

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075930.D
 Acq On : 21 Dec 2022 19:28
 Operator : JC\MD
 Sample : N6161-07
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CLI-0116

Quant Time: Dec 22 03:06:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

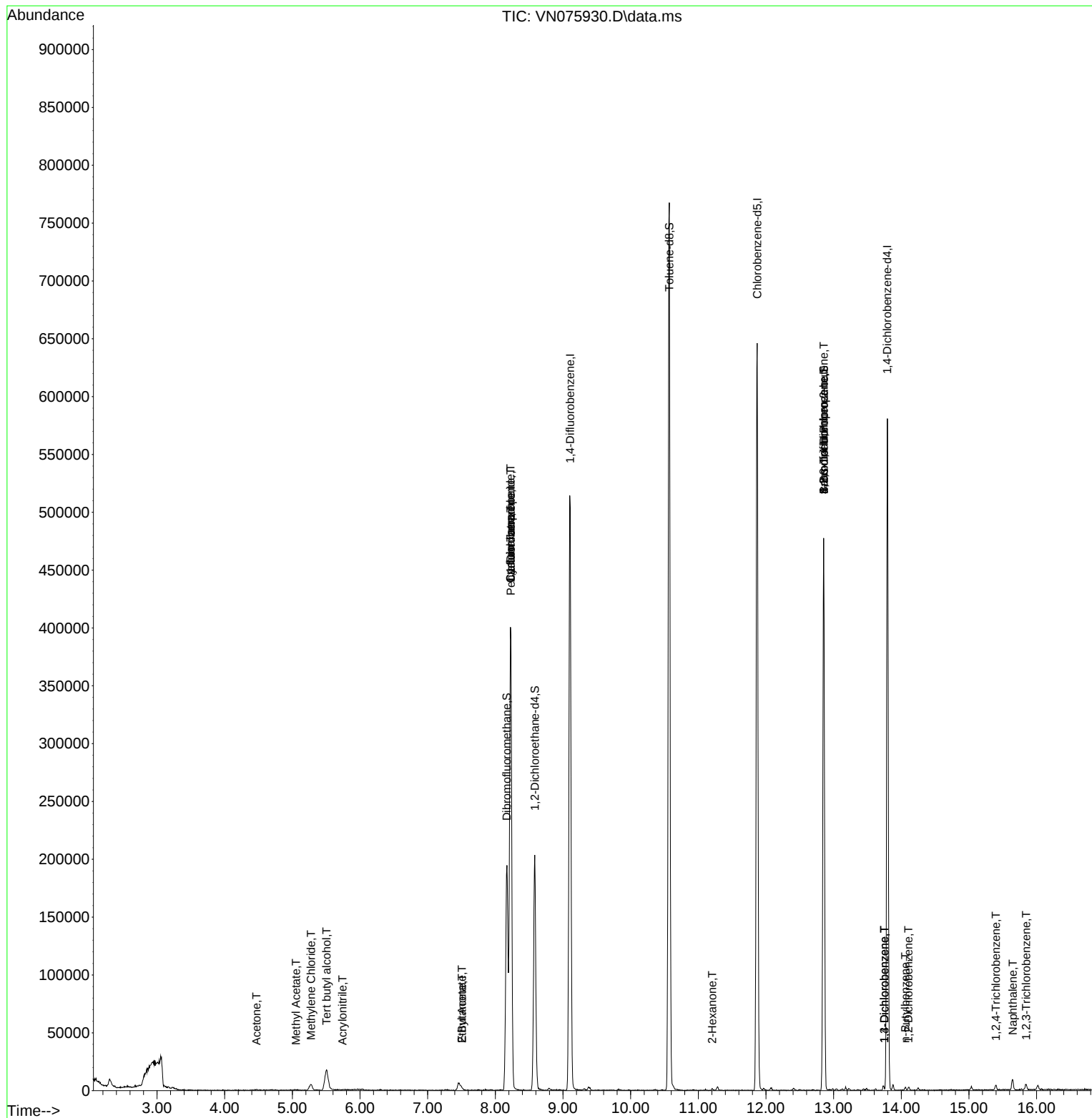
Internal Standards						
1) Pentafluorobenzene	8.229	168	319724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	490001	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	399280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	157986	45.420	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.840%		
35) Dibromofluoromethane	8.171	113	139923	46.111	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.220%		
50) Toluene-d8	10.570	98	553849	48.816	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.640%		
62) 4-Bromofluorobenzene	12.853	95	158371	42.145	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.506	59	16888	34.313	ug/l #	72
15) Acrylonitrile	5.741	53	269	0.200	ug/l #	33
16) Acetone	4.471	43	714	0.595	ug/l #	39
18) Methyl Acetate	5.053	43	931	0.263	ug/l #	57
20) Methylene Chloride	5.277	84	4716	0.841	ug/l #	90
25) 2-Butanone	7.506	43	980	0.584	ug/l #	40
31) Cyclohexane	8.224	56	6073	1.219	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	23220	5.760	ug/l #	48
37) Ethyl Acetate	7.506	43	980	0.303	ug/l #	73
38) Carbon Tetrachloride	8.224	117	30785	6.823	ug/l #	16
59) 2-Hexanone	11.206	43	937	0.398	ug/l	90
71) Bromoform	12.853	173	1364	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	81618	24.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	81618	89.675	ug/l #	12
87) 1,3-Dichlorobenzene	13.747	146	1298	0.236	ug/l	84
88) 1,4-Dichlorobenzene	13.747	146	1298	0.231	ug/l	86
89) n-Butylbenzene	14.059	91	1802	0.223	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	1362	0.252	ug/l	88
93) 1,2,4-Trichlorobenzene	15.400	180	2023	0.756	ug/l	95
95) Naphthalene	15.647	128	9175	3.170	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	2372	0.948	ug/l	91

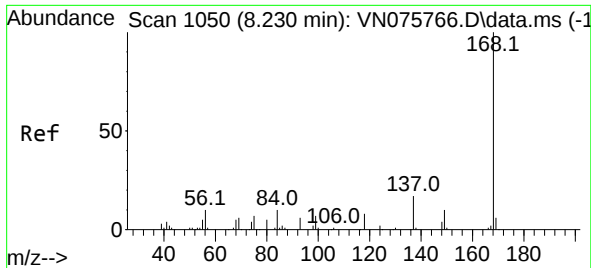
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

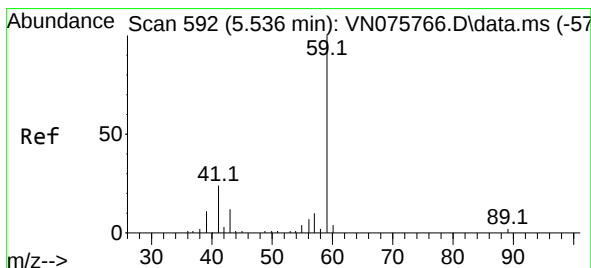
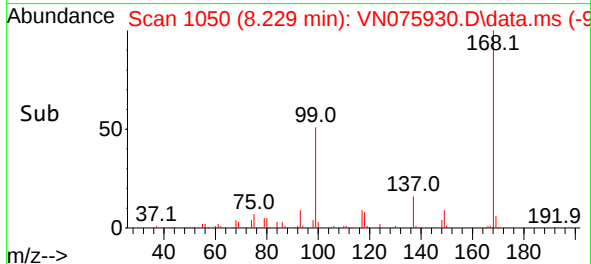
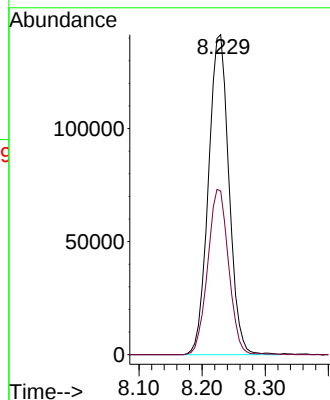
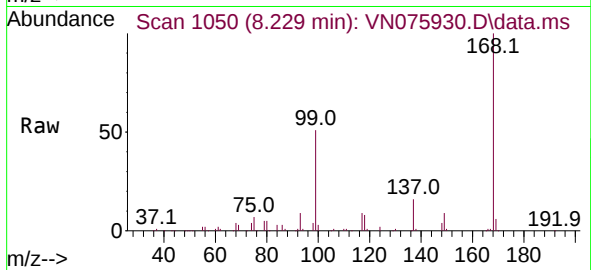




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

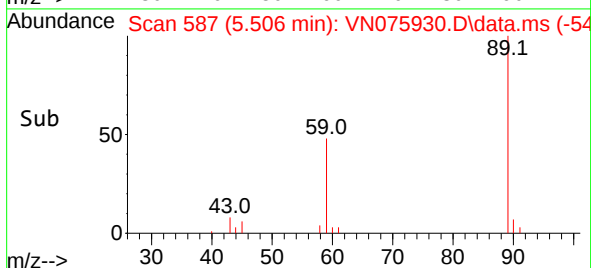
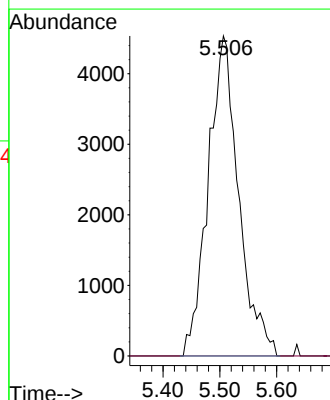
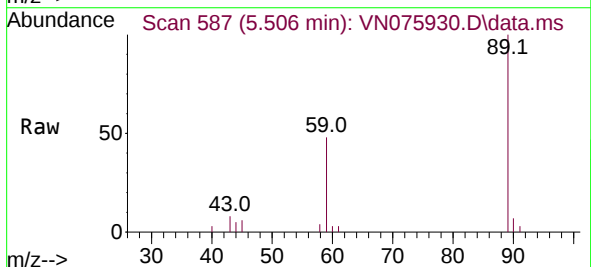
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

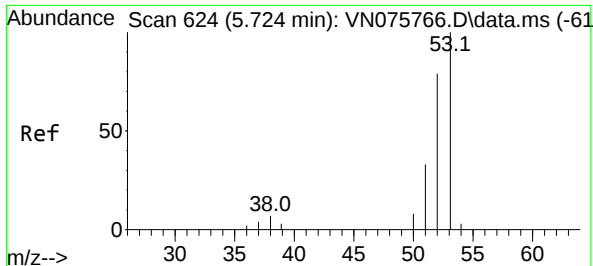
Tgt Ion:168 Resp: 319724
Ion Ratio Lower Upper
168 100
99 51.2 44.2 66.4



#11
Tert butyl alcohol
Concen: 34.313 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.030 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 59 Resp: 16888
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

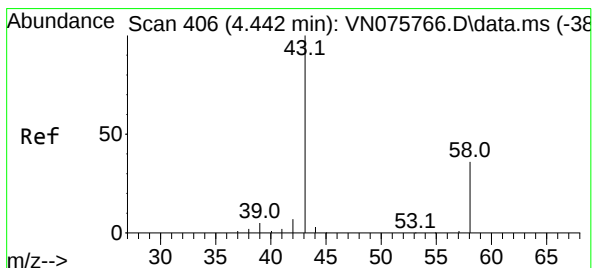
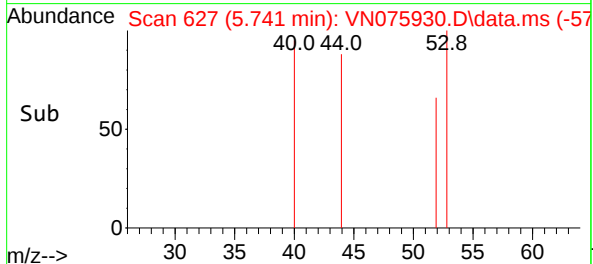
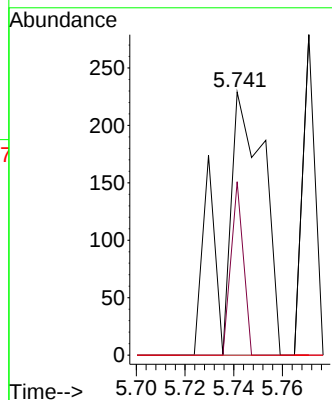
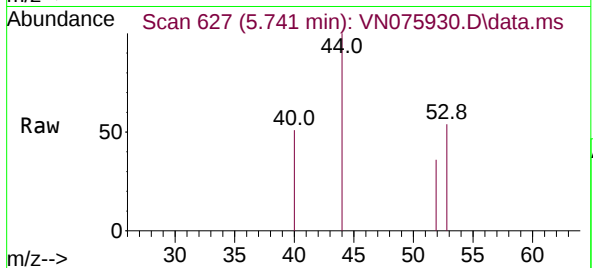




#15
Acrylonitrile
Concen: 0.200 ug/l
RT: 5.741 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

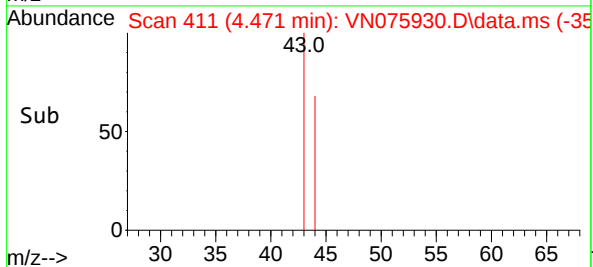
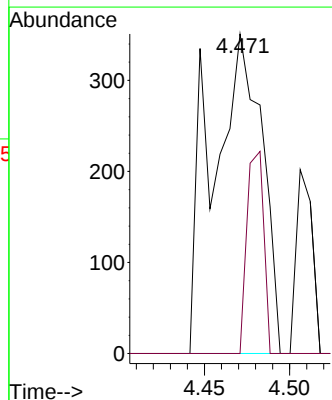
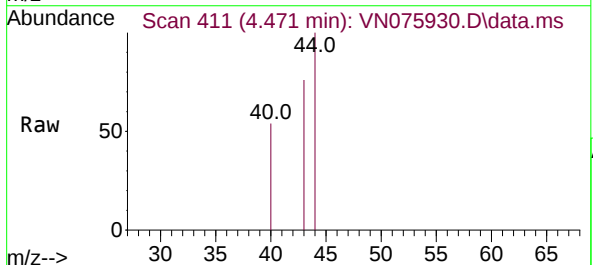
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

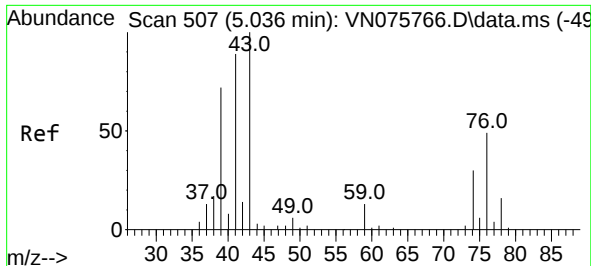
Tgt Ion: 53 Resp: 269
Ion Ratio Lower Upper
53 100
52 19.7 65.4 98.0#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.595 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

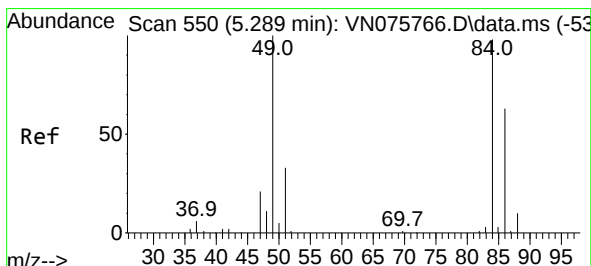
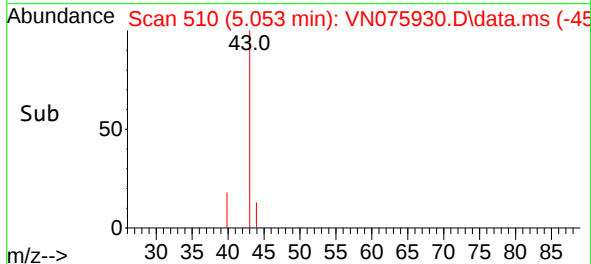
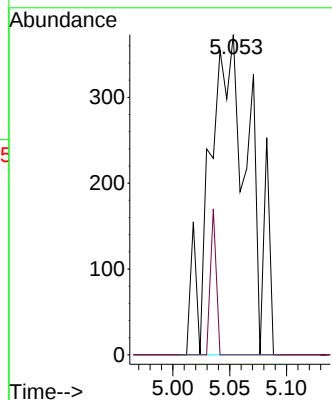
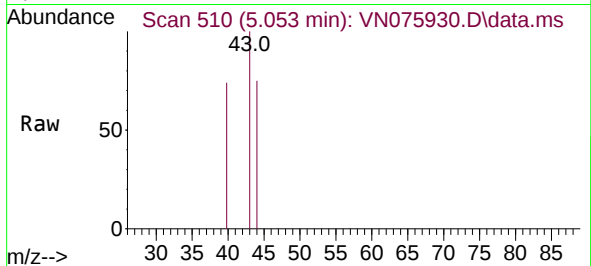




#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

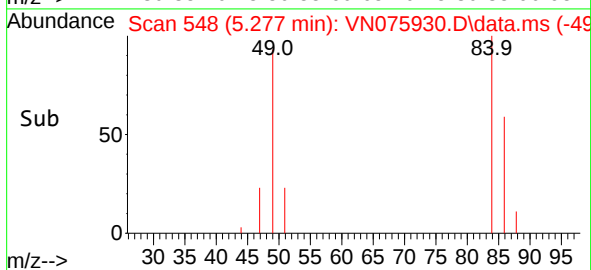
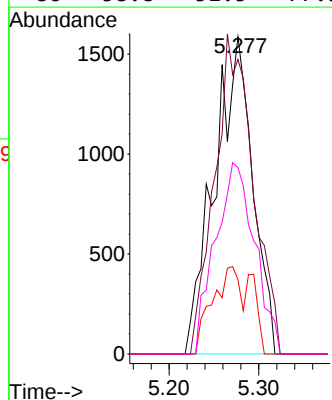
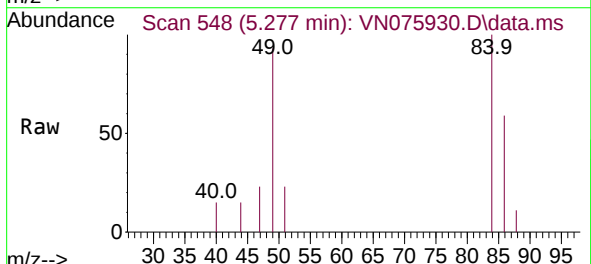
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

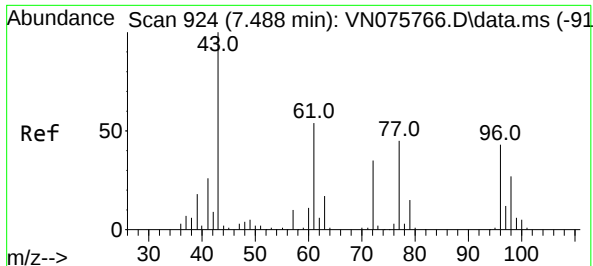
Tgt Ion: 43 Resp: 931
Ion Ratio Lower Upper
43 100
74 6.4 23.6 35.4#



#20
Methylene Chloride
Concen: 0.841 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 84 Resp: 4716
Ion Ratio Lower Upper
84 100
49 92.9 81.8 122.6
51 23.4 26.7 40.1#
86 58.8 51.5 77.3





#25

2-Butanone

Concen: 0.584 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

Instrument :

MSVOA_N

ClientSampleId :

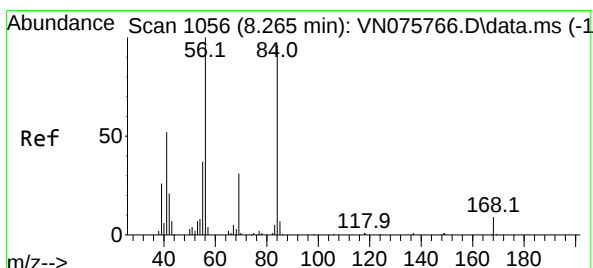
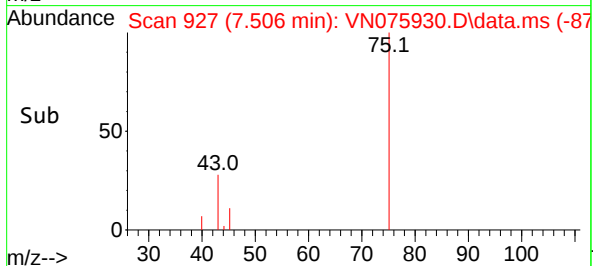
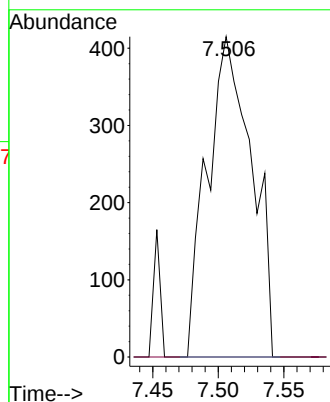
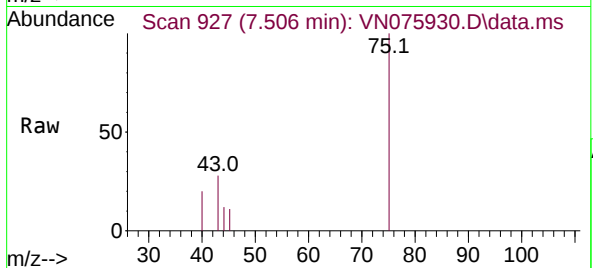
CLI-0116

Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

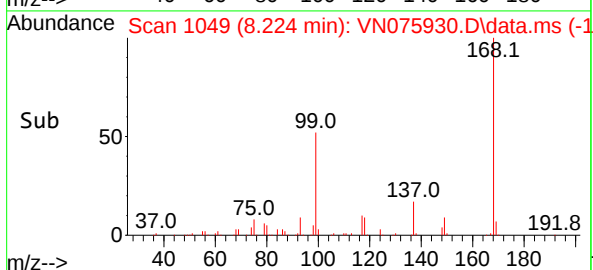
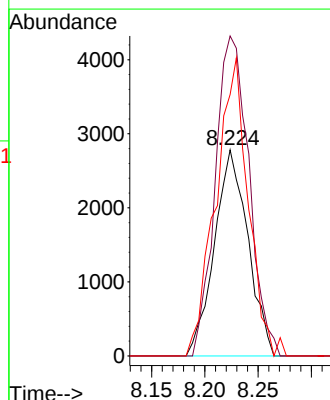
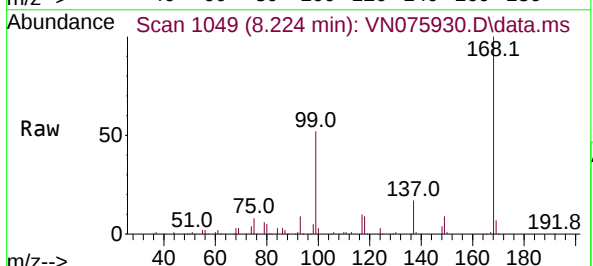
Tgt Ion: 56 Resp: 6073

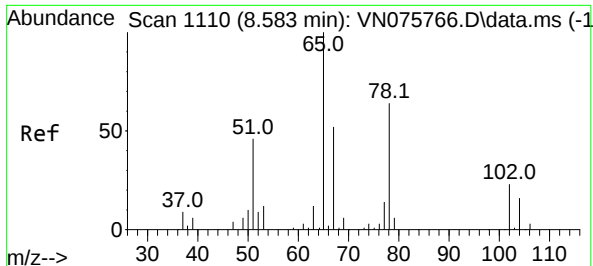
Ion Ratio Lower Upper

56 100

69 155.3 24.7 37.1#

84 126.9 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.420 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

Instrument :

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ClientSampleId :

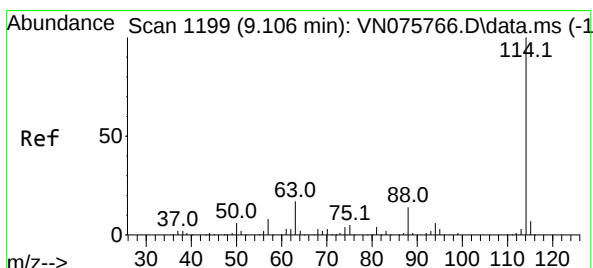
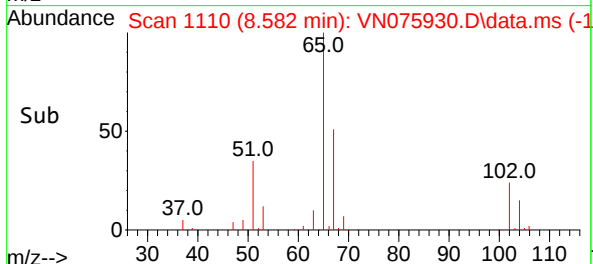
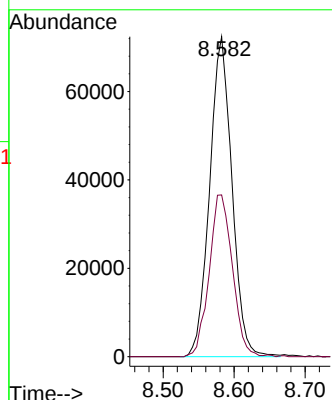
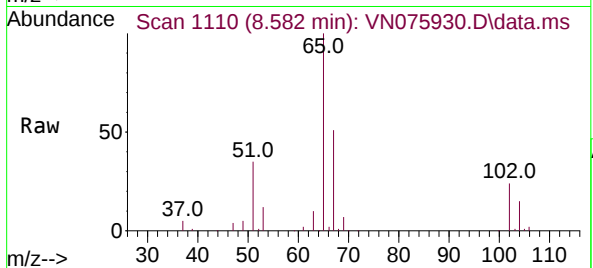
CLI-0116

Tgt Ion: 65 Resp: 157986

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

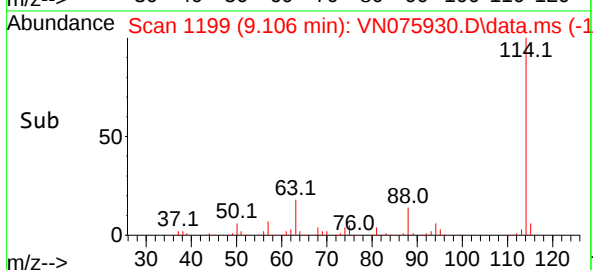
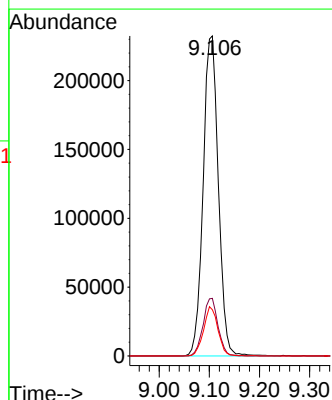
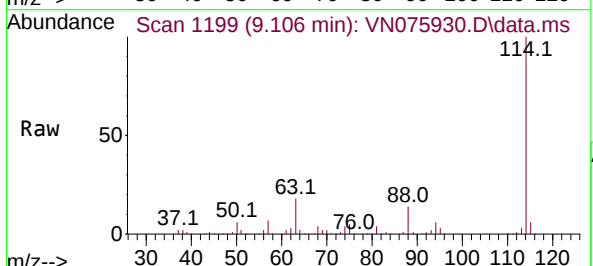
Tgt Ion: 114 Resp: 490001

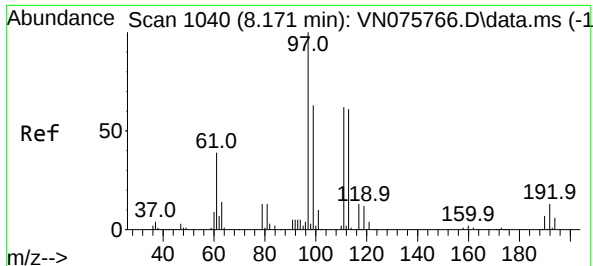
Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.111 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

Instrument :

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ClientSampleId :

CLI-0116

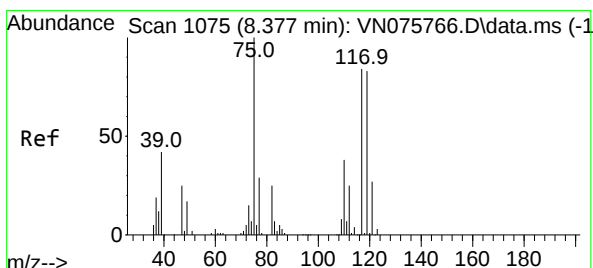
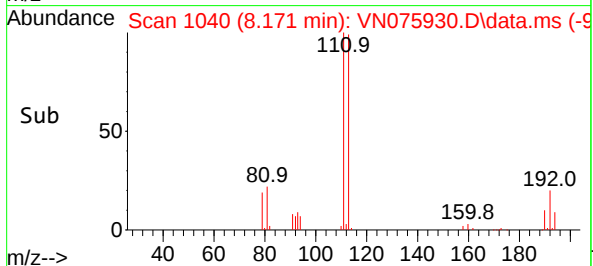
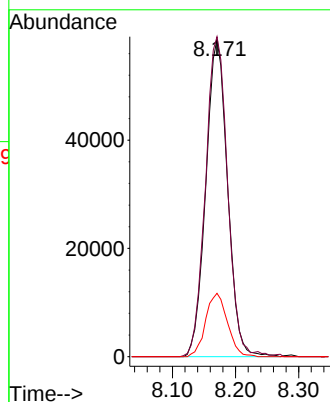
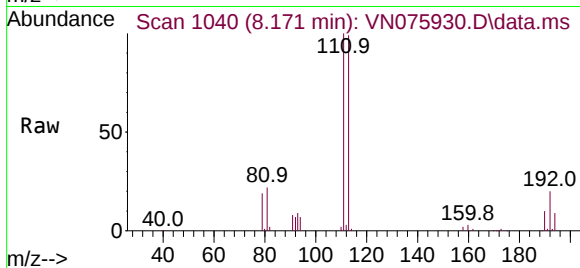
Tgt Ion:113 Resp: 139923

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 20.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.760 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

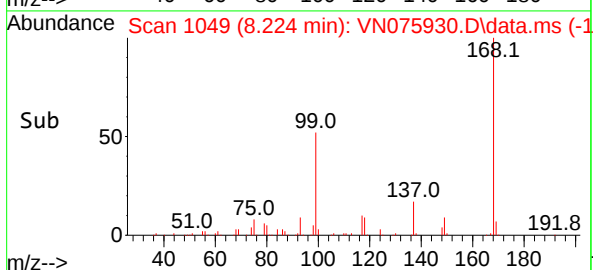
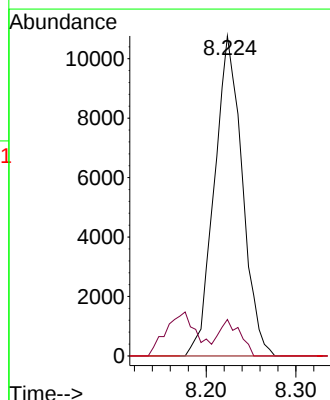
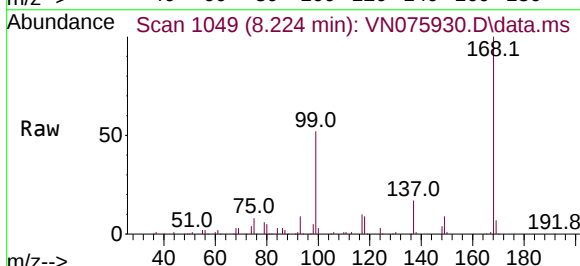
Tgt Ion: 75 Resp: 23220

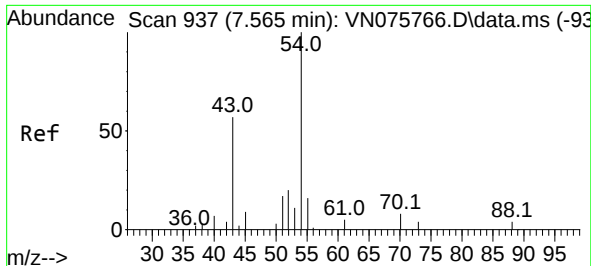
Ion Ratio Lower Upper

75 100

110 8.6 18.8 56.4#

77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 0.303 ug/l

RT: 7.506 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

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CLI-0116

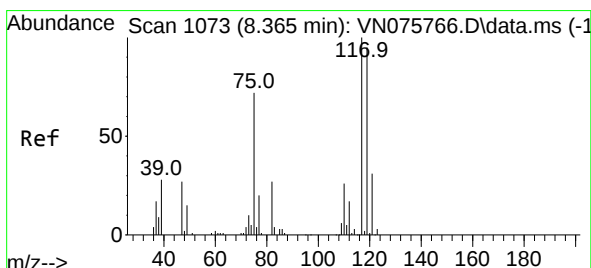
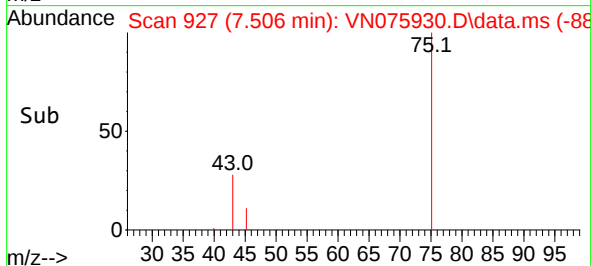
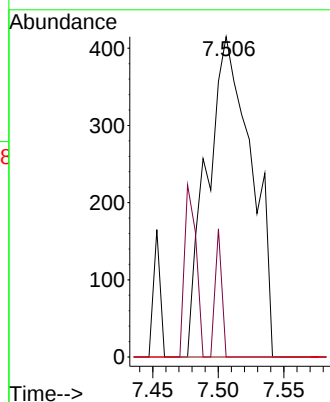
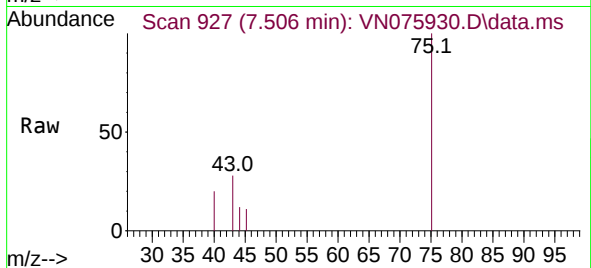
Tgt Ion: 43 Resp: 980

Ion Ratio Lower Upper

43 100

61 6.0 13.0 19.4#

70 0.0 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 6.823 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

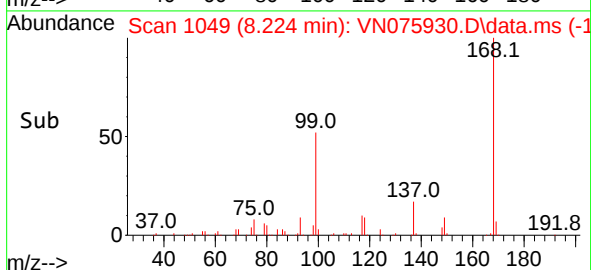
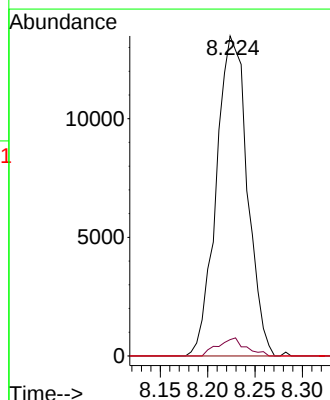
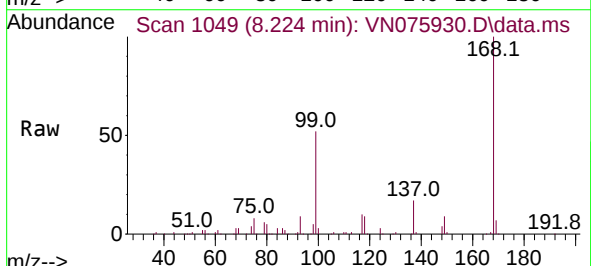
Tgt Ion: 117 Resp: 30785

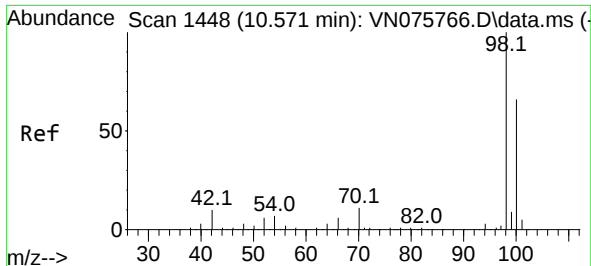
Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

121 0.0 24.5 36.7#

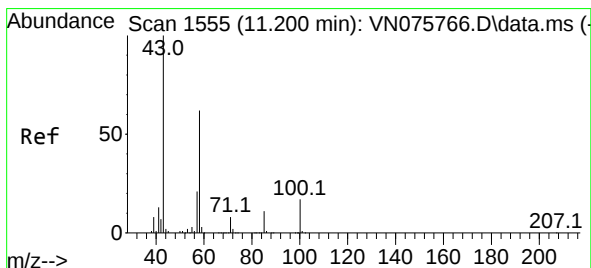
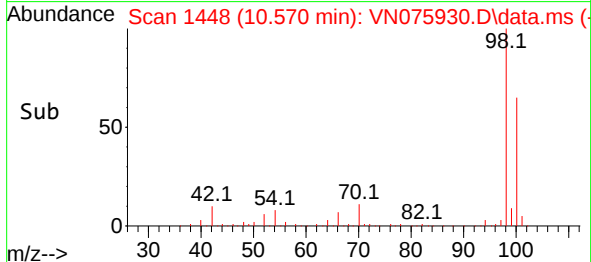
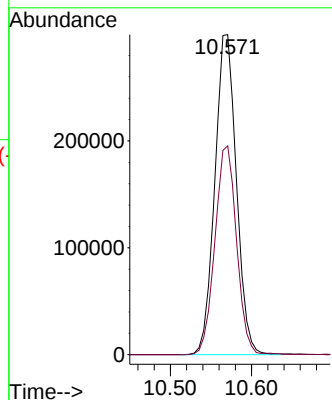
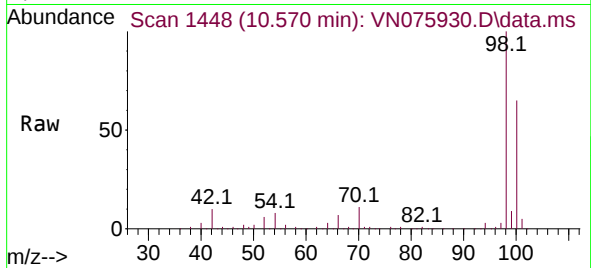




#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

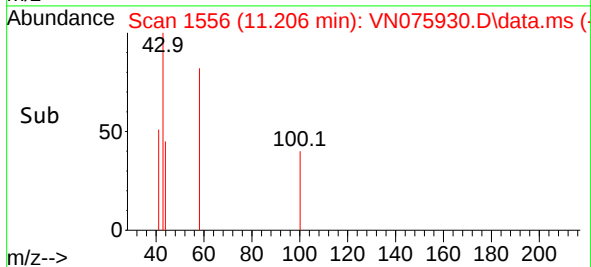
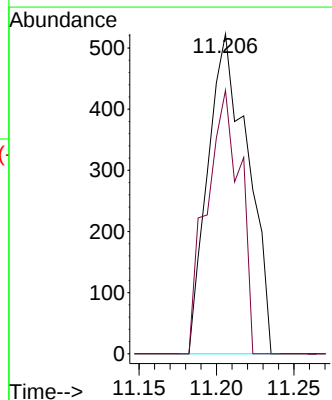
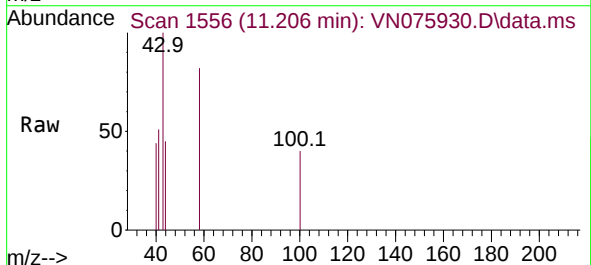
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

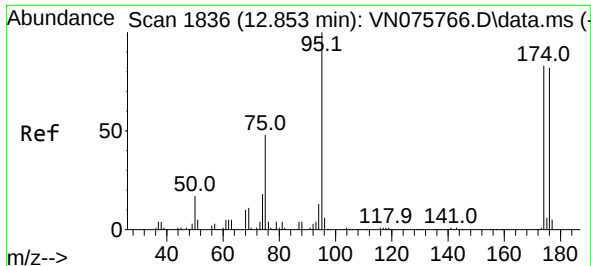
Tgt Ion: 98 Resp: 553849
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#59
2-Hexanone
Concen: 0.398 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 69.2 30.6 92.0





#62

4-Bromofluorobenzene

Concen: 42.145 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.000 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

Instrument :

MSVOA_N

ClientSampleId :

CLI-0116

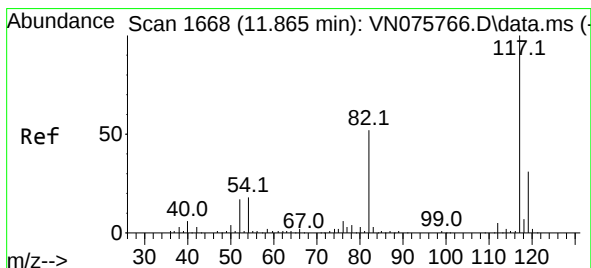
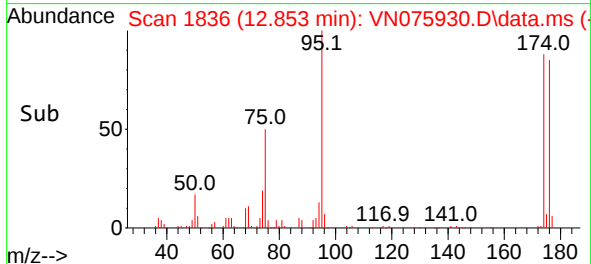
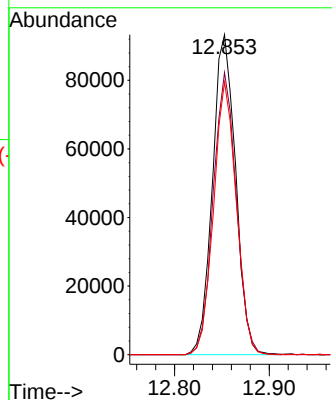
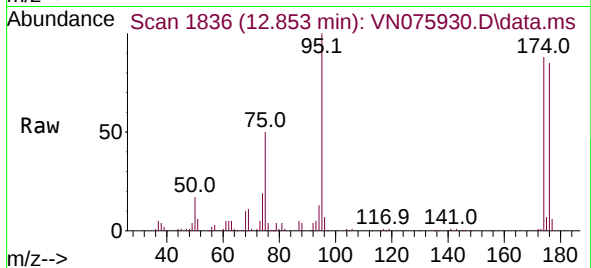
Tgt Ion: 95 Resp: 158371

Ion Ratio Lower Upper

95 100

174 87.7 0.0 171.6

176 83.8 0.0 169.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

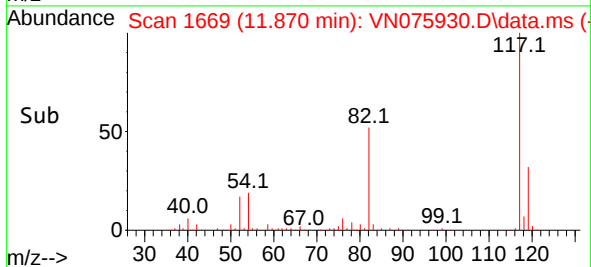
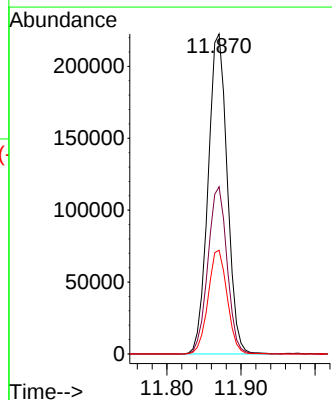
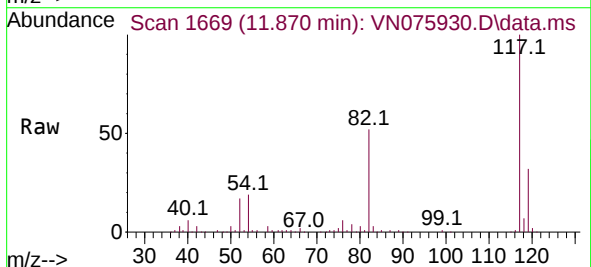
Tgt Ion: 117 Resp: 399280

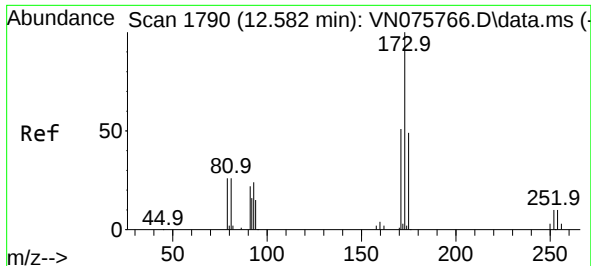
Ion Ratio Lower Upper

117 100

82 52.2 41.3 61.9

119 32.4 24.6 37.0

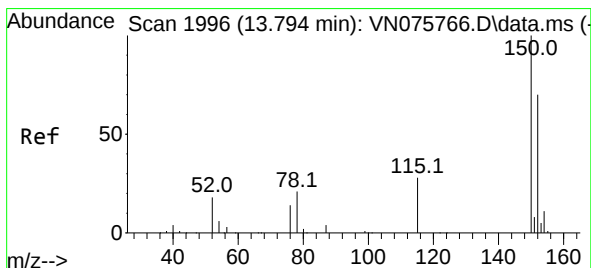
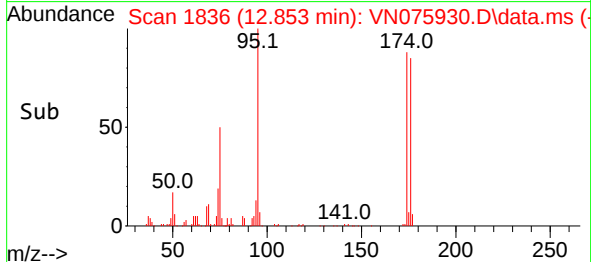
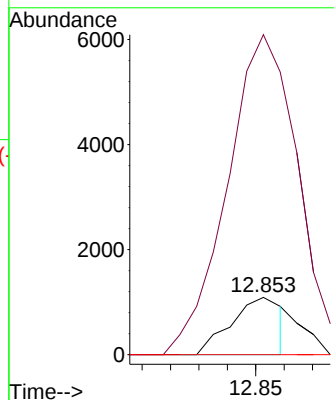
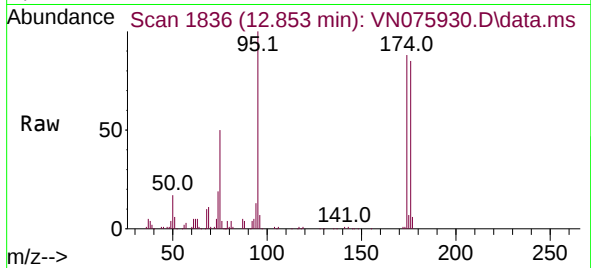




#71
Bromoform
Concen: 0.618 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

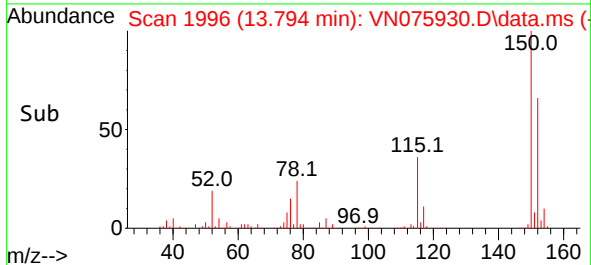
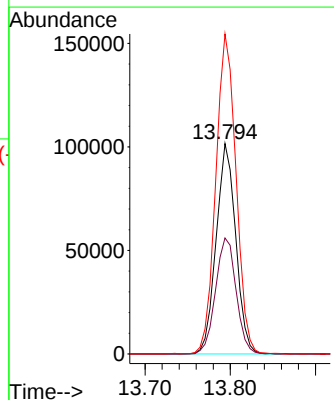
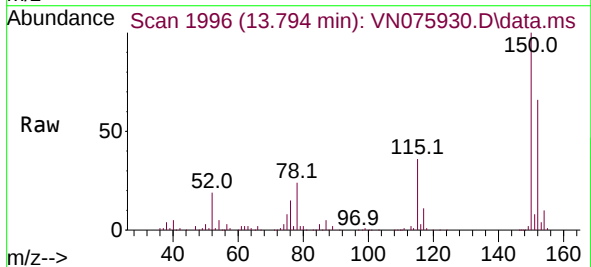
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

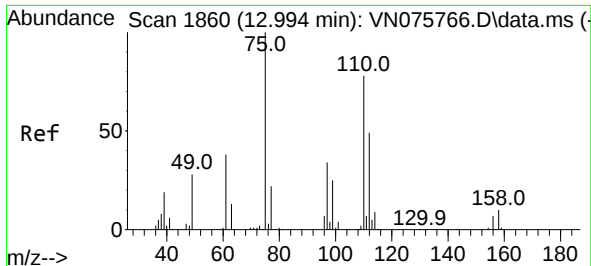
Tgt Ion:173 Resp: 1364
Ion Ratio Lower Upper
173 100
175 610.2 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion:152 Resp: 162525
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 157.1 0.0 347.0

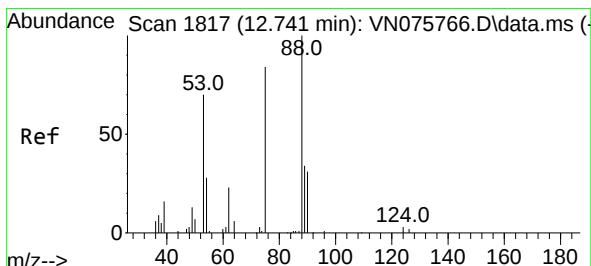
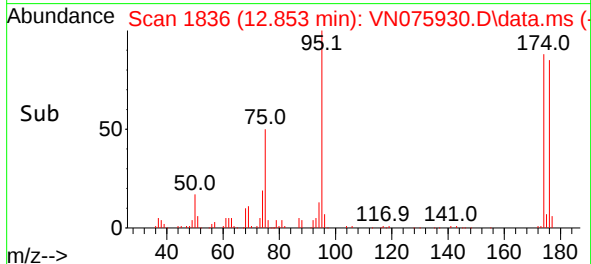
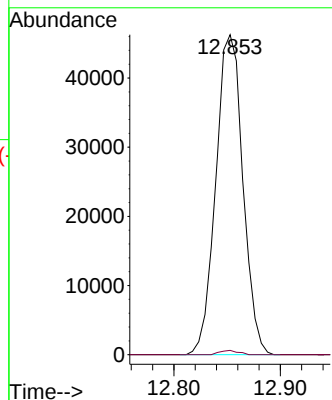
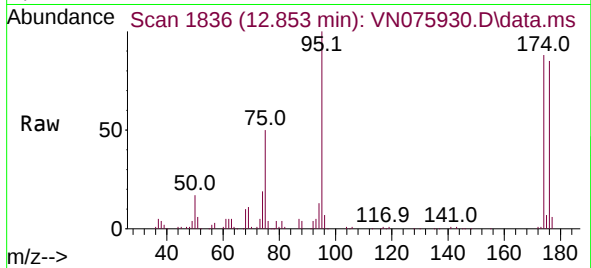




#76
1,2,3-Trichloropropane
Concen: 24.913 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

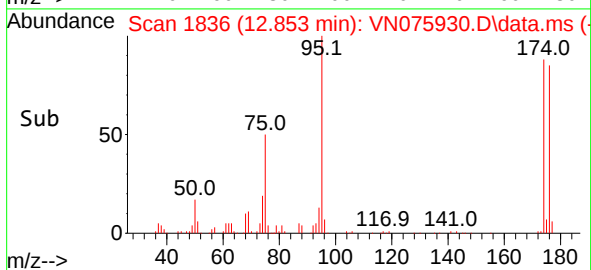
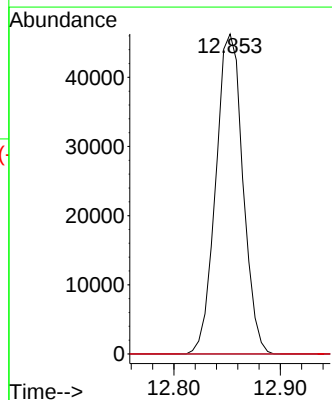
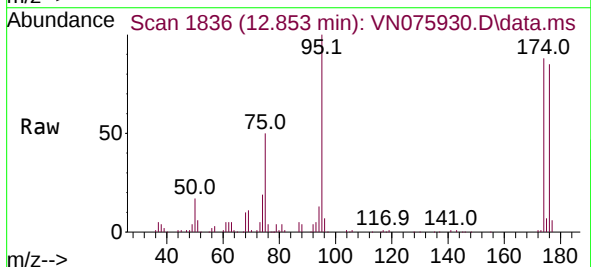
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

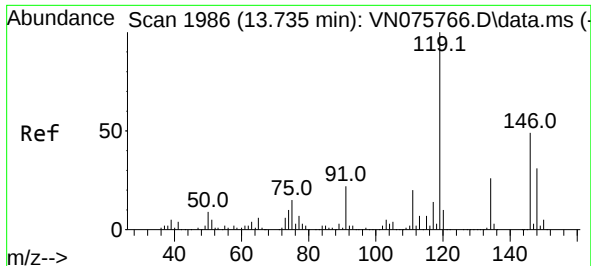
Tgt Ion: 75 Resp: 81618
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.675 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 75 Resp: 81618
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#87

1,3-Dichlorobenzene

Concen: 0.236 ug/l

RT: 13.747 min Scan# 1988

Delta R.T. 0.012 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

Instrument :

MSVOA_N

ClientSampleId :

CLI-0116

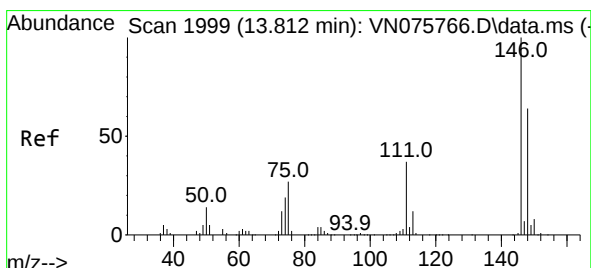
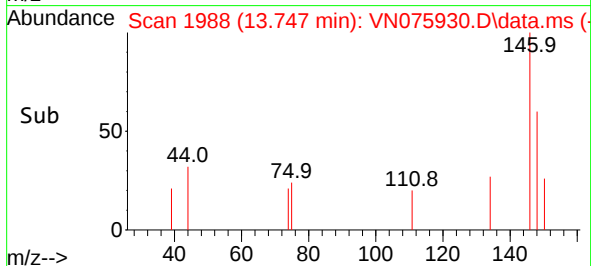
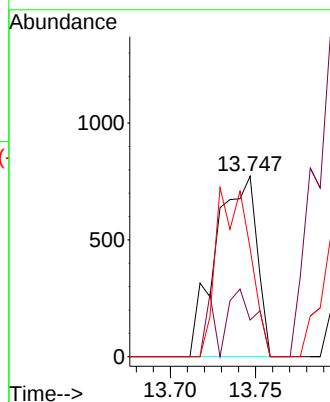
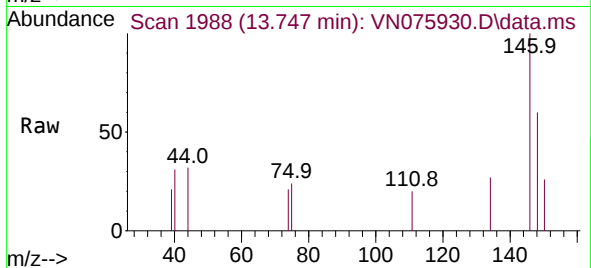
Tgt Ion:146 Resp: 1298

Ion Ratio Lower Upper

146 100

111 31.3 19.7 59.0

148 76.3 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.747 min Scan# 1988

Delta R.T. -0.065 min

Lab File: VN075930.D

Acq: 21 Dec 2022 19:28

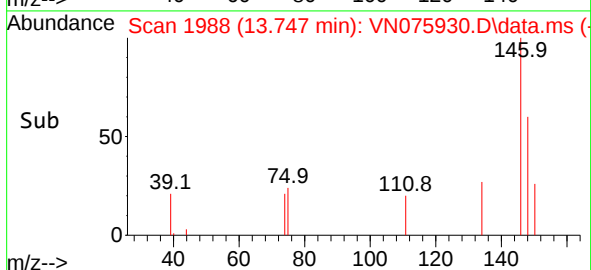
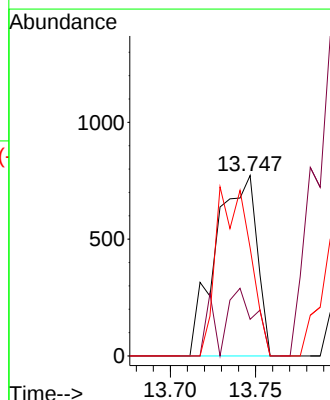
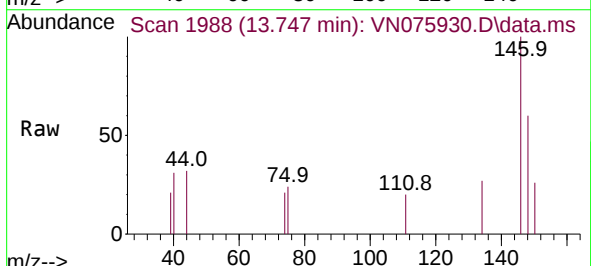
Tgt Ion:146 Resp: 1298

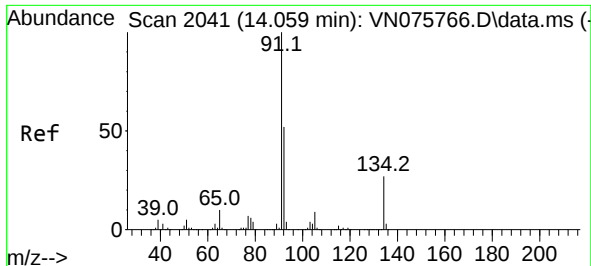
Ion Ratio Lower Upper

146 100

111 31.3 19.1 57.1

148 76.3 32.0 96.2

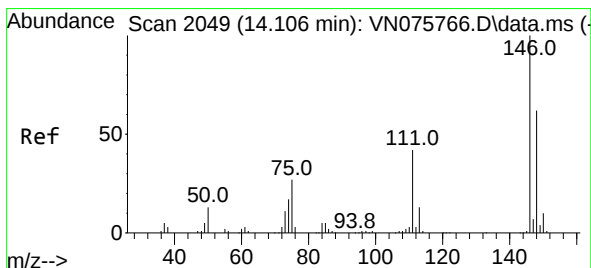
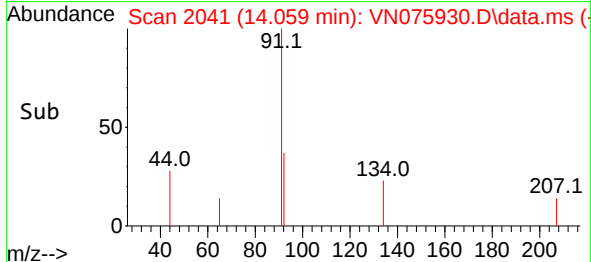
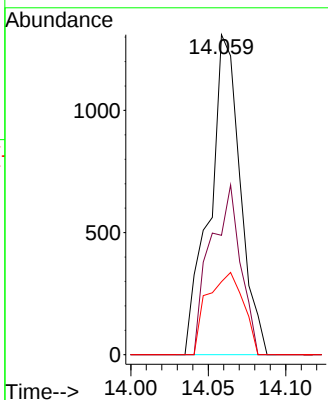
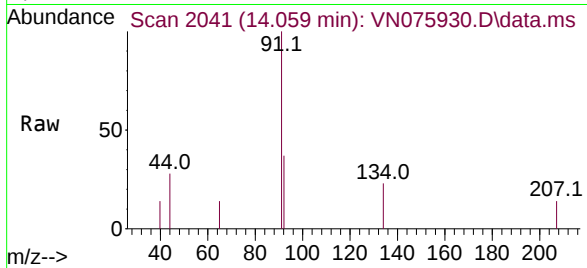




#89
n-Butylbenzene
Concen: 0.223 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

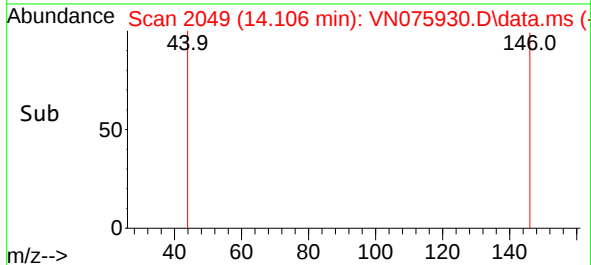
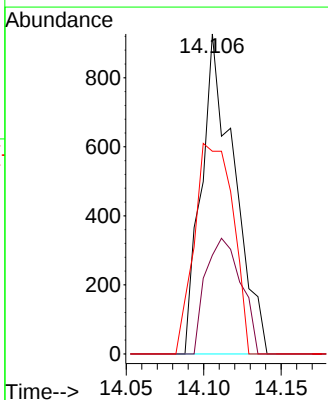
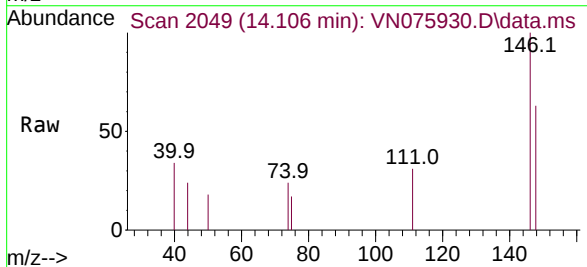
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

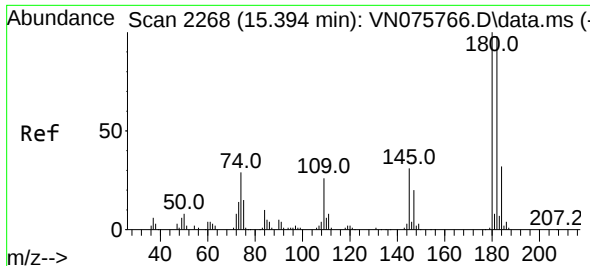
Tgt Ion: 91	Resp:	1802
Ion	Ratio	Lower Upper
91	100	
92	52.1	26.4 79.2
134	30.2	13.4 40.2



#91
1,2-Dichlorobenzene
Concen: 0.252 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

Tgt Ion: 146	Resp:	1362
Ion	Ratio	Lower Upper
146	100	
111	39.2	20.3 61.0
148	77.4	31.7 95.1

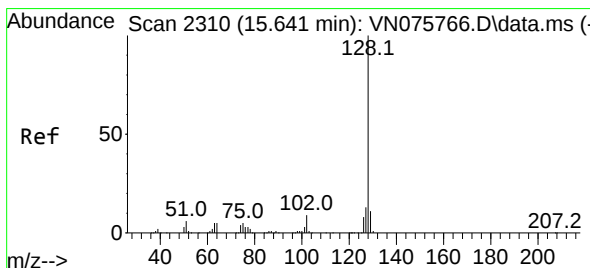
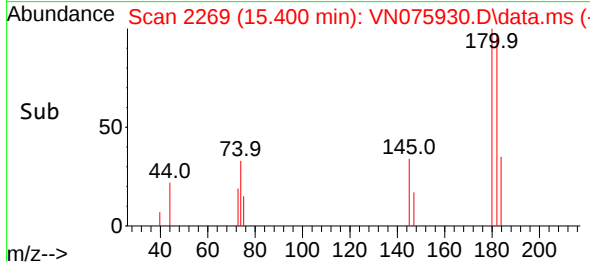
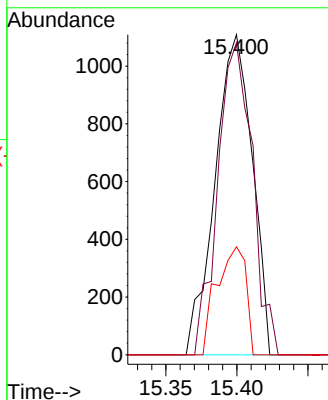
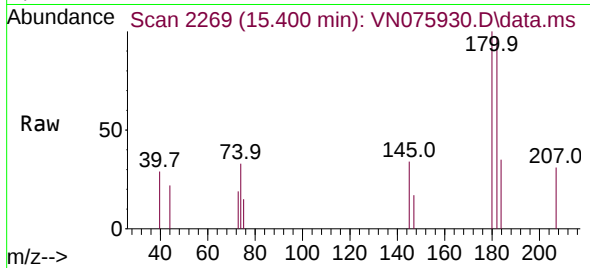




#93
1,2,4-Trichlorobenzene
Concen: 0.756 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

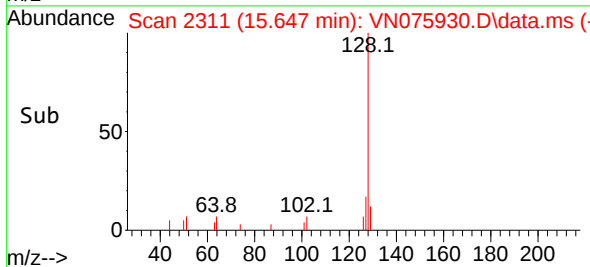
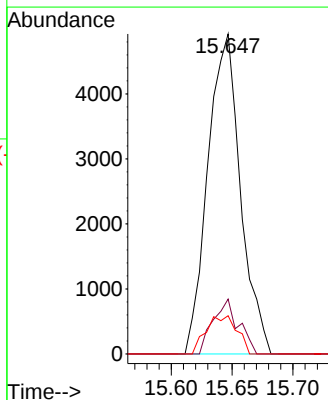
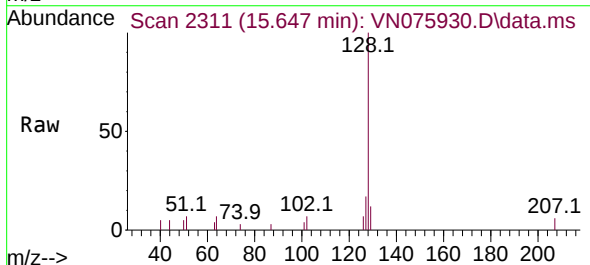
Instrument :
MSVOA_N
ClientSampleId :
CLI-0116

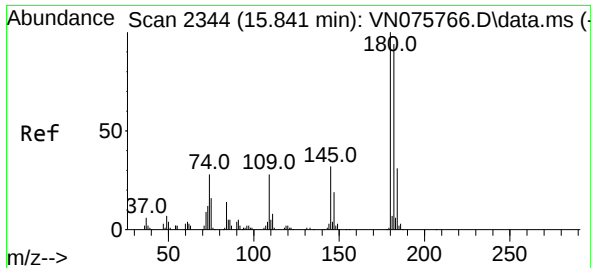
Tgt Ion:180 Resp: 2023
Ion Ratio Lower Upper
180 100
182 90.9 47.5 142.5
145 26.4 15.3 45.8



#95
Naphthalene
Concen: 3.170 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075930.D
Acq: 21 Dec 2022 19:28

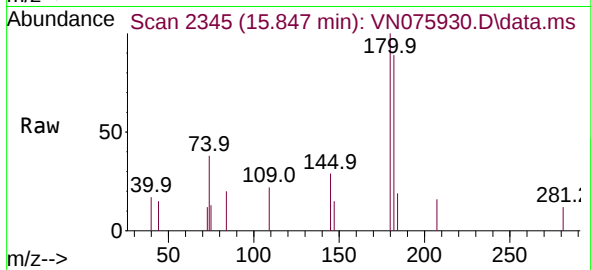
Tgt Ion:128 Resp: 9175
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.948 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN075930.D
 Acq: 21 Dec 2022 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 CLI-0116



Tgt Ion:	180	Resp:	2372
Ion	Ratio	Lower	Upper
180	100		
182	90.1	47.0	141.0
145	19.1	16.0	47.9

