

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112822\
 Data File : VN075439.D
 Acq On : 28 Nov 2022 11:09
 Operator : JC\MD
 Sample : VN1128WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBL01

Quant Time: Nov 29 05:30:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	161205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	271779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96579	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	45727	52.844	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.680%
35) Dibromofluoromethane	8.171	113	54384	50.939	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.880%
50) Toluene-d8	10.571	98	114451	47.596	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.853	95	77988	43.940	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.880%

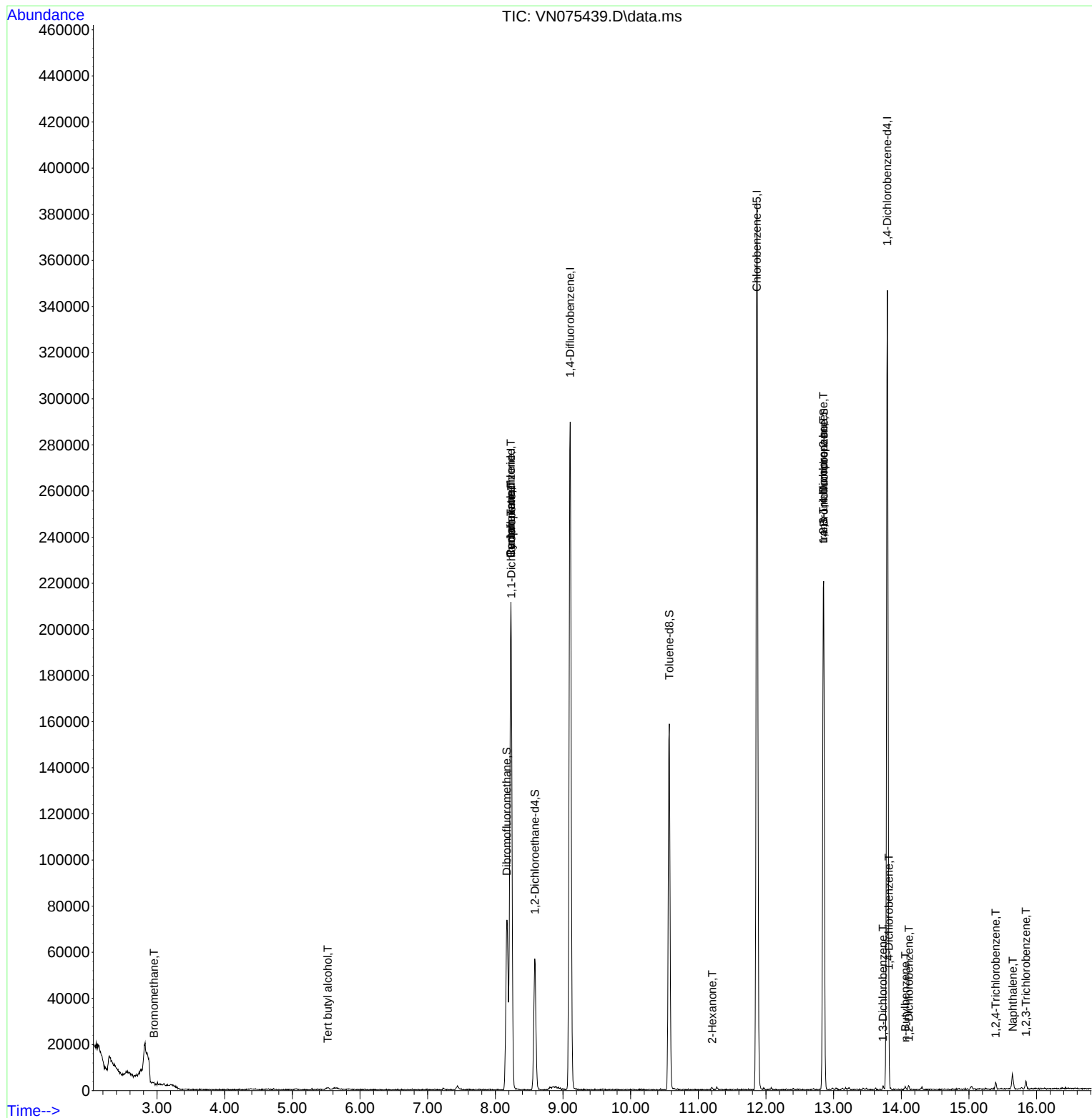
Target Compounds					Qvalue	
5) Bromomethane	2.953	94	524	0.308	ug/l #	64
11) Tert butyl alcohol	5.524	59	545	1.500	ug/l #	72
18) Methyl Acetate	5.042	43	494	Below Cal	#	47
20) Methylene Chloride	5.289	84	180	Below Cal	#	7
31) Cyclohexane	8.230	56	3242	1.179	ug/l #	22
36) 1,1-Dichloropropene	8.235	75	11919	5.119	ug/l #	49
38) Carbon Tetrachloride	8.230	117	16230	6.346	ug/l #	15
59) 2-Hexanone	11.206	43	703	0.437	ug/l	84
76) 1,2,3-Trichloropropane	12.847	75	39627	21.701	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39627	64.208	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	677	0.205	ug/l #	43
88) 1,4-Dichlorobenzene	13.817	146	1204	0.359	ug/l #	39
89) n-Butylbenzene	14.059	91	1236	0.240	ug/l #	74
91) 1,2-Dichlorobenzene	14.111	146	877	0.273	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1157	0.702	ug/l	91
95) Naphthalene	15.647	128	7052	1.360	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	1357	0.837	ug/l	88

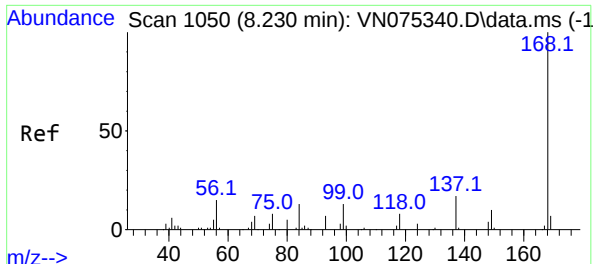
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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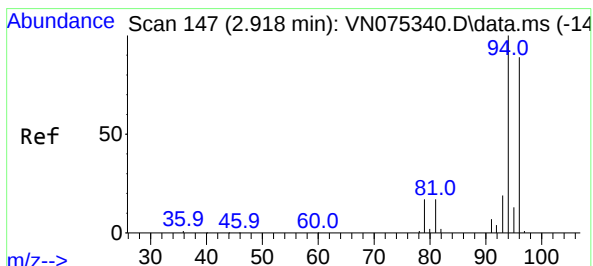
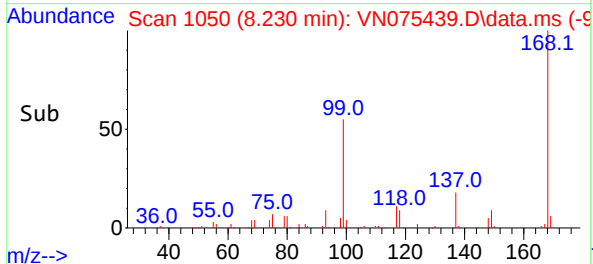
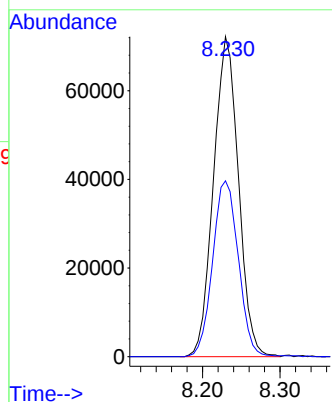
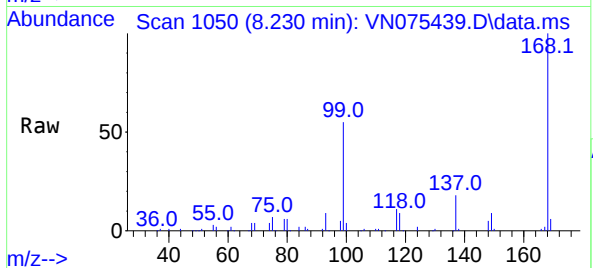




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

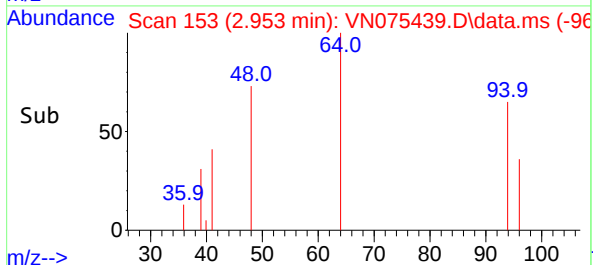
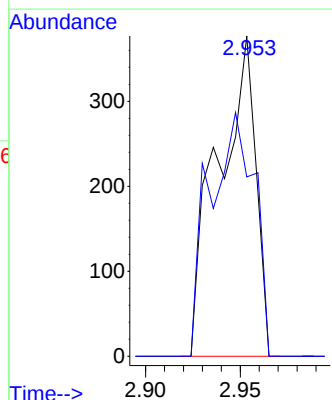
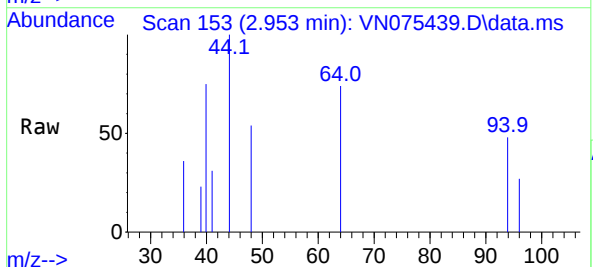
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

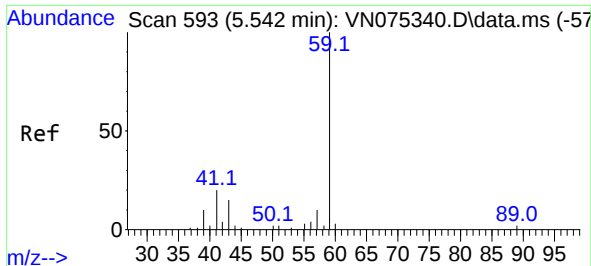
Tgt Ion:168 Resp: 161205
Ion Ratio Lower Upper
168 100
99 54.9 51.6 77.4



#5
Bromomethane
Concen: 0.308 ug/l
RT: 2.953 min Scan# 153
Delta R.T. 0.035 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 94 Resp: 524
Ion Ratio Lower Upper
94 100
96 56.0 71.8 107.6#

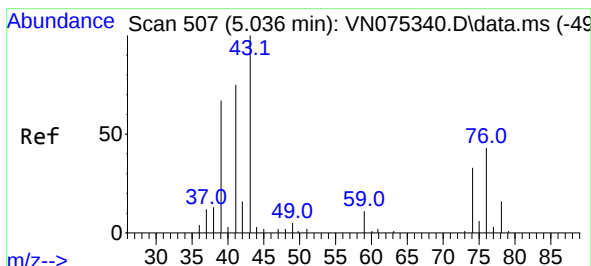
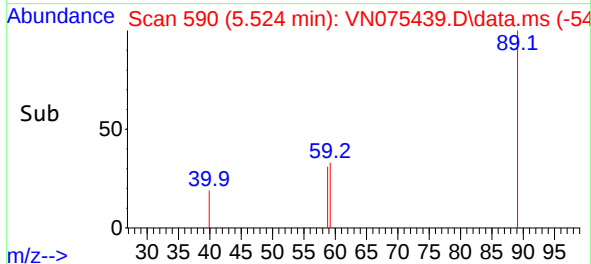
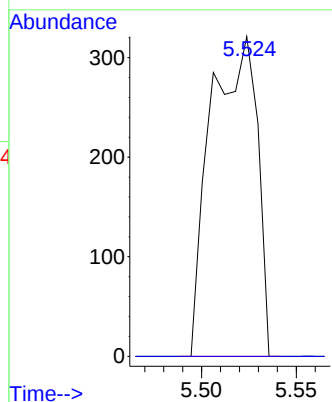
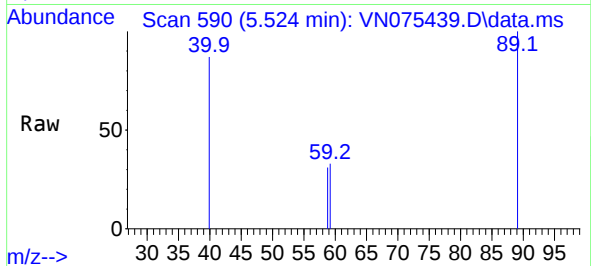




#11
Tert butyl alcohol
Concen: 1.500 ug/l
RT: 5.524 min Scan# 59
Delta R.T. -0.018 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

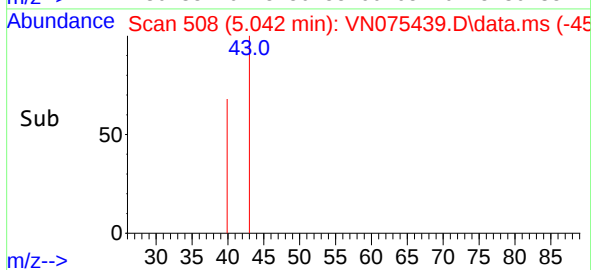
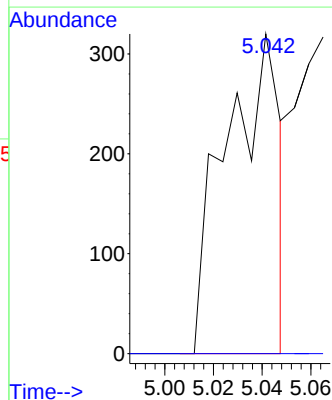
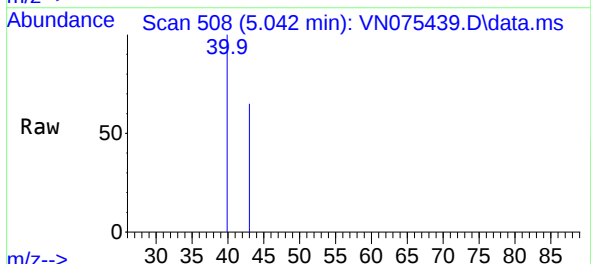
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

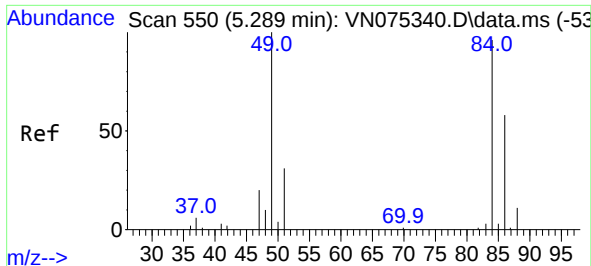
Tgt Ion: 59 Resp: 545
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 43 Resp: 494
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#

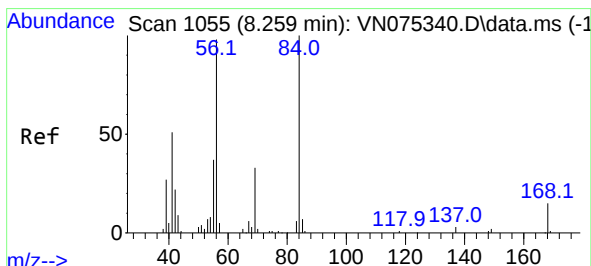
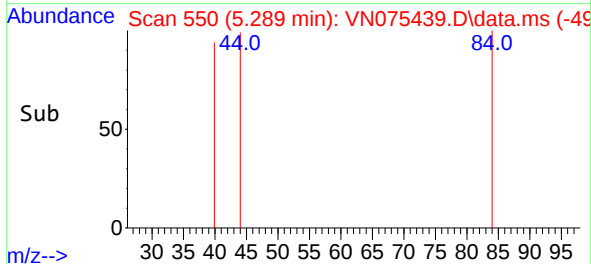
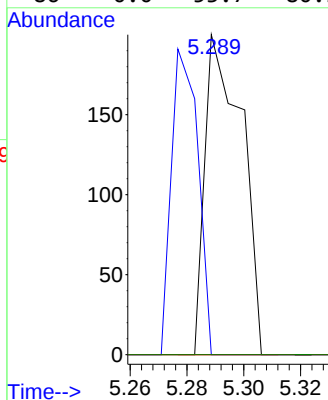
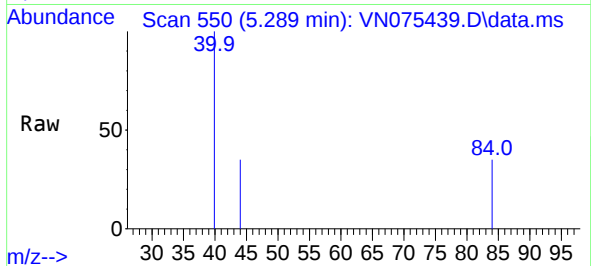




#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

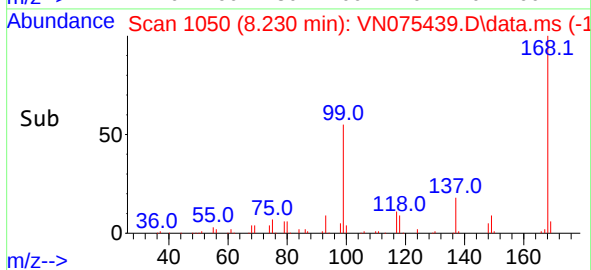
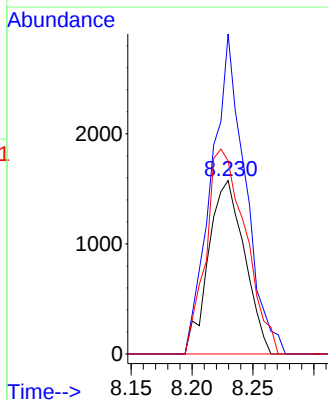
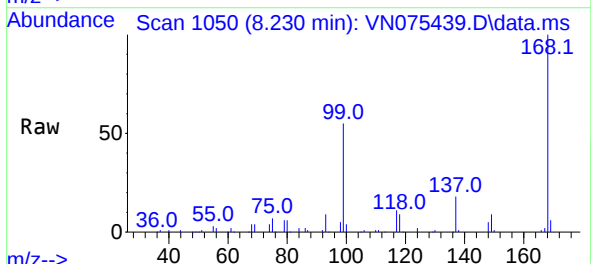
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

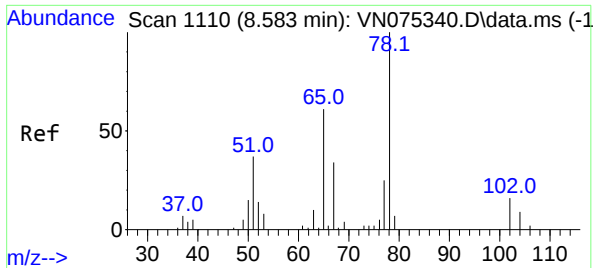
Tgt Ion:	84	Resp:	180
Ion	Ratio	Lower	Upper
84	100		
49	0.0	94.9	142.3#
51	0.0	26.8	40.2#
86	0.0	53.7	80.5#



#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion:	56	Resp:	3242
Ion	Ratio	Lower	Upper
56	100		
69	184.5	25.2	37.8#
84	111.3	77.8	116.8

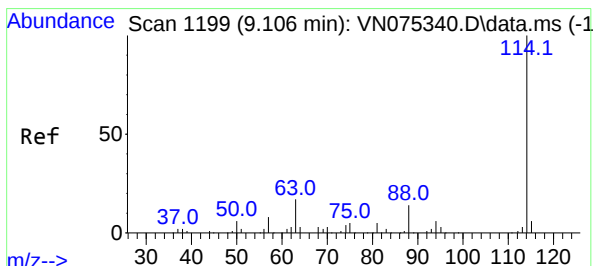
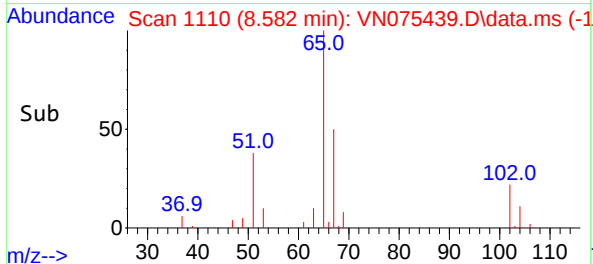
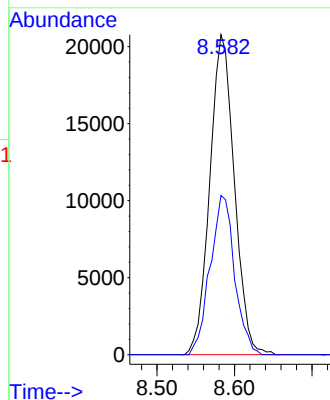
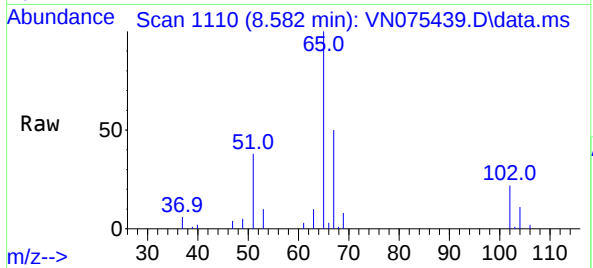




#33
1,2-Dichloroethane-d4
Concen: 52.844 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

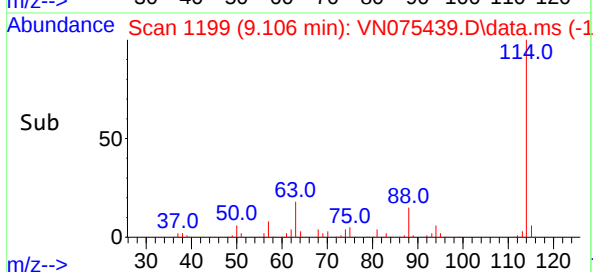
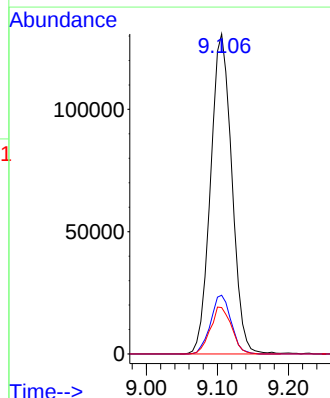
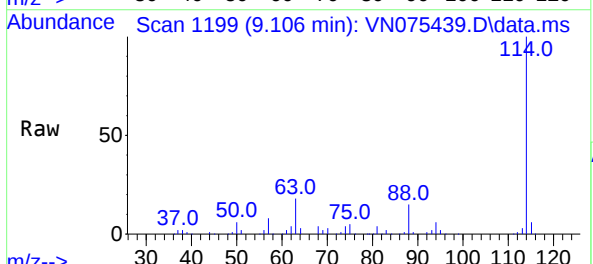
Instrument :
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ClientSampleId :
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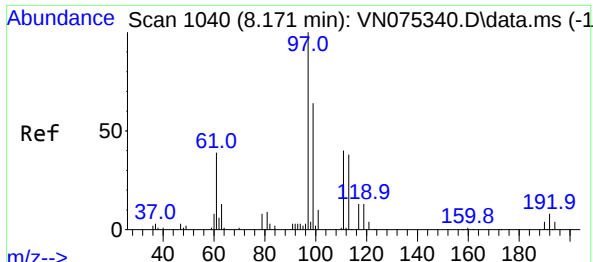
Tgt Ion: 65 Resp: 45727
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 114 Resp: 271779
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 14.5 0.0 29.0

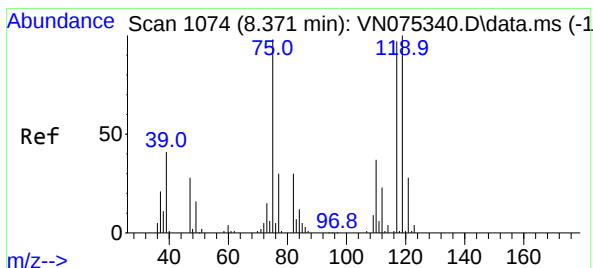
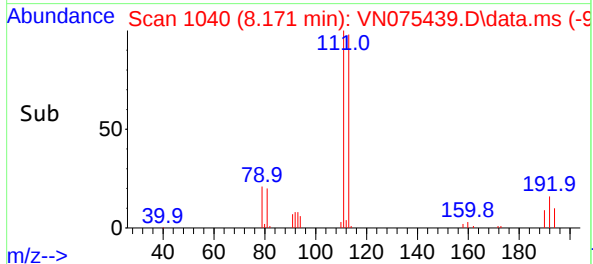
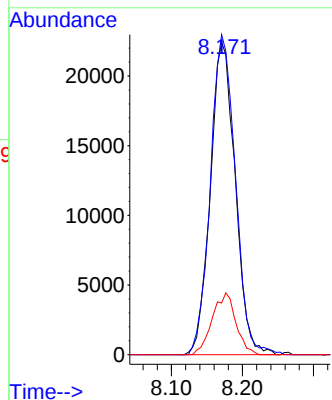
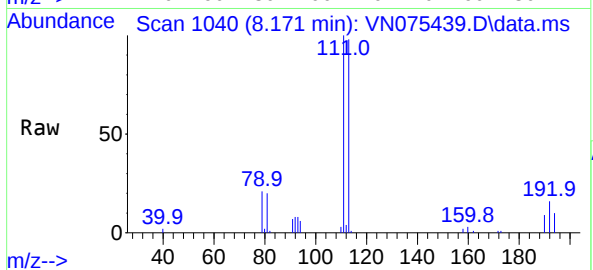




#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

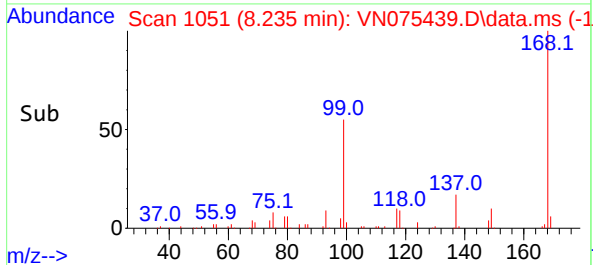
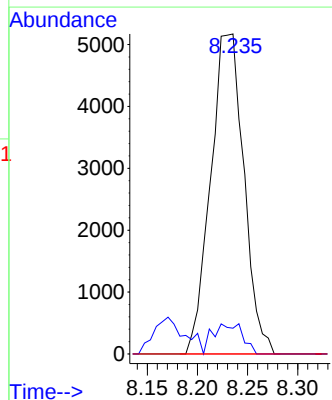
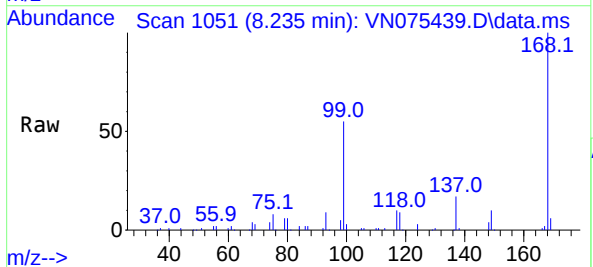
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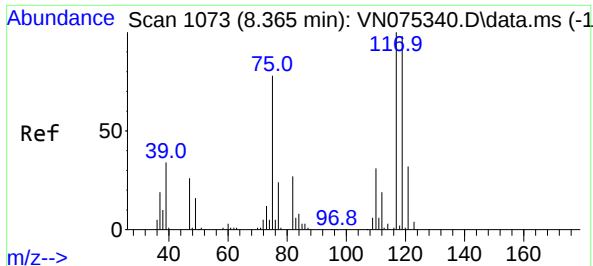
Tgt Ion:113 Resp: 54384
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 18.9 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.119 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 75 Resp: 11919
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.0 24.6 37.0#

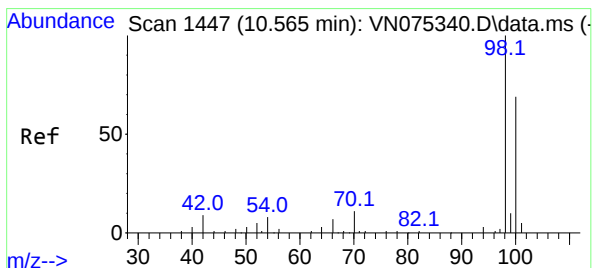
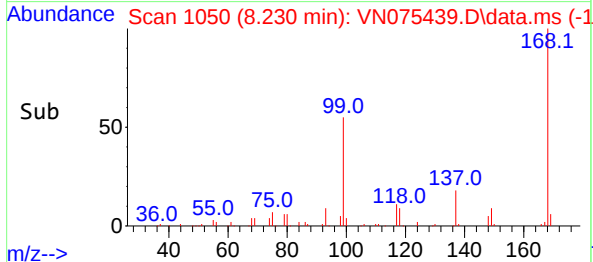
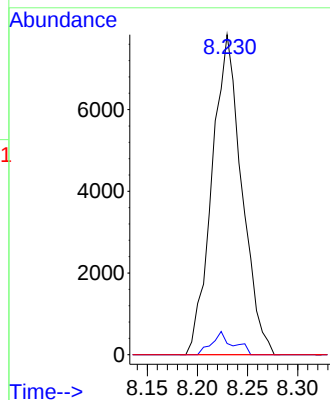
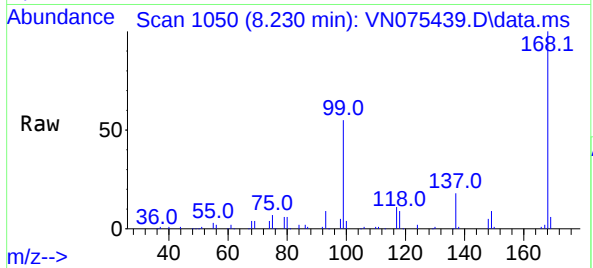




#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

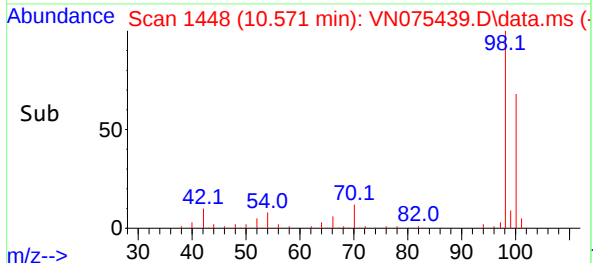
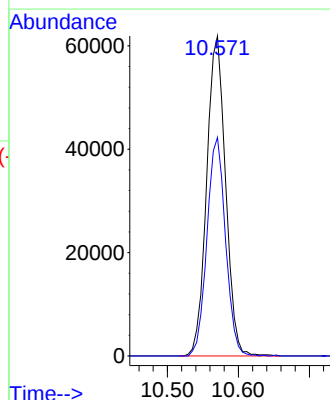
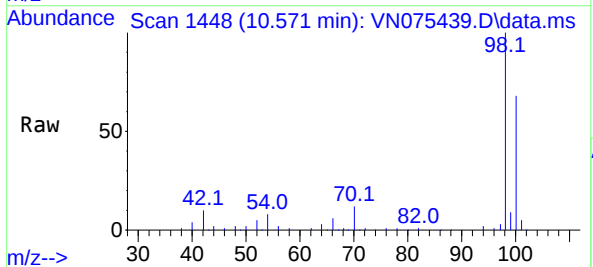
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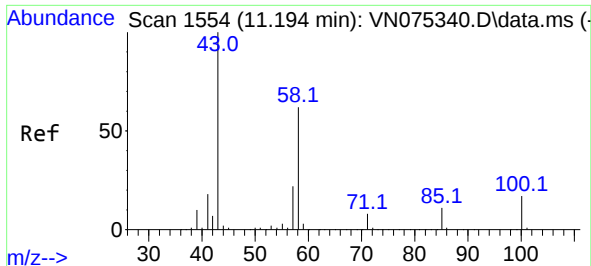
Tgt Ion:117 Resp: 16230
Ion Ratio Lower Upper
117 100
119 3.5 76.7 115.1#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.596 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 98 Resp: 114451
Ion Ratio Lower Upper
98 100
100 67.0 53.0 79.6

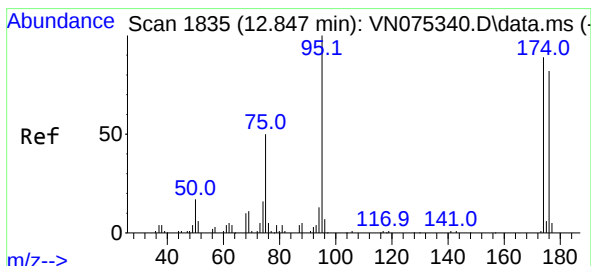
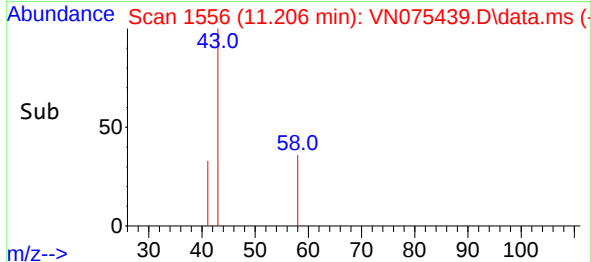
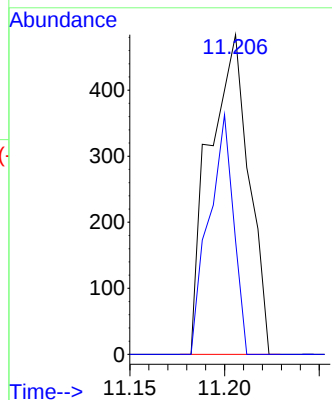
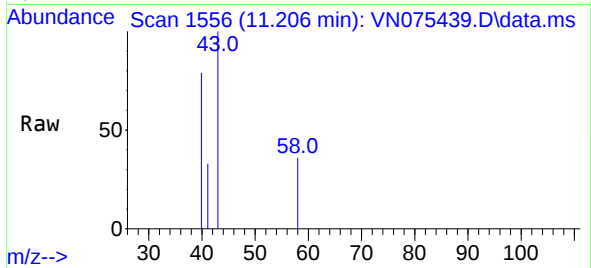




#59
2-Hexanone
Concen: 0.437 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

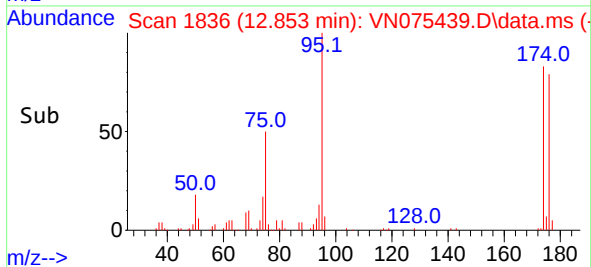
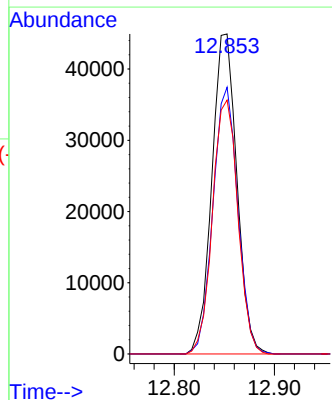
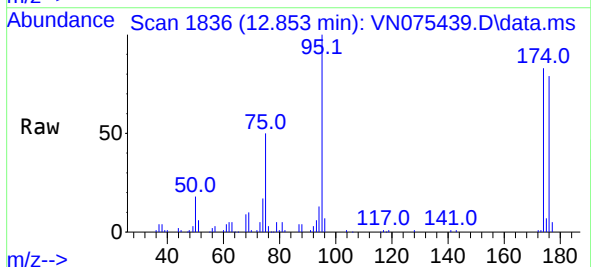
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

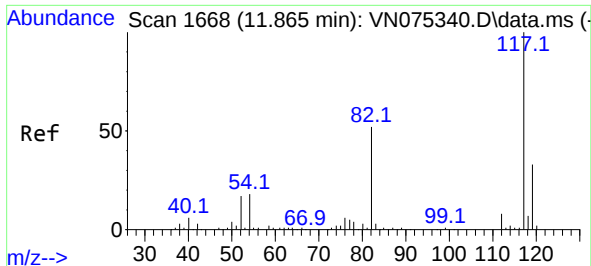
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 46.9 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 43.940 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 95 Resp: 77988
Ion Ratio Lower Upper
95 100
174 82.5 0.0 147.4
176 80.3 0.0 142.2

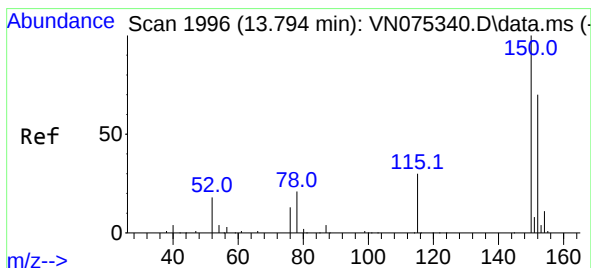
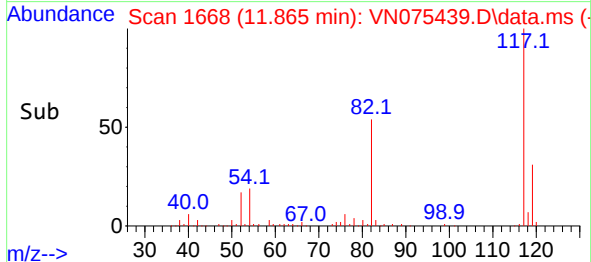
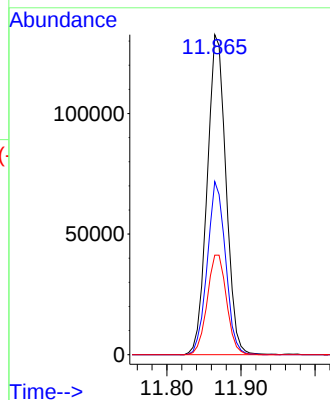
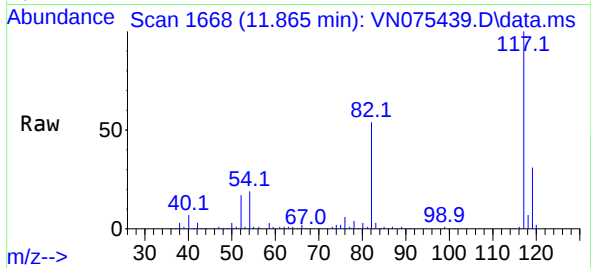




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

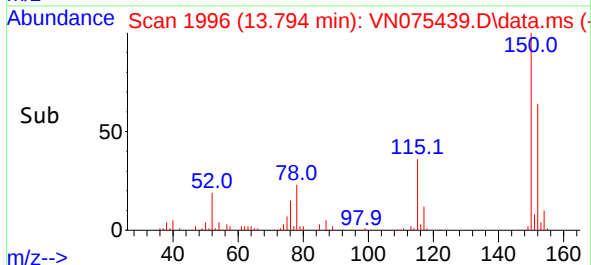
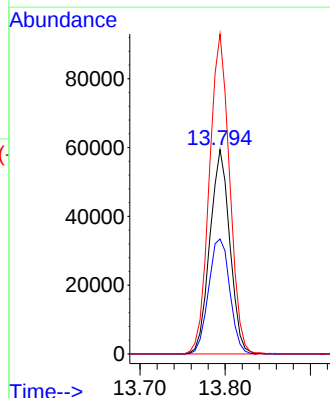
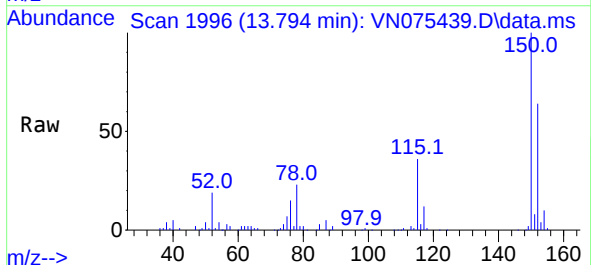
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

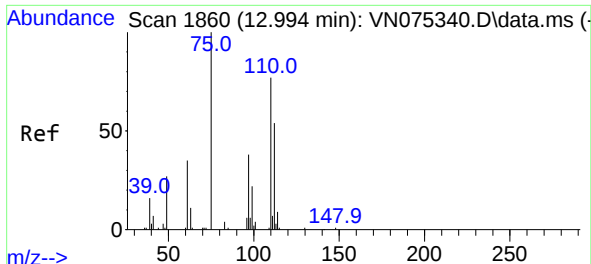
Tgt Ion:117 Resp: 233206
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion:152 Resp: 96579
Ion Ratio Lower Upper
152 100
115 60.0 30.2 90.6
150 158.5 0.0 348.4

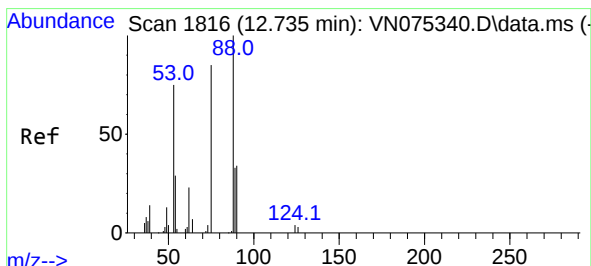
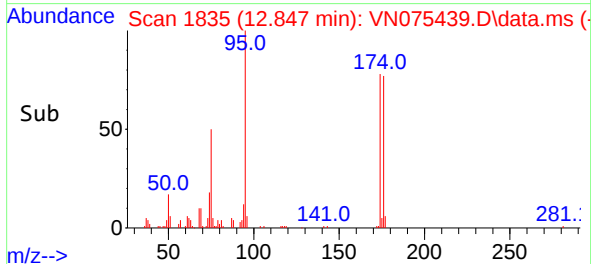
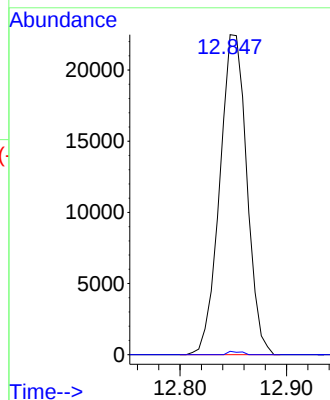
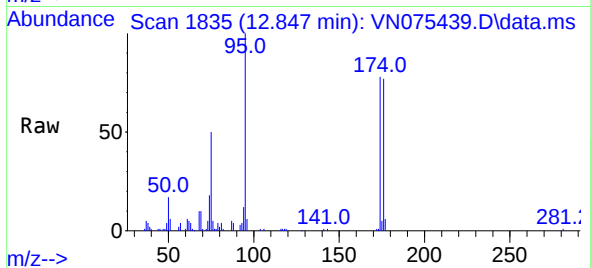




#76
1,2,3-Trichloropropane
Concen: 21.701 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

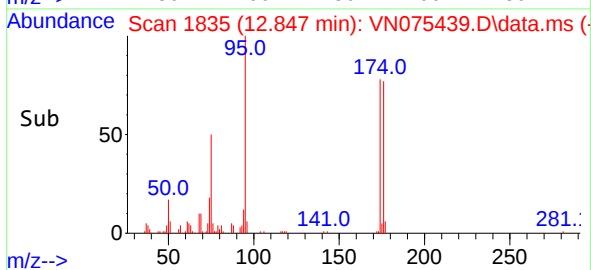
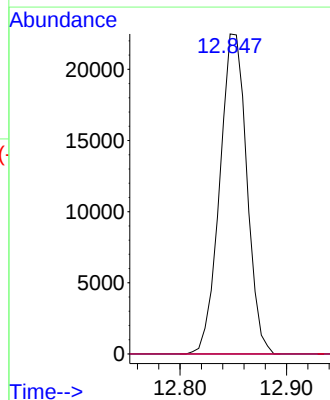
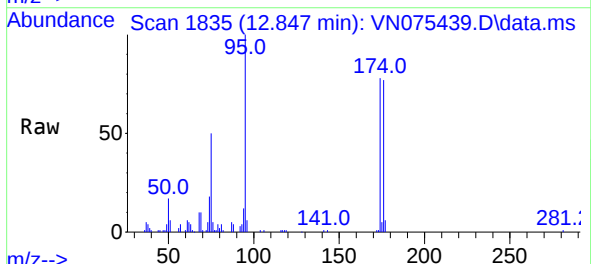
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

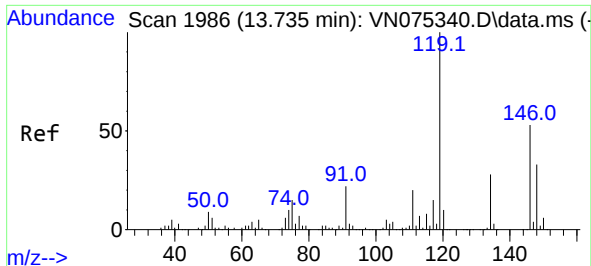
Tgt Ion: 75 Resp: 39627
Ion Ratio Lower Upper
75 100
77 0.5 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.208 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 75 Resp: 39627
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#87

1,3-Dichlorobenzene

Concen: 0.205 ug/l

RT: 13.729 min Scan# 1985

Delta R.T. -0.006 min

Lab File: VN075439.D

Acq: 28 Nov 2022 11:09

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBL01

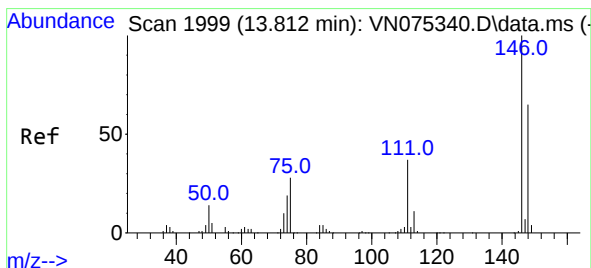
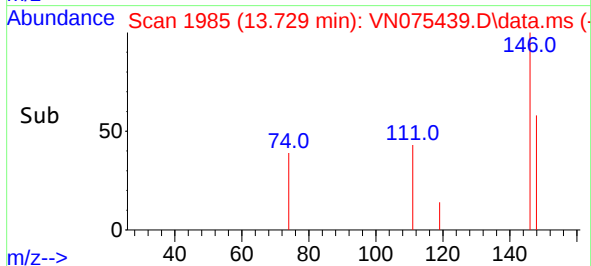
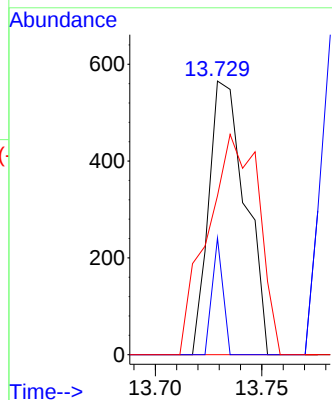
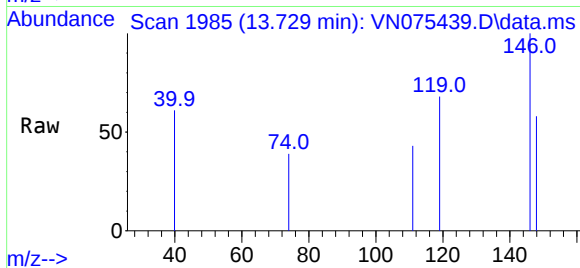
Tgt Ion:146 Resp: 677

Ion Ratio Lower Upper

146 100

111 12.6 20.8 62.5#

148 112.1 31.1 93.5#



#88

1,4-Dichlorobenzene

Concen: 0.359 ug/l

RT: 13.817 min Scan# 2000

Delta R.T. 0.005 min

Lab File: VN075439.D

Acq: 28 Nov 2022 11:09

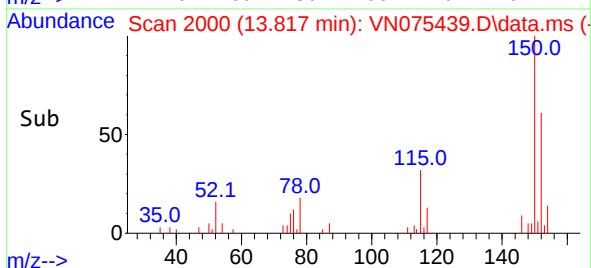
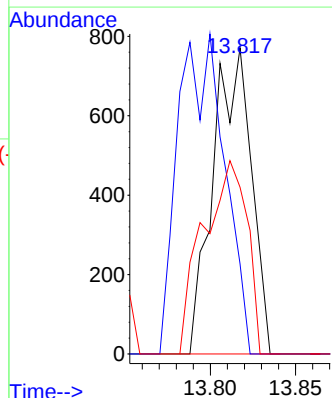
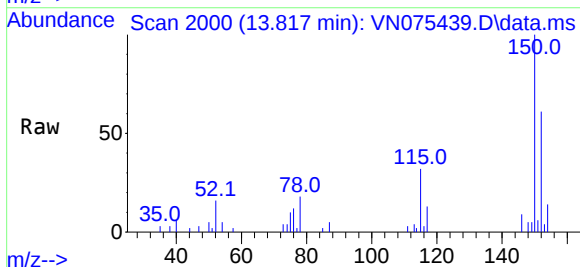
Tgt Ion:146 Resp: 1204

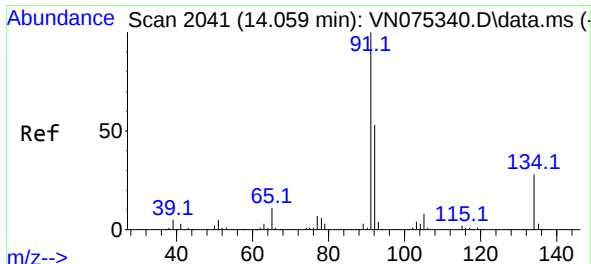
Ion Ratio Lower Upper

146 100

111 126.5 20.1 60.3#

148 72.4 31.9 95.7

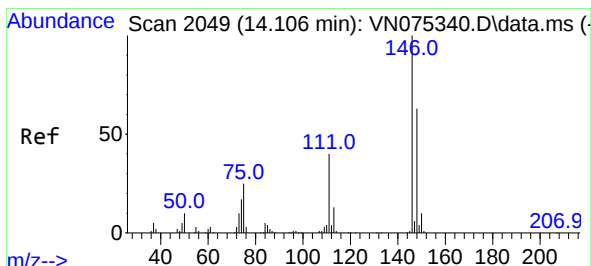
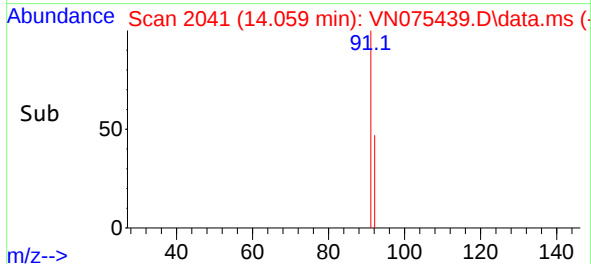
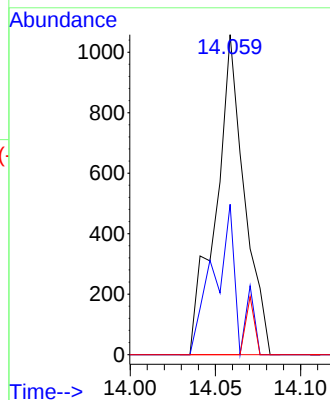
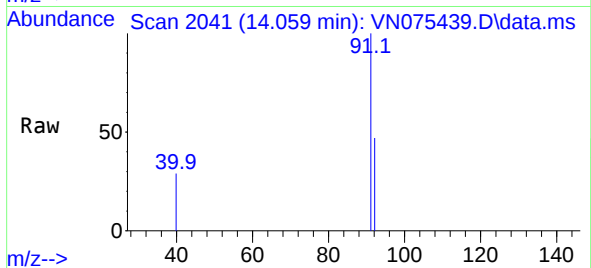




#89
n-Butylbenzene
Concen: 0.240 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

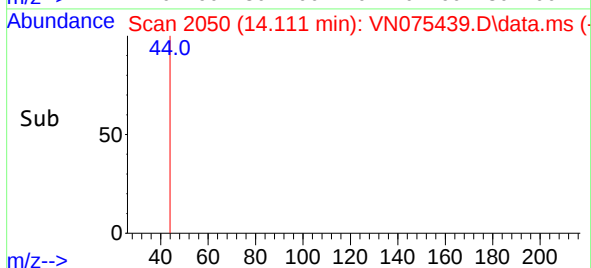
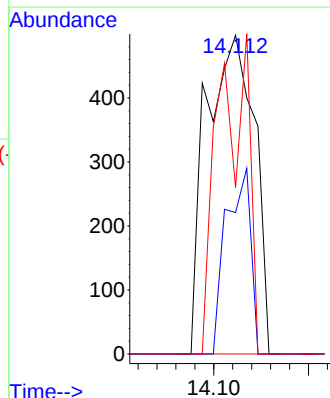
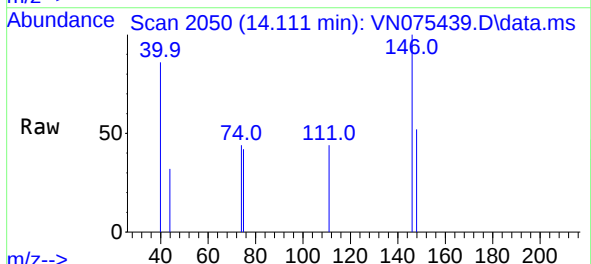
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

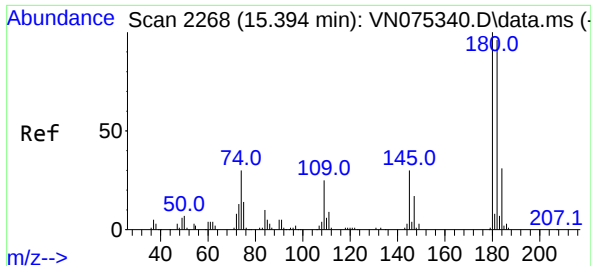
Tgt Ion: 91	Resp:	1236
Ion	Ratio	Lower Upper
91	100	
92	39.8	26.5 79.4
134	5.5	13.0 39.0



#91
1,2-Dichlorobenzene
Concen: 0.273 ug/l
RT: 14.111 min Scan# 2050
Delta R.T. 0.005 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

Tgt Ion: 146	Resp:	877
Ion	Ratio	Lower Upper
146	100	
111	29.6	21.3 63.9
148	63.1	31.4 94.2

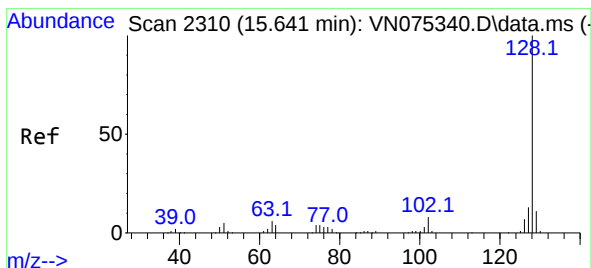
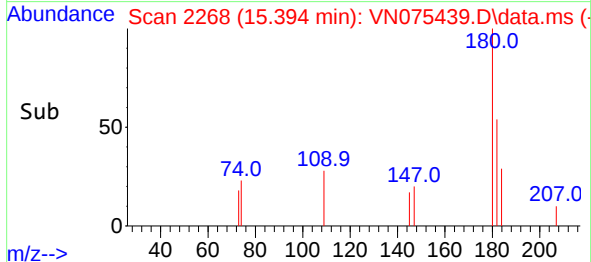
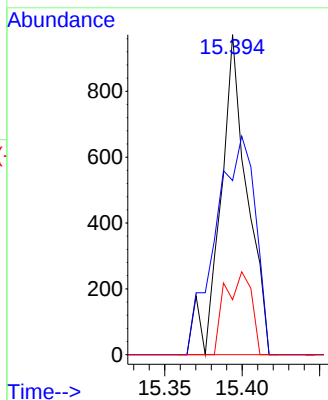
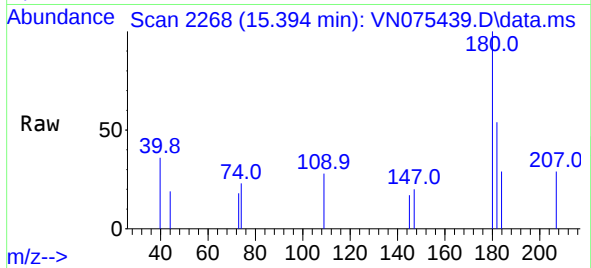




#93
1,2,4-Trichlorobenzene
Concen: 0.702 ug/l
RT: 15.394 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

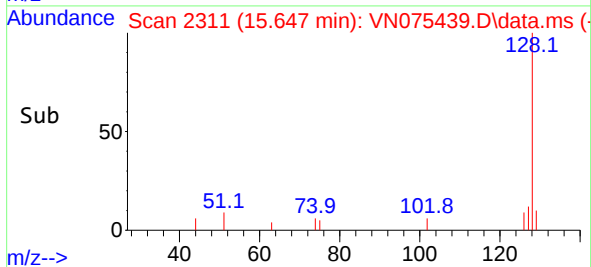
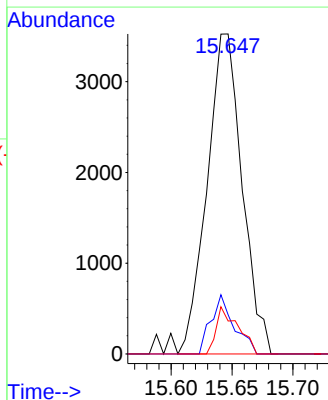
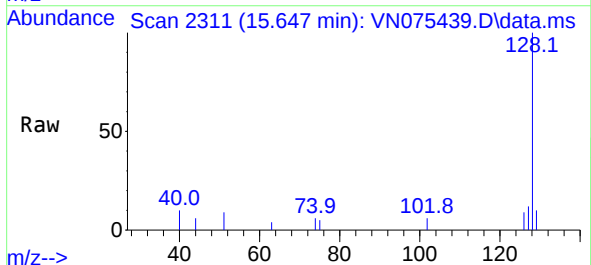
Instrument :
MSVOA_N
ClientSampleId :
VN1128WBL01

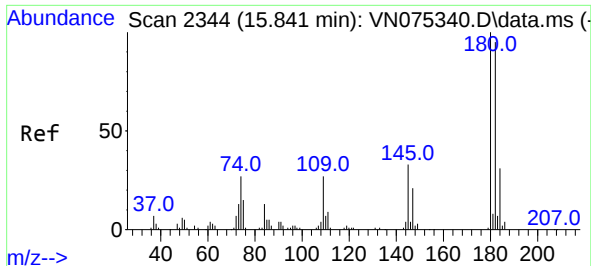
Tgt Ion:180 Resp: 1157
Ion Ratio Lower Upper
180 100
182 102.2 47.8 143.4
145 25.6 16.8 50.3



#95
Naphthalene
Concen: 1.360 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075439.D
Acq: 28 Nov 2022 11:09

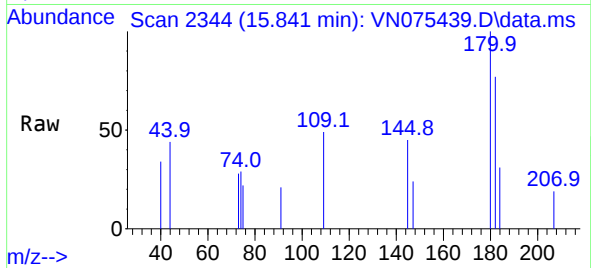
Tgt Ion:128 Resp: 7052
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 9.1 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.837 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075439.D
 Acq: 28 Nov 2022 11:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBL01



Tgt Ion:	180	Resp:	1357
Ion	Ratio	Lower	Upper
180	100		
182	105.2	47.3	141.8
145	26.8	17.6	52.9

