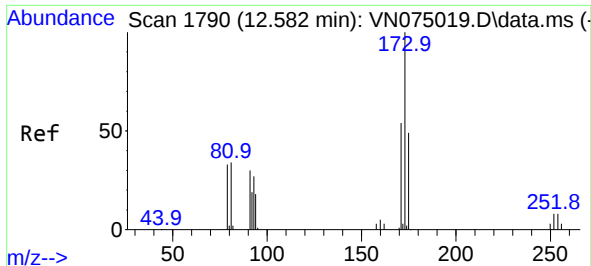
Tgt Ion: 95 Resp: 74999
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.4
176 71.5 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 117 Resp: 165753
Ion Ratio Lower Upper
117 100
82 54.7 43.1 64.7
119 30.8 25.5 38.3

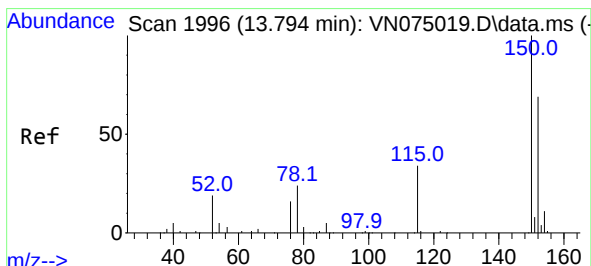
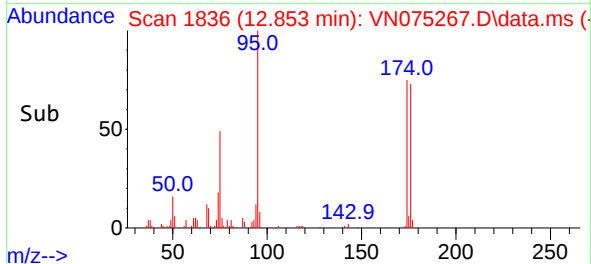
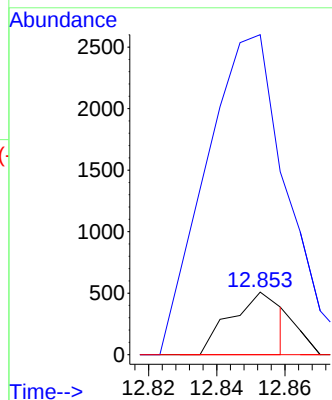
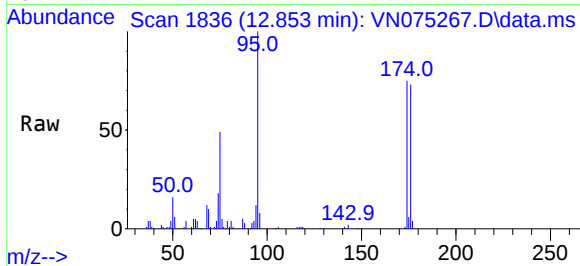




#71
Bromoform
Concen: 0.540 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

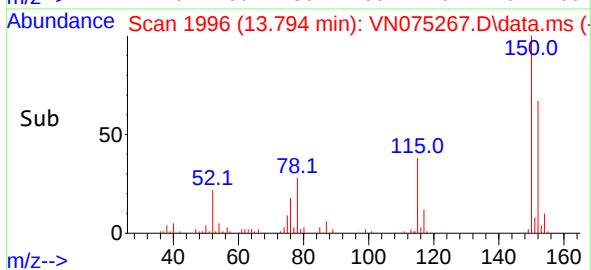
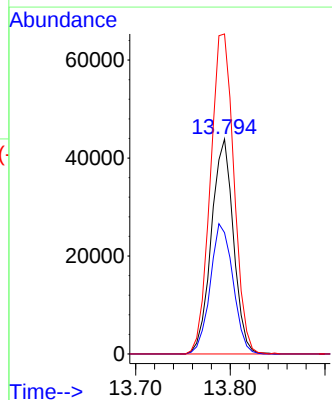
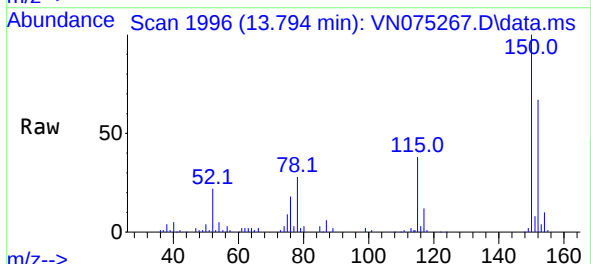
Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

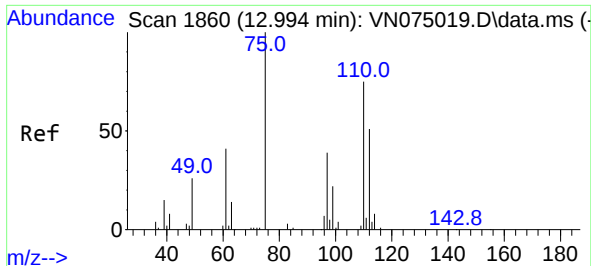
Tgt Ion:173 Resp: 531
Ion Ratio Lower Upper
173 100
175 707.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion:152 Resp: 71298
Ion Ratio Lower Upper
152 100
115 62.4 30.2 90.6
150 158.4 0.0 348.4

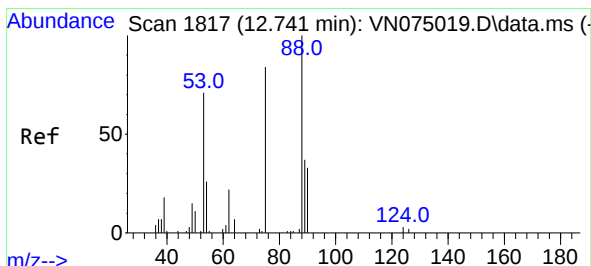
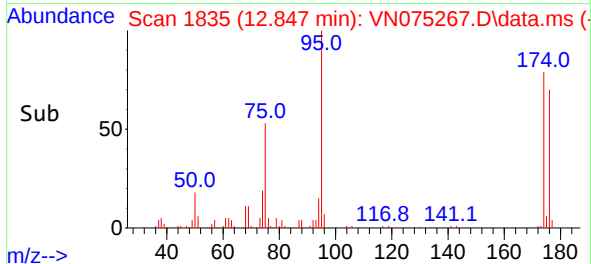
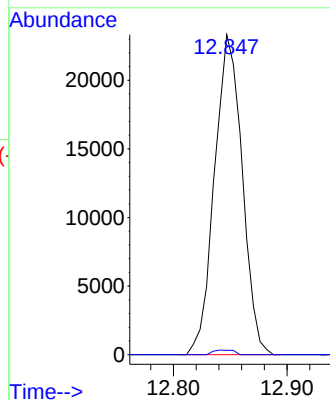
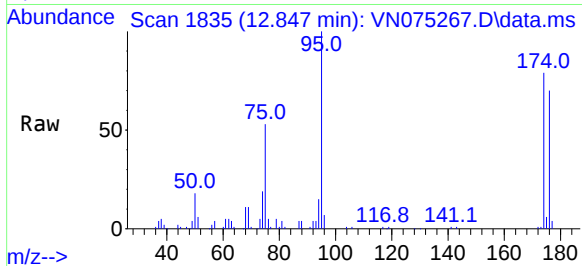




#76
1,2,3-Trichloropropane
Concen: 26.108 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

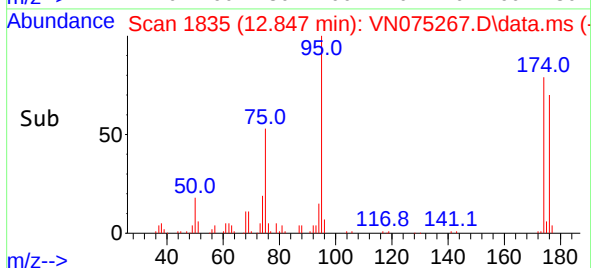
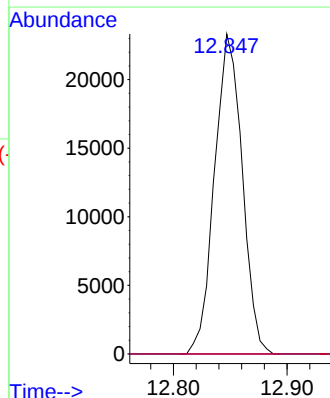
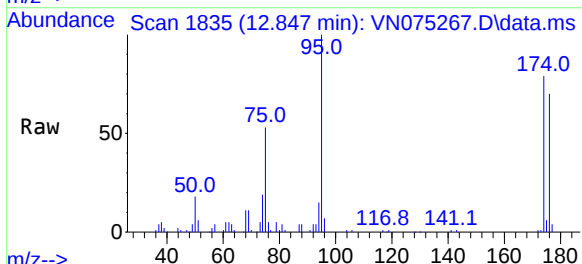
Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

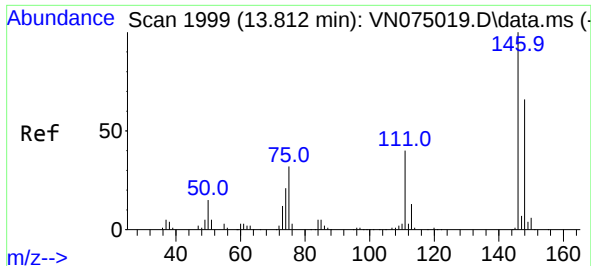
Tgt Ion: 75 Resp: 39524
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.020 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion: 75 Resp: 39524
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

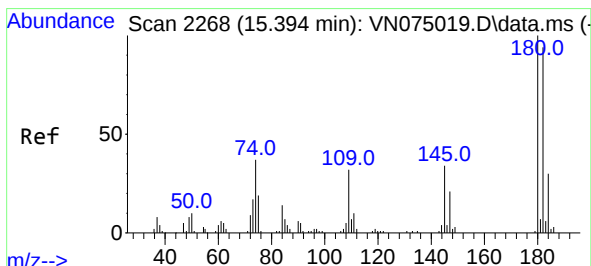
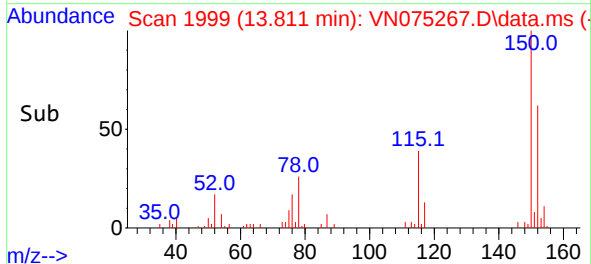
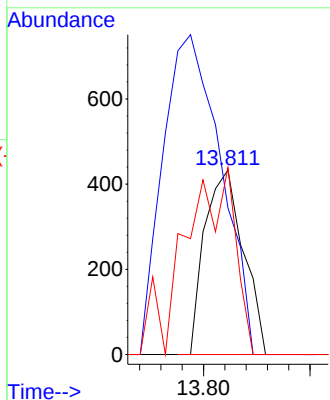
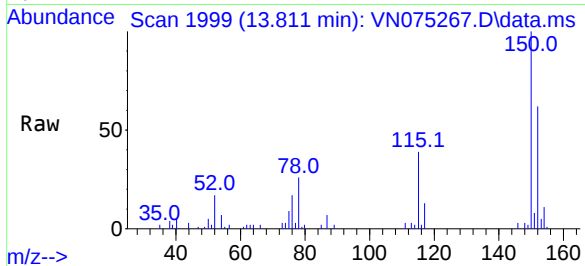




#88
1,4-Dichlorobenzene
Concen: 0.224 ug/l
RT: 13.811 min Scan# 1999
Delta R.T. -0.001 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

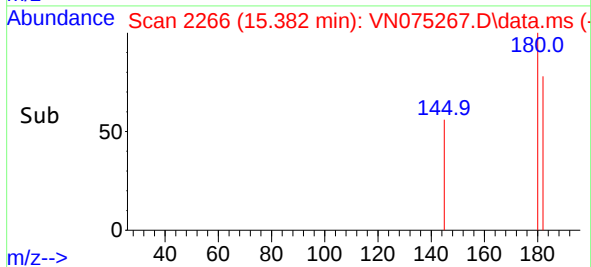
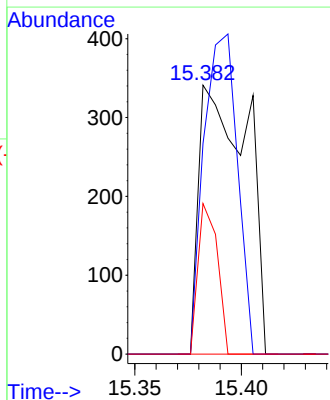
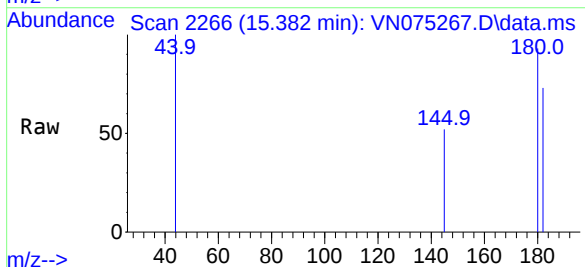
Instrument :
MSVOA_N
ClientSampleId :
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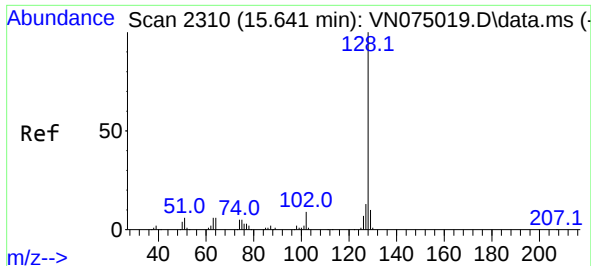
Tgt Ion:146 Resp: 546
Ion Ratio Lower Upper
146 100
111 260.3 20.1 60.3#
148 132.4 31.9 95.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.505 ug/l
RT: 15.382 min Scan# 2266
Delta R.T. -0.012 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion:180 Resp: 533
Ion Ratio Lower Upper
180 100
182 83.3 47.8 143.4
145 22.7 16.8 50.3

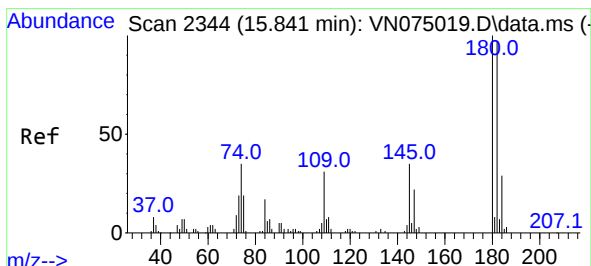
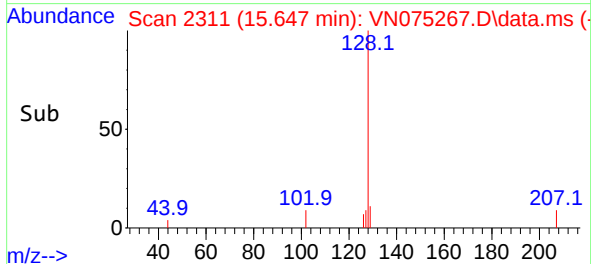
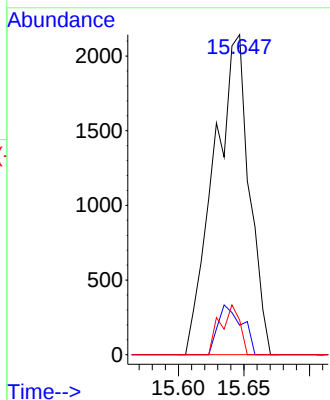
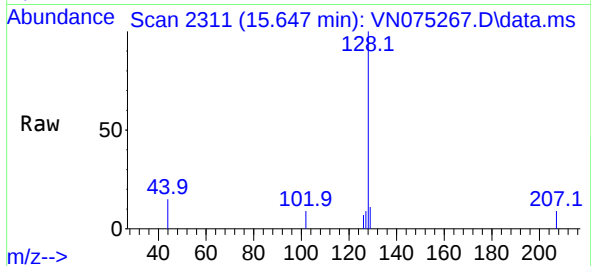




#95
Naphthalene
Concen: 0.988 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Instrument :
MSVOA_N
ClientSampleId :
PB148994TB

Tgt Ion:	128	Resp:	4012
Ion	Ratio	Lower	Upper
128	100		
127	10.6	10.4	15.6
129	8.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.700 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075267.D
Acq: 14 Nov 2022 16:03

Tgt Ion:	180	Resp:	734
Ion	Ratio	Lower	Upper
180	100		
182	72.2	47.3	141.8
145	9.4	17.6	52.9#

