

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075761.D
 Acq On : 14 Dec 2022 09:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 15 00:24:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

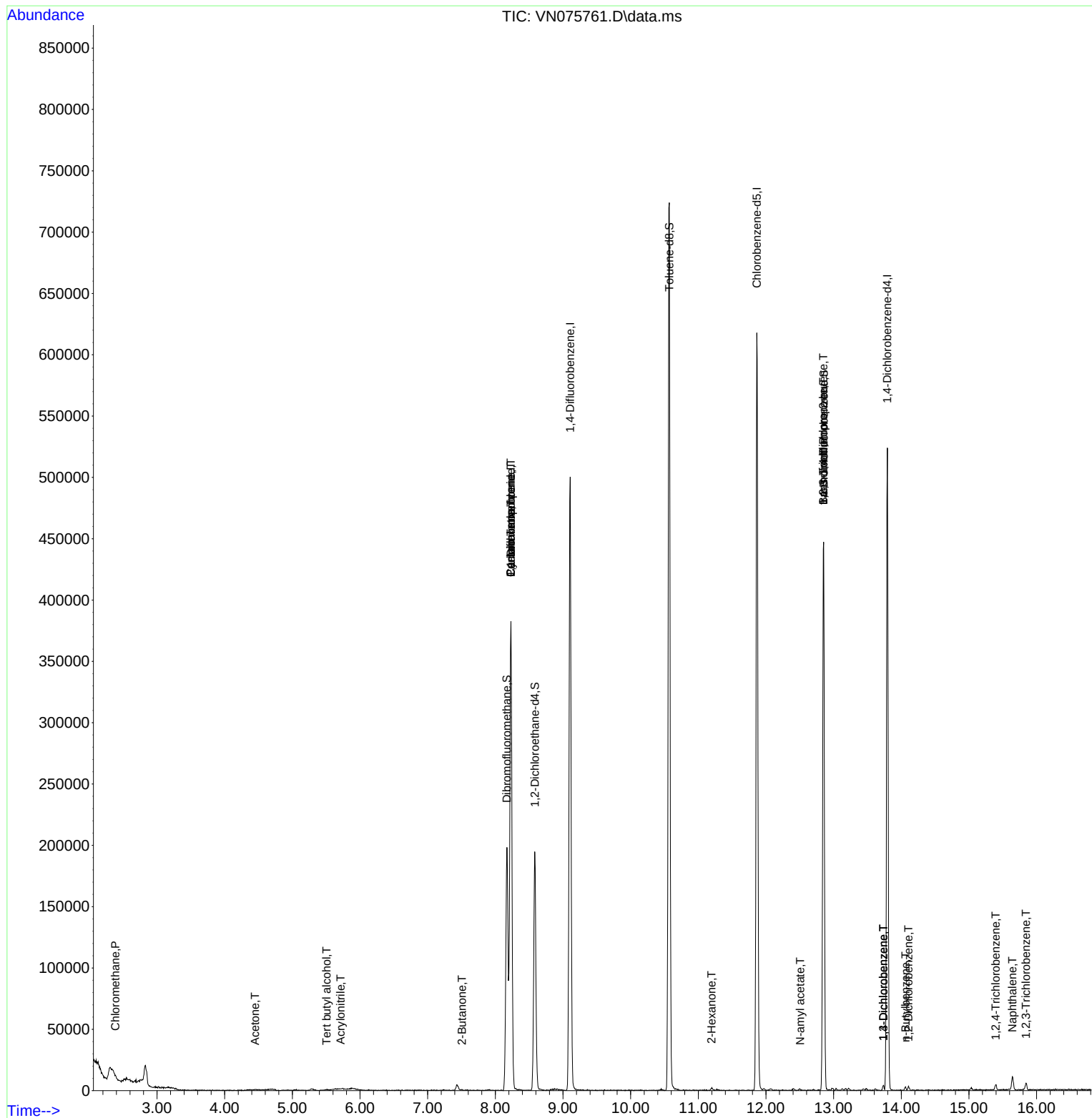
Internal Standards						
1) Pentafluorobenzene	8.230	168	295335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	464371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	149973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	154929	48.220	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.440%		
35) Dibromofluoromethane	8.171	113	141004	49.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.060%		
50) Toluene-d8	10.571	98	530745	49.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.720%		
62) 4-Bromofluorobenzene	12.853	95	151747	42.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.220%		
Target Compounds					Qvalue	
3) Chloromethane	2.383	50	595	0.228	ug/l #	40
11) Tert butyl alcohol	5.506	59	199	0.438	ug/l #	72
15) Acrylonitrile	5.712	53	255	0.206	ug/l #	73
16) Acetone	4.448	43	571	0.516	ug/l #	39
20) Methylene Chloride	5.283	84	1161	Below Cal	#	77
25) 2-Butanone	7.506	43	536	0.346	ug/l #	40
31) Cyclohexane	8.230	56	5415	1.177	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	20864	5.462	ug/l #	49
38) Carbon Tetrachloride	8.230	117	28897	6.759	ug/l #	16
59) 2-Hexanone	11.194	43	1627	0.729	ug/l	95
71) Bromoform	12.847	173	899	0.418	ug/l #	1
74) N-amyl acetate	12.506	43	849	0.267	ug/l #	65
76) 1,2,3-Trichloropropane	12.847	75	78027	25.810	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78027	92.904	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1552	0.306	ug/l	97
88) 1,4-Dichlorobenzene	13.735	146	1552	0.300	ug/l	96
89) n-Butylbenzene	14.065	91	2133	0.287	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	1618	0.324	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	2049	0.829	ug/l	98
95) Naphthalene	15.641	128	12213	3.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	2561	1.109	ug/l	95

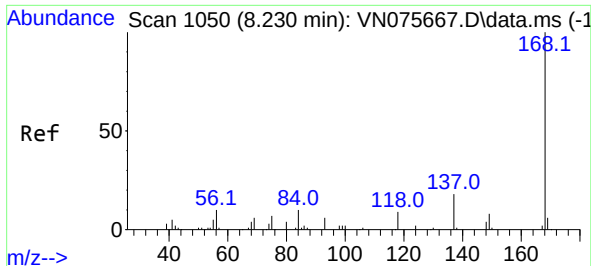
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
Data File : VN075761.D
Acq On : 14 Dec 2022 09:45
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Dec 15 00:24:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

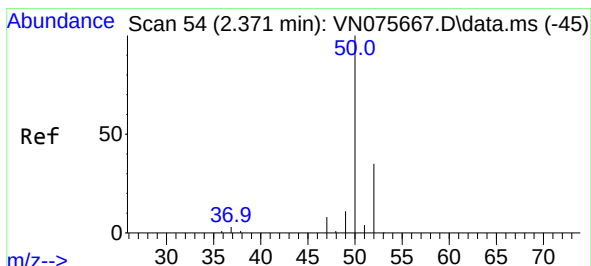
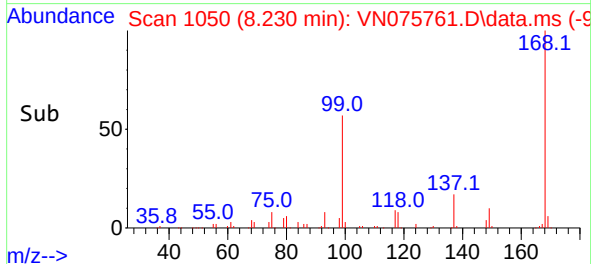
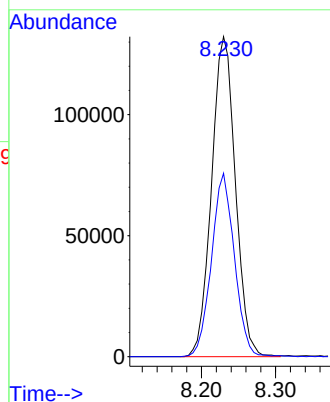
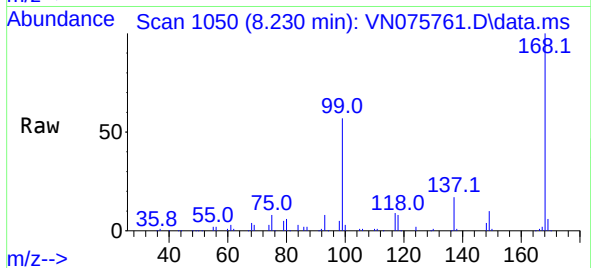




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

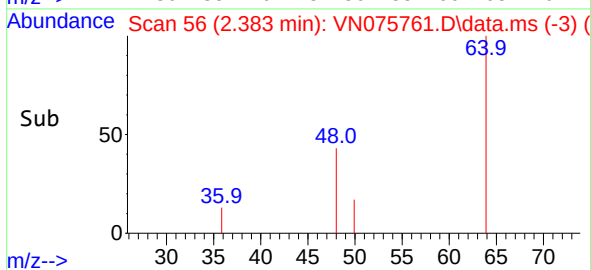
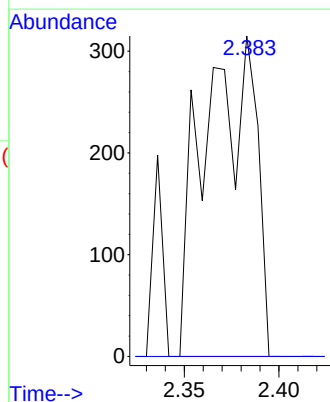
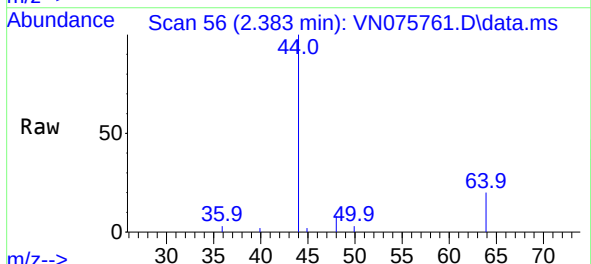
Instrument :
MSVOA_N
ClientSampleId :
IBLK

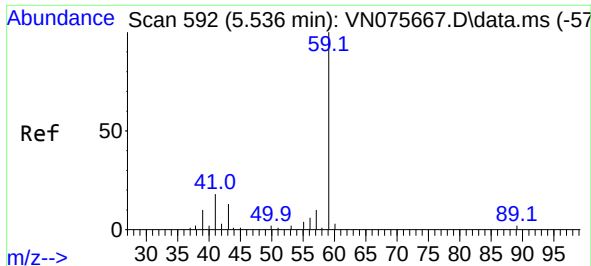
Tgt Ion:168 Resp: 295335
Ion Ratio Lower Upper
168 100
99 57.3 44.2 66.4



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.012 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#

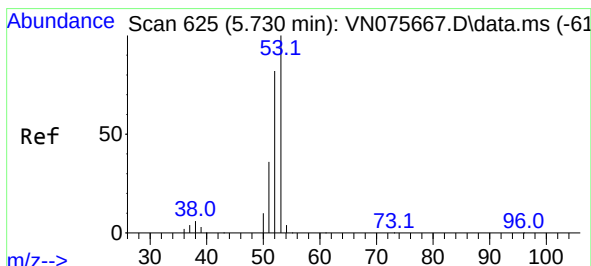
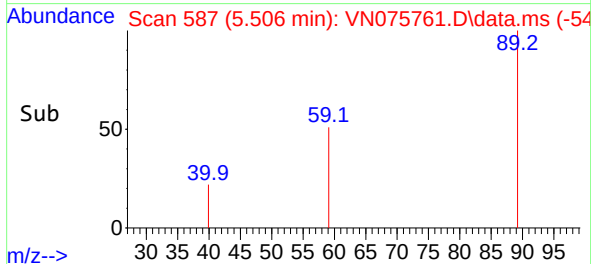
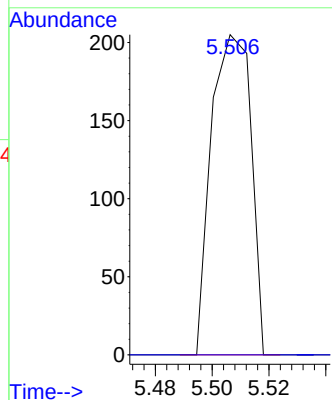
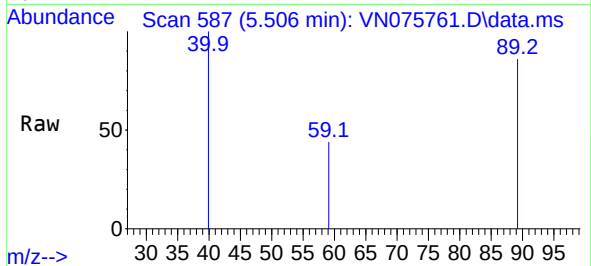




#11
Tert butyl alcohol
Concen: 0.438 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.029 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

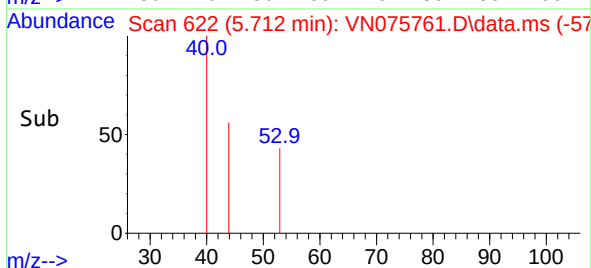
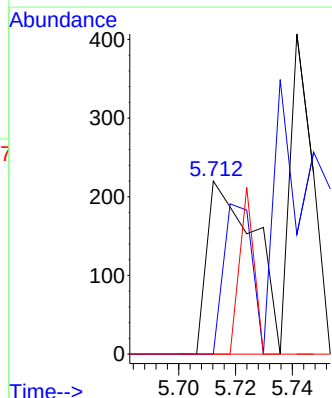
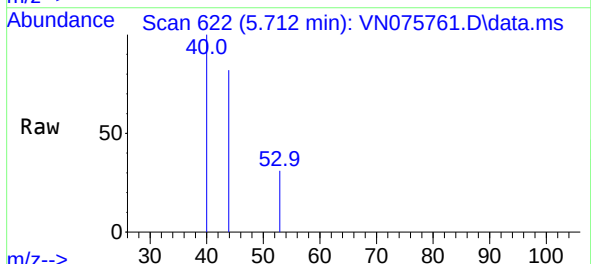
Instrument :
MSVOA_N
ClientSampleId :
IBLK

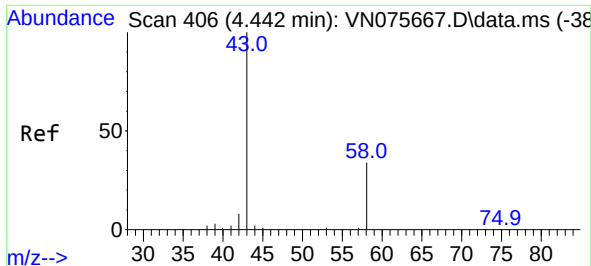
Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#15
Acrylonitrile
Concen: 0.206 ug/l
RT: 5.712 min Scan# 622
Delta R.T. -0.012 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 53 Resp: 255
Ion Ratio Lower Upper
53 100
52 51.8 65.4 98.0#
51 29.4 28.9 43.3





#16

Acetone

Concen: 0.516 ug/l

RT: 4.448 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

Instrument :

MSVOA_N

ClientSampleId :

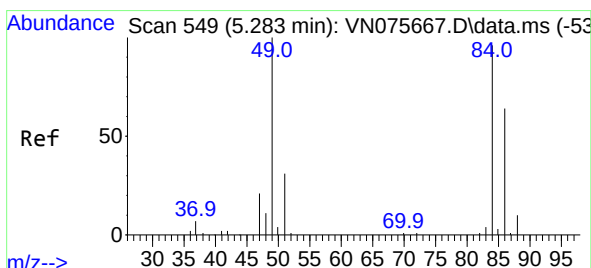
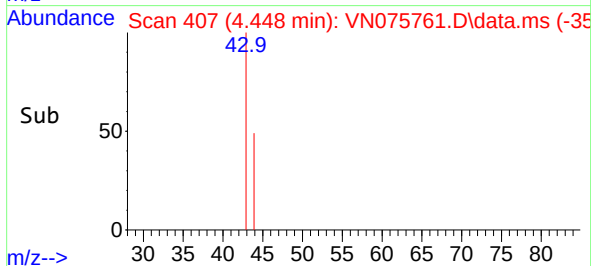
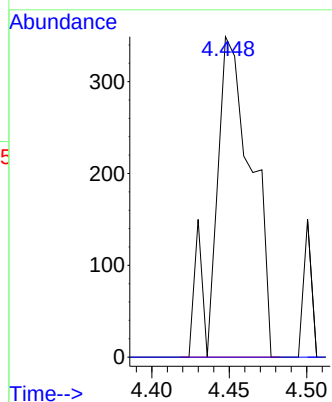
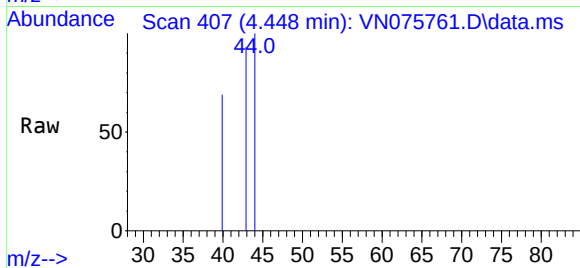
IBLK

Tgt Ion: 43 Resp: 571

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 549

Delta R.T. -0.006 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

Tgt Ion: 84 Resp: 1161

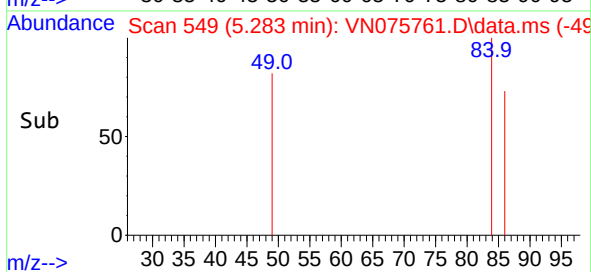
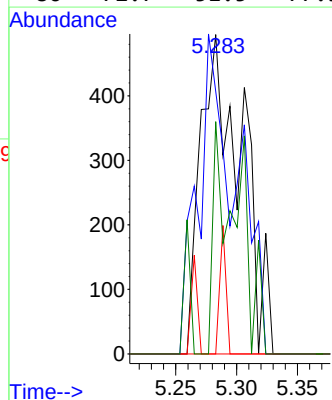
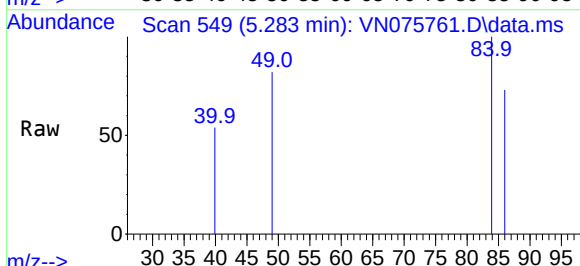
Ion Ratio Lower Upper

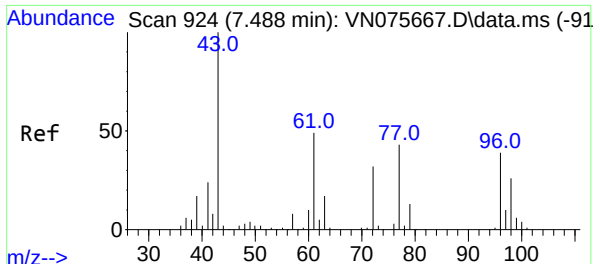
84 100

49 82.2 81.8 122.6

51 0.0 26.7 40.1#

86 72.7 51.5 77.3

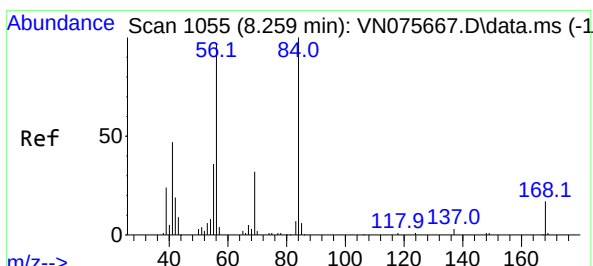
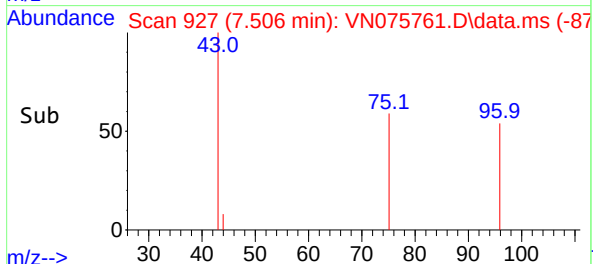
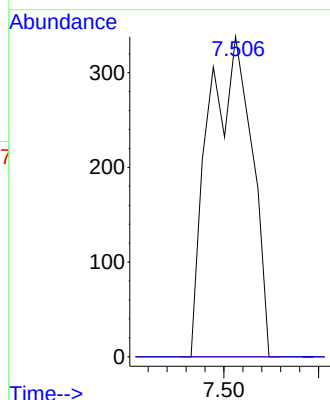
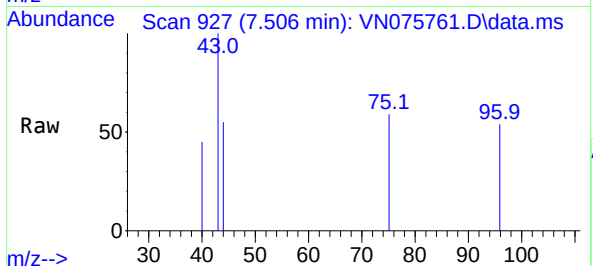




#25
2-Butanone
Concen: 0.346 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

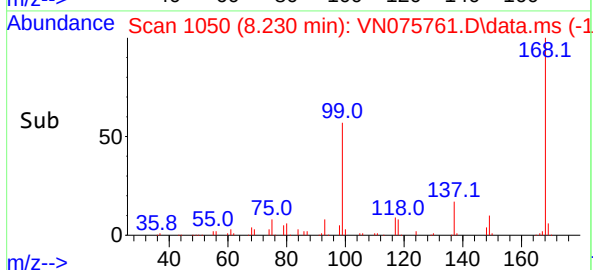
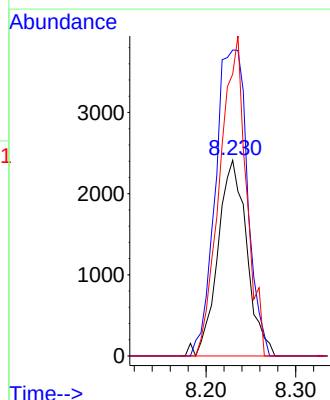
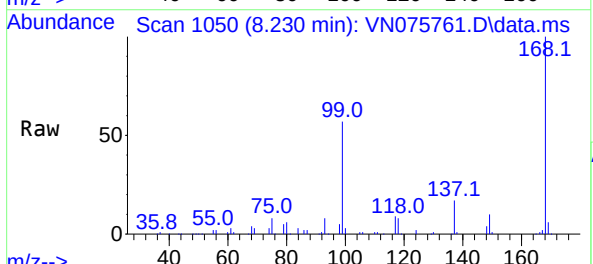
Instrument :
MSVOA_N
ClientSampleId :
IBLK

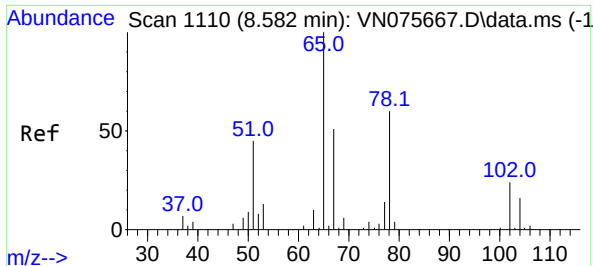
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 56 Resp: 5415
Ion Ratio Lower Upper
56 100
69 156.4 24.7 37.1#
84 144.0 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 48.220 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

Instrument :

MSVOA_N

ClientSampleId :

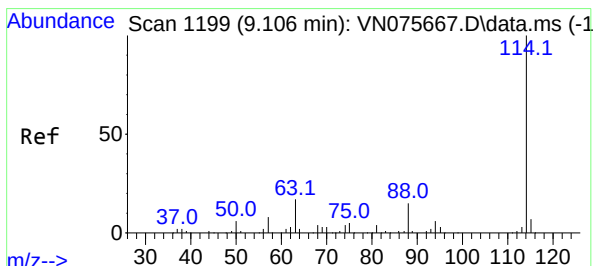
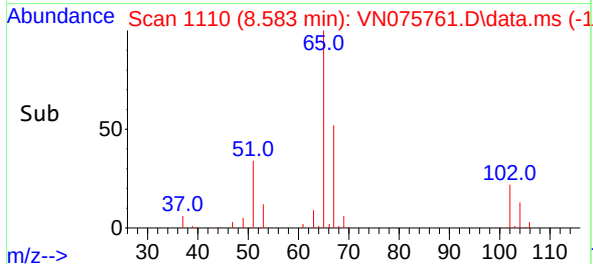
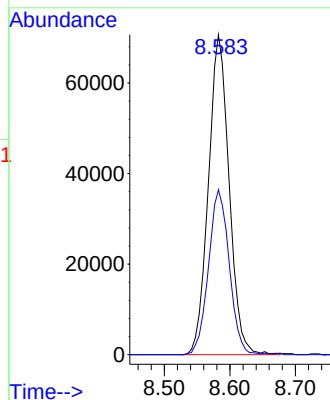
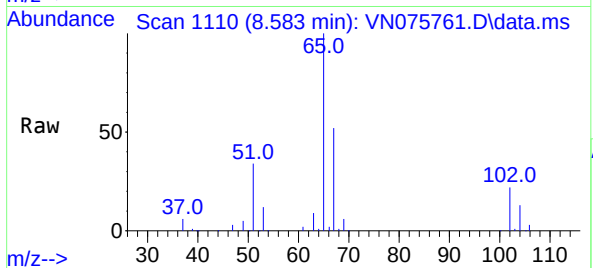
IBLK

Tgt Ion: 65 Resp: 154929

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

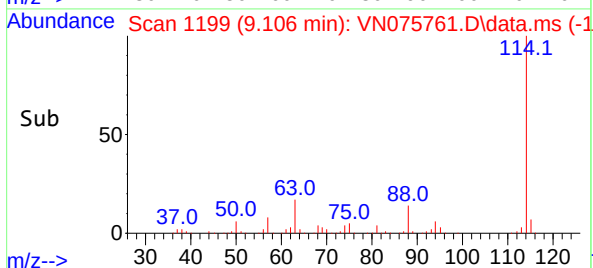
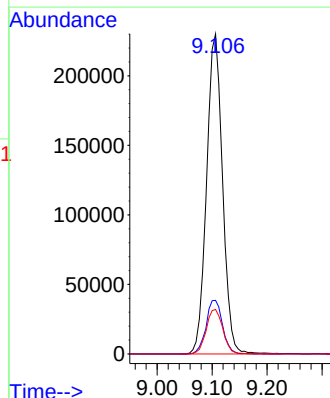
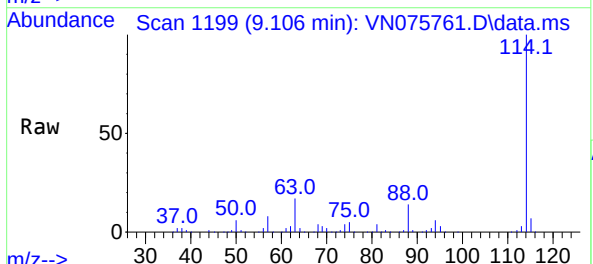
Tgt Ion: 114 Resp: 464371

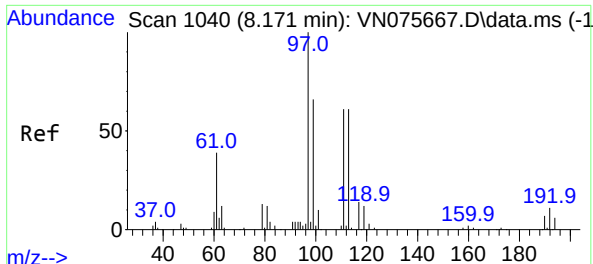
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.4

88 13.9 0.0 28.8

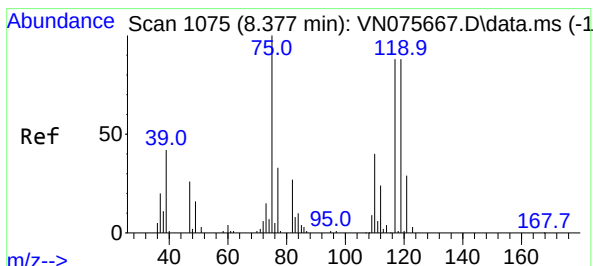
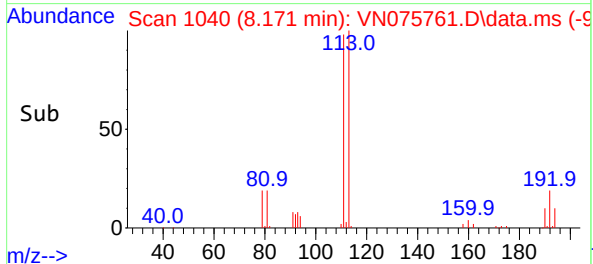
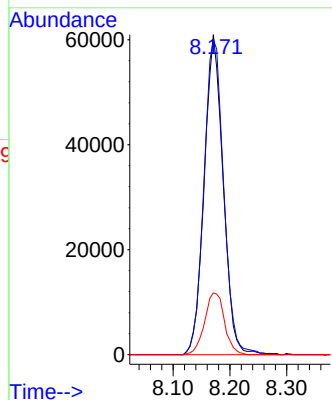
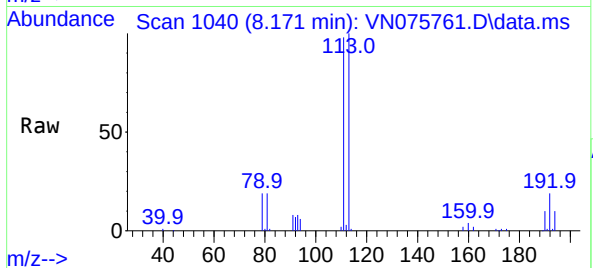




#35
Dibromofluoromethane
Concen: 49.032 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

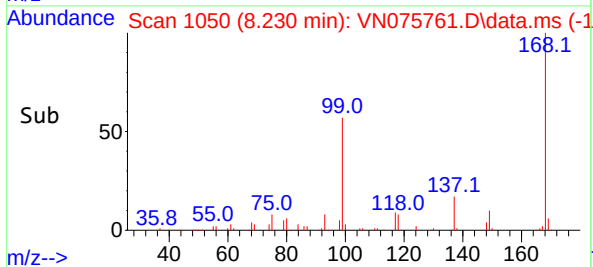
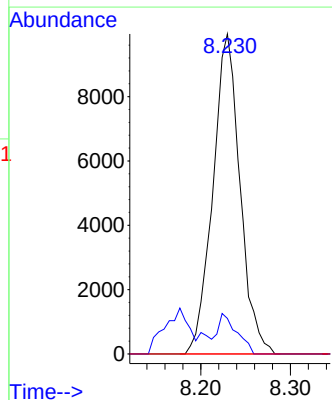
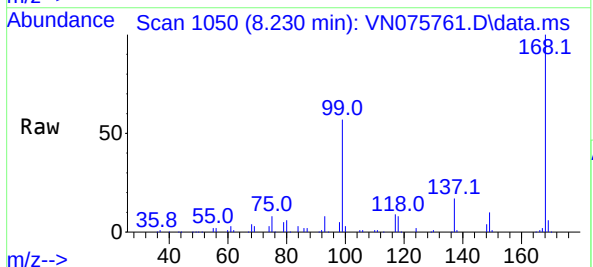
Instrument :
MSVOA_N
ClientSampleId :
IBLK

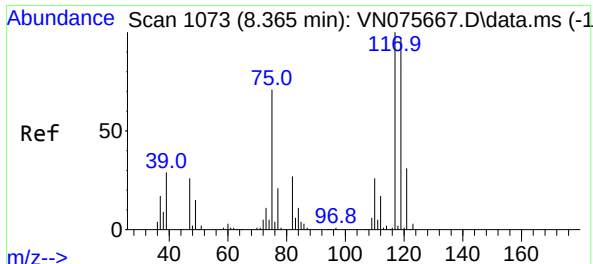
Tgt Ion:113 Resp: 141004
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 20.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.462 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 75 Resp: 20864
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 24.1 36.1#

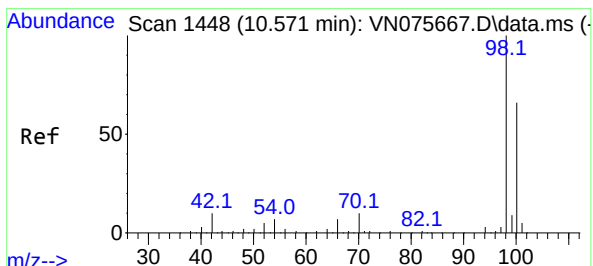
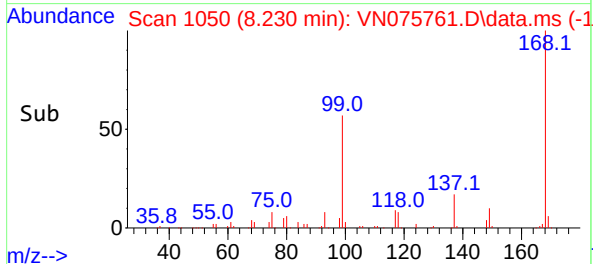
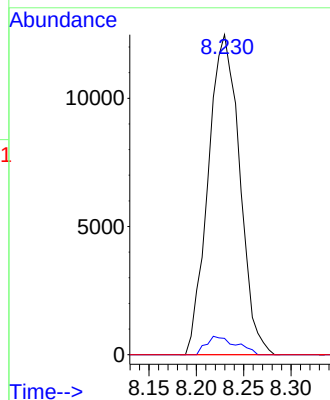
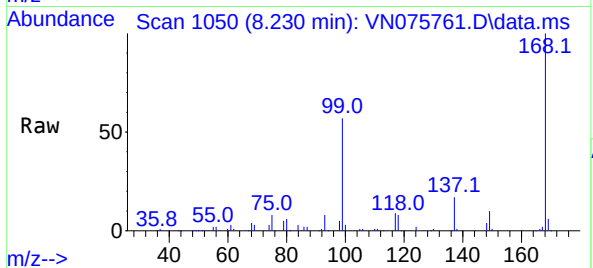




#38
Carbon Tetrachloride
Concen: 6.759 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

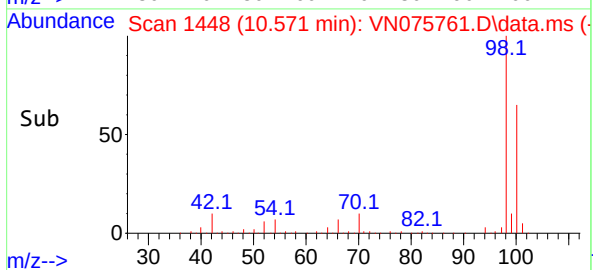
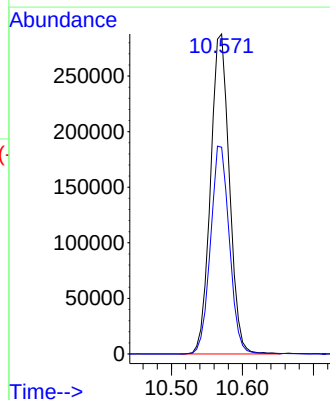
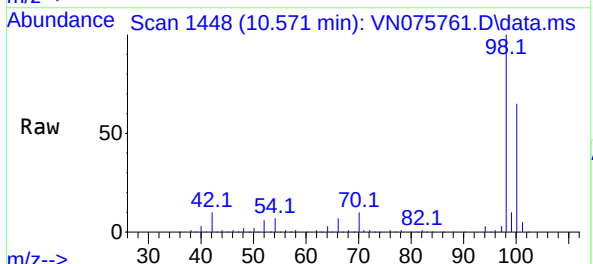
Instrument :
MSVOA_N
ClientSampleId :
IBLK

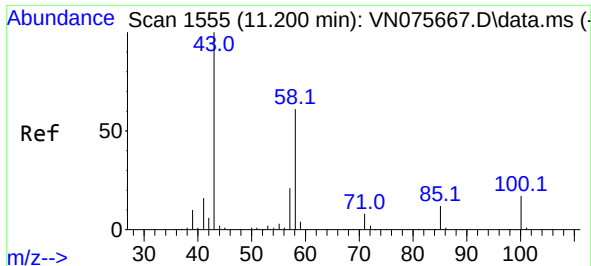
Tgt Ion:117 Resp: 28897
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.361 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 98 Resp: 530745
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

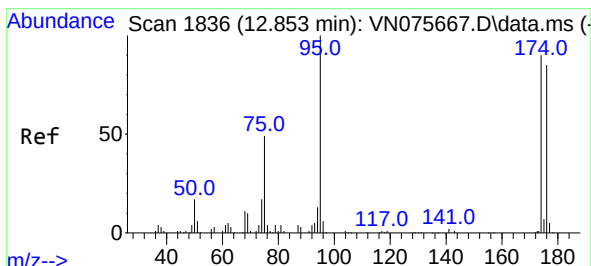
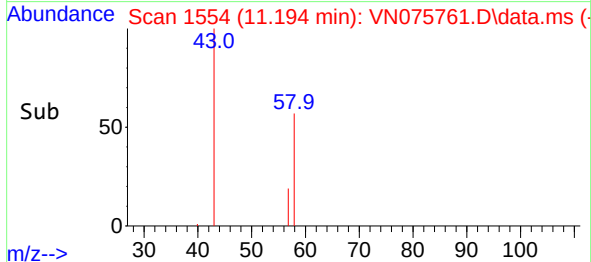
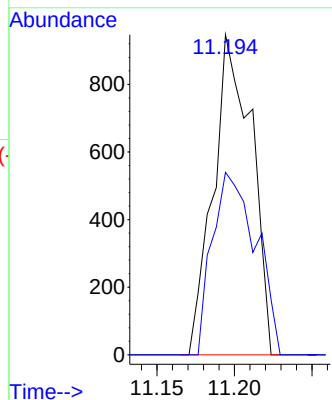
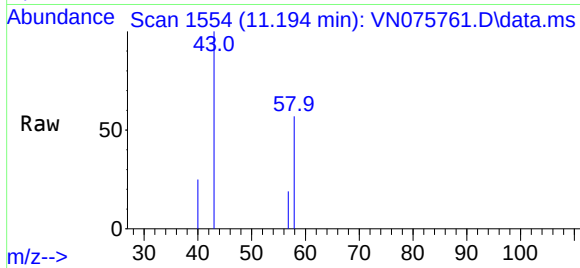




#59
2-Hexanone
Concen: 0.729 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

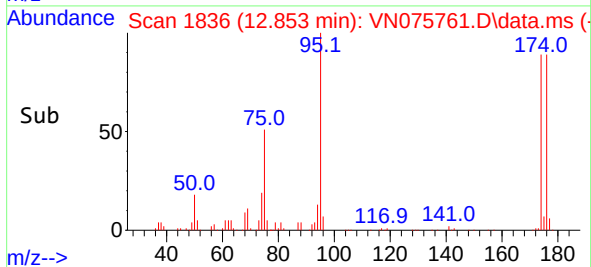
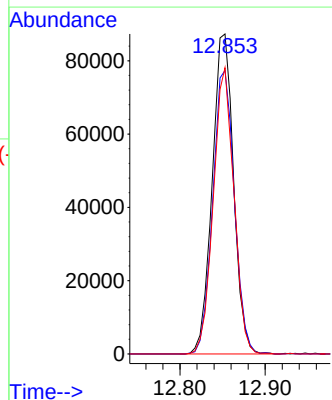
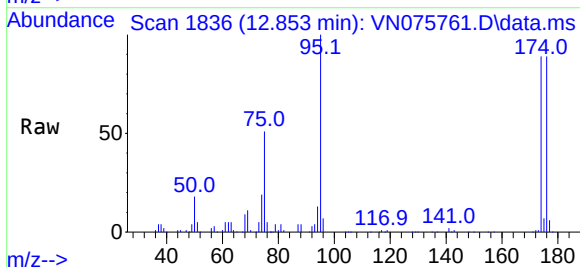
Instrument :
MSVOA_N
ClientSampleId :
IBLK

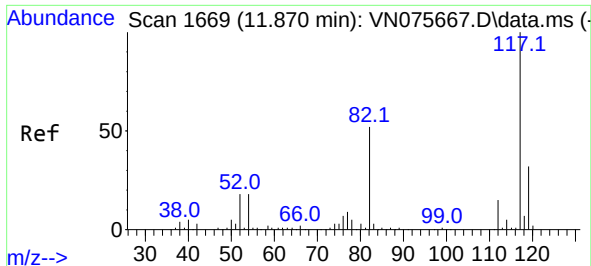
Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
58 65.0 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 42.611 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 95 Resp: 151747
Ion Ratio Lower Upper
95 100
174 89.6 0.0 171.6
176 86.4 0.0 169.2

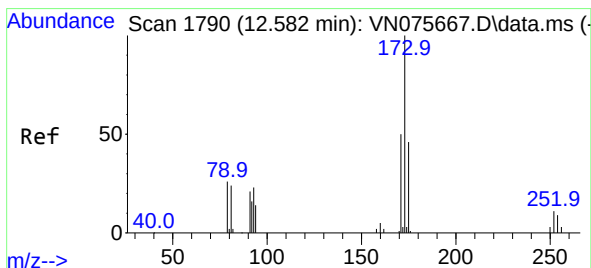
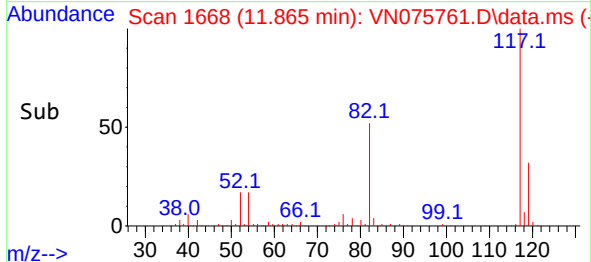
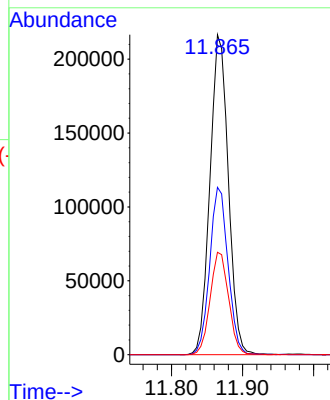
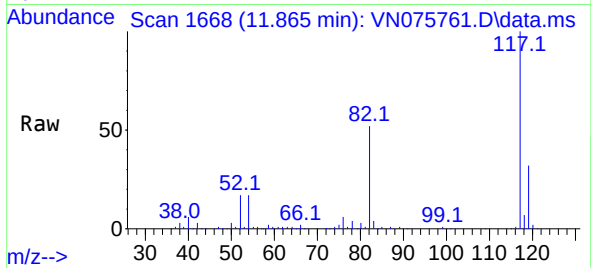




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

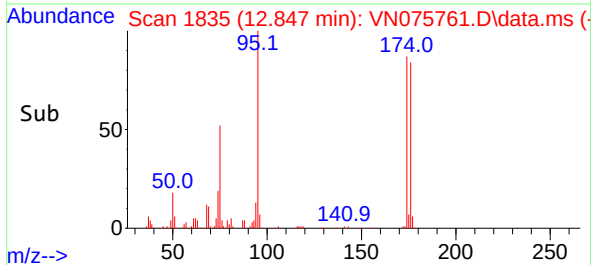
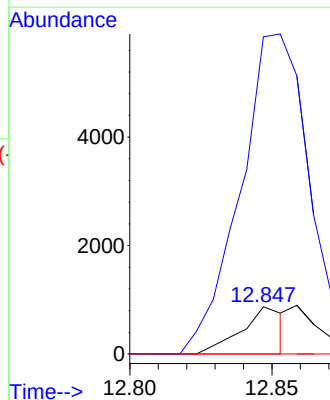
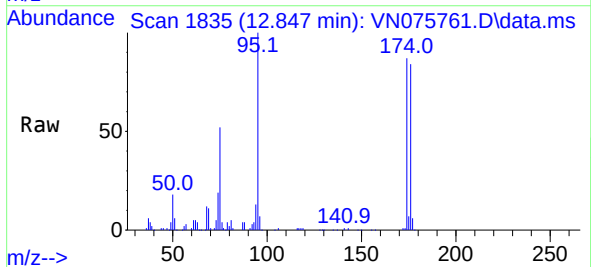
Instrument :
MSVOA_N
ClientSampleId :
IBLK

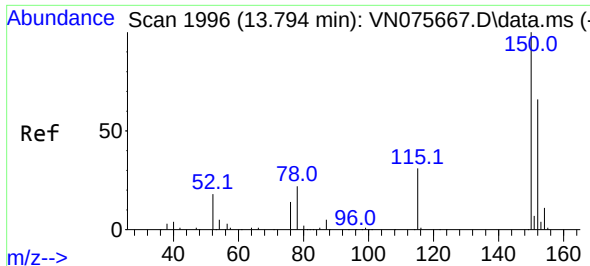
Tgt Ion:117 Resp: 388812
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 32.0 24.6 37.0



#71
Bromoform
Concen: 0.418 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion:173 Resp: 899
Ion Ratio Lower Upper
173 100
175 942.4 24.3 72.8#
254 0.0 0.0 0.0

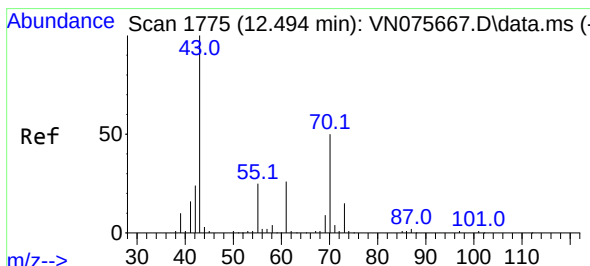
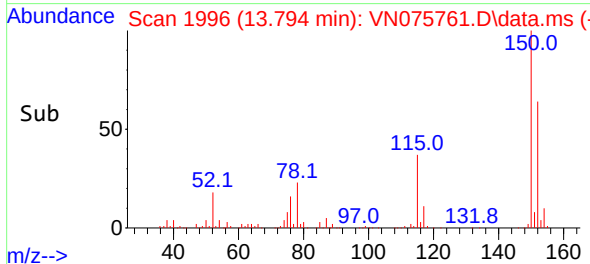
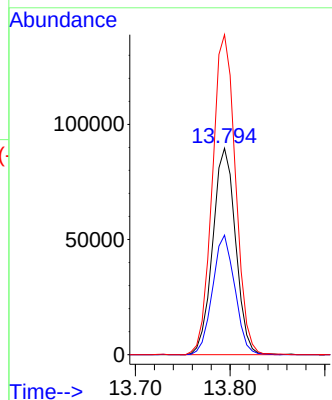
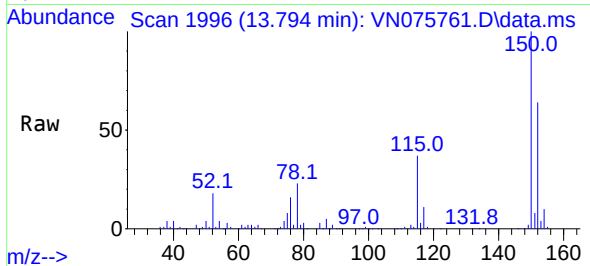




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

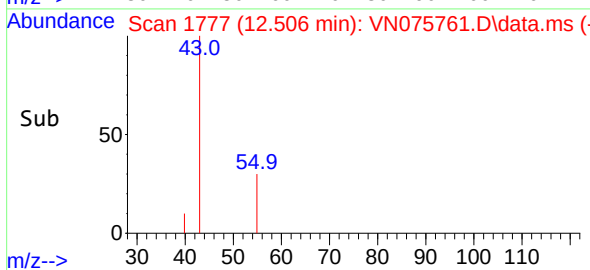
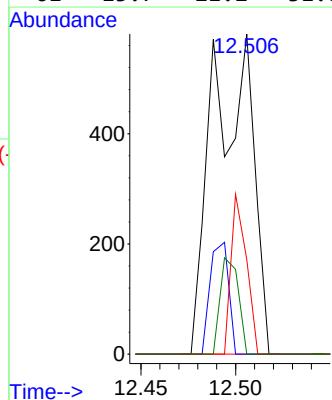
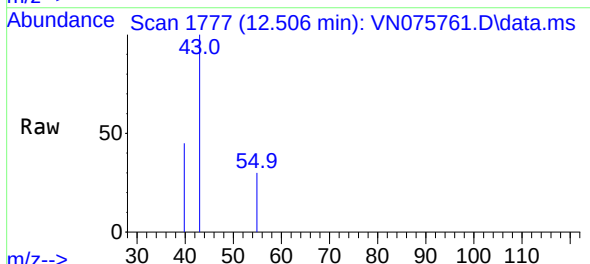
Instrument :
MSVOA_N
ClientSampleId :
IBLK

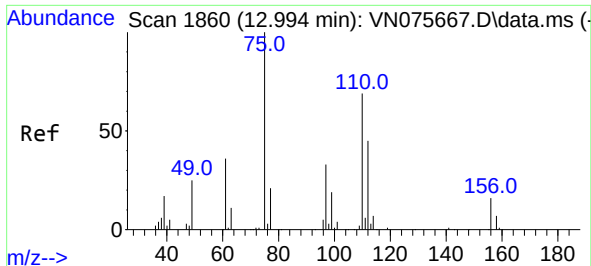
Tgt Ion:152 Resp: 149973
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.4
150 157.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.267 ug/l
RT: 12.506 min Scan# 1777
Delta R.T. 0.012 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 43 Resp: 849
Ion Ratio Lower Upper
43 100
70 16.1 41.4 62.0#
55 19.2 21.3 31.9#
61 13.7 21.2 31.8#

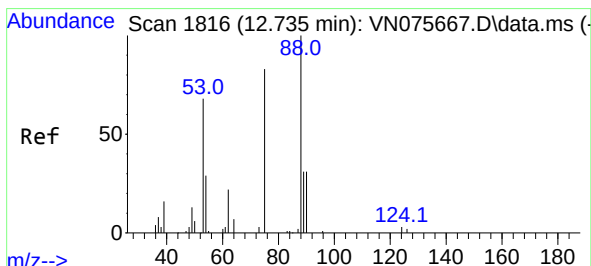
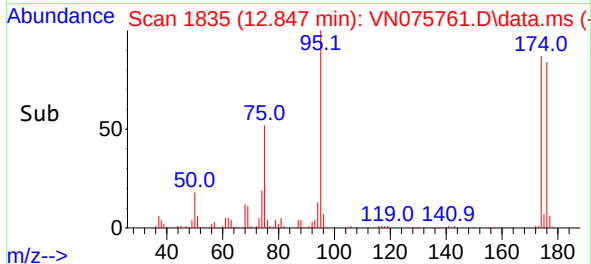
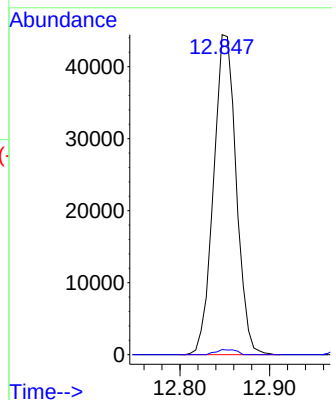
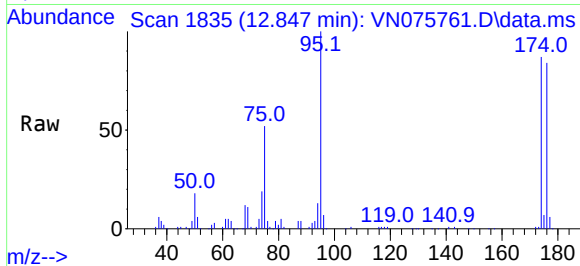




#76
1,2,3-Trichloropropane
Concen: 25.810 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

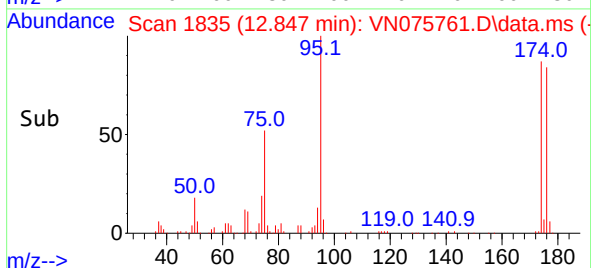
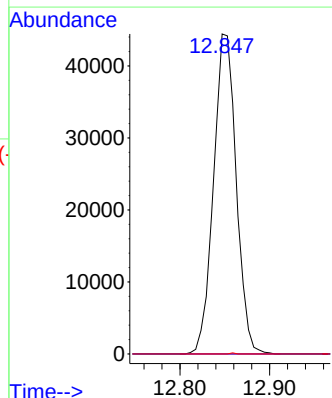
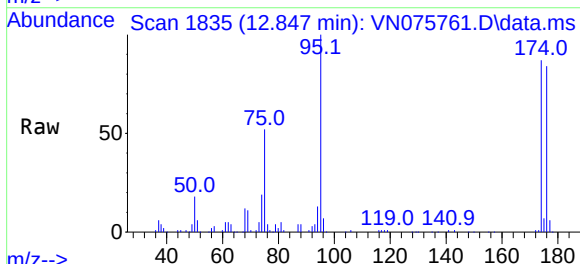
Instrument :
MSVOA_N
ClientSampleId :
IBLK

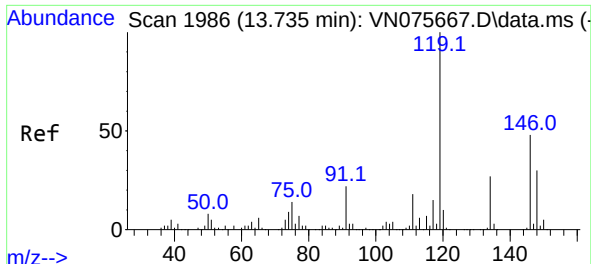
Tgt Ion: 75 Resp: 78027
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.904 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 75 Resp: 78027
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.1 39.5 59.3#





#87

1,3-Dichlorobenzene

Concen: 0.306 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK

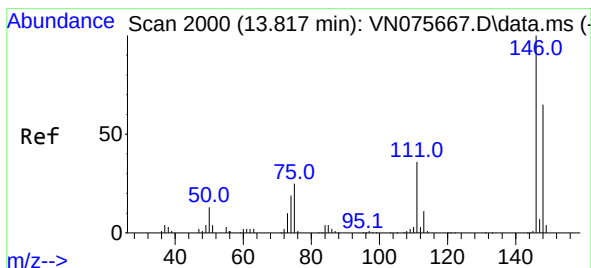
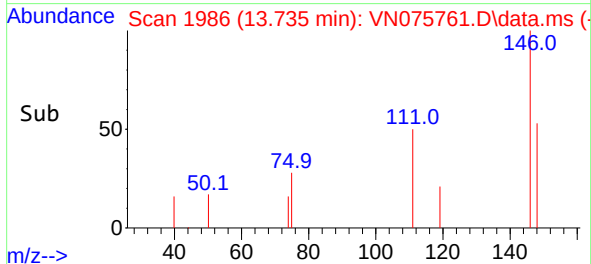
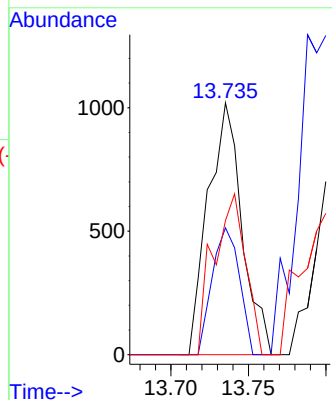
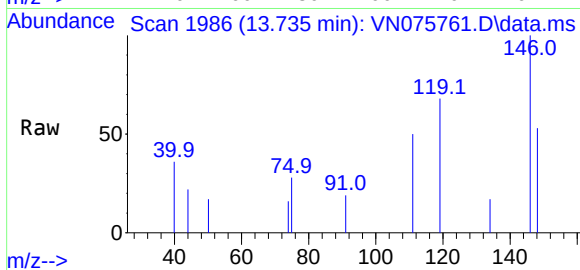
Tgt Ion:146 Resp: 1552

Ion Ratio Lower Upper

146 100

111 40.3 19.7 59.0

148 60.2 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.300 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.076 min

Lab File: VN075761.D

Acq: 14 Dec 2022 09:45

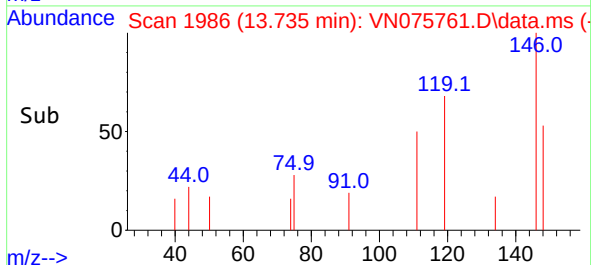
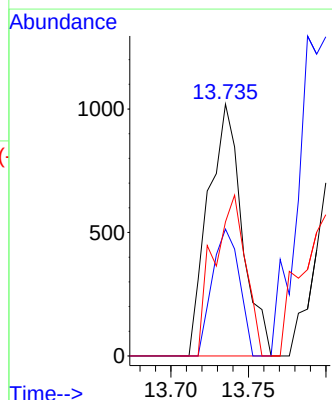
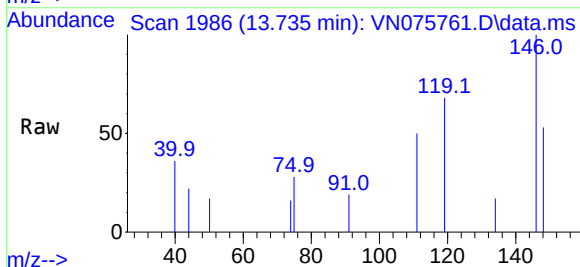
Tgt Ion:146 Resp: 1552

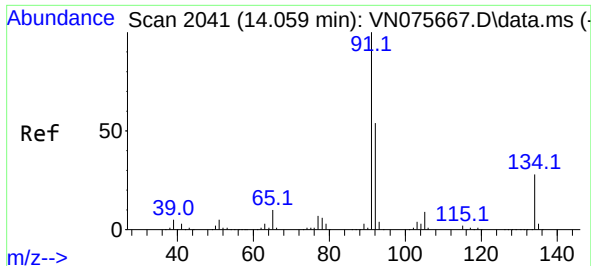
Ion Ratio Lower Upper

146 100

111 40.3 19.1 57.1

148 60.2 32.0 96.2



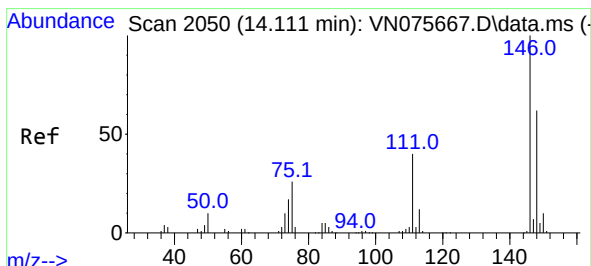
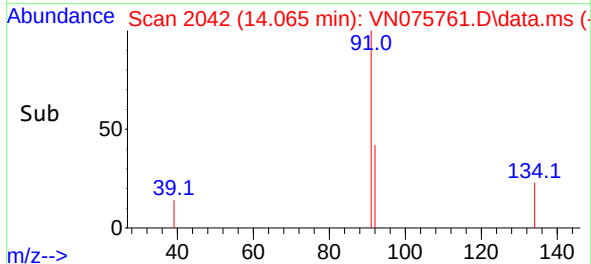
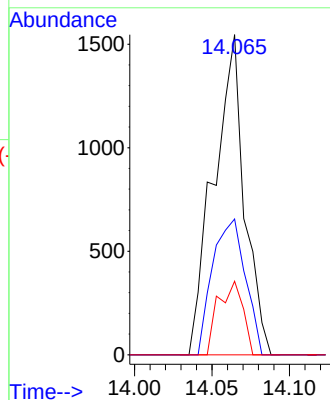
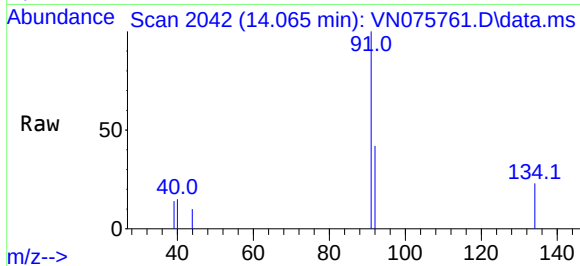


#89
n-Butylbenzene
Concen: 0.287 ug/l
RT: 14.065 min Scan# 2040
Delta R.T. 0.006 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 2133

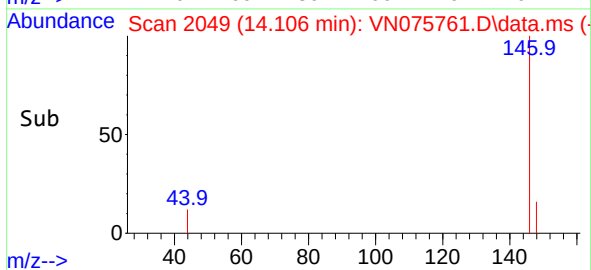
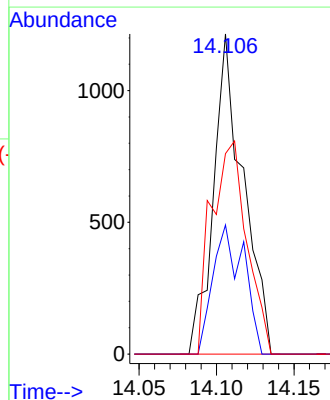
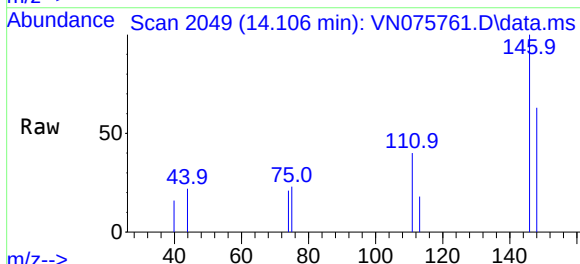
Ion	Ratio	Lower	Upper
91	100		
92	45.1	26.4	79.2
134	18.3	13.4	40.2

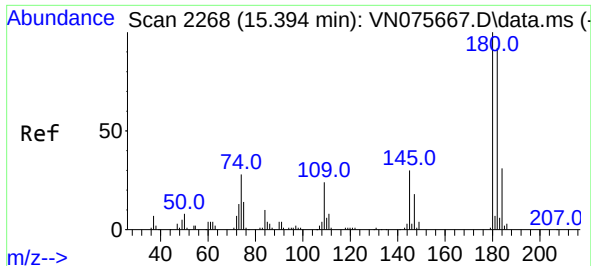


#91
1,2-Dichlorobenzene
Concen: 0.324 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion: 146 Resp: 1618

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	79.5	31.7	95.1

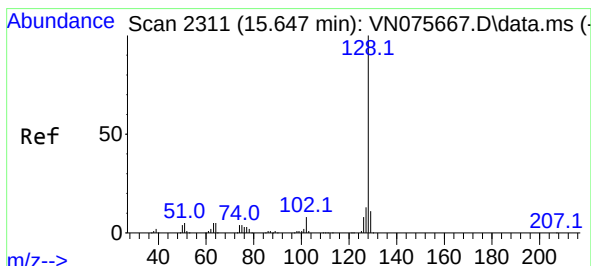
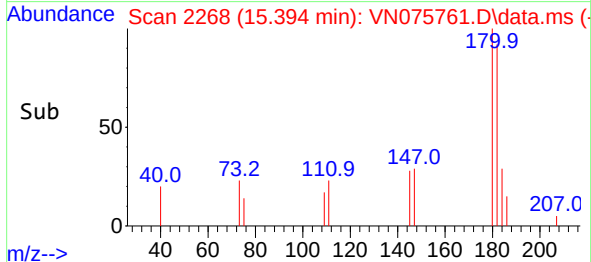
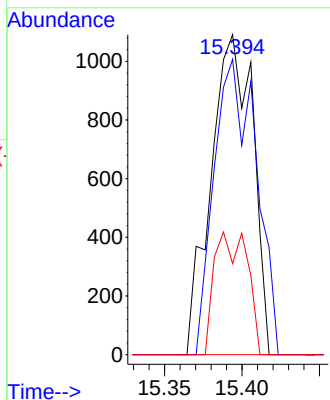
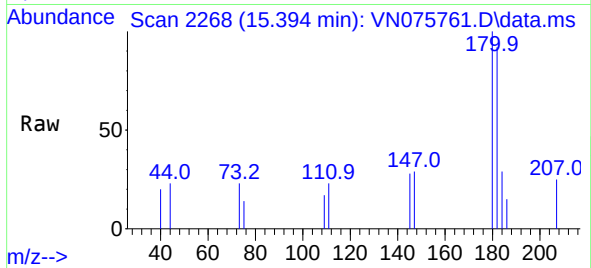




#93
1,2,4-Trichlorobenzene
Concen: 0.829 ug/l
RT: 15.394 min Scan# 210
Delta R.T. 0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

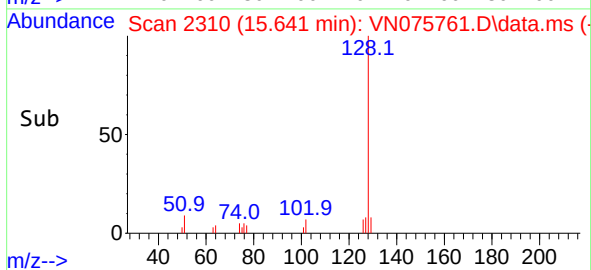
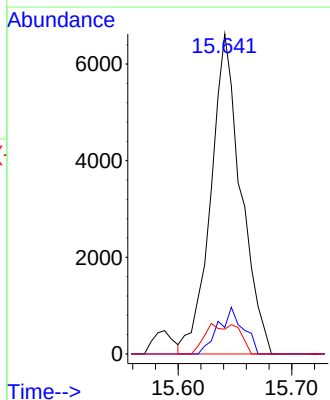
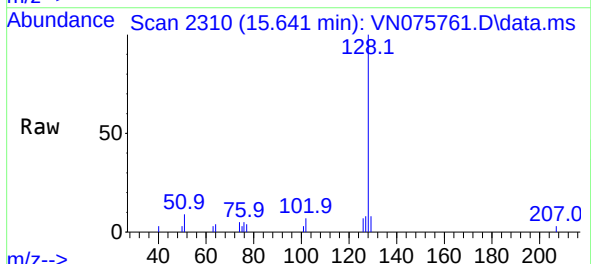
Instrument :
MSVOA_N
ClientSampleId :
IBLK

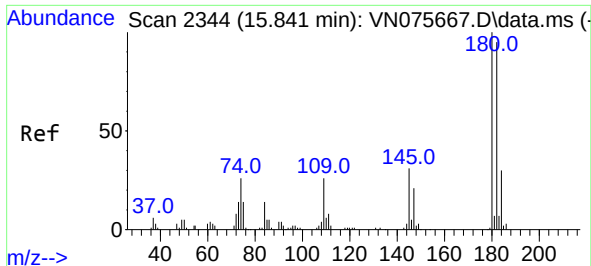
Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.5	142.5
145	30.0	15.3	45.8



#95
Naphthalene
Concen: 3.609 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075761.D
Acq: 14 Dec 2022 09:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	10.6	8.7	13.1





#96

1,2,3-Trichlorobenzene

Concen: 1.109 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN075761.D

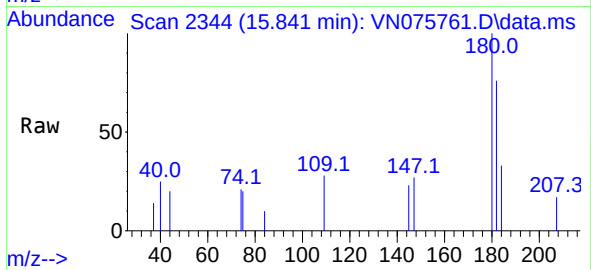
Acq: 14 Dec 2022 09:45

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 2561

Ion Ratio Lower Upper

180 100

182 99.8 47.0 141.0

145 29.9 16.0 47.9

