

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112522\
 Data File : VN075414.D
 Acq On : 25 Nov 2022 12:11
 Operator : JC\MD
 Sample : VN1125WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

Quant Time: Nov 28 03:33:33 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)

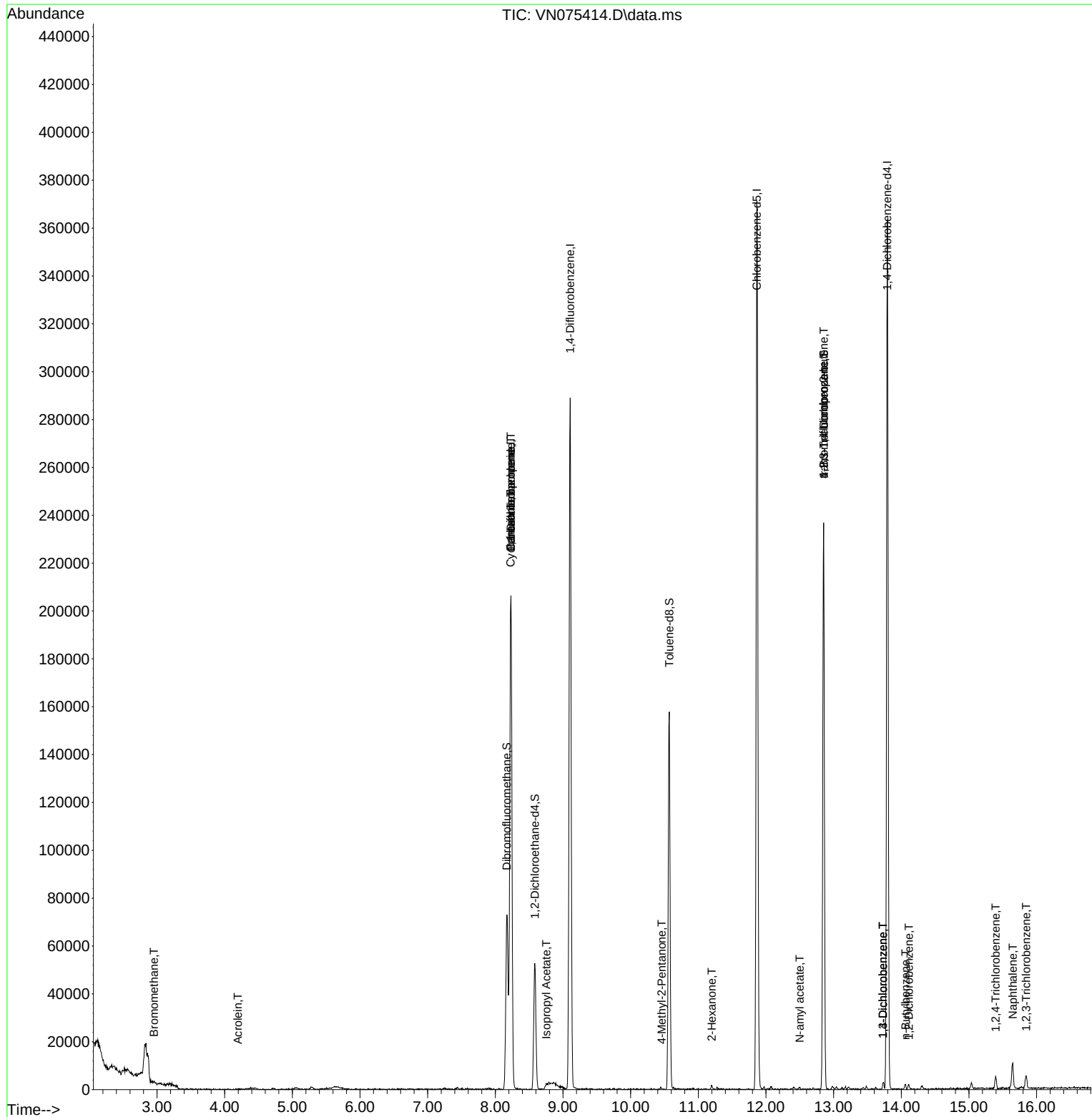
Internal Standards						
1) Pentafluorobenzene	8.230	168	166455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43967	49.207	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.420%
35) Dibromofluoromethane	8.171	113	54303	49.556	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	10.571	98	117360	47.552	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.100%
62) 4-Bromofluorobenzene	12.853	95	82084	45.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
					Qvalue	
5) Bromomethane	2.954	94	634	0.361	ug/l	93
13) Acrolein	4.195	56	123	0.376	ug/l #	15
18) Methyl Acetate	5.053	43	805	Below Cal	#	67
20) Methylene Chloride	5.300	84	811	Below Cal	#	57
31) Cyclohexane	8.224	56	3129	1.102	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	11245	4.706	ug/l #	49
38) Carbon Tetrachloride	8.230	117	16683	6.355	ug/l #	15
43) Isopropyl Acetate	8.753	43	1172	0.339	ug/l #	53
51) 4-Methyl-2-Pentanone	10.459	43	638	0.290	ug/l #	83
59) 2-Hexanone	11.200	43	1229	0.744	ug/l	88
74) N-amyl acetate	12.500	43	579	0.248	ug/l #	68
76) 1,2,3-Trichloropropane	12.853	75	41140	20.925	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	41140	61.913	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	1146	0.322	ug/l	75
88) 1,4-Dichlorobenzene	13.729	146	1146	0.317	ug/l	75
89) n-Butylbenzene	14.065	91	1500	0.270	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	1334	0.385	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	2182	1.229	ug/l	95
95) Naphthalene	15.647	128	11883	2.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	2603	1.492	ug/l	95

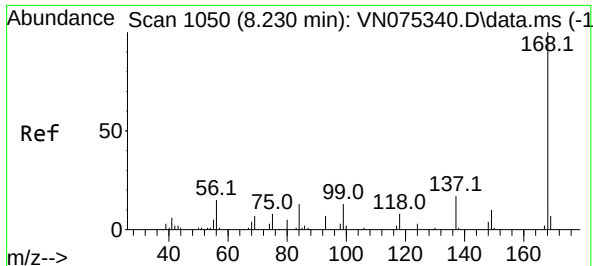
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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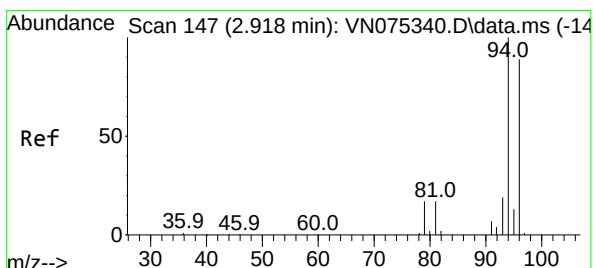
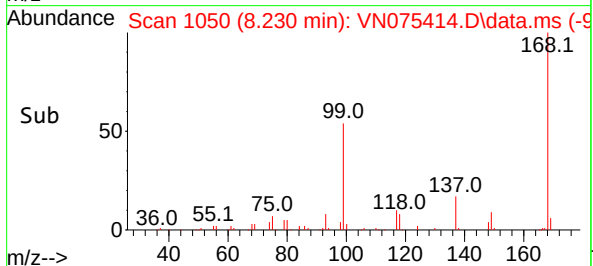
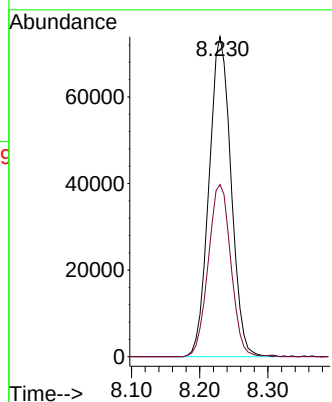
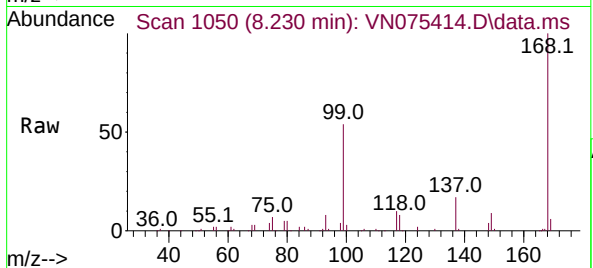




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

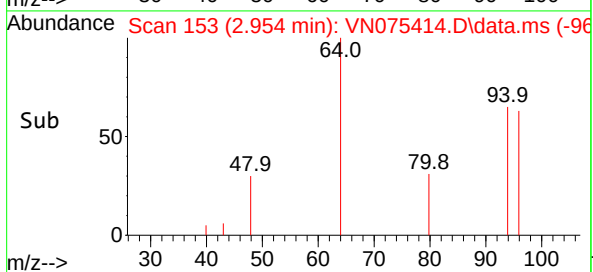
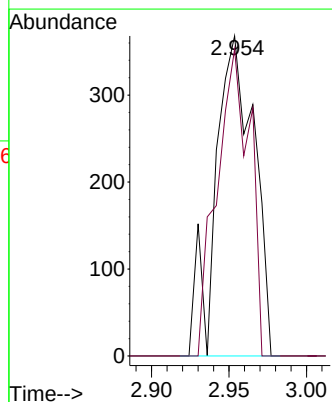
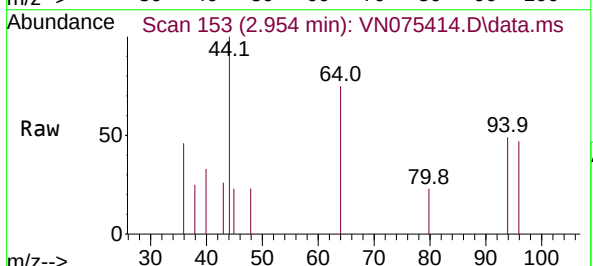
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

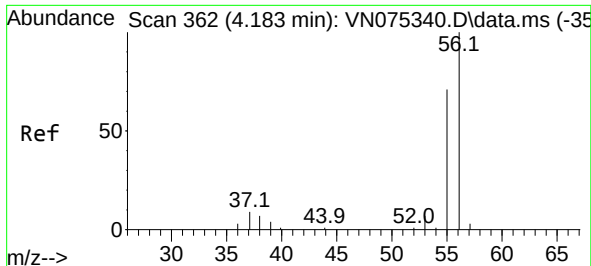
Tgt Ion:168 Resp: 166455
Ion Ratio Lower Upper
168 100
99 53.8 51.6 77.4



#5
Bromomethane
Concen: 0.361 ug/l
RT: 2.954 min Scan# 153
Delta R.T. 0.036 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 94 Resp: 634
Ion Ratio Lower Upper
94 100
96 95.9 71.8 107.6





#13

Acrolein

Concen: 0.376 ug/l

RT: 4.195 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

Instrument :

MSVOA_N

ClientSampleId :

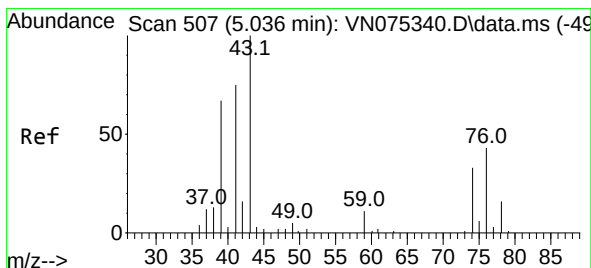
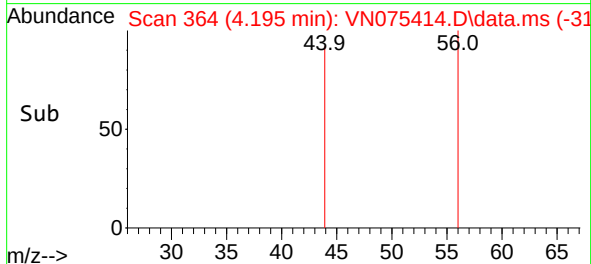
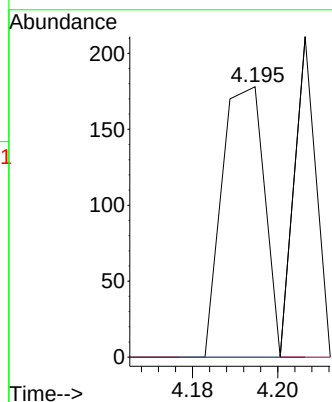
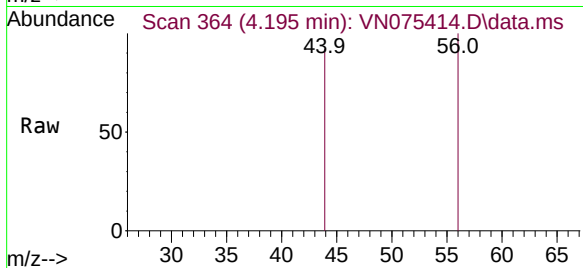
VN1125WBL01

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 0.0 55.2 82.8#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.053 min Scan# 510

Delta R.T. 0.017 min

Lab File: VN075414.D

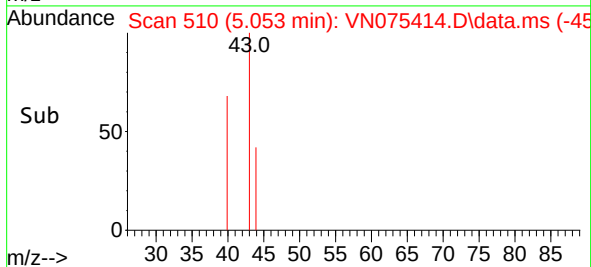
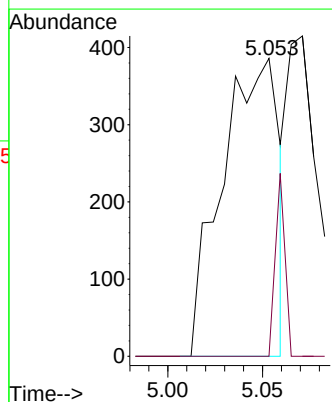
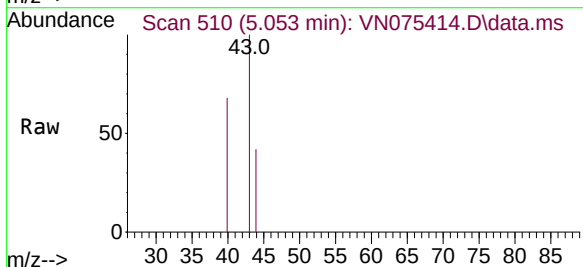
Acq: 25 Nov 2022 12:11

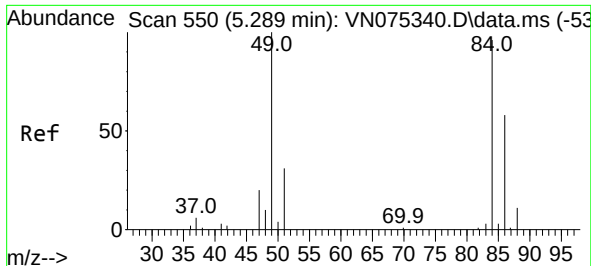
Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

74 10.4 22.0 33.0#

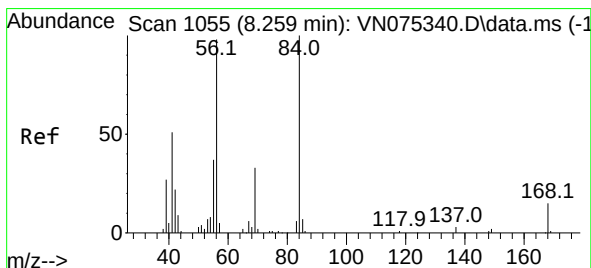
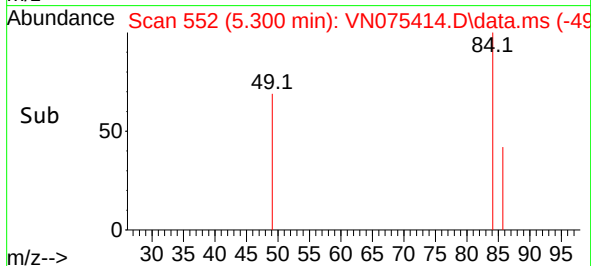
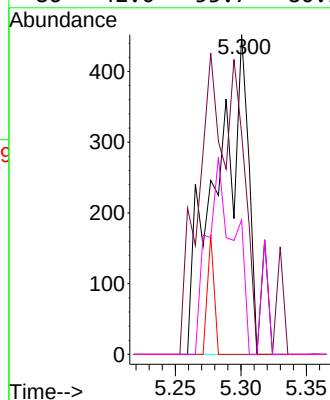
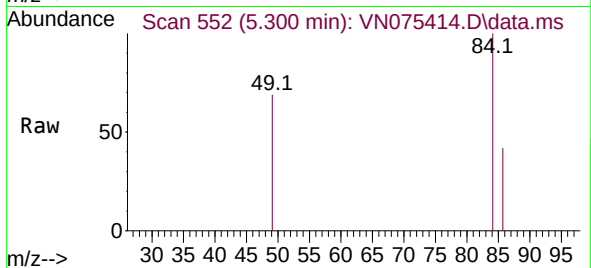




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

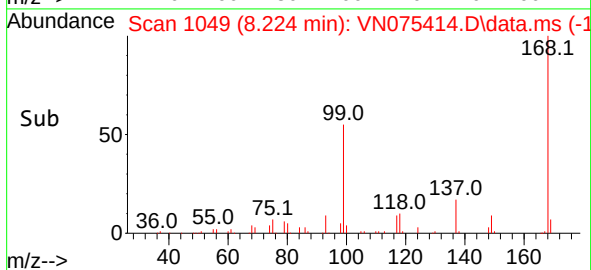
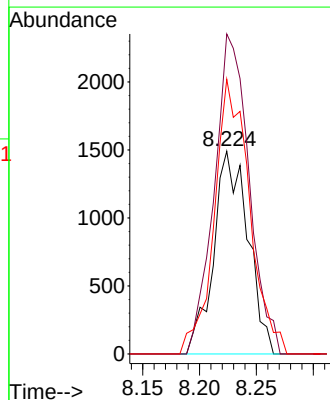
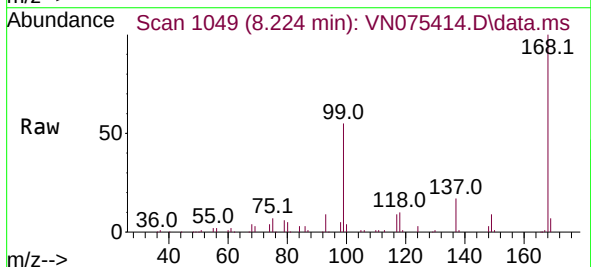
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

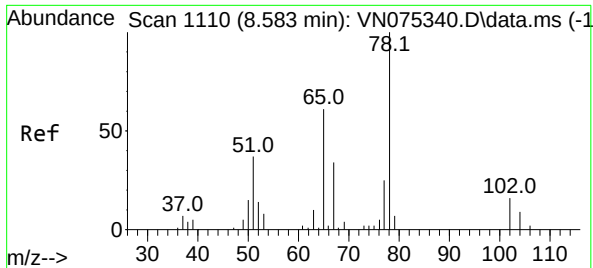
Tgt Ion:	84	Resp:	811
Ion	Ratio	Lower	Upper
84	100		
49	69.0	94.9	142.3#
51	0.0	26.8	40.2#
86	42.0	53.7	80.5#



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion:	56	Resp:	3129
Ion	Ratio	Lower	Upper
56	100		
69	157.9	25.2	37.8#
84	135.6	77.8	116.8#





#33

1,2-Dichloroethane-d4

Concen: 49.207 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

Instrument :

MSVOA_N

ClientSampleId :

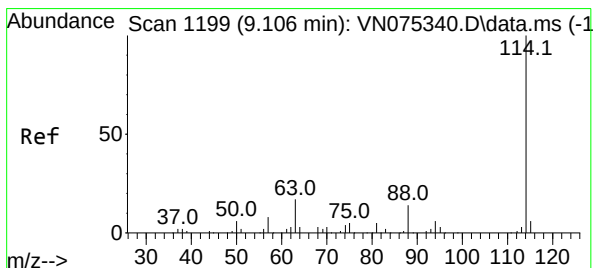
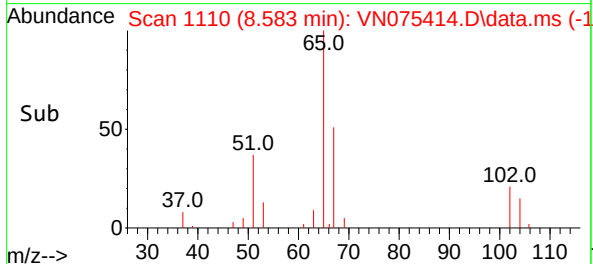
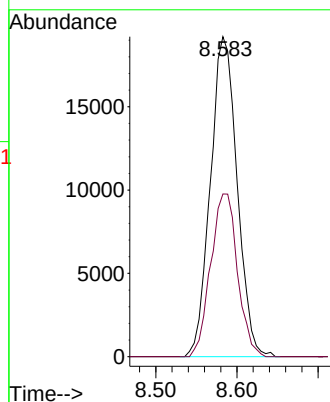
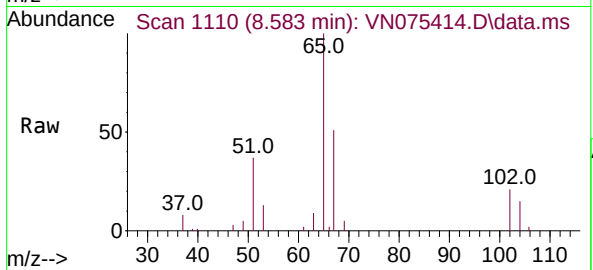
VN1125WBL01

Tgt Ion: 65 Resp: 43967

Ion Ratio Lower Upper

65 100

67 50.9 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: VN075414.D

Acq: 25 Nov 2022 12:11

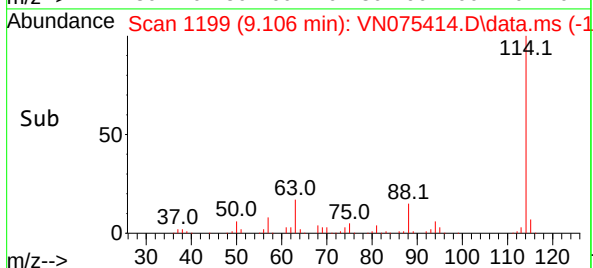
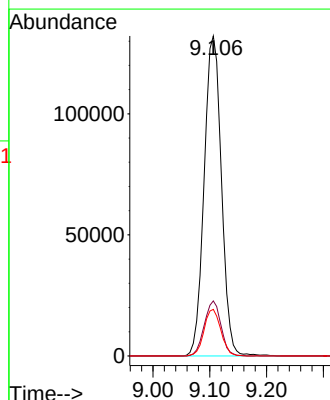
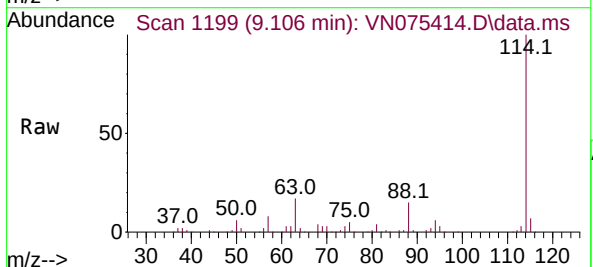
Tgt Ion: 114 Resp: 278948

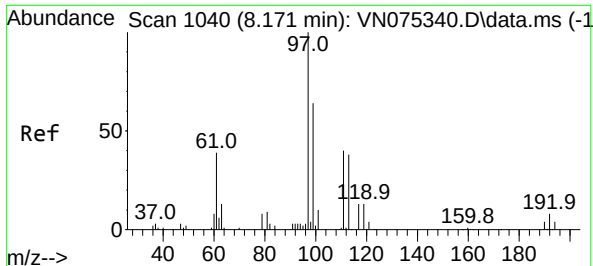
Ion Ratio Lower Upper

114 100

63 17.2 0.0 39.6

88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.556 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBL01

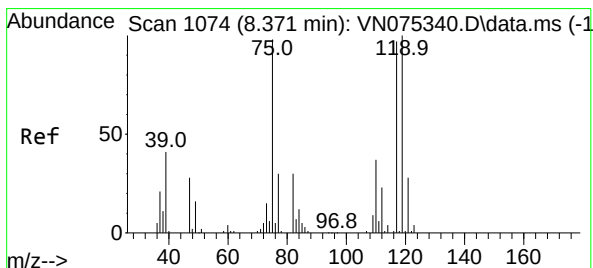
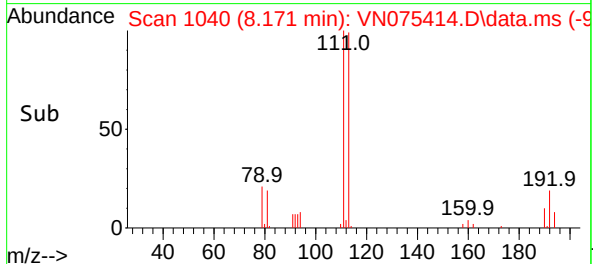
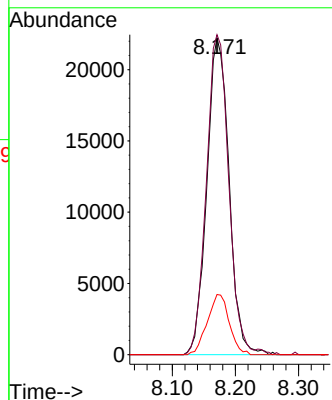
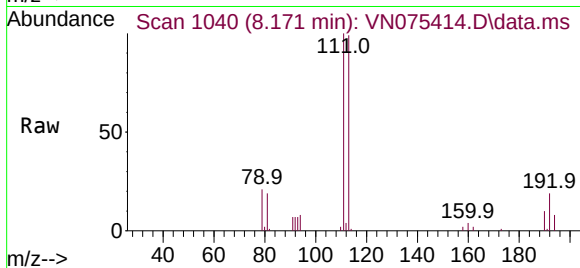
Tgt Ion:113 Resp: 54303

Ion Ratio Lower Upper

113 100

111 101.9 80.5 120.7

192 18.7 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

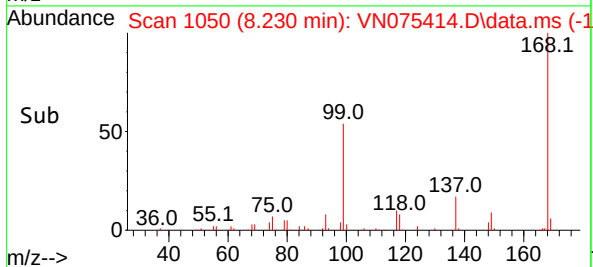
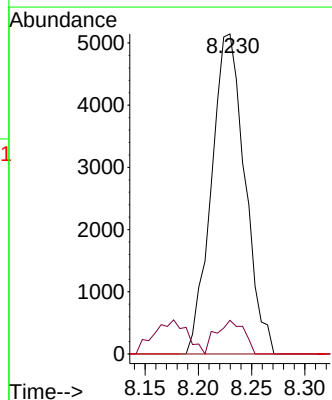
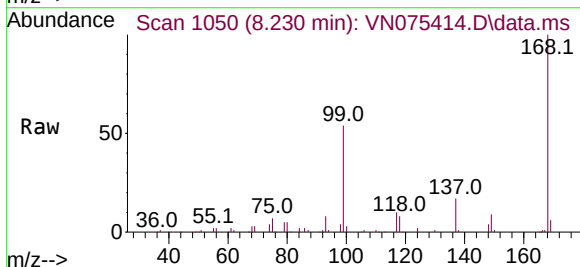
Tgt Ion: 75 Resp: 11245

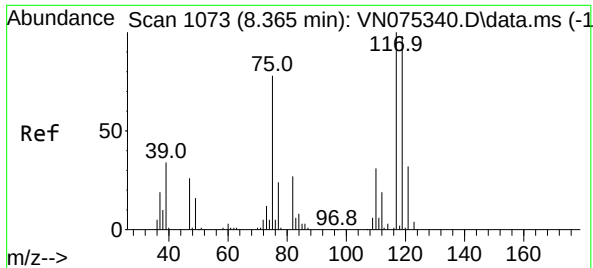
Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.3#

77 0.0 24.6 37.0#

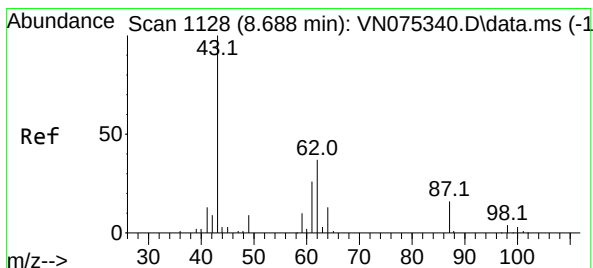
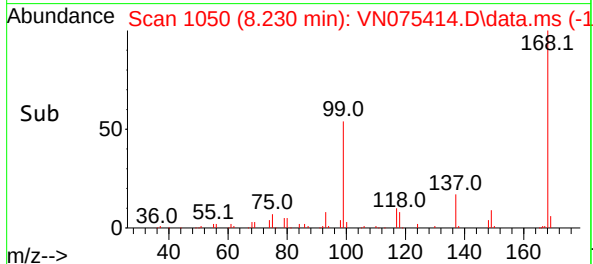
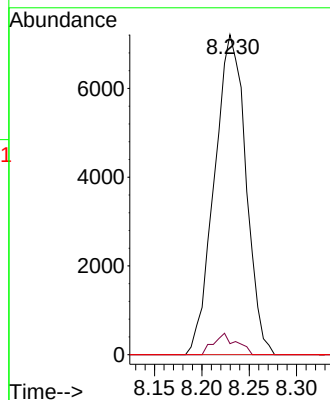
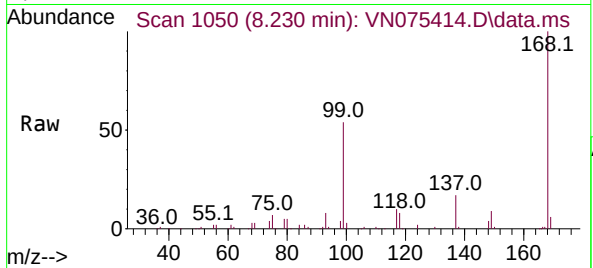




#38
Carbon Tetrachloride
Concen: 6.355 ug/l
RT: 8.230 min Scan# 1119
Delta R.T. -0.135 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

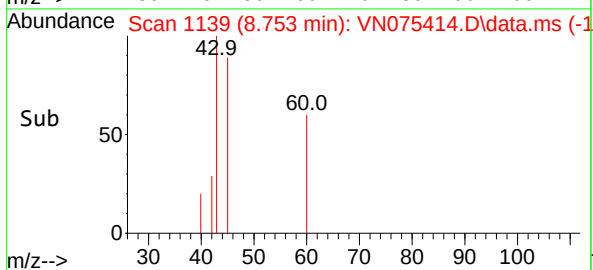
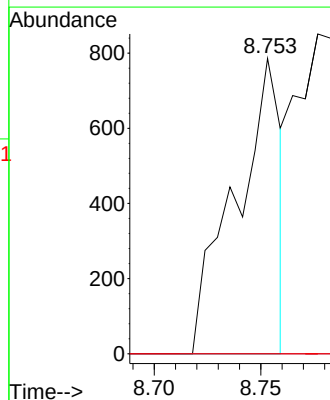
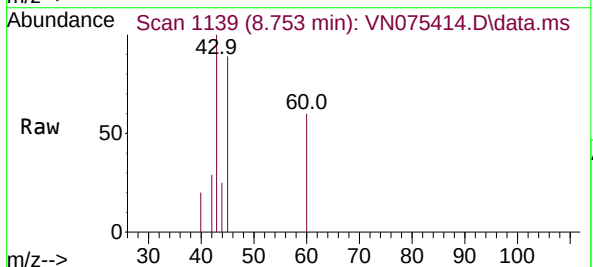
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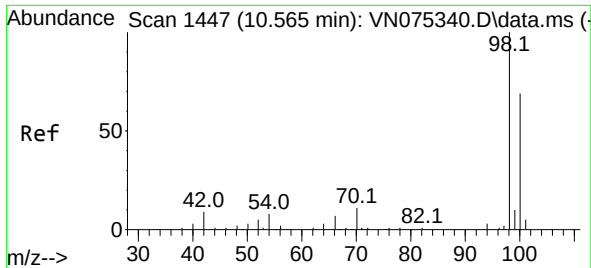
Tgt Ion:117 Resp: 16683
Ion Ratio Lower Upper
117 100
119 3.5 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.339 ug/l
RT: 8.753 min Scan# 1139
Delta R.T. 0.065 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

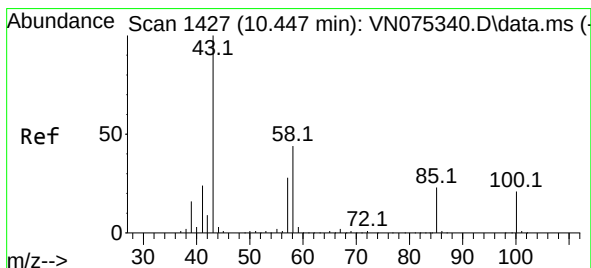
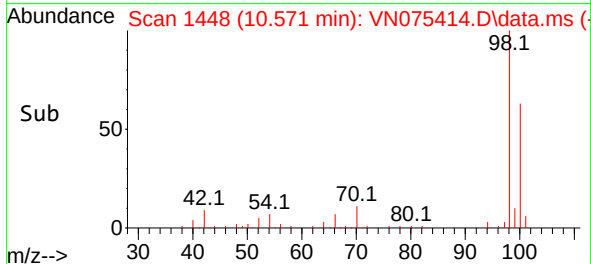
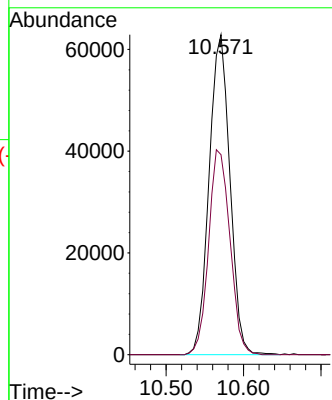
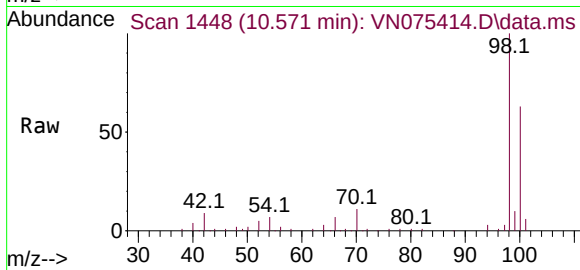




#50
Toluene-d8
Concen: 47.552 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

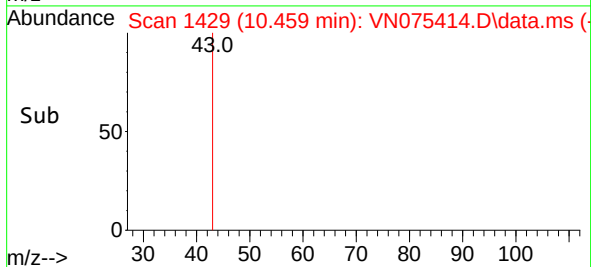
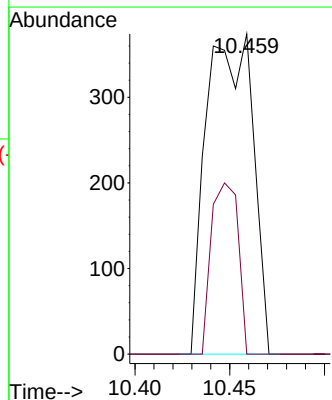
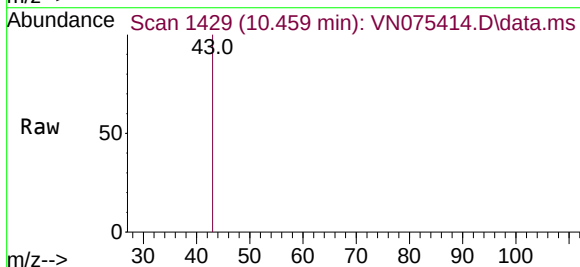
Instrument :
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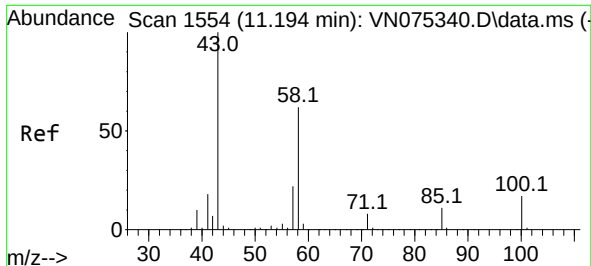
Tgt Ion: 98 Resp: 117360
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 43 Resp: 638
Ion Ratio Lower Upper
43 100
58 31.0 33.6 50.4#

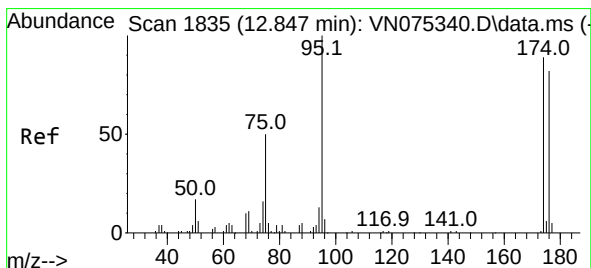
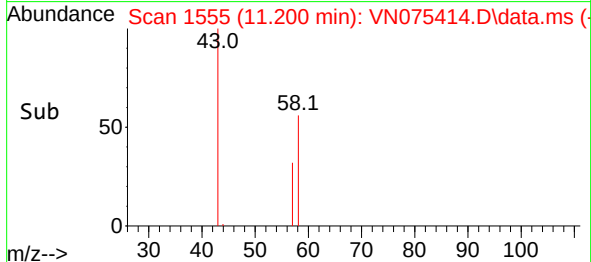
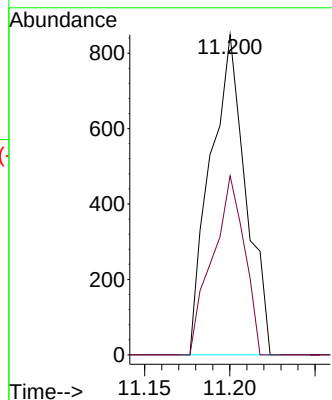
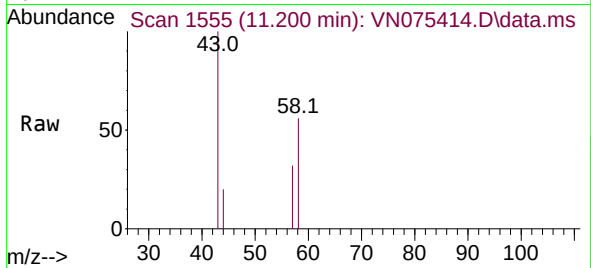




#59
2-Hexanone
Concen: 0.744 ug/l
RT: 11.200 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

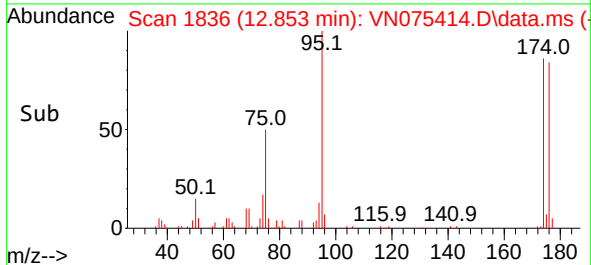
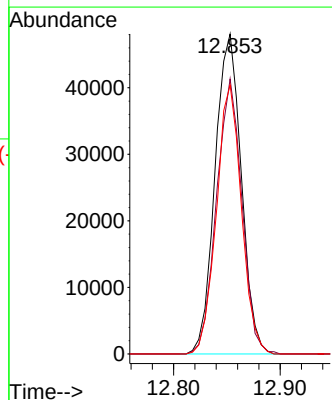
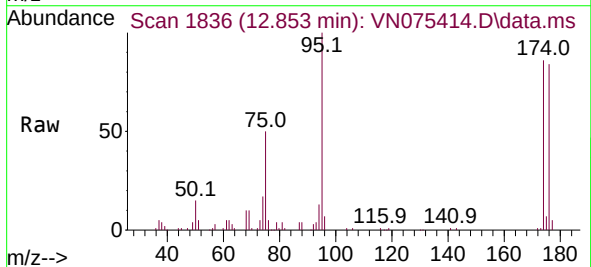
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

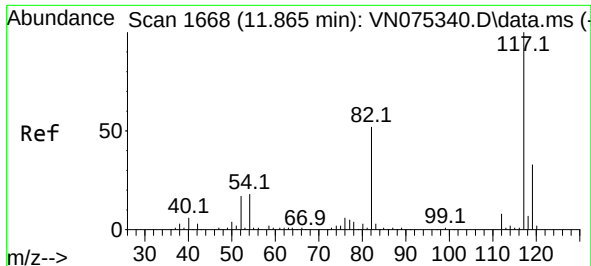
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
58 50.3 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 45.059 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 95 Resp: 82084
Ion Ratio Lower Upper
95 100
174 83.3 0.0 147.4
176 80.2 0.0 142.2

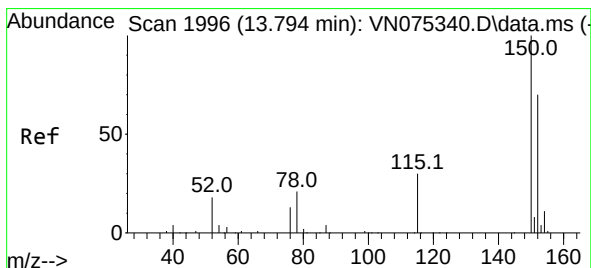
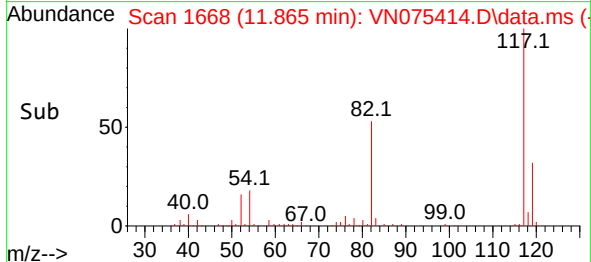
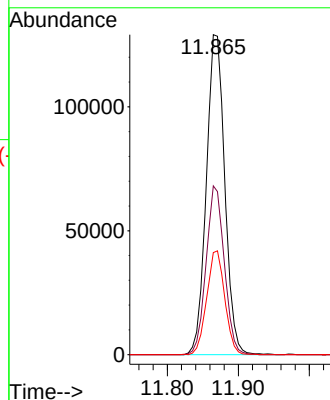
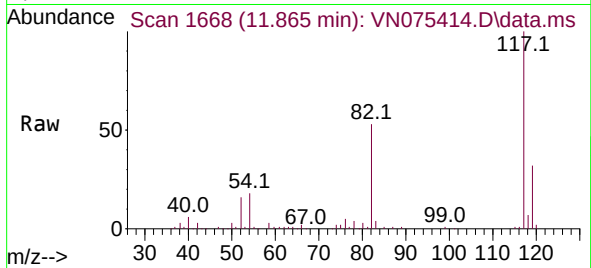




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

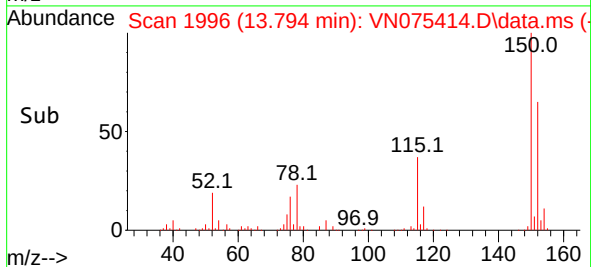
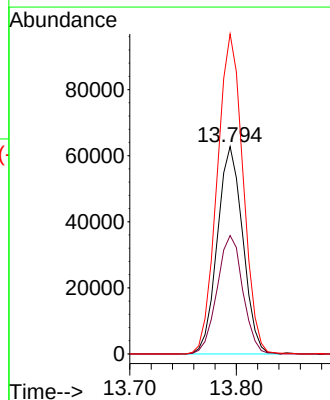
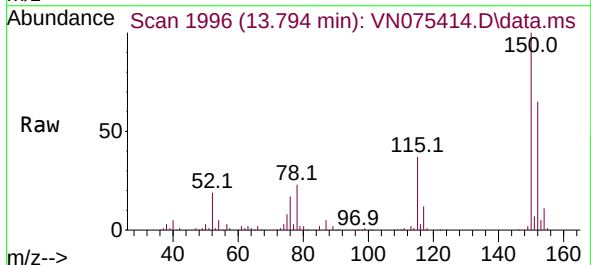
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

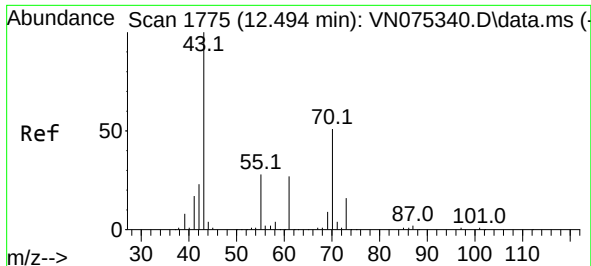
Tgt Ion:117 Resp: 233399
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion:152 Resp: 103983
Ion Ratio Lower Upper
152 100
115 57.7 30.2 90.6
150 157.2 0.0 348.4

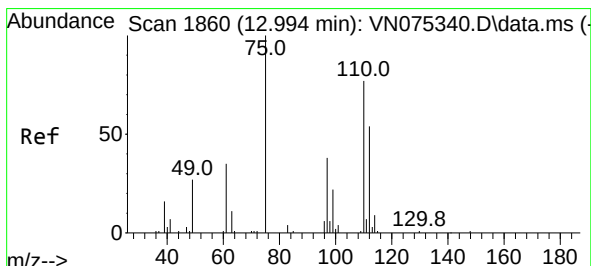
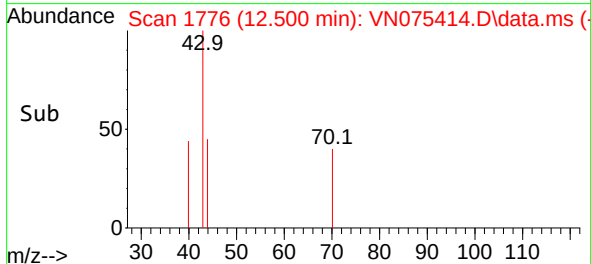
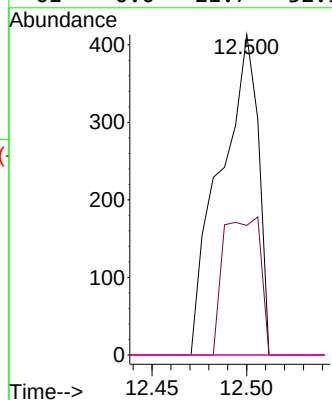
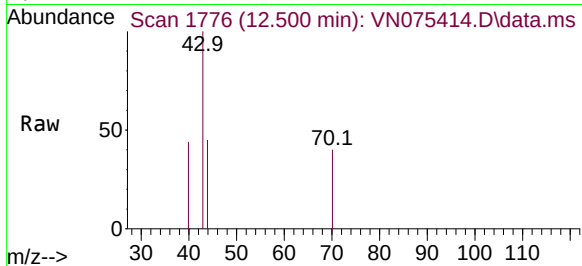




#74
N-amy1 acetate
Concen: 0.248 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

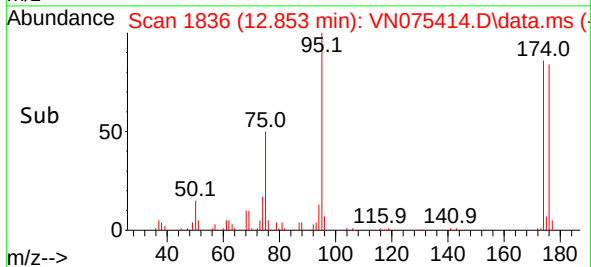
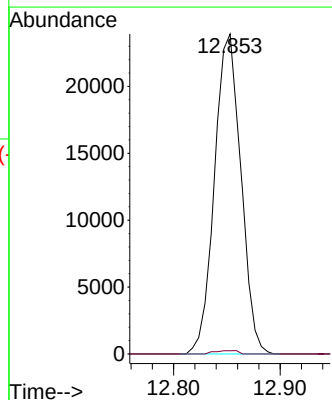
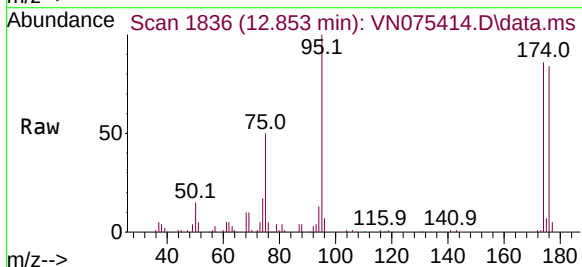
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

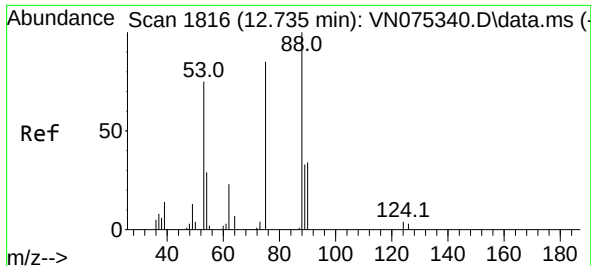
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
70 41.6 39.8 59.8
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 20.925 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 75 Resp: 41140
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#

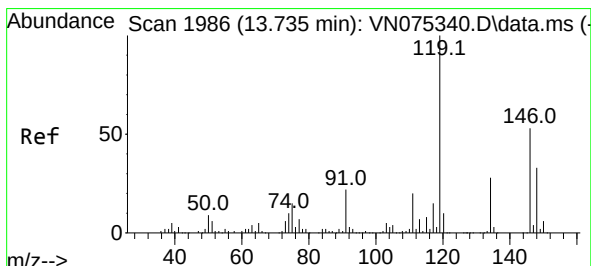
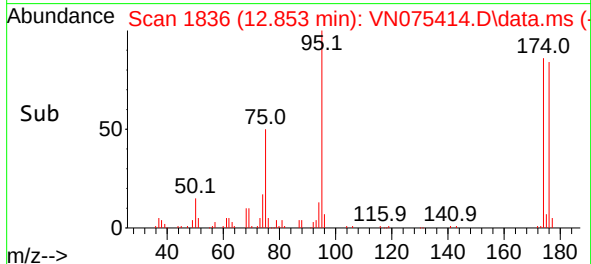
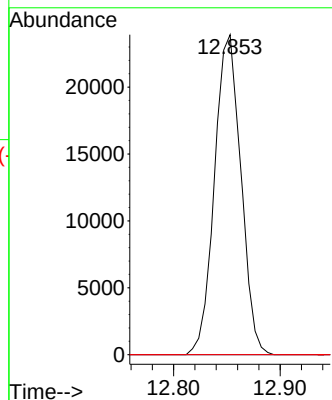
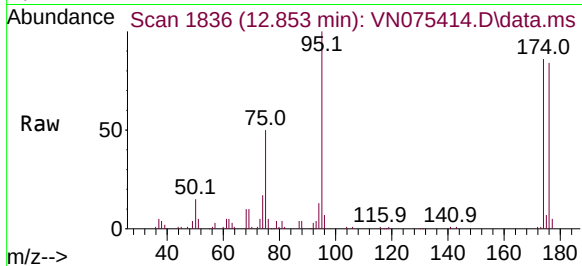




#81
trans-1,4-Dichloro-2-butene
Concen: 61.913 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

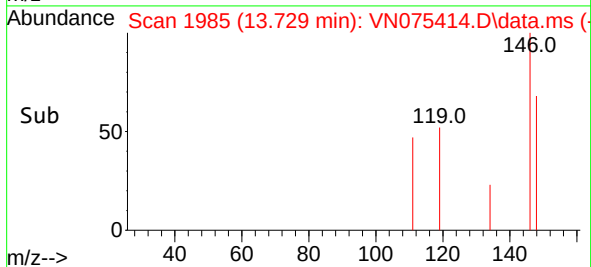
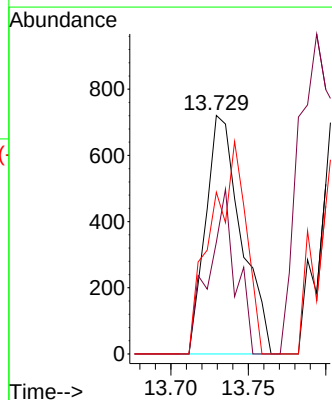
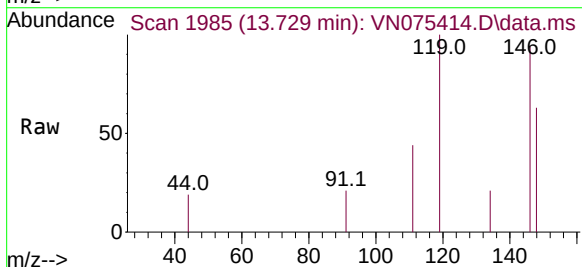
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

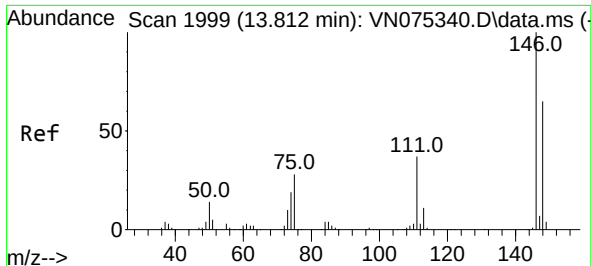
Tgt Ion: 75 Resp: 41140
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#87
1,3-Dichlorobenzene
Concen: 0.322 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. -0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion:146 Resp: 1146
Ion Ratio Lower Upper
146 100
111 52.4 20.8 62.5
148 86.1 31.1 93.5

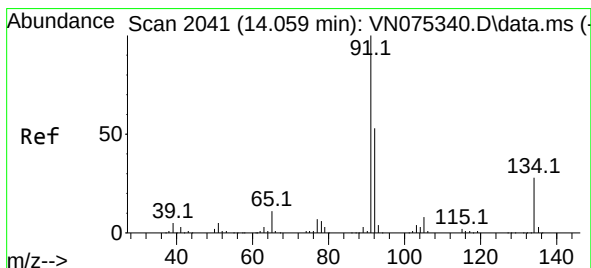
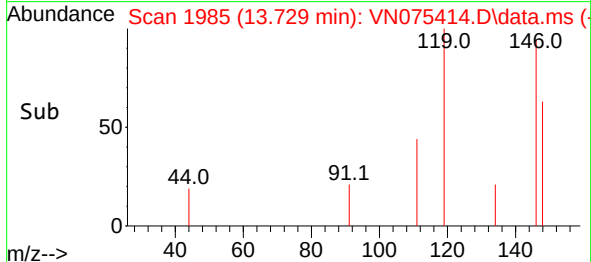
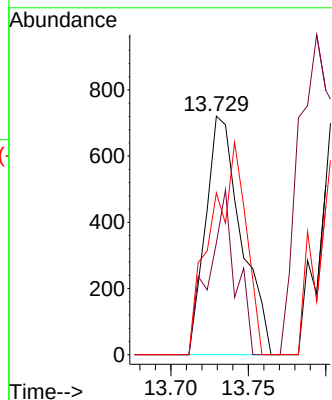
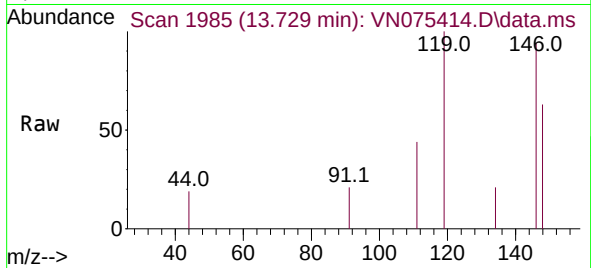




#88
1,4-Dichlorobenzene
Concen: 0.317 ug/l
RT: 13.729 min Scan# 1999
Delta R.T. -0.083 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

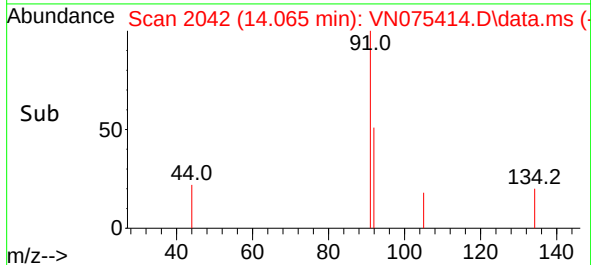
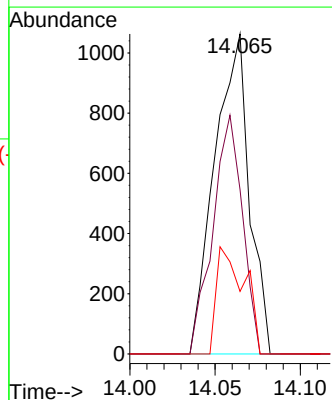
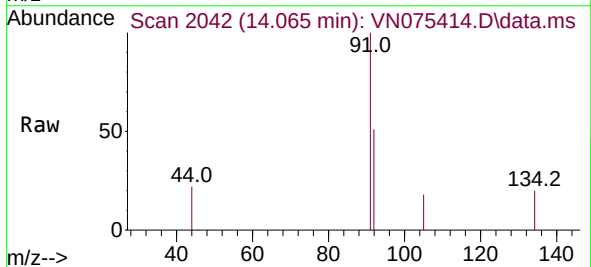
Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

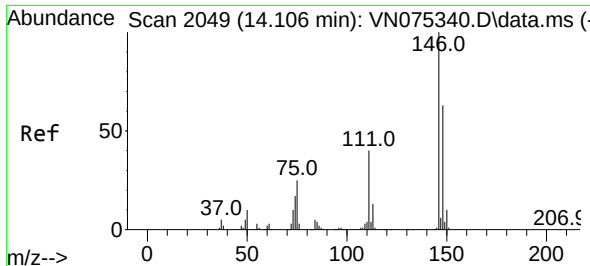
Tgt Ion:146 Resp: 1146
Ion Ratio Lower Upper
146 100
111 52.4 20.1 60.3
148 86.1 31.9 95.7



#89
n-Butylbenzene
Concen: 0.270 ug/l
RT: 14.065 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion: 91 Resp: 1500
Ion Ratio Lower Upper
91 100
92 63.8 26.5 79.4
134 27.0 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.385 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBL01

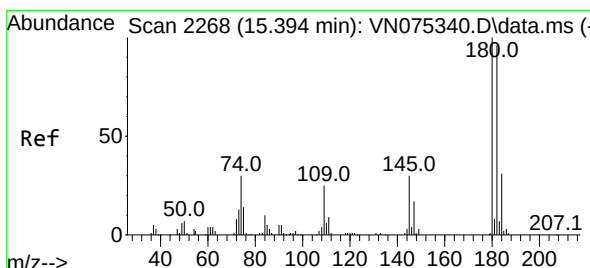
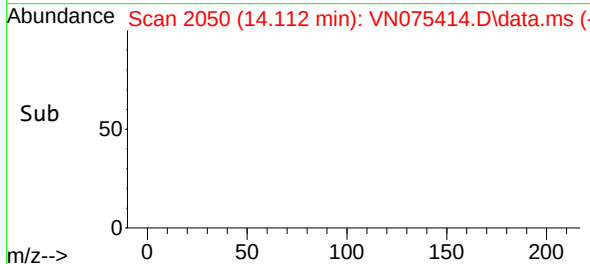
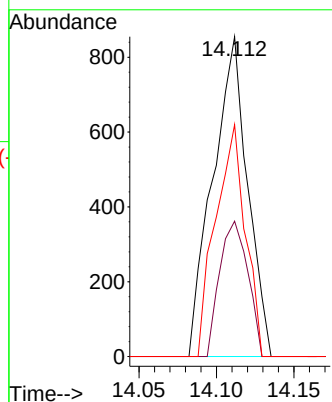
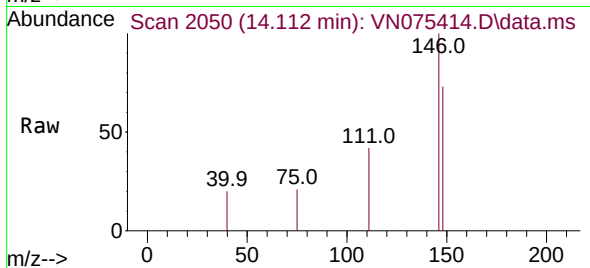
Tgt Ion:146 Resp: 1334

Ion Ratio Lower Upper

146 100

111 34.3 21.3 63.9

148 61.8 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 1.229 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN075414.D

Acq: 25 Nov 2022 12:11

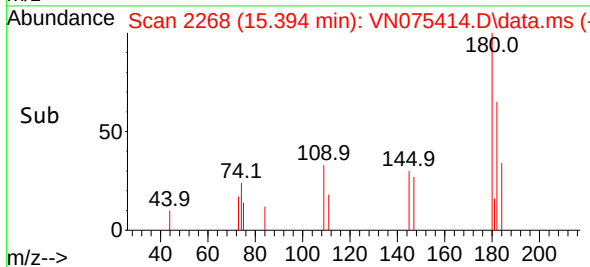
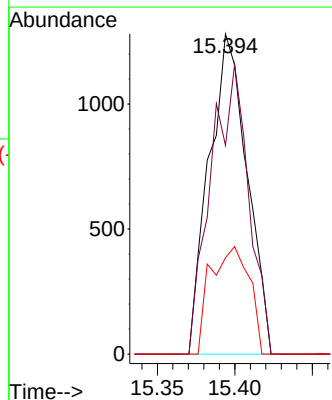
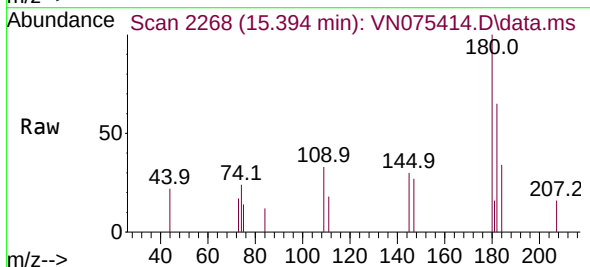
Tgt Ion:180 Resp: 2182

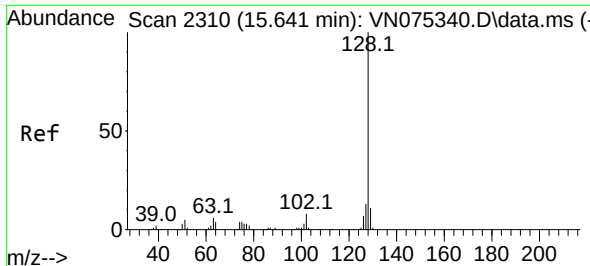
Ion Ratio Lower Upper

180 100

182 89.6 47.8 143.4

145 34.3 16.8 50.3

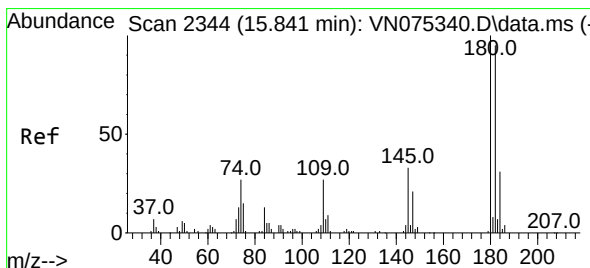
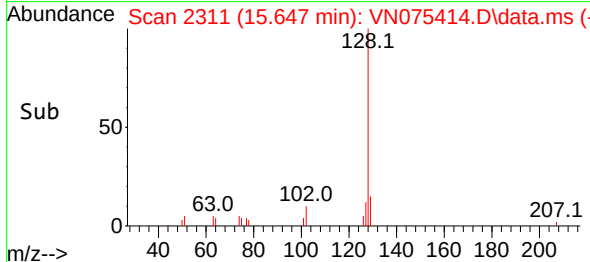
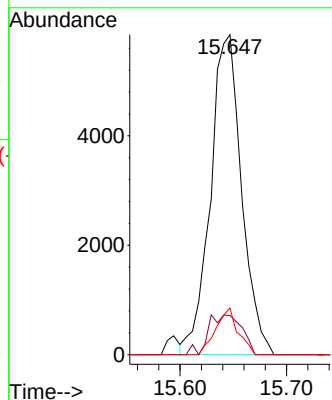
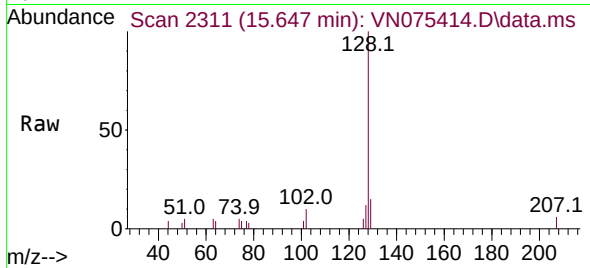




#95
Naphthalene
Concen: 2.128 ug/l
RT: 15.647 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion:128 Resp: 11883
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.492 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN075414.D
Acq: 25 Nov 2022 12:11

Tgt Ion:180 Resp: 2603
Ion Ratio Lower Upper
180 100
182 92.5 47.3 141.8
145 27.6 17.6 52.9

