

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112122\
 Data File : VN075335.D
 Acq On : 21 Nov 2022 10:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 22 08:18:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 08:17:11 2022
 Response via : Initial Calibration

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

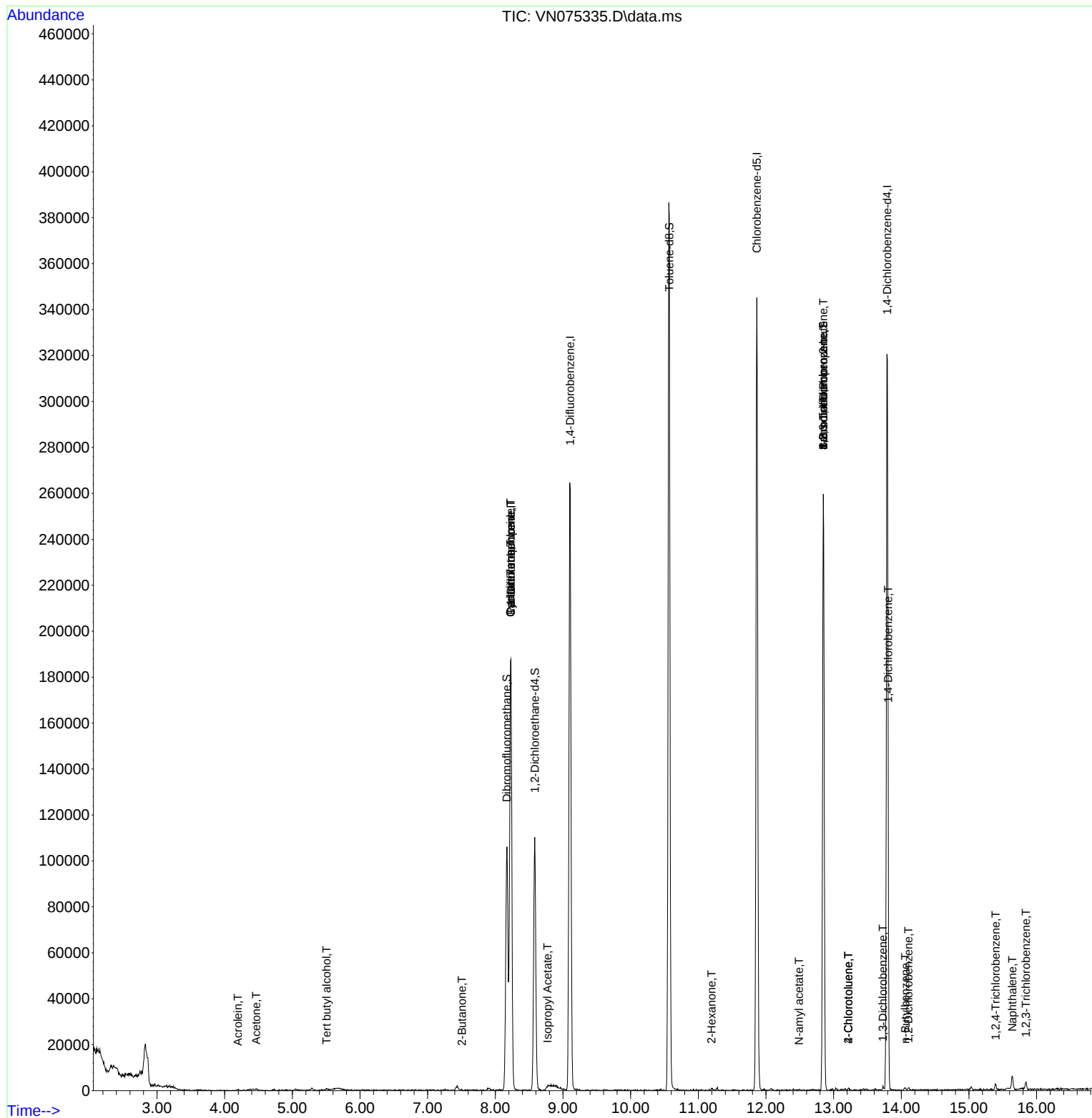
Internal Standards						
1) Pentafluorobenzene	8.229	168	144949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	247757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	87109	111.956	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 223.920%#			
35) Dibromofluoromethane	8.171	113	76413	78.512	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 157.020%#			
50) Toluene-d8	10.570	98	280304	127.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 255.740%#			
62) 4-Bromofluorobenzene	12.847	95	89969	55.605	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.220%			
Target Compounds					Qvalue	
6) Chloroethane	3.118	64	478	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	207	0.634	ug/l #	72
13) Acrolein	4.194	56	500	1.757	ug/l #	34
16) Acetone	4.465	43	328	0.452	ug/l #	43
18) Methyl Acetate	5.047	43	938	Below Cal	#	47
20) Methylene Chloride	5.283	84	743	Below Cal	#	44
25) 2-Butanone	7.506	43	382	0.377	ug/l #	43
31) Cyclohexane	8.224	56	2781	1.125	ug/l #	14
36) 1,1-Dichloropropene	8.229	75	10392	4.896	ug/l #	50
38) Carbon Tetrachloride	8.224	117	14802	6.348	ug/l #	15
43) Isopropyl Acetate	8.771	43	1275	0.416	ug/l #	53
59) 2-Hexanone	11.194	43	733	0.500	ug/l	95
71) Bromoform	12.847	173	677	0.535	ug/l #	28
74) N-amyl acetate	12.488	43	425	0.204	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	45740	26.060	ug/l #	1
79) 2-Chlorotoluene	13.217	91	922	0.202	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	45740	77.107	ug/l #	10
82) 4-Chlorotoluene	13.217	91	922	0.202	ug/l	86
87) 1,3-Dichlorobenzene	13.729	146	870	0.274	ug/l #	71
88) 1,4-Dichlorobenzene	13.806	146	1162	0.361	ug/l #	30
89) n-Butylbenzene	14.059	91	1102	0.222	ug/l #	78
91) 1,2-Dichlorobenzene	14.106	146	717	0.232	ug/l #	84
93) 1,2,4-Trichlorobenzene	15.394	180	1222	0.771	ug/l #	83
95) Naphthalene	15.641	128	6256	1.255	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1428	0.917	ug/l	96

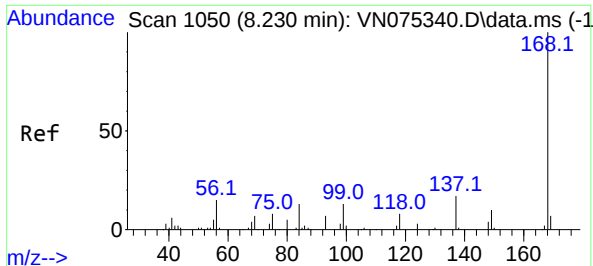
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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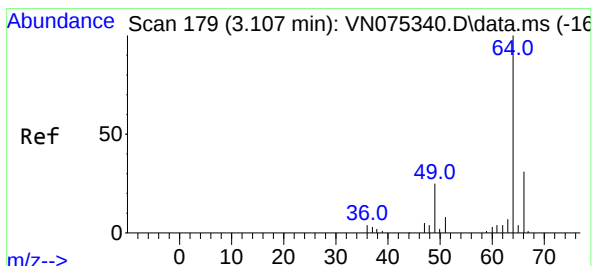
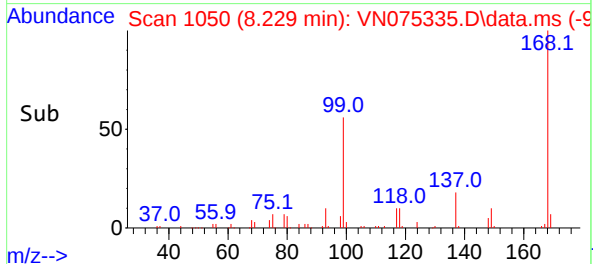
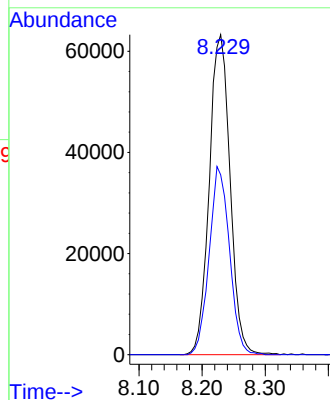
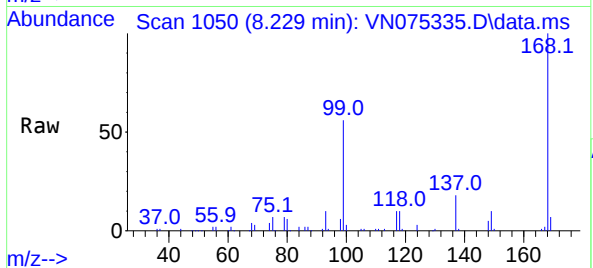




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

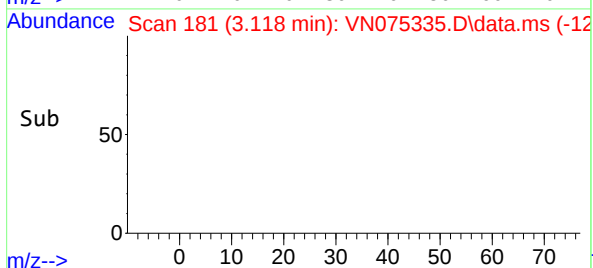
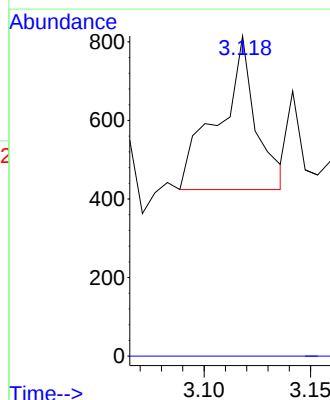
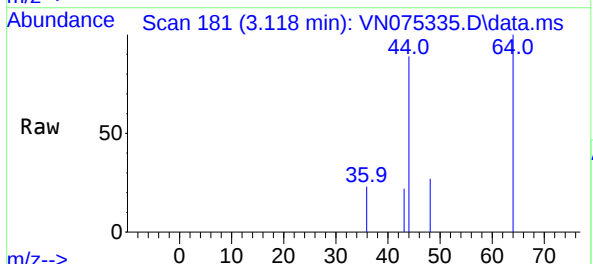
Instrument :
MSVOA_N
ClientSampleId :
IBLK

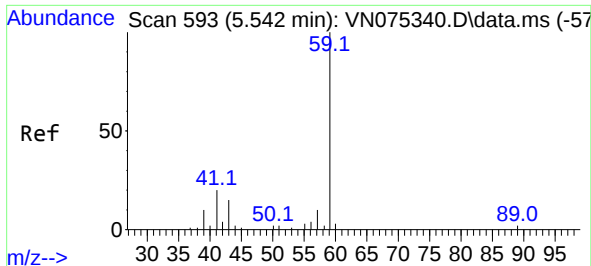
Tgt Ion:168 Resp: 144949
Ion Ratio Lower Upper
168 100
99 56.2 51.6 77.4



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 181
Delta R.T. 0.011 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 64 Resp: 478
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#11

Tert butyl alcohol

Concen: 0.634 ug/l

RT: 5.506 min Scan# 59

Delta R.T. -0.036 min

Lab File: VN075335.D

Acq: 21 Nov 2022 10:42

Instrument :

MSVOA_N

ClientSampleId :

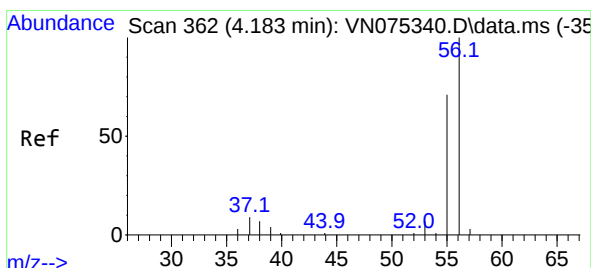
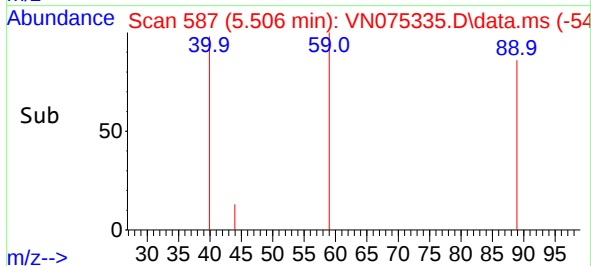
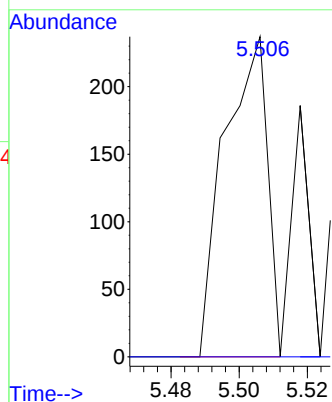
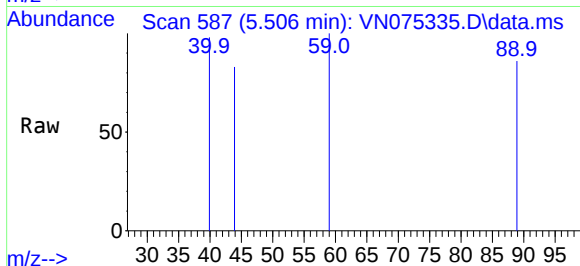
IBLK

Tgt Ion: 59 Resp: 207

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 1.757 ug/l

RT: 4.194 min Scan# 364

Delta R.T. 0.011 min

Lab File: VN075335.D

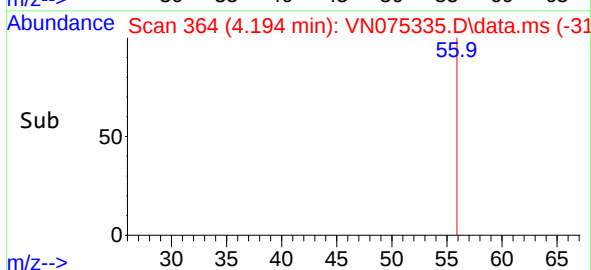
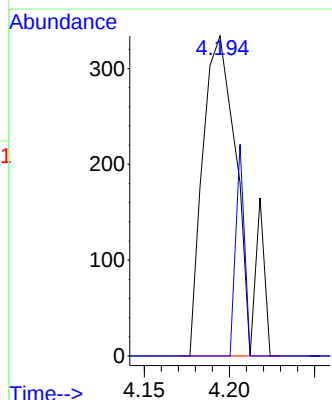
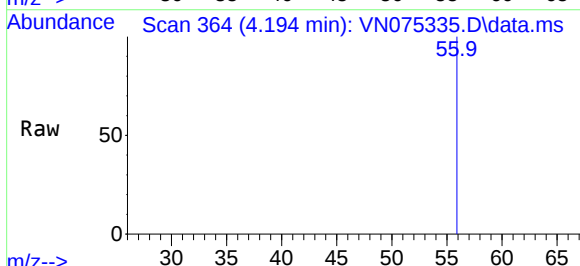
Acq: 21 Nov 2022 10:42

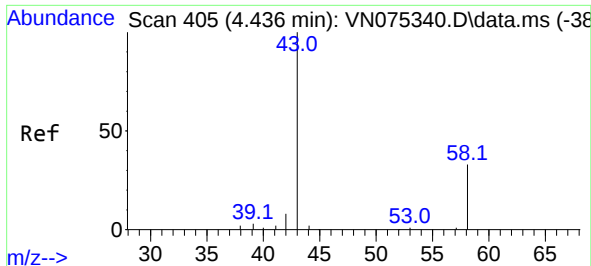
Tgt Ion: 56 Resp: 500

Ion Ratio Lower Upper

56 100

55 15.6 55.2 82.8#





#16

Acetone

Concen: 0.452 ug/l

RT: 4.465 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN075335.D

Acq: 21 Nov 2022 10:42

Instrument :

MSVOA_N

ClientSampleId :

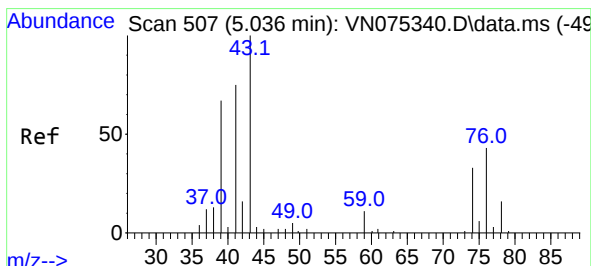
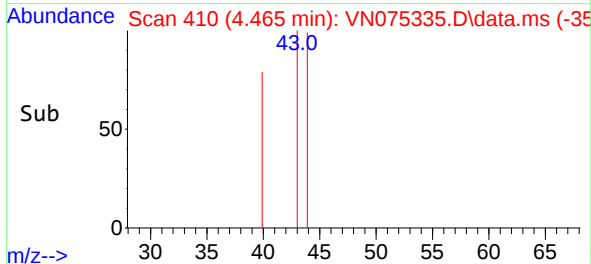
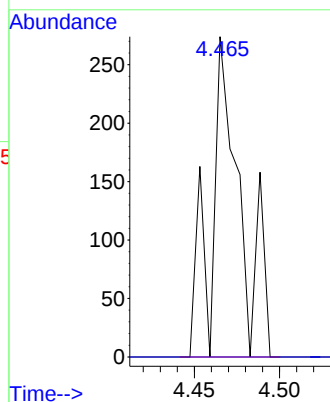
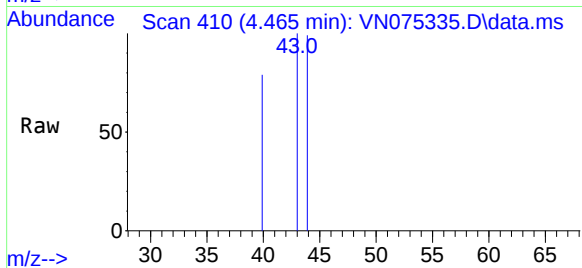
IBLK

Tgt Ion: 43 Resp: 328

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.047 min Scan# 509

Delta R.T. 0.011 min

Lab File: VN075335.D

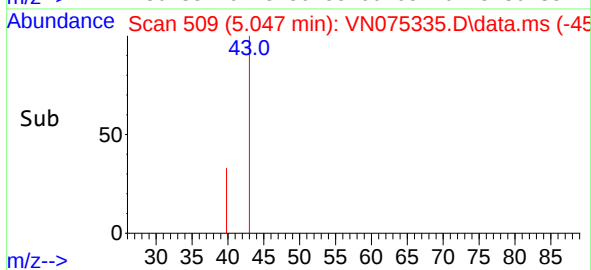
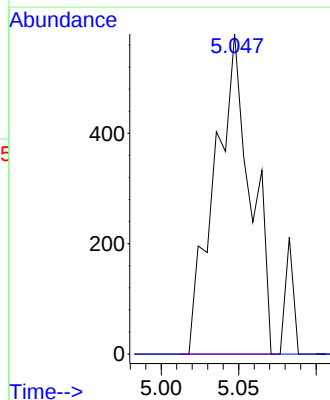
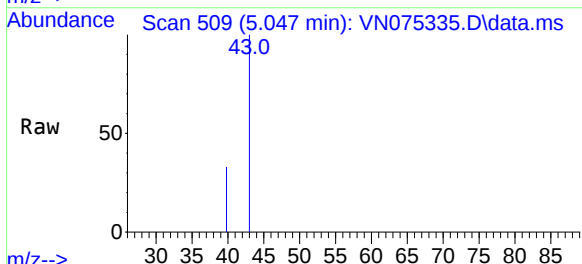
Acq: 21 Nov 2022 10:42

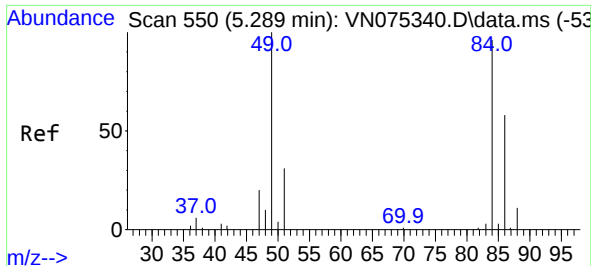
Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

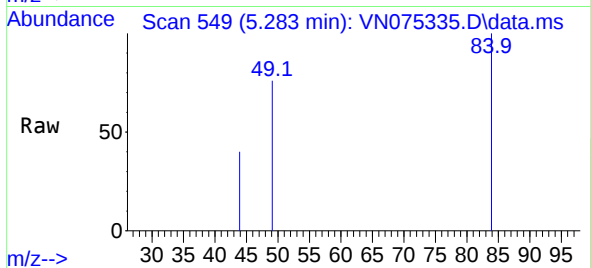
74 0.0 22.0 33.0#



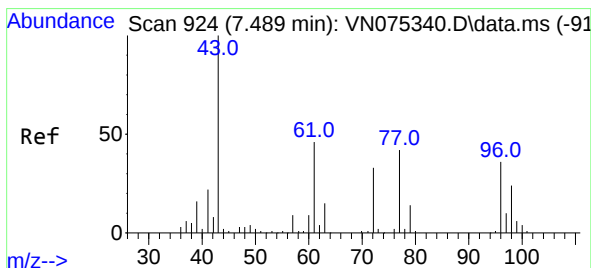
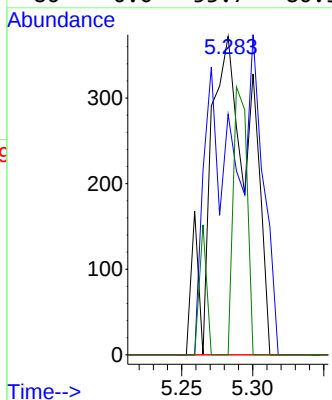


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Instrument :
MSVOA_N
ClientSampleId :
IBLK

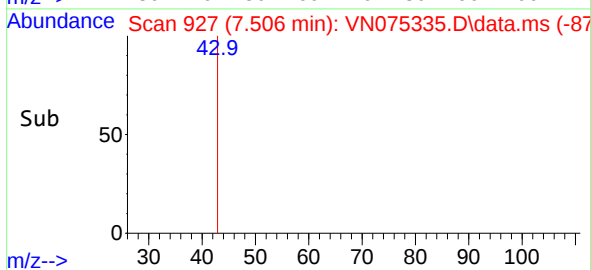
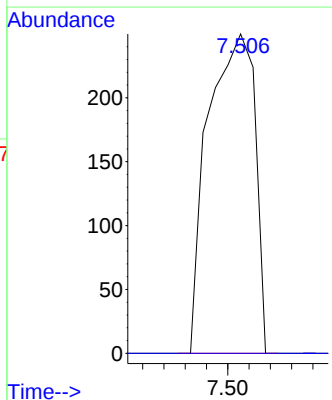
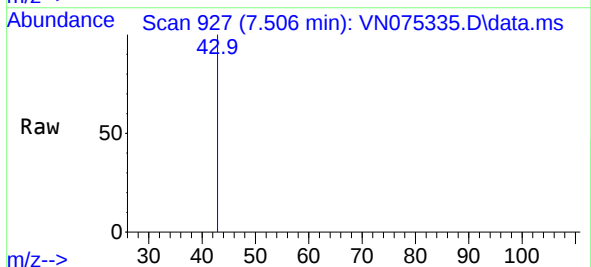


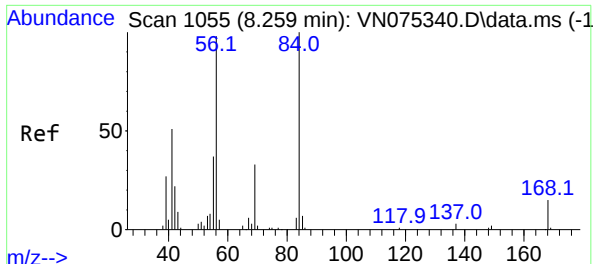
Tgt Ion:	84	Resp:	743
Ion	Ratio	Lower	Upper
84	100		
49	75.5	94.9	142.3#
51	0.0	26.8	40.2#
86	0.0	53.7	80.5#



#25
2-Butanone
Concen: 0.377 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.017 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

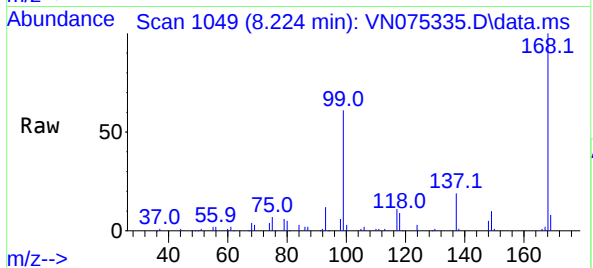
Tgt Ion:	43	Resp:	382
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#



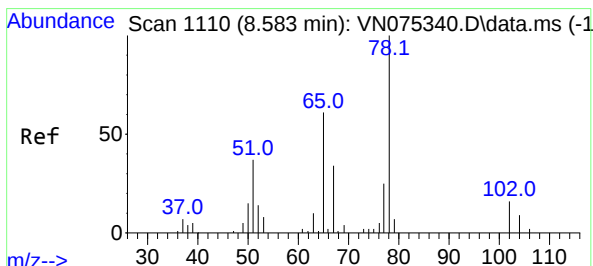
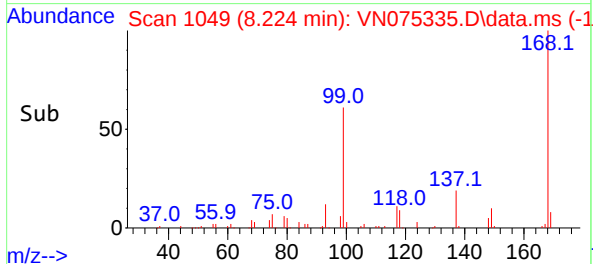
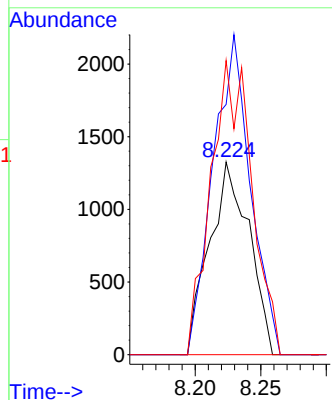


#31
Cyclohexane
Concen: 1.125 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

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IBLK

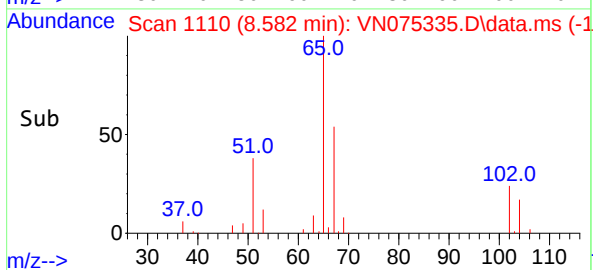
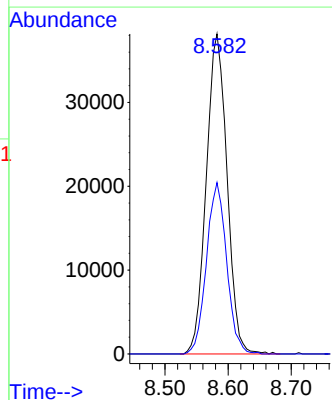
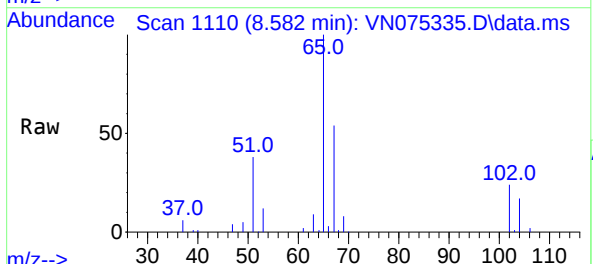


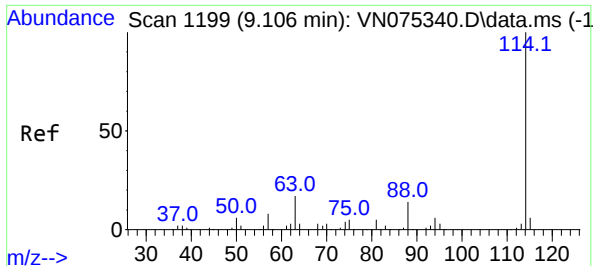
Tgt Ion: 56 Resp: 2781
Ion Ratio Lower Upper
56 100
69 129.9 25.2 37.8#
84 152.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 111.956 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 65 Resp: 87109
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0

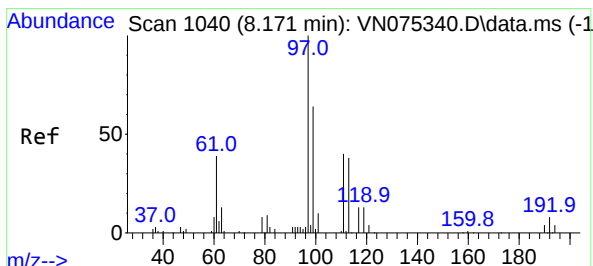
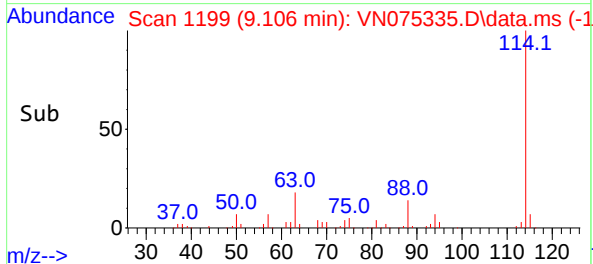
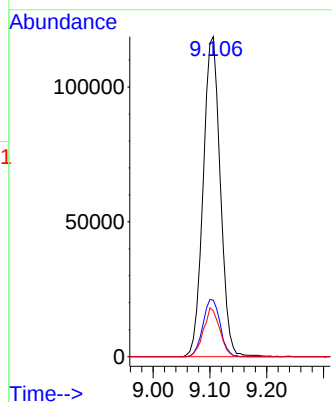
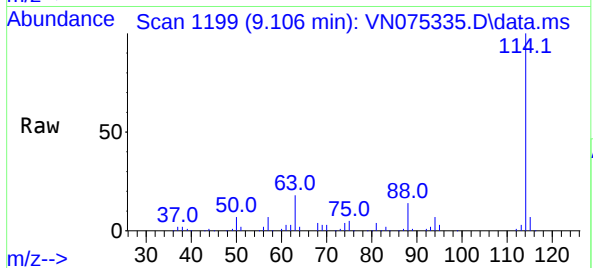




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

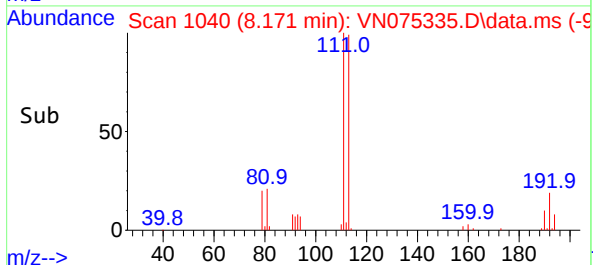
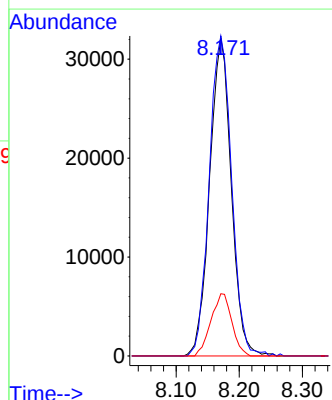
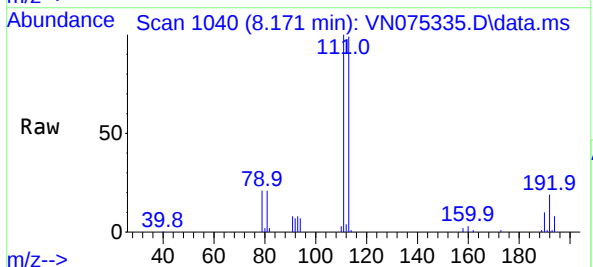
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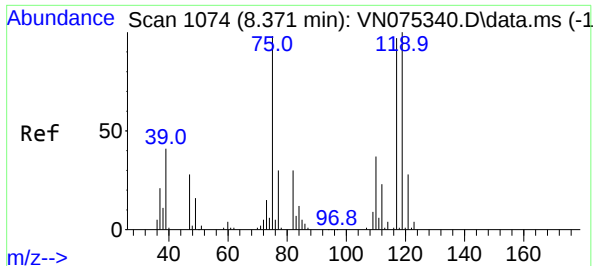
Tgt Ion:114 Resp: 247757
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.6
88 14.3 0.0 29.0



#35
Dibromofluoromethane
Concen: 78.512 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion:113 Resp: 76413
Ion Ratio Lower Upper
113 100
111 104.4 80.5 120.7
192 18.9 13.2 19.8

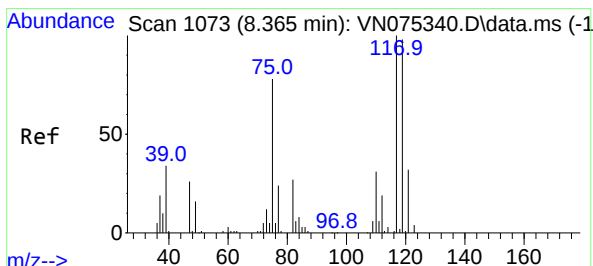
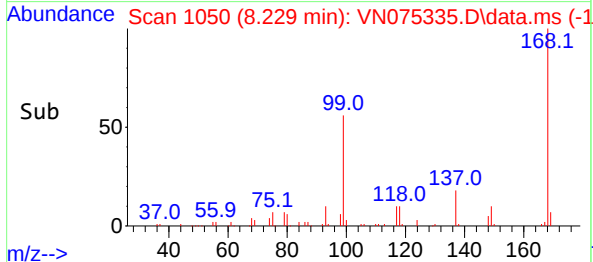
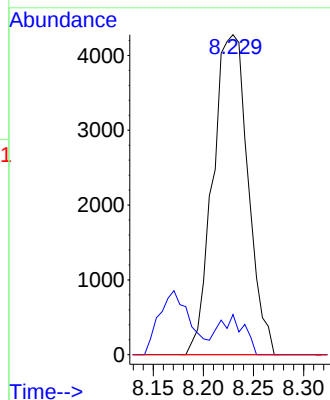
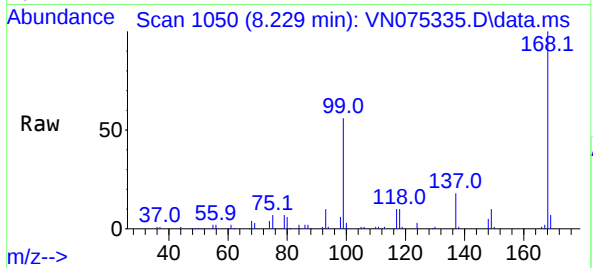




#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 8.229 min Scan# 1049
Delta R.T. -0.142 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

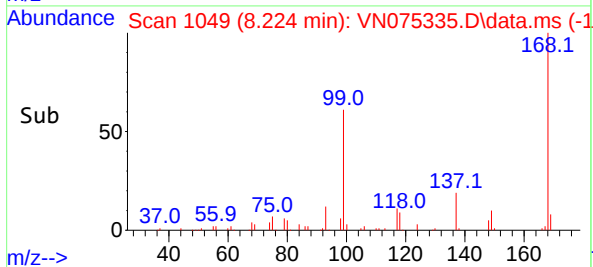
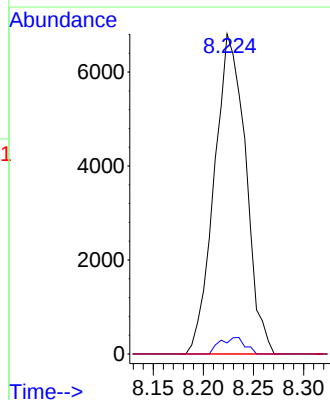
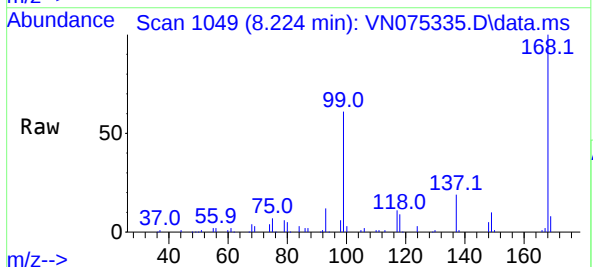
Instrument :
MSVOA_N
ClientSampleId :
IBLK

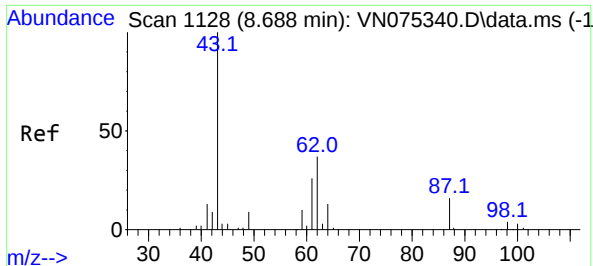
Tgt Ion: 75 Resp: 10392
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.348 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 117 Resp: 14802
Ion Ratio Lower Upper
117 100
119 3.5 76.7 115.1#
121 0.0 23.9 35.9#

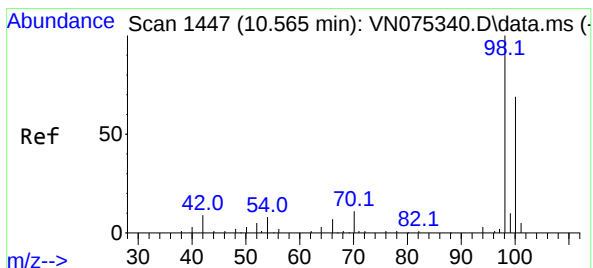
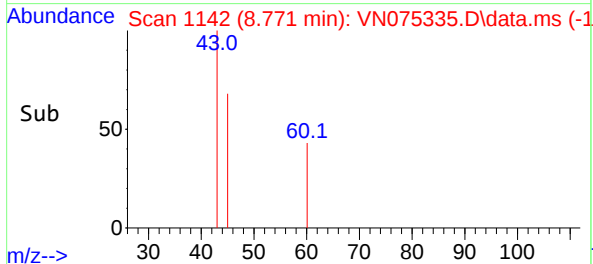
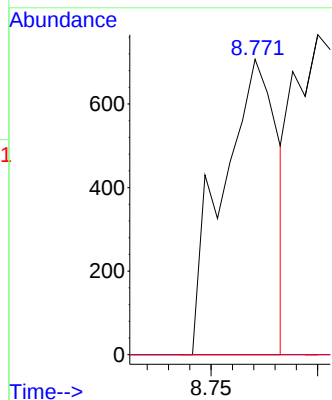
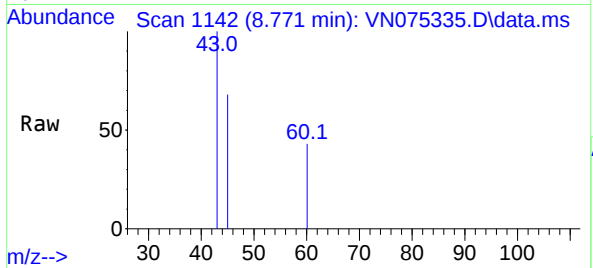




#43
Isopropyl Acetate
Concen: 0.416 ug/l
RT: 8.771 min Scan# 1128
Delta R.T. 0.083 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

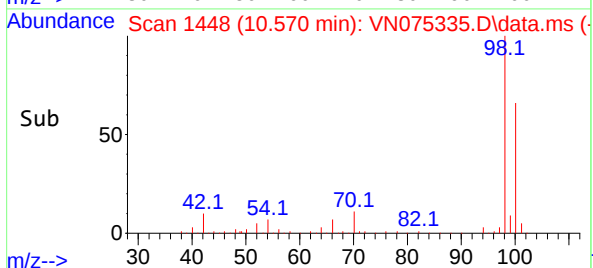
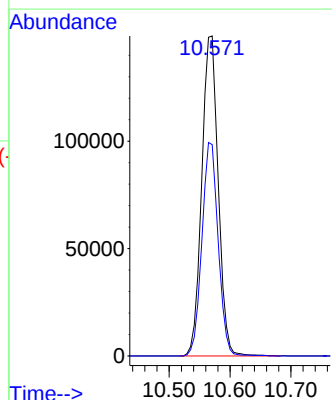
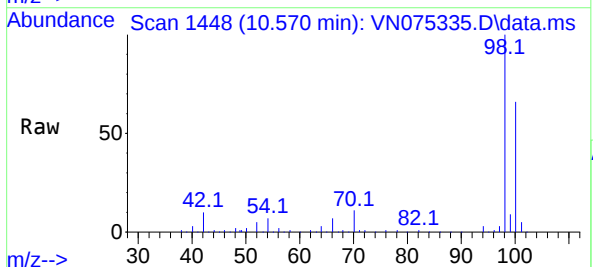
Instrument :
MSVOA_N
ClientSampleId :
IBLK

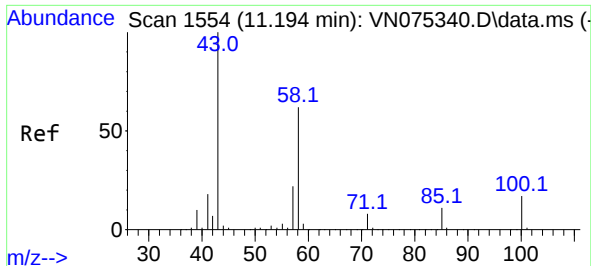
Tgt Ion: 43 Resp: 1275
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#



#50
Toluene-d8
Concen: 127.871 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.005 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 98 Resp: 280304
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6

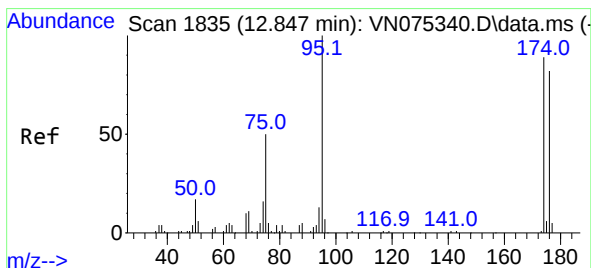
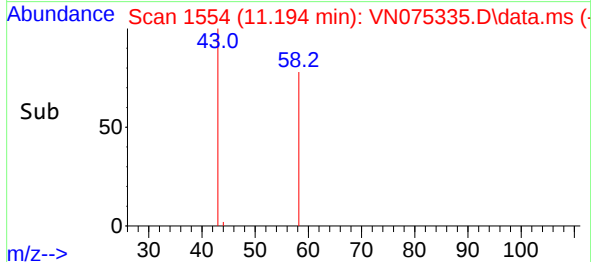
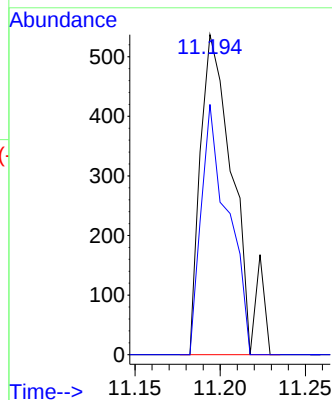
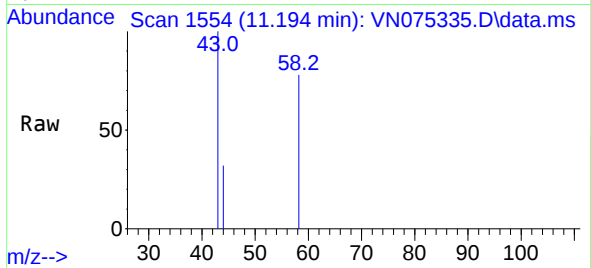




#59
2-Hexanone
Concen: 0.500 ug/l
RT: 11.194 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

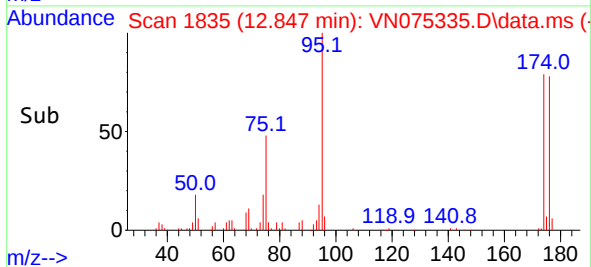
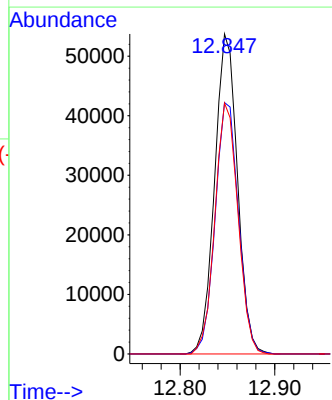
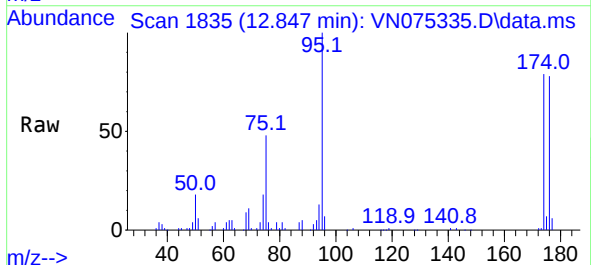
Instrument :
MSVOA_N
ClientSampleId :
IBLK

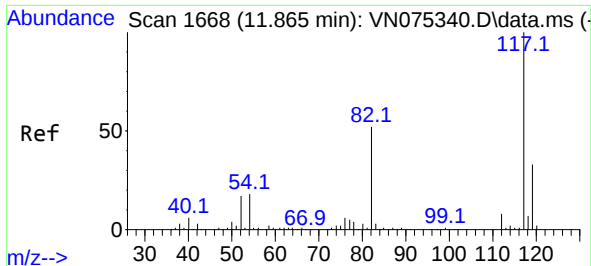
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 62.9 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 55.605 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 95 Resp: 89969
Ion Ratio Lower Upper
95 100
174 80.5 0.0 147.4
176 79.1 0.0 142.2

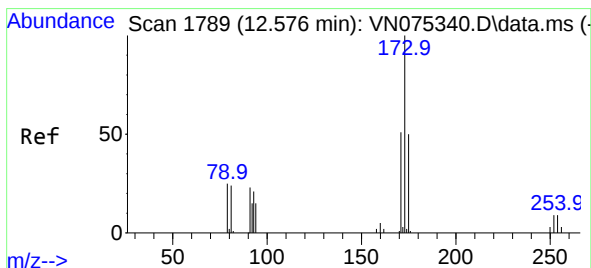
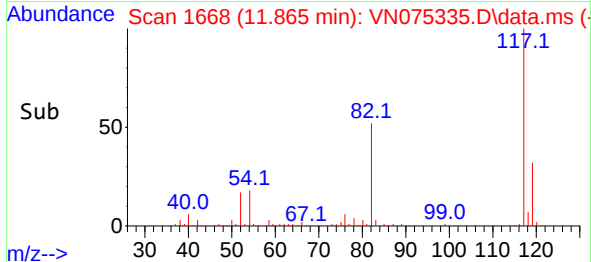
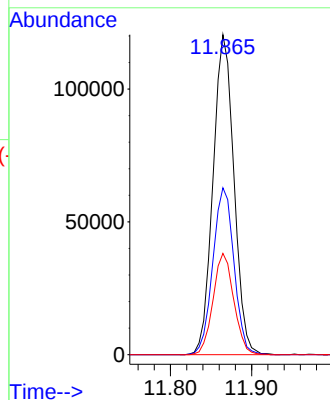
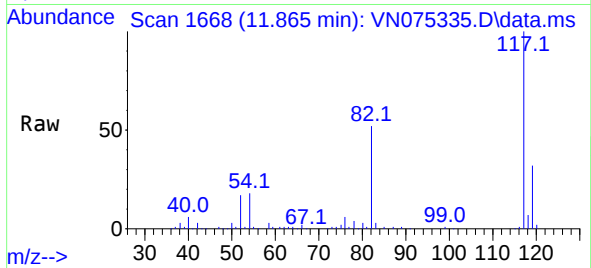




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

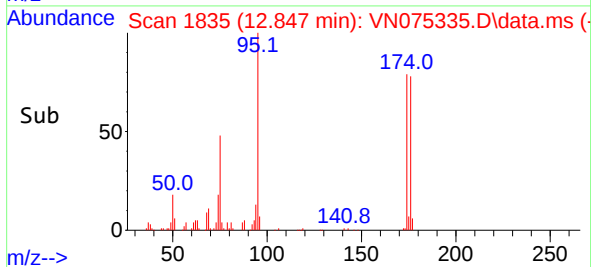
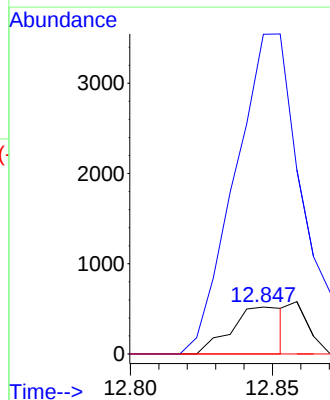
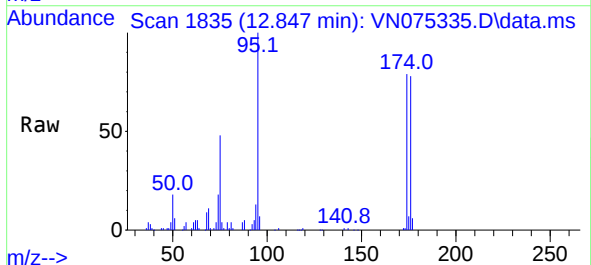
Instrument :
MSVOA_N
ClientSampleId :
IBLK

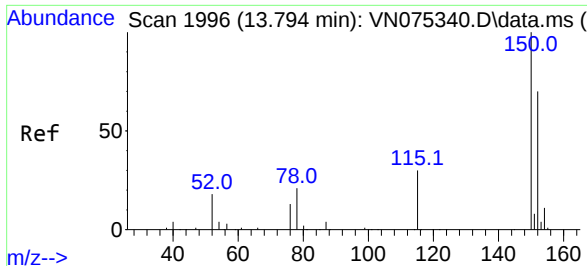
Tgt Ion:117 Resp: 215912
Ion Ratio Lower Upper
117 100
82 52.2 43.1 64.7
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.535 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion:173 Resp: 677
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

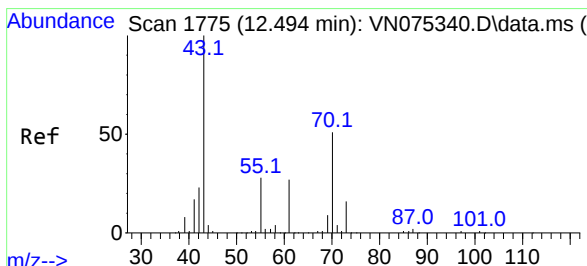
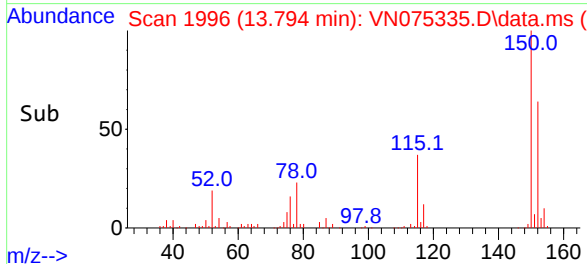
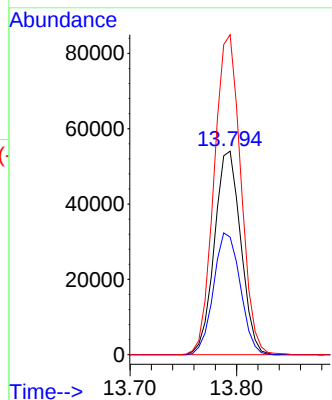
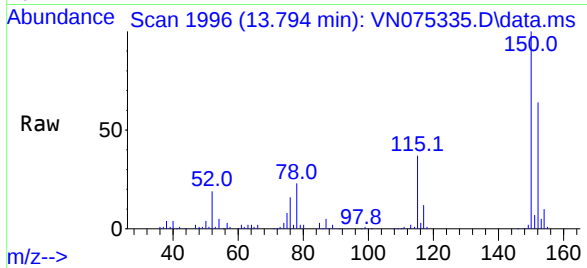




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

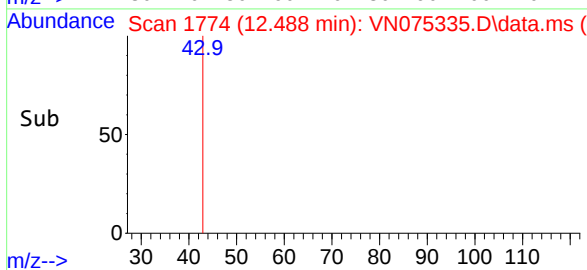
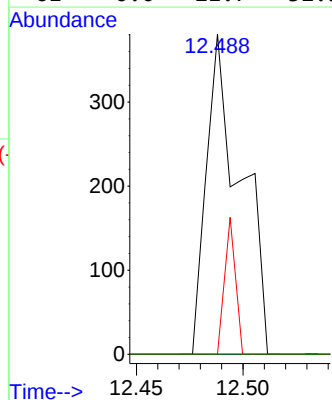
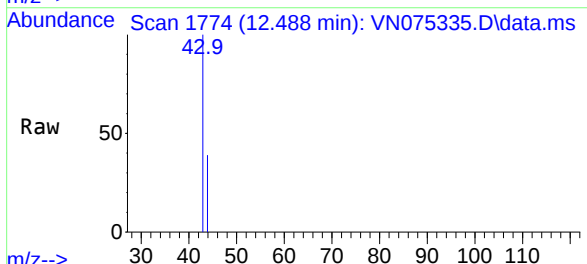
Instrument :
MSVOA_N
ClientSampleId :
IBLK

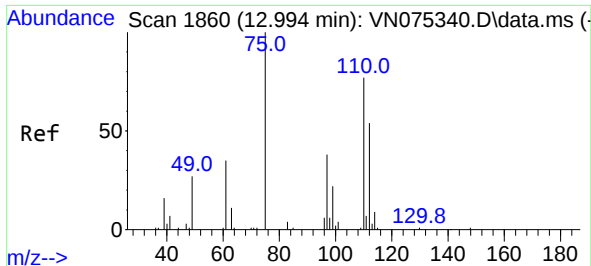
Tgt Ion:152 Resp: 92829
Ion Ratio Lower Upper
152 100
115 60.6 30.2 90.6
150 159.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.204 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 13.4 19.9 29.9#
61 0.0 21.7 32.5#

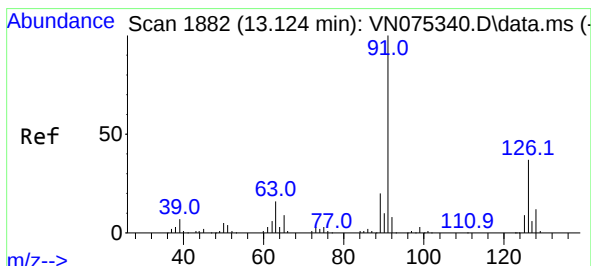
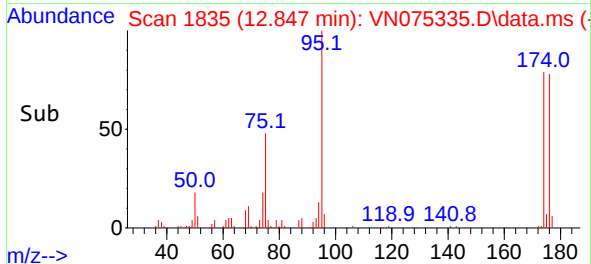
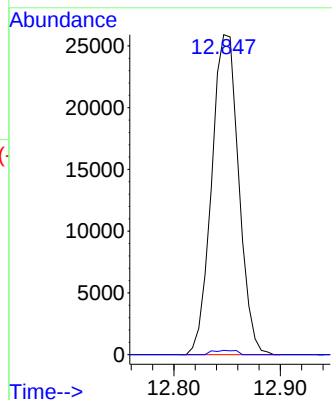
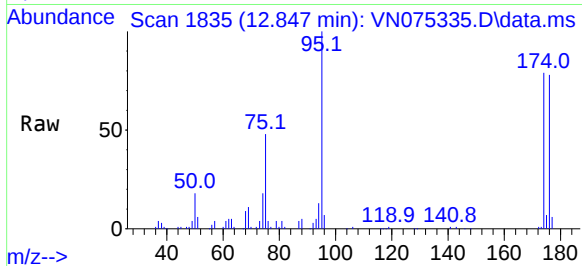




#76
1,2,3-Trichloropropane
Concen: 26.060 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

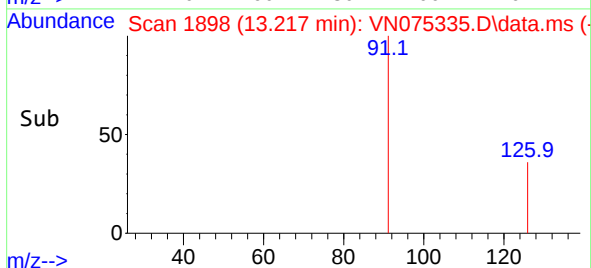
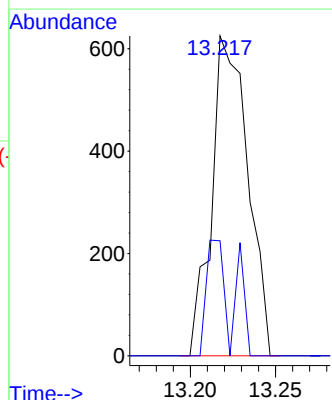
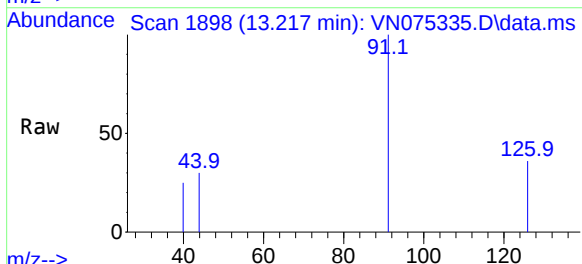
Instrument :
MSVOA_N
ClientSampleId :
IBLK

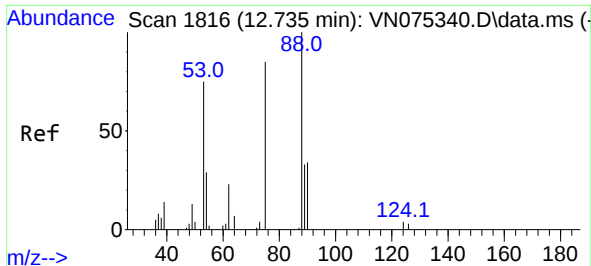
Tgt Ion: 75 Resp: 45740
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#79
2-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.217 min Scan# 1898
Delta R.T. 0.093 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 91 Resp: 922
Ion Ratio Lower Upper
91 100
126 25.7 16.9 50.7

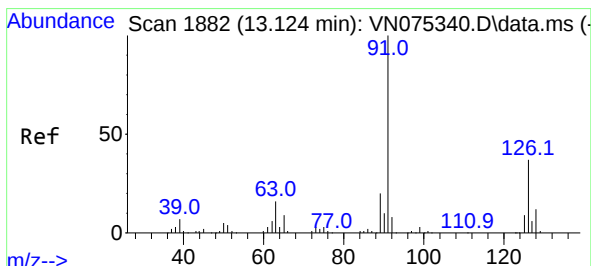
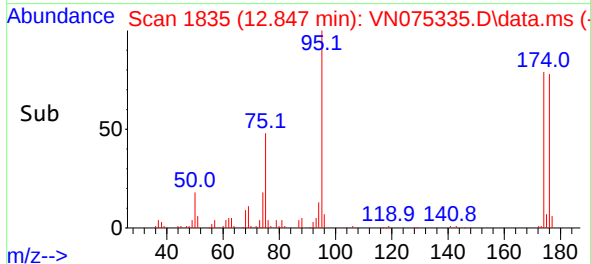
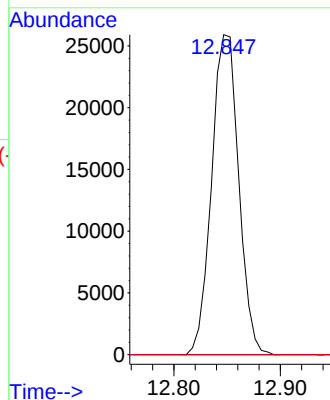
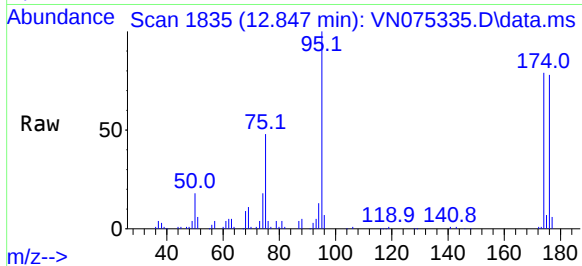




#81
trans-1,4-Dichloro-2-butene
Concen: 77.107 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

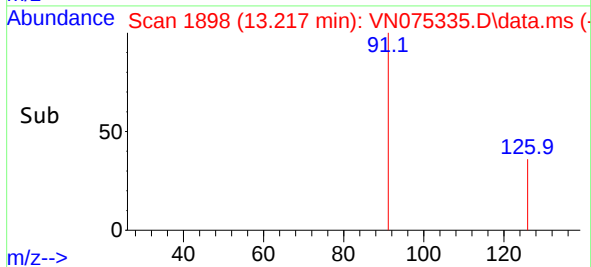
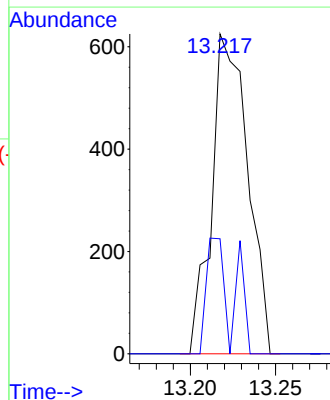
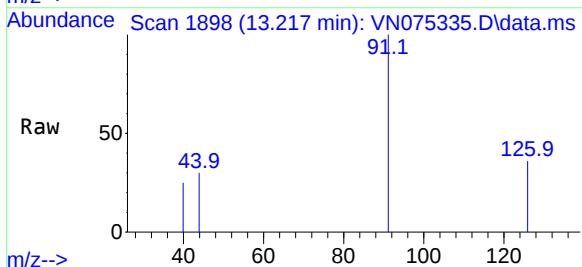
Instrument :
MSVOA_N
ClientSampleId :
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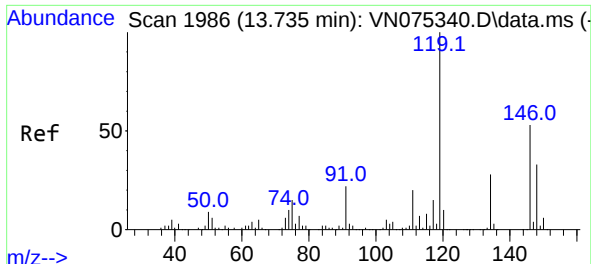
Tgt Ion: 75 Resp: 45740
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.217 min Scan# 1898
Delta R.T. 0.093 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion: 91 Resp: 922
Ion Ratio Lower Upper
91 100
126 25.7 16.9 50.7





#87

1,3-Dichlorobenzene

Concen: 0.274 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.006 min

Lab File: VN075335.D

Acq: 21 Nov 2022 10:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

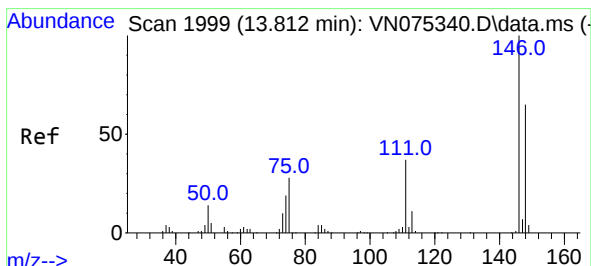
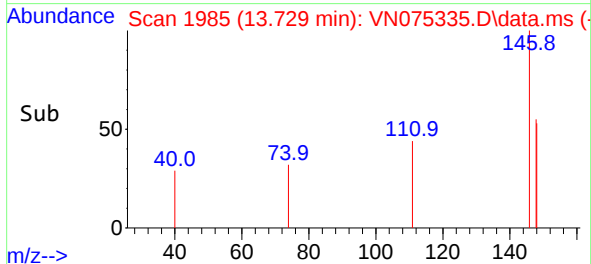
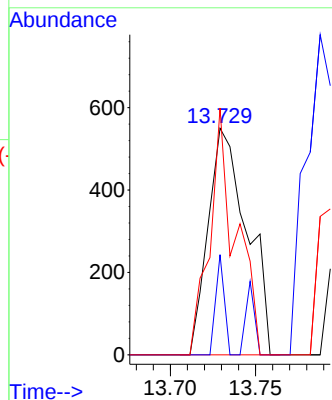
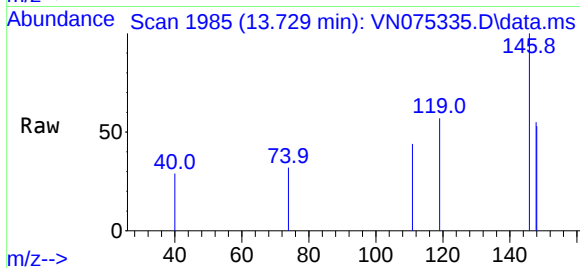
Tgt Ion:146 Resp: 870

Ion Ratio Lower Upper

146 100

111 9.9 20.8 62.5#

148 73.2 31.1 93.5



#88

1,4-Dichlorobenzene

Concen: 0.361 ug/l

RT: 13.806 min Scan# 1998

Delta R.T. -0.006 min

Lab File: VN075335.D

Acq: 21 Nov 2022 10:42

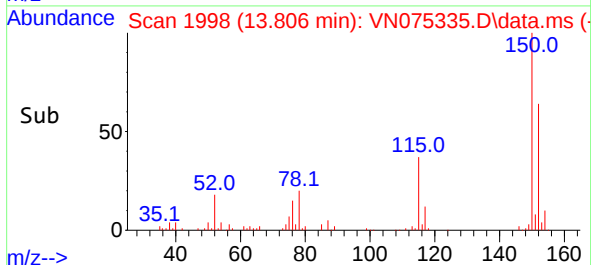
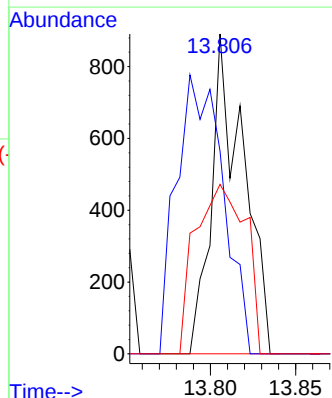
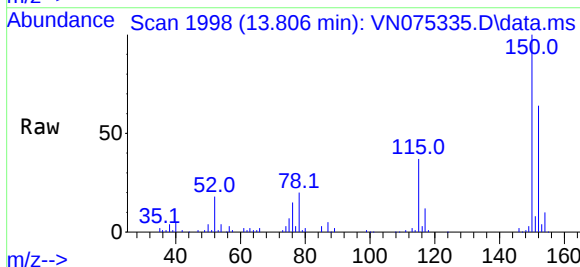
Tgt Ion:146 Resp: 1162

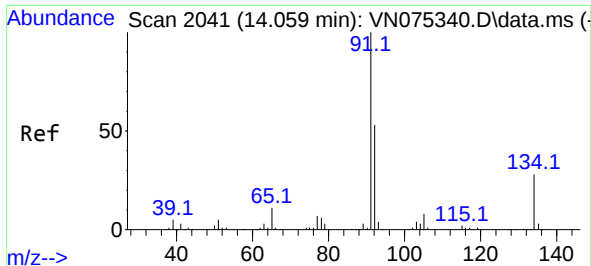
Ion Ratio Lower Upper

146 100

111 127.0 20.1 60.3#

148 83.4 31.9 95.7

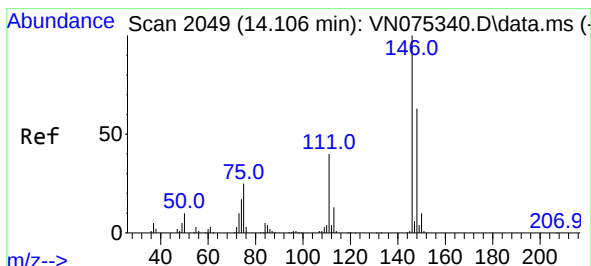
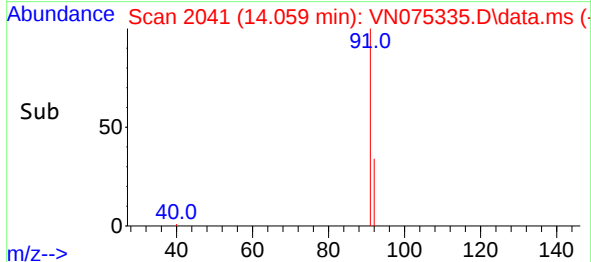
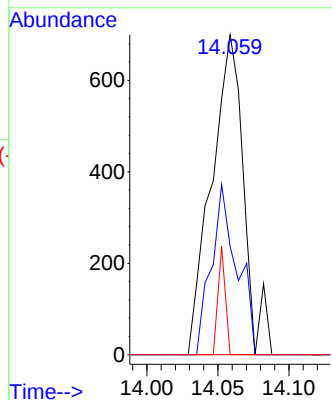
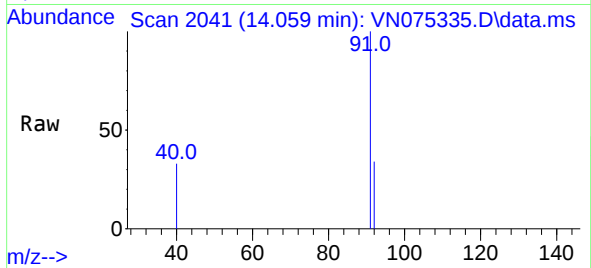




#89
n-Butylbenzene
Concen: 0.222 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

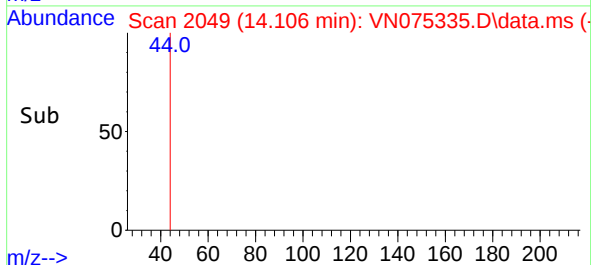
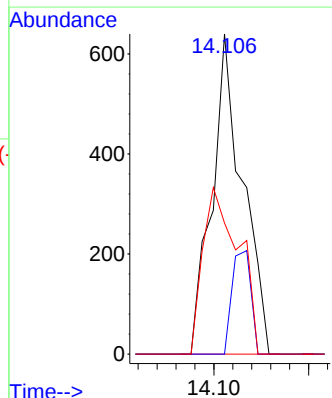
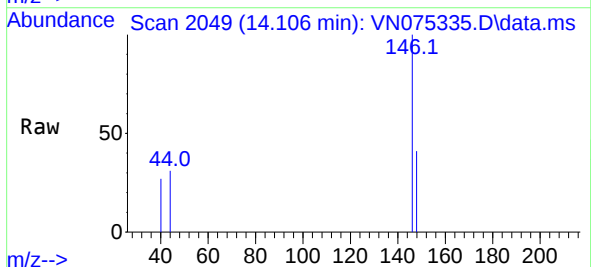
Instrument :
MSVOA_N
ClientSampleId :
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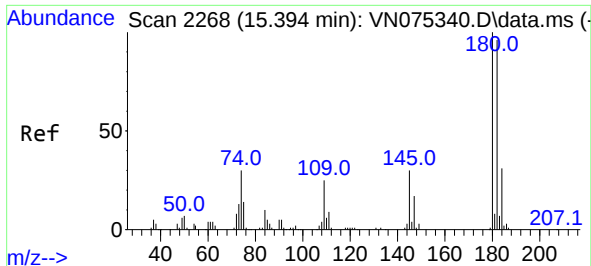
Tgt Ion: 91 Resp: 1102
Ion Ratio Lower Upper
91 100
92 42.5 26.5 79.4
134 7.6 13.0 39.0#



#91
1,2-Dichlorobenzene
Concen: 0.232 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

Tgt Ion:146 Resp: 717
Ion Ratio Lower Upper
146 100
111 19.8 21.3 63.9#
148 60.8 31.4 94.2

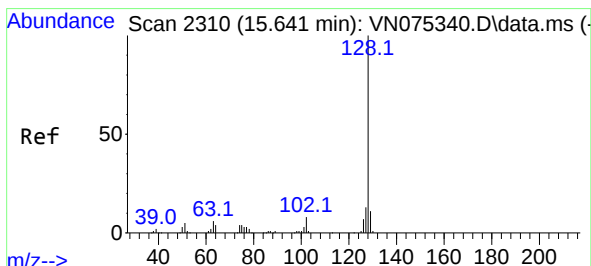
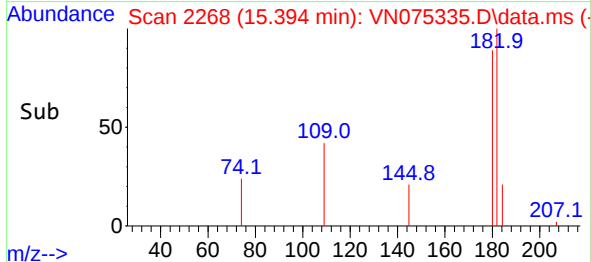
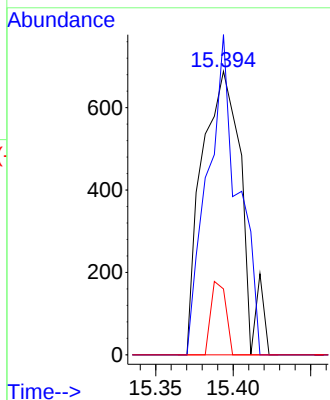
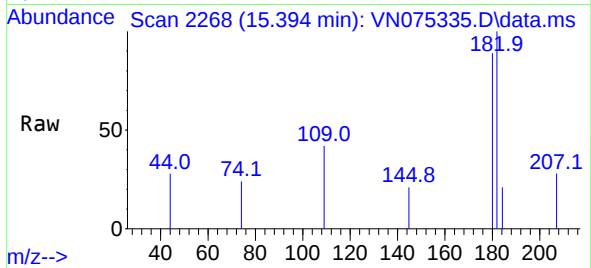




#93
1,2,4-Trichlorobenzene
Concen: 0.771 ug/l
RT: 15.394 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

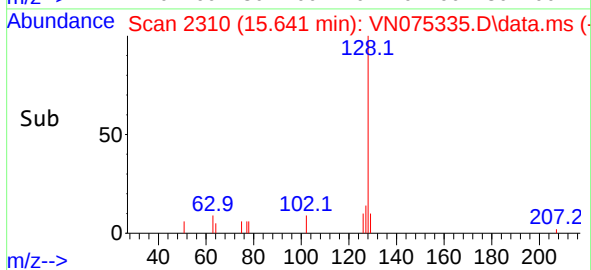
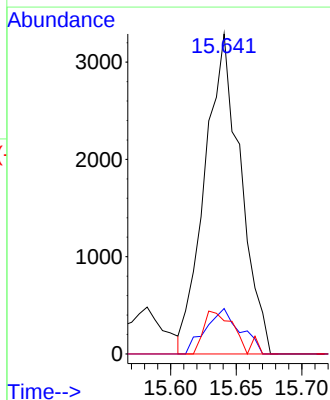
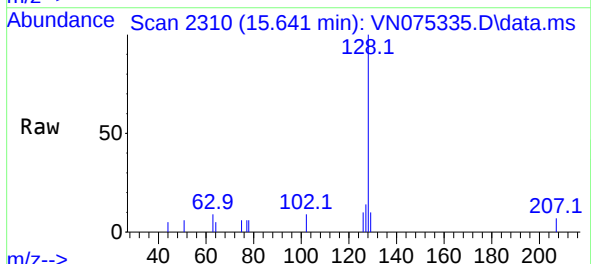
Instrument :
MSVOA_N
ClientSampleId :
IBLK

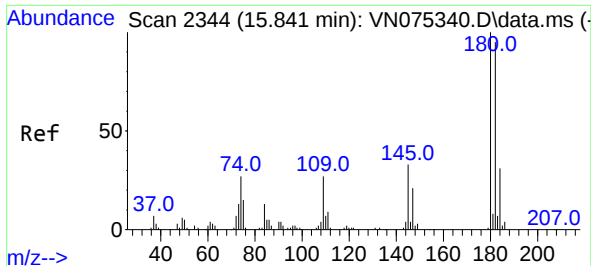
Tgt Ion:180 Resp: 1222
Ion Ratio Lower Upper
180 100
182 87.0 47.8 143.4
145 9.7 16.8 50.3#



#95
Naphthalene
Concen: 1.255 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075335.D
Acq: 21 Nov 2022 10:42

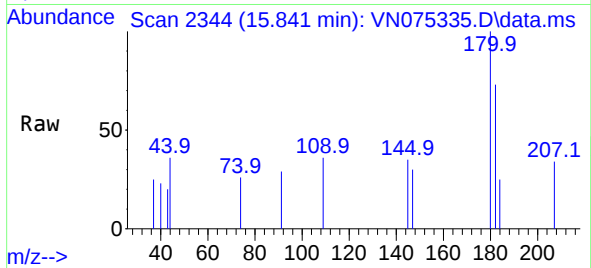
Tgt Ion:128 Resp: 6256
Ion Ratio Lower Upper
128 100
127 13.7 10.4 15.6
129 11.7 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.917 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075335.D
 Acq: 21 Nov 2022 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1428
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.3	141.8
145	40.5	17.6	52.9

