

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075490.D
 Acq On : 30 Nov 2022 09:30
 Operator : JC\MD
 Sample : VN1130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBL01

Quant Time: Dec 01 02:12:13 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)

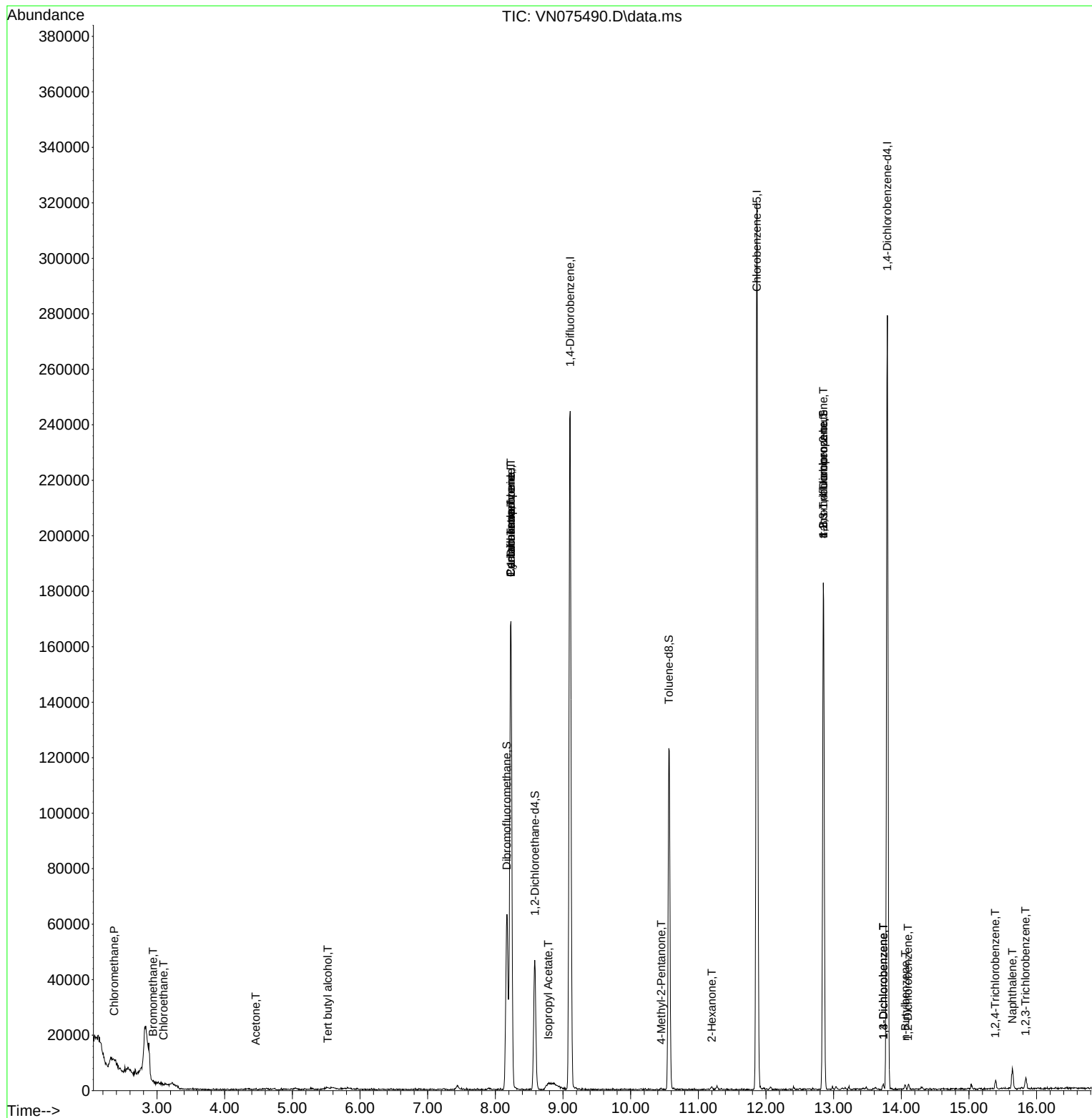
Internal Standards						
1) Pentafluorobenzene	8.230	168	130976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	226315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	196046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	38303	54.480	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.960%	
35) Dibromofluoromethane	8.171	113	46175	51.938	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.880%	
50) Toluene-d8	10.565	98	91759	45.825	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 91.660%	
62) 4-Bromofluorobenzene	12.847	95	62930	42.579	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 85.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	252	0.202	ug/l #	42
5) Bromomethane	2.942	94	481	0.348	ug/l	83
6) Chloroethane	3.095	64	491	0.413	ug/l #	45
11) Tert butyl alcohol	5.524	59	80	0.271	ug/l #	72
16) Acetone	4.459	43	259	0.395	ug/l #	43
18) Methyl Acetate	5.048	43	1220	Below Cal	#	57
20) Methylene Chloride	5.289	84	168	Below Cal	#	69
31) Cyclohexane	8.230	56	2528	1.132	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	9836	5.073	ug/l #	50
38) Carbon Tetrachloride	8.230	117	13016	6.111	ug/l #	16
43) Isopropyl Acetate	8.783	43	2495	0.890	ug/l #	53
51) 4-Methyl-2-Pentanone	10.453	43	398	0.223	ug/l #	57
59) 2-Hexanone	11.200	43	752	0.561	ug/l	87
76) 1,2,3-Trichloropropane	12.847	75	31649	21.508	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	31649	63.637	ug/l #	10
87) 1,3-Dichlorobenzene	13.735	146	1011	0.380	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1011	0.374	ug/l	92
89) n-Butylbenzene	14.059	91	1128	0.272	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	1206	0.465	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	1536	1.156	ug/l	94
95) Naphthalene	15.641	128	8546	2.045	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	1665	1.275	ug/l	82

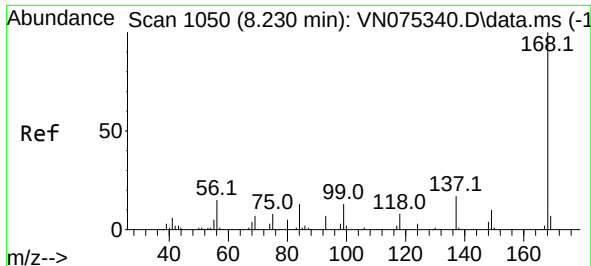
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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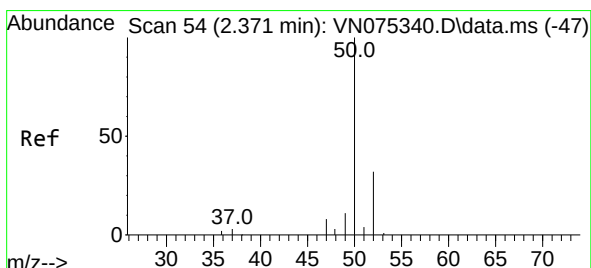
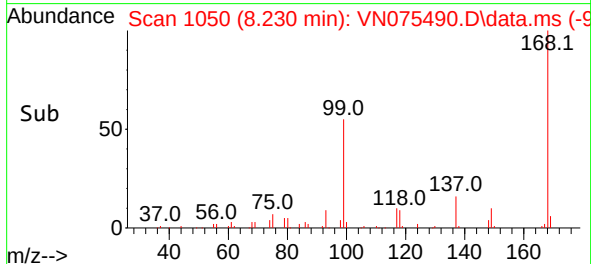
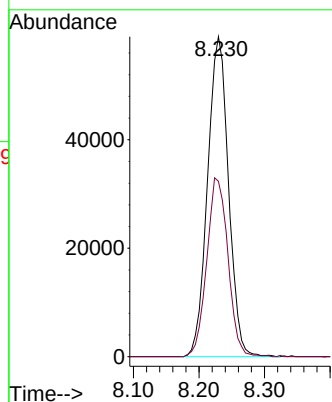
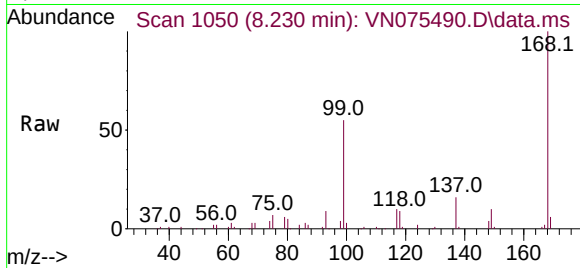




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

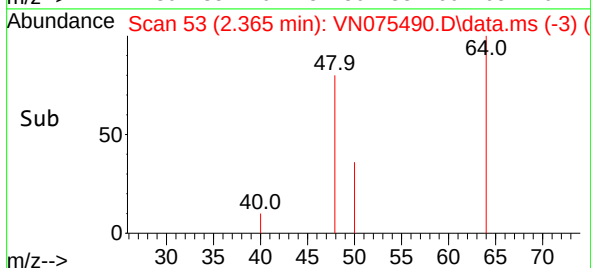
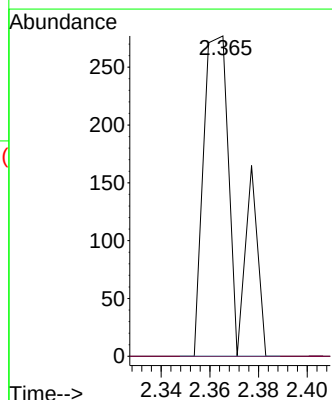
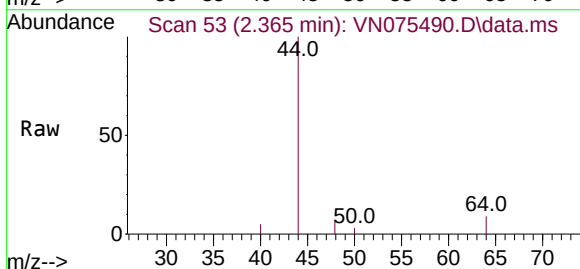
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

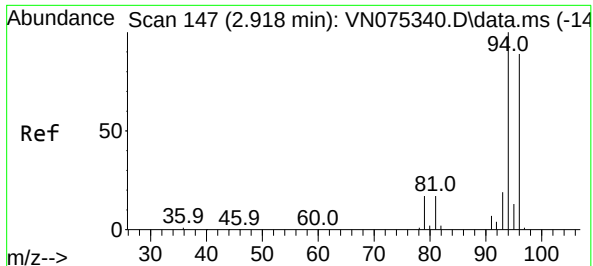
Tgt Ion:168 Resp: 130976
Ion Ratio Lower Upper
168 100
99 54.8 51.6 77.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 53
Delta R.T. -0.006 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 50 Resp: 252
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

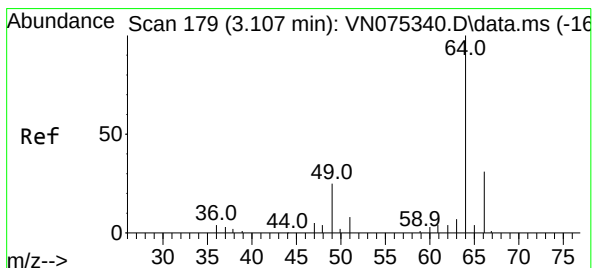
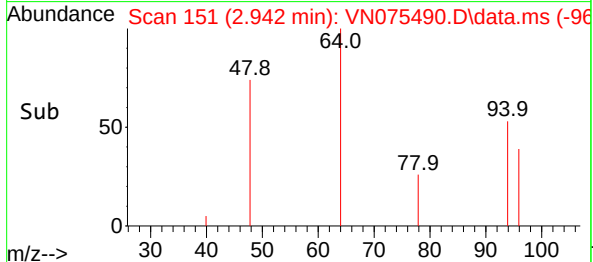
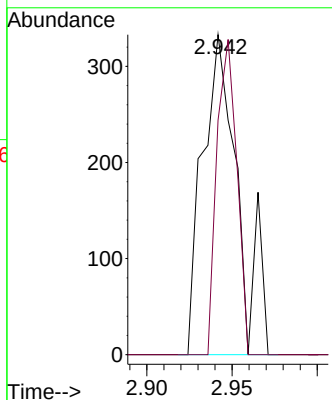
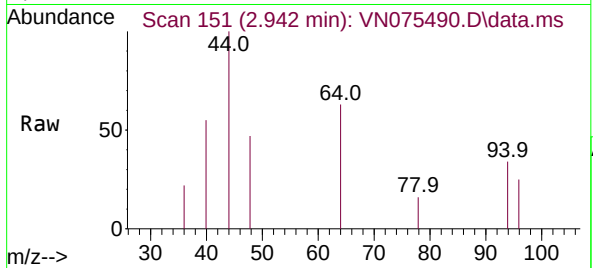




#5
Bromomethane
Concen: 0.348 ug/l
RT: 2.942 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

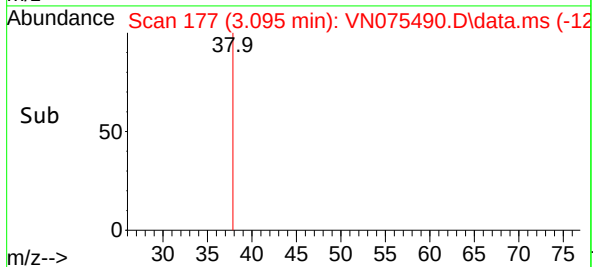
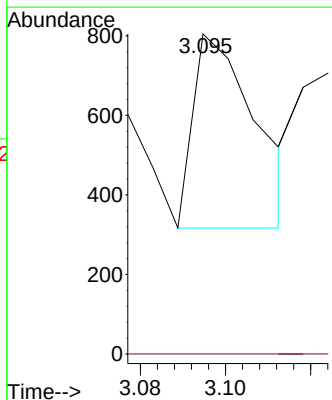
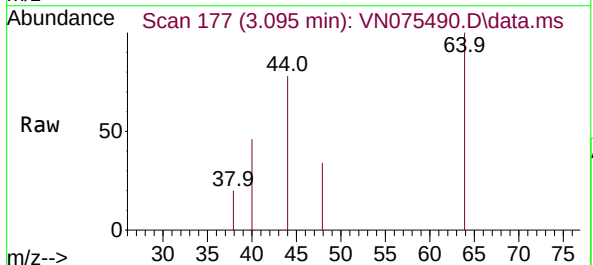
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

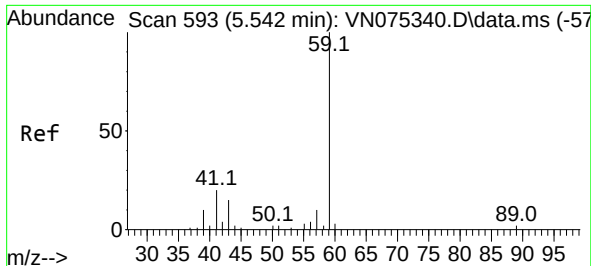
Tgt Ion: 94 Resp: 481
Ion Ratio Lower Upper
94 100
96 73.3 71.8 107.6



#6
Chloroethane
Concen: 0.413 ug/l
RT: 3.095 min Scan# 177
Delta R.T. -0.012 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 64 Resp: 491
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

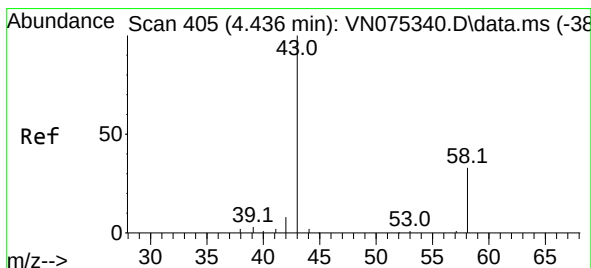
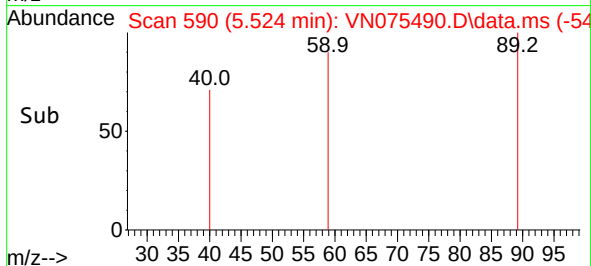
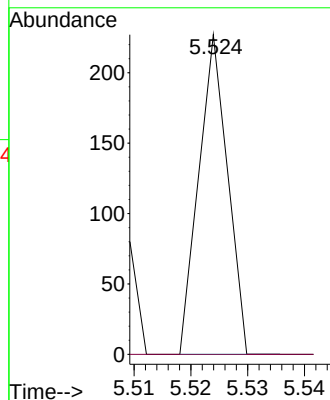
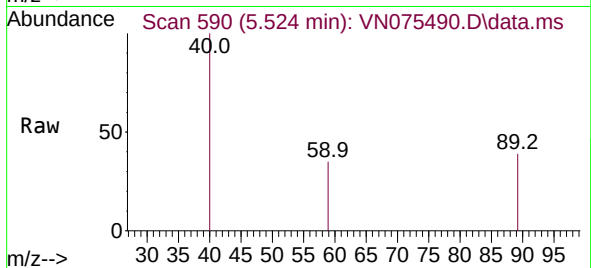




#11
Tert butyl alcohol
Concen: 0.271 ug/l
RT: 5.524 min Scan# 593
Delta R.T. -0.018 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

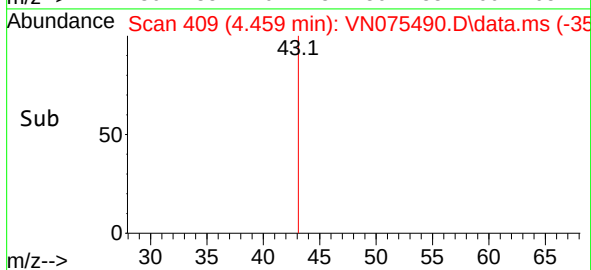
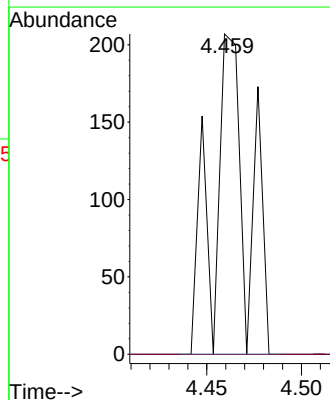
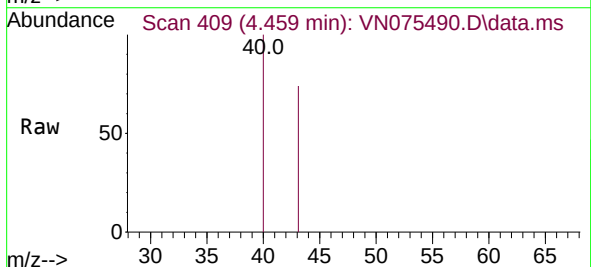
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

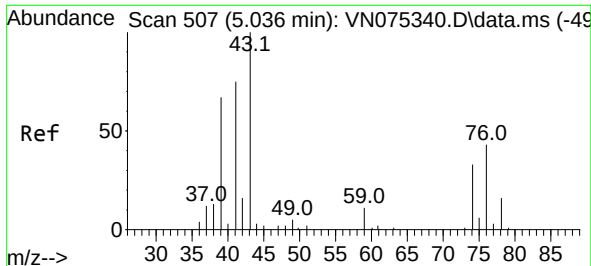
Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.395 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.023 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

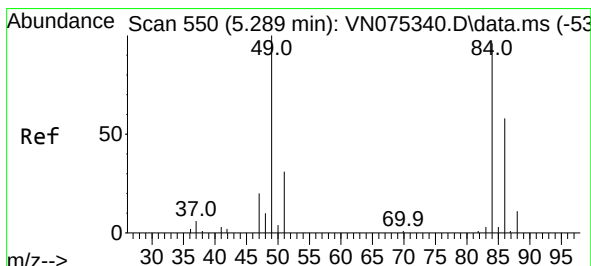
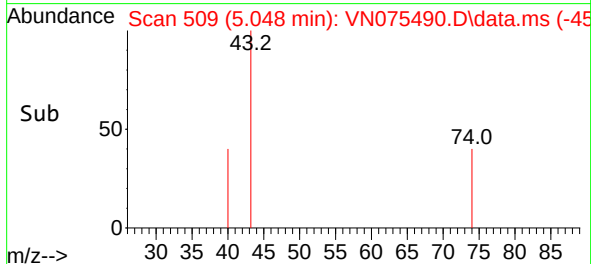
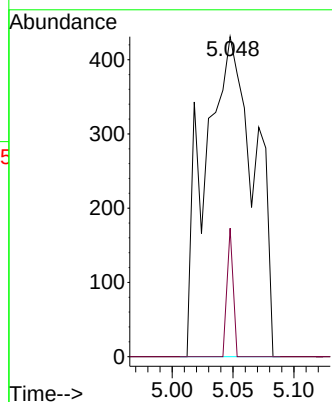
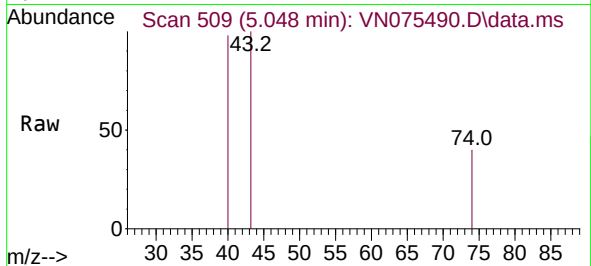




#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

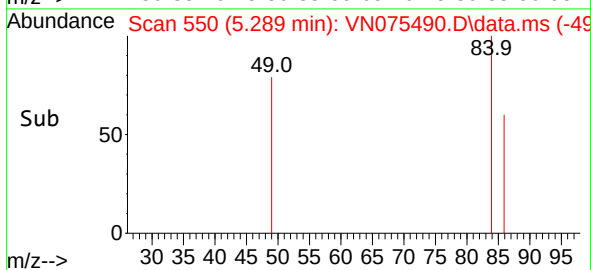
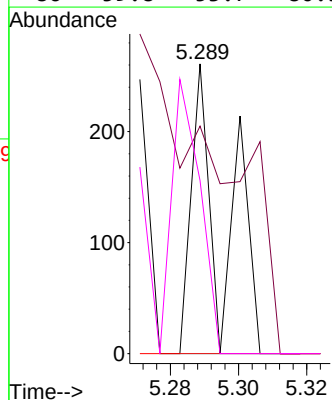
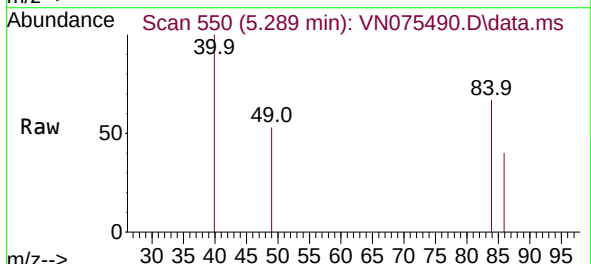
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

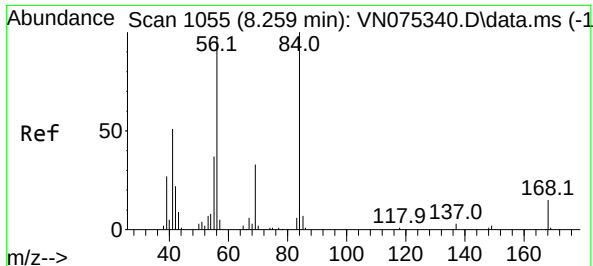
Tgt Ion: 43 Resp: 1220
Ion Ratio Lower Upper
43 100
74 5.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 84 Resp: 168
Ion Ratio Lower Upper
84 100
49 78.5 94.9 142.3#
51 0.0 26.8 40.2#
86 59.8 53.7 80.5

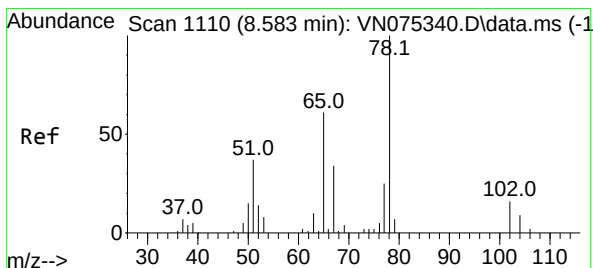
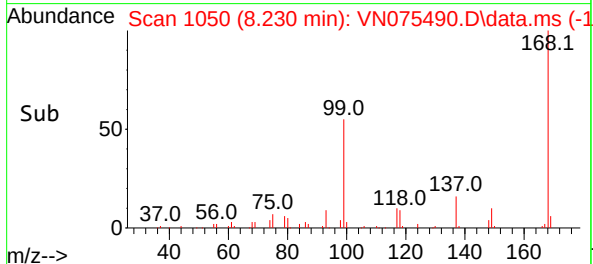
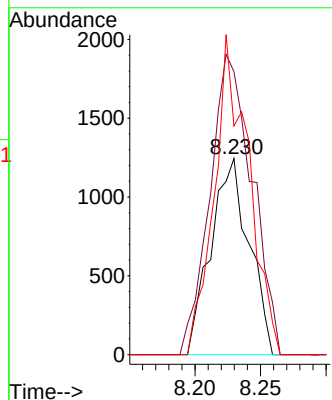
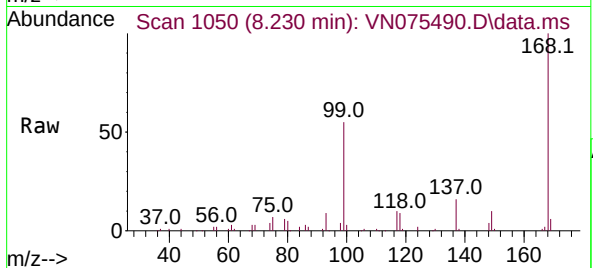




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

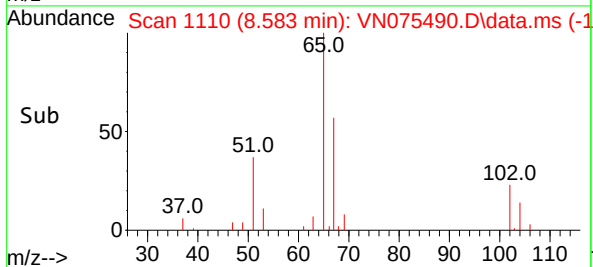
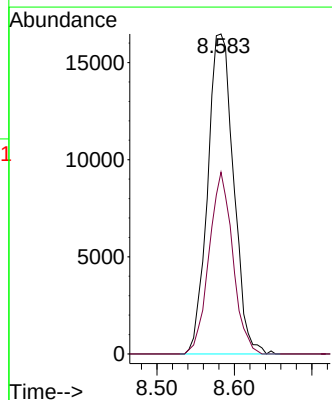
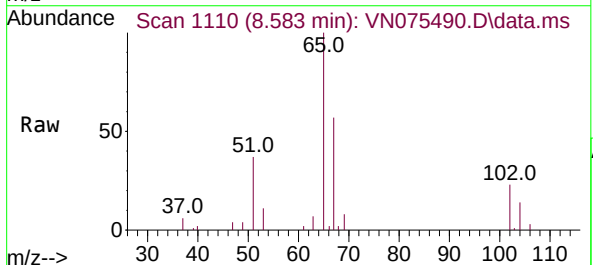
Instrument :
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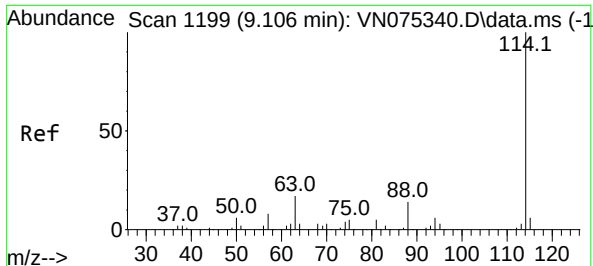
Tgt Ion: 56 Resp: 2528
Ion Ratio Lower Upper
56 100
69 144.4 25.2 37.8#
84 116.6 77.8 116.8



#33
1,2-Dichloroethane-d4
Concen: 54.480 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 65 Resp: 38303
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: VN075490.D

Acq: 30 Nov 2022 09:30

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBL01

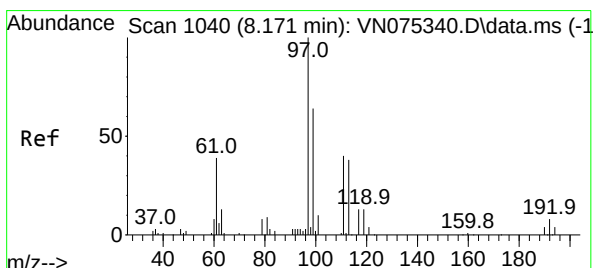
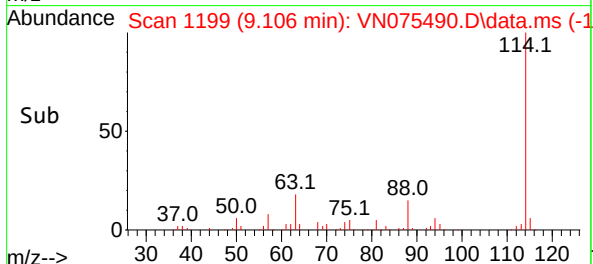
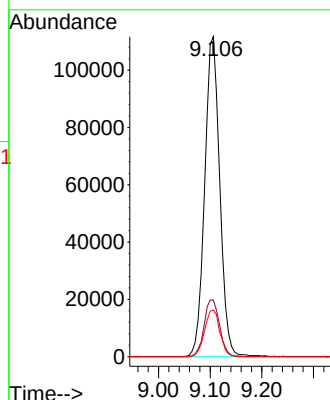
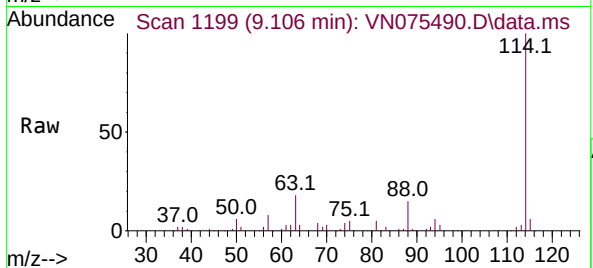
Tgt Ion:114 Resp: 226315

Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.938 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

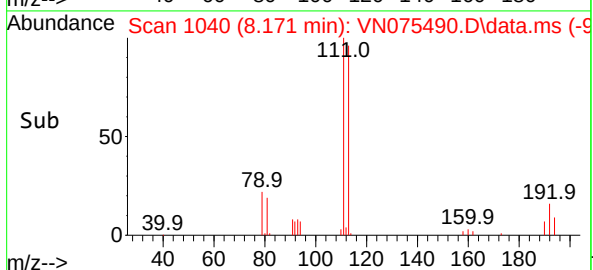
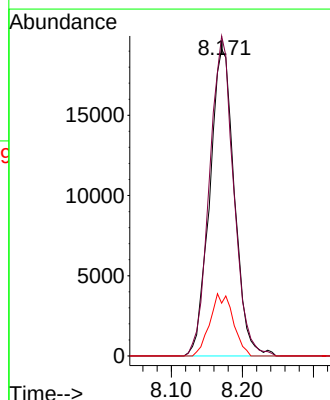
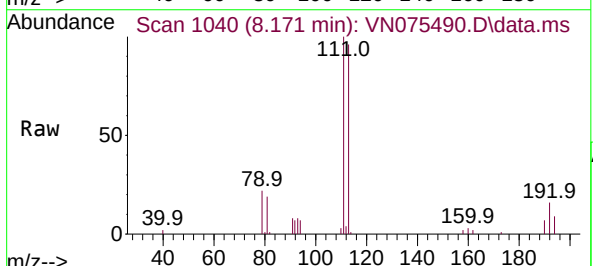
Tgt Ion:113 Resp: 46175

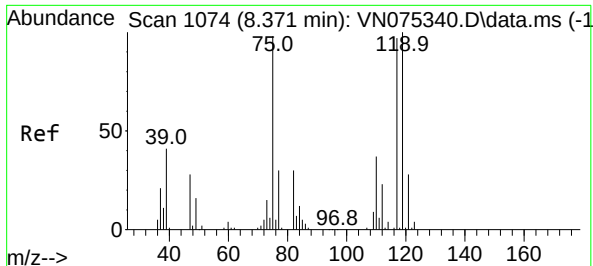
Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

192 19.0 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBL01

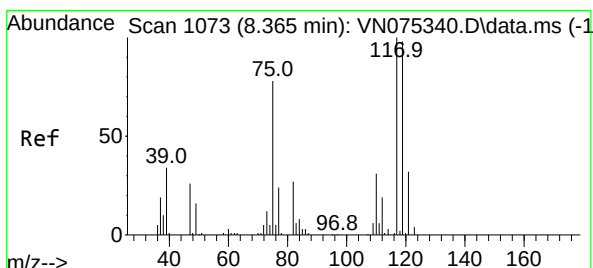
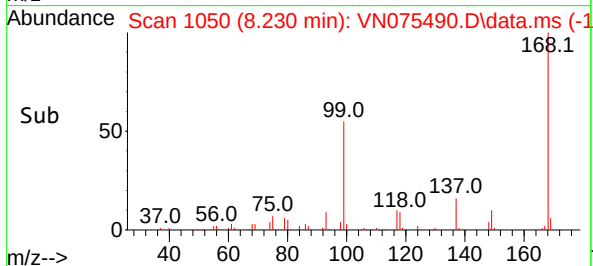
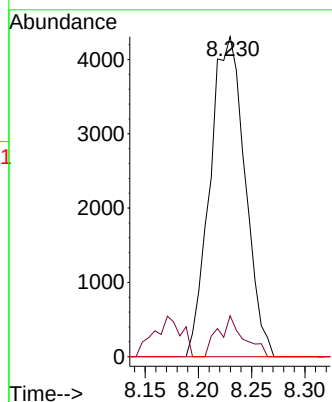
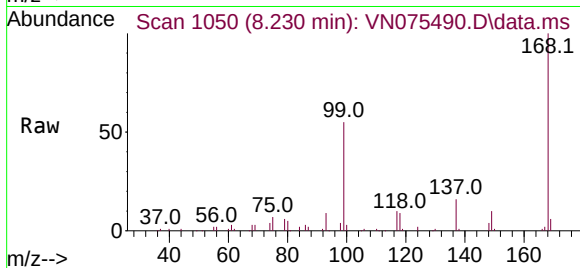
Tgt Ion: 75 Resp: 9836

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

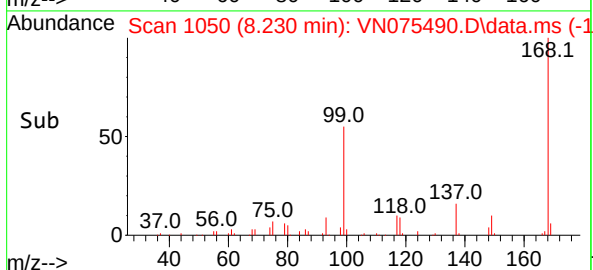
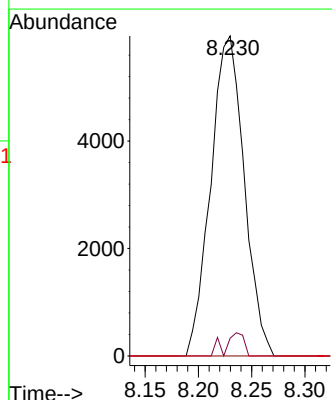
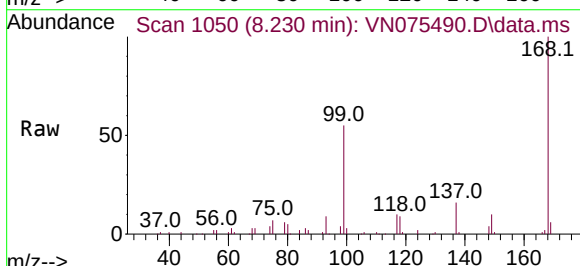
Tgt Ion: 117 Resp: 13016

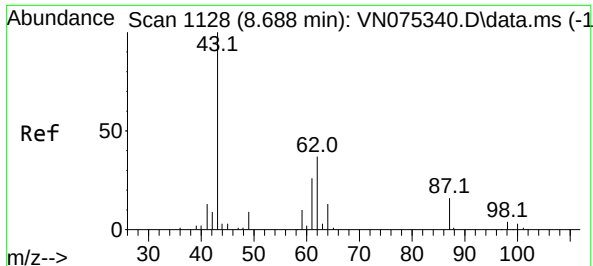
Ion Ratio Lower Upper

117 100

119 5.5 76.7 115.1#

121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.890 ug/l

RT: 8.783 min Scan# 1144

Delta R.T. 0.095 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBL01

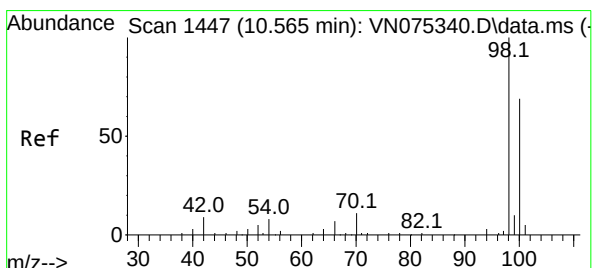
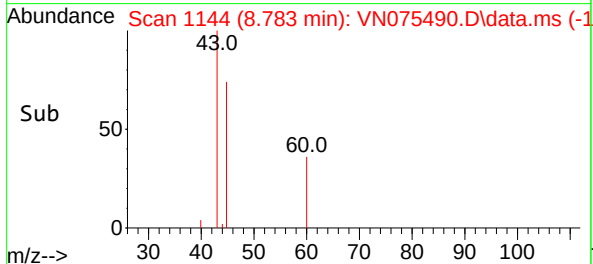
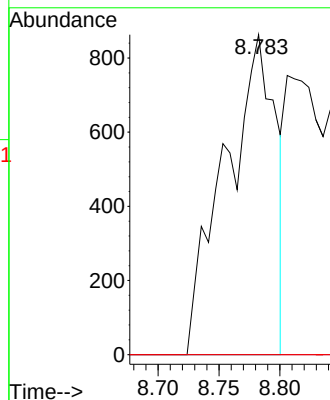
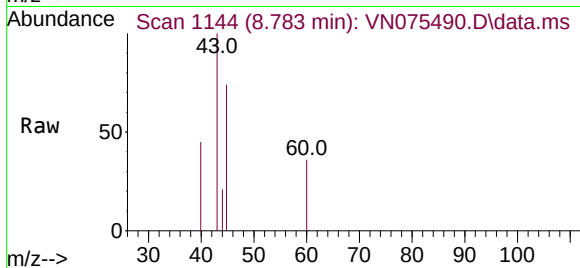
Tgt Ion: 43 Resp: 2495

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#



#50

Toluene-d8

Concen: 45.825 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN075490.D

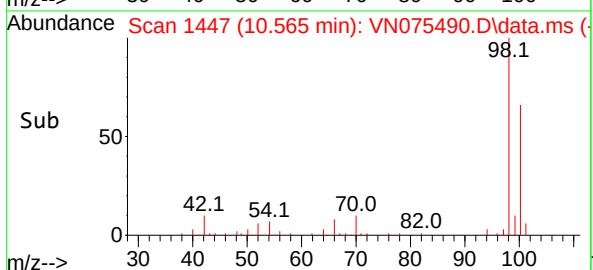
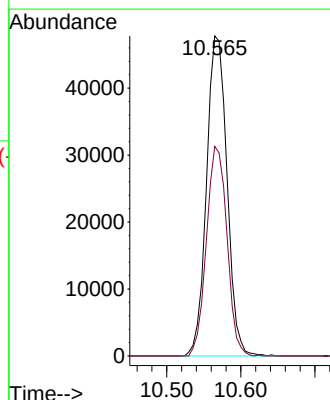
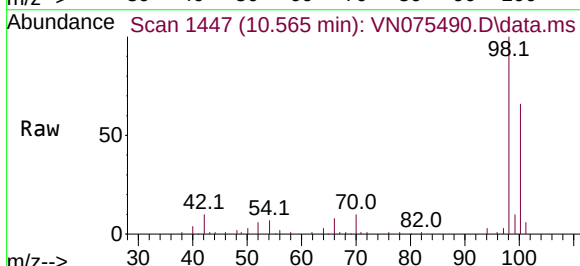
Acq: 30 Nov 2022 09:30

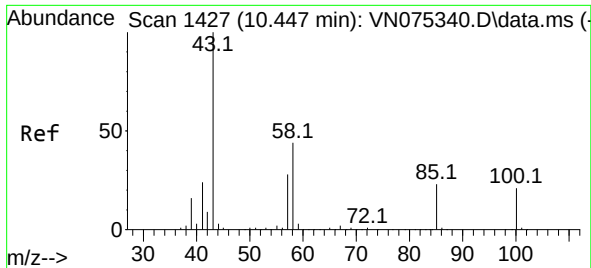
Tgt Ion: 98 Resp: 91759

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6

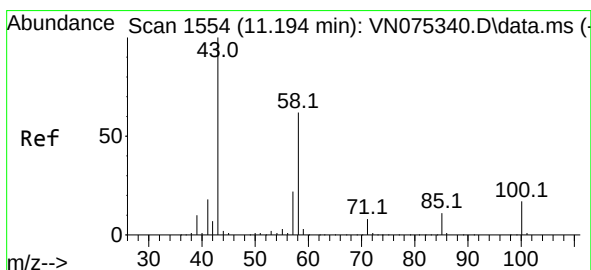
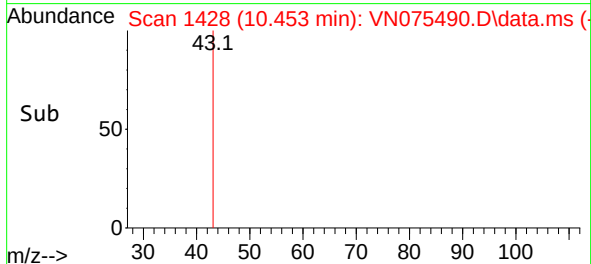
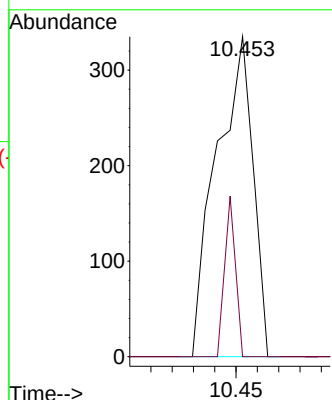
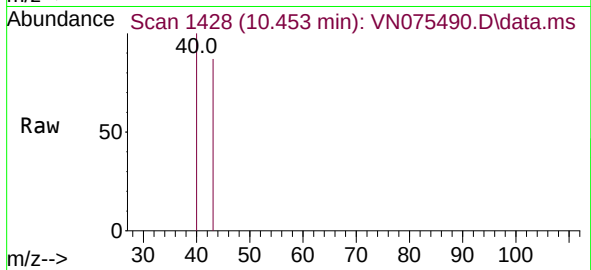




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.453 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

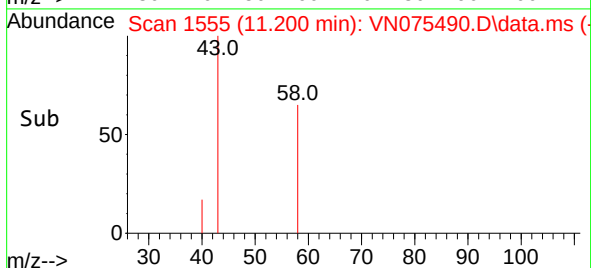
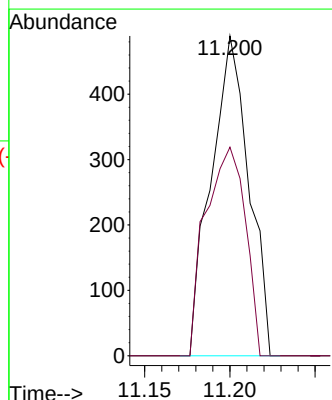
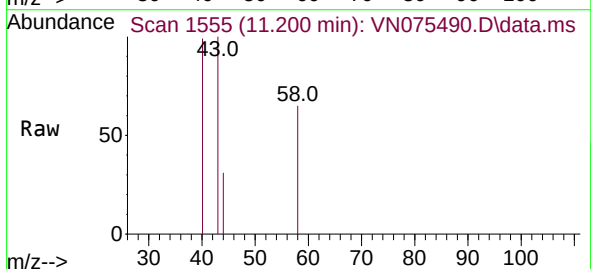
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

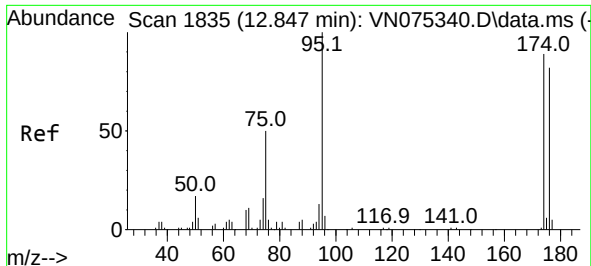
Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
58 14.8 33.6 50.4#



#59
2-Hexanone
Concen: 0.561 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
58 68.8 29.6 88.8

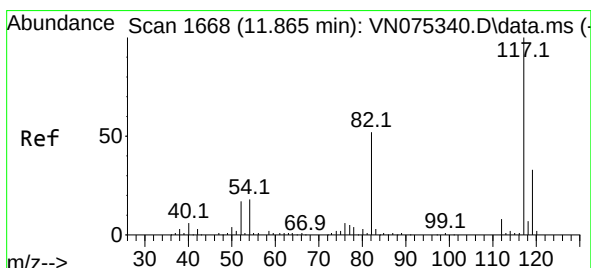
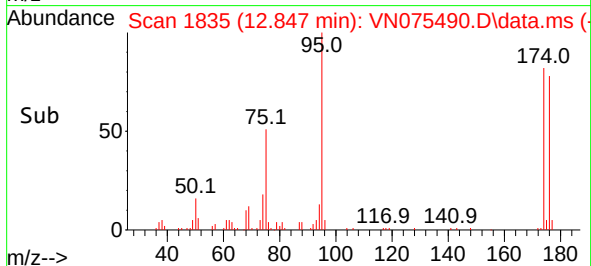
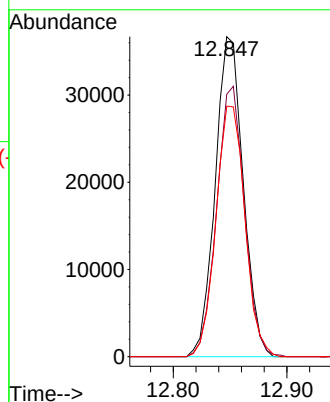
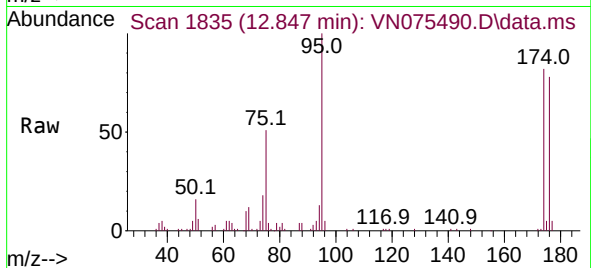




#62
4-Bromofluorobenzene
Concen: 42.579 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

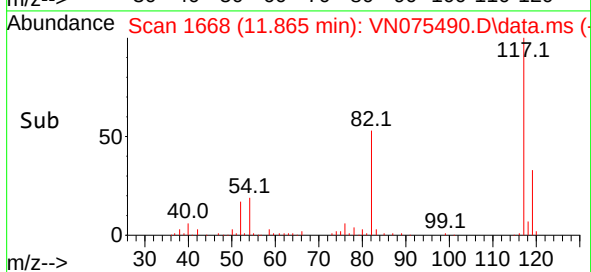
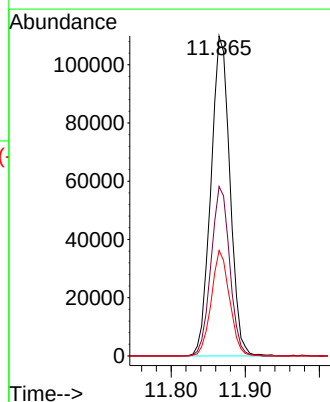
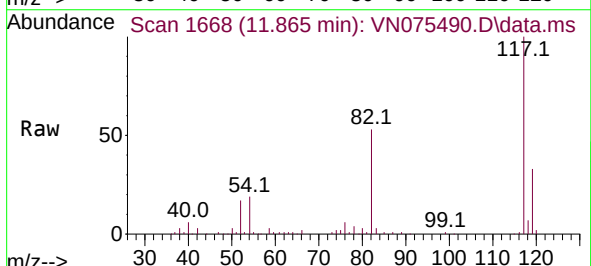
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

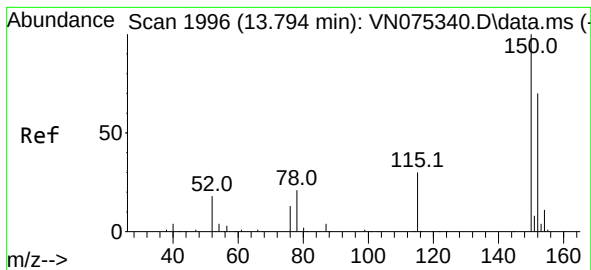
Tgt Ion: 95 Resp: 62930
Ion Ratio Lower Upper
95 100
174 83.8 0.0 147.4
176 81.0 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 117 Resp: 196046
Ion Ratio Lower Upper
117 100
82 52.9 43.1 64.7
119 32.9 25.5 38.3

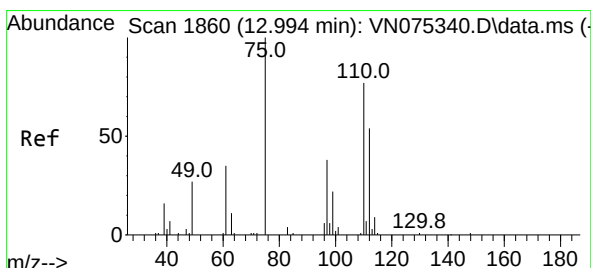
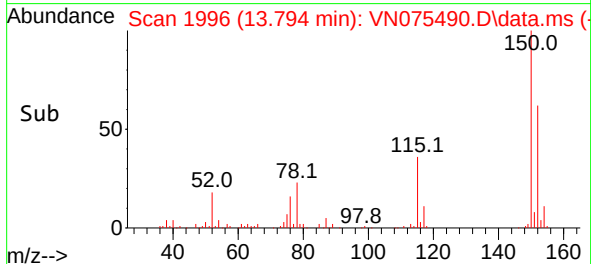
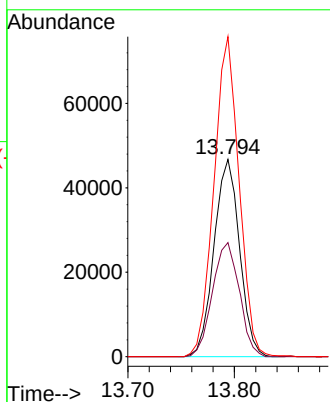
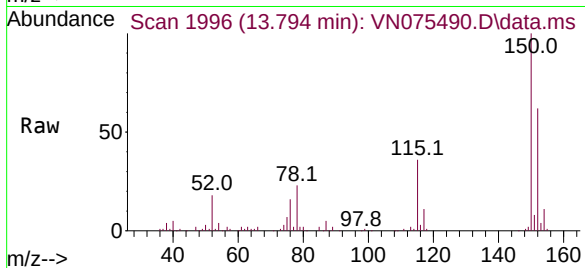




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075490.D
 Acq: 30 Nov 2022 09:30

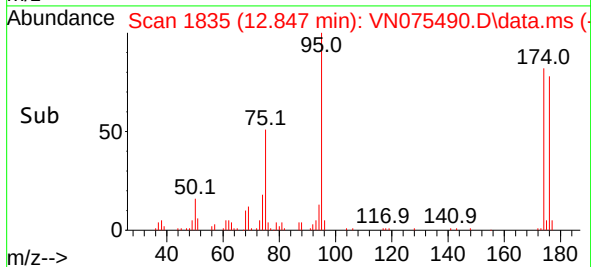
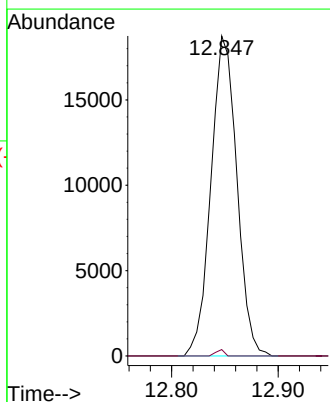
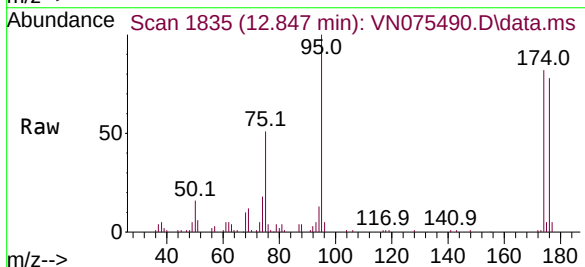
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBL01

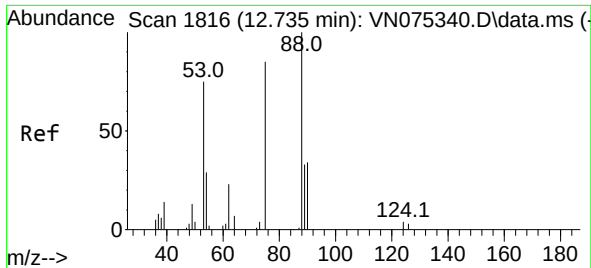
Tgt Ion:152 Resp: 77827
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.2 90.6
 150 159.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 21.508 ug/l
 RT: 12.847 min Scan# 1835
 Delta R.T. -0.147 min
 Lab File: VN075490.D
 Acq: 30 Nov 2022 09:30

Tgt Ion: 75 Resp: 31649
 Ion Ratio Lower Upper
 75 100
 77 0.6 75.6 226.8#

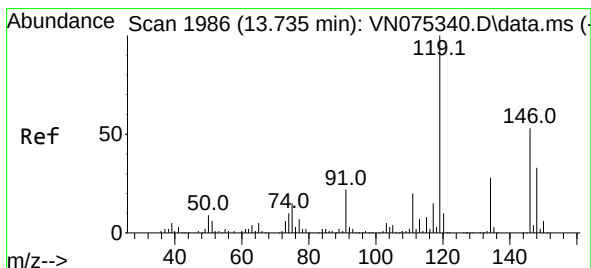
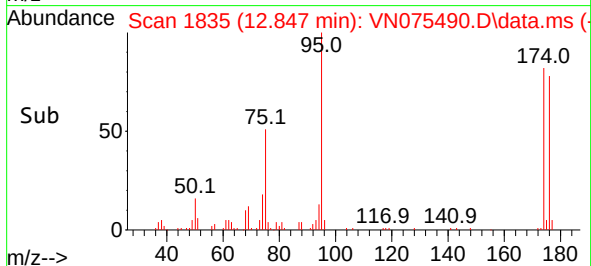
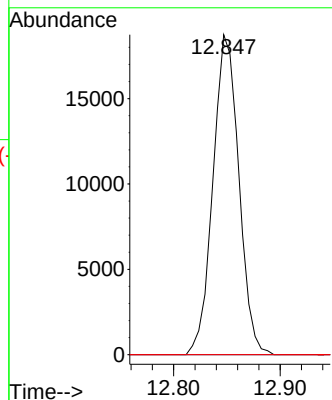
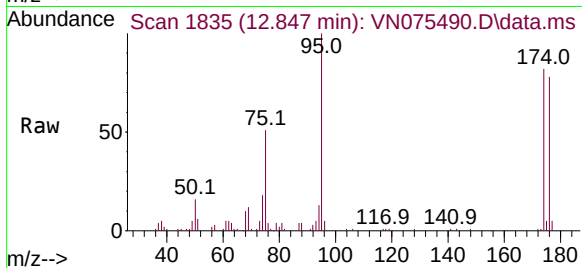




#81
trans-1,4-Dichloro-2-butene
Concen: 63.637 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

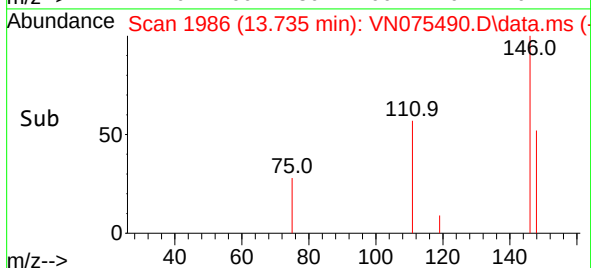
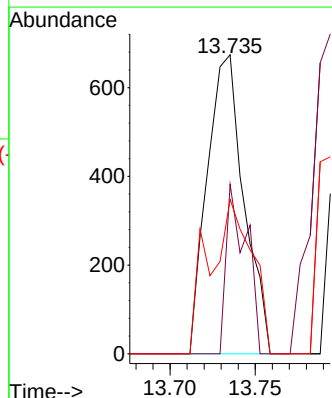
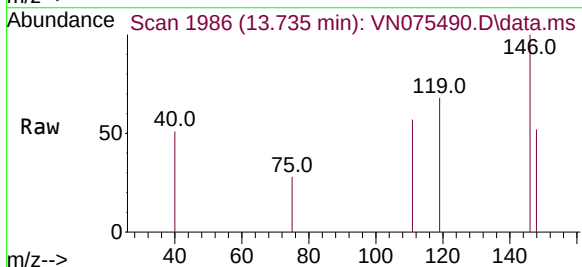
Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

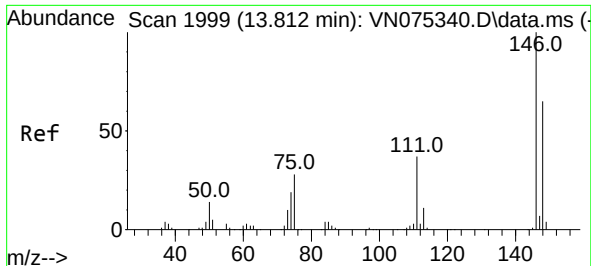
Tgt Ion: 75 Resp: 31649
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.380 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion: 146 Resp: 1011
Ion Ratio Lower Upper
146 100
111 31.5 20.8 62.5
148 60.3 31.1 93.5

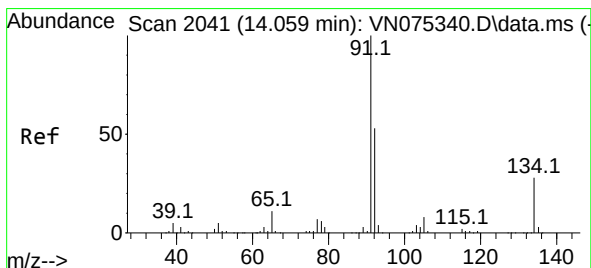
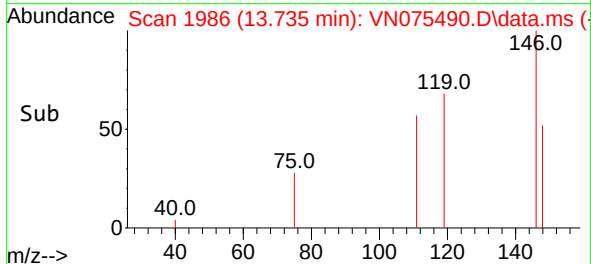
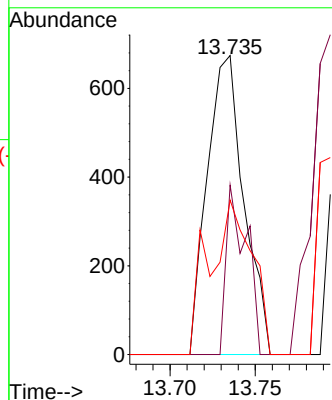
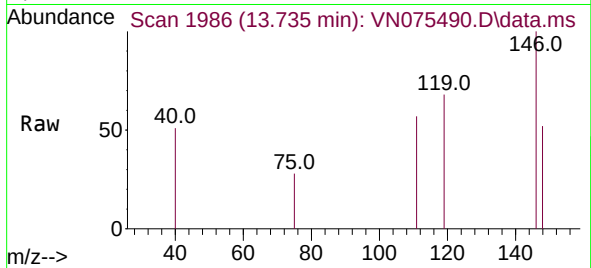




#88
 1,4-Dichlorobenzene
 Concen: 0.374 ug/l
 RT: 13.735 min Scan# 1999
 Delta R.T. -0.077 min
 Lab File: VN075490.D
 Acq: 30 Nov 2022 09:30

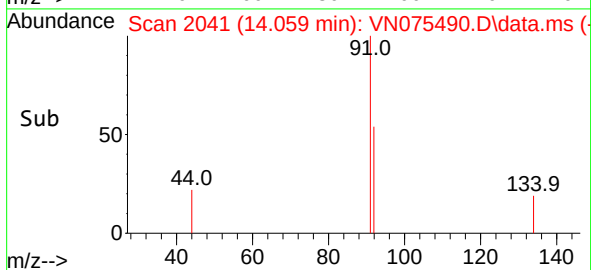
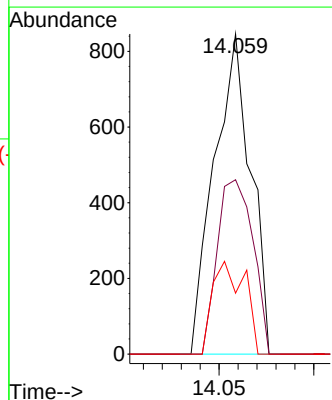
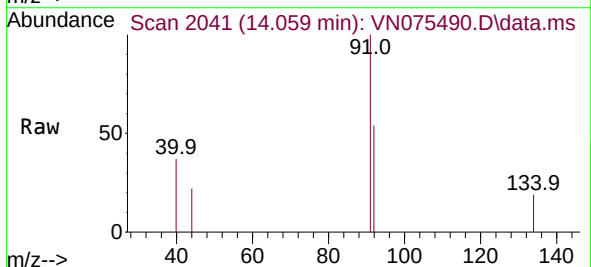
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130MBL01

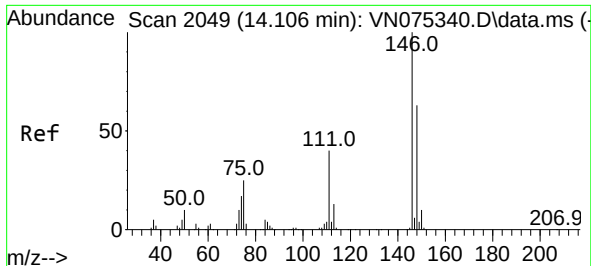
Tgt Ion:146 Resp: 1011
 Ion Ratio Lower Upper
 146 100
 111 31.5 20.1 60.3
 148 60.3 31.9 95.7



#89
 n-Butylbenzene
 Concen: 0.272 ug/l
 RT: 14.059 min Scan# 2041
 Delta R.T. -0.000 min
 Lab File: VN075490.D
 Acq: 30 Nov 2022 09:30

Tgt Ion: 91 Resp: 1128
 Ion Ratio Lower Upper
 91 100
 92 53.6 26.5 79.4
 134 25.6 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.465 ug/l

RT: 14.100 min Scan# 2049

Delta R.T. -0.006 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

Instrument :

MSVOA_N

ClientSampleId :

VN1130MBL01

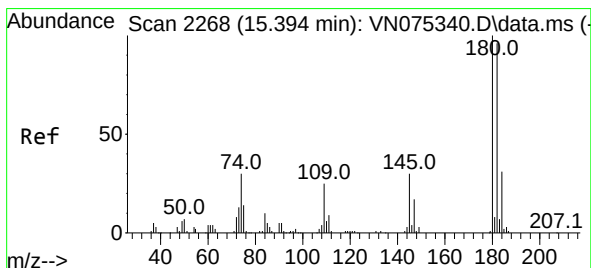
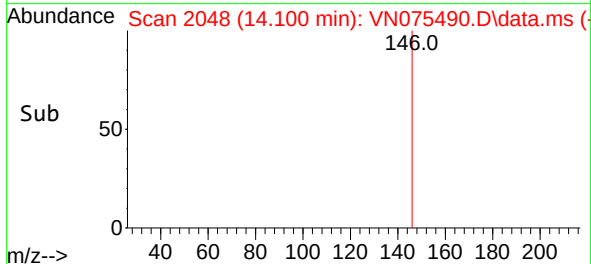
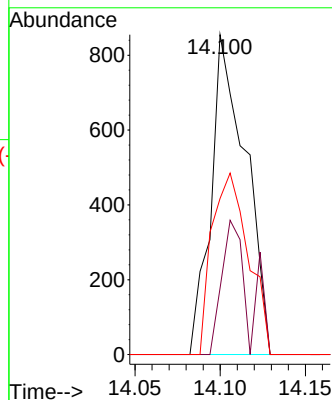
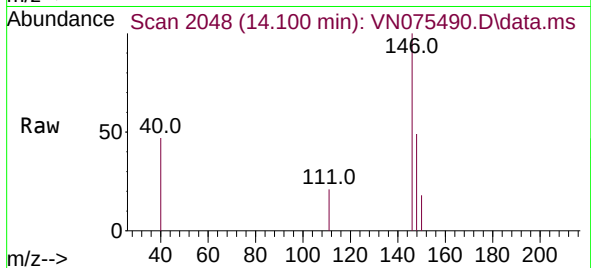
Tgt Ion:146 Resp: 1206

Ion Ratio Lower Upper

146 100

111 32.7 21.3 63.9

148 59.9 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 1.156 ug/l

RT: 15.388 min Scan# 2267

Delta R.T. -0.006 min

Lab File: VN075490.D

Acq: 30 Nov 2022 09:30

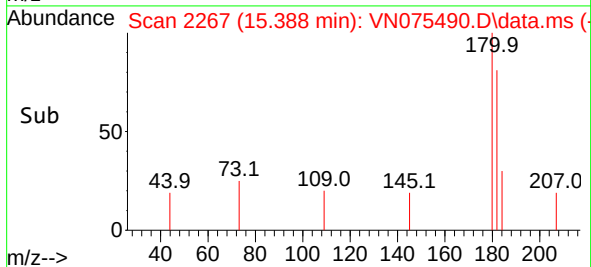
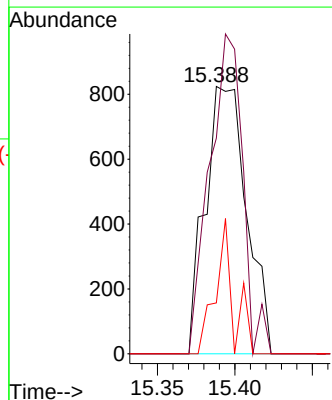
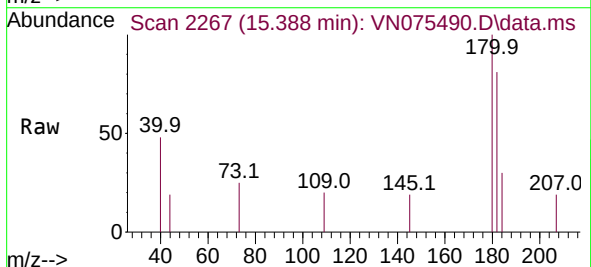
Tgt Ion:180 Resp: 1536

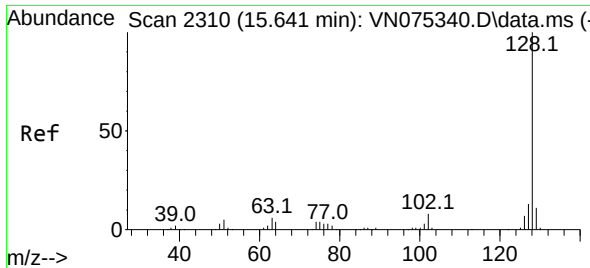
Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.4

145 21.7 16.8 50.3

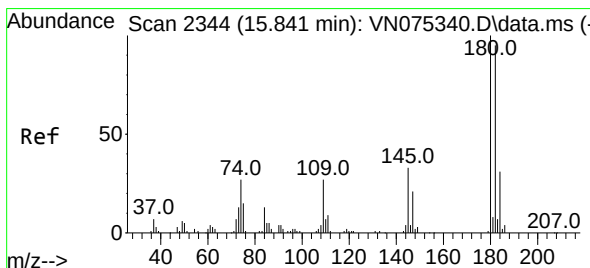
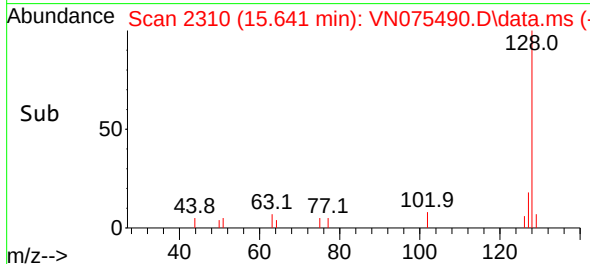
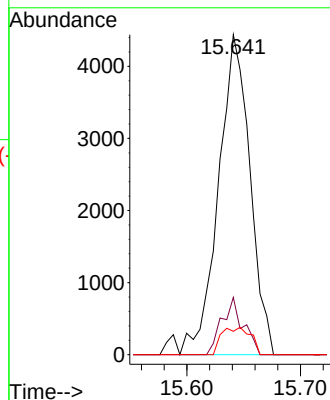
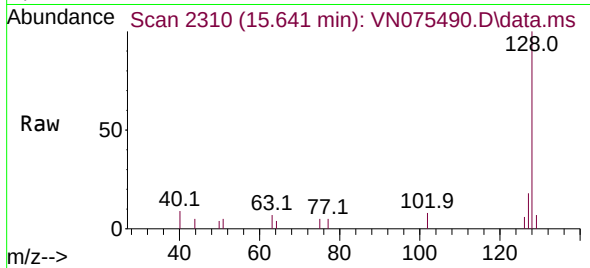




#95
Naphthalene
Concen: 2.045 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Instrument :
MSVOA_N
ClientSampleId :
VN1130MBL01

Tgt Ion:128 Resp: 8546
Ion Ratio Lower Upper
128 100
127 12.1 10.4 15.6
129 7.9 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.275 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075490.D
Acq: 30 Nov 2022 09:30

Tgt Ion:180 Resp: 1665
Ion Ratio Lower Upper
180 100
182 111.4 47.3 141.8
145 24.8 17.6 52.9

