

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075836.D
 Acq On : 16 Dec 2022 10:28
 Operator : JC\MD
 Sample : VN1216MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Quant Time: Dec 17 08:35:56 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)

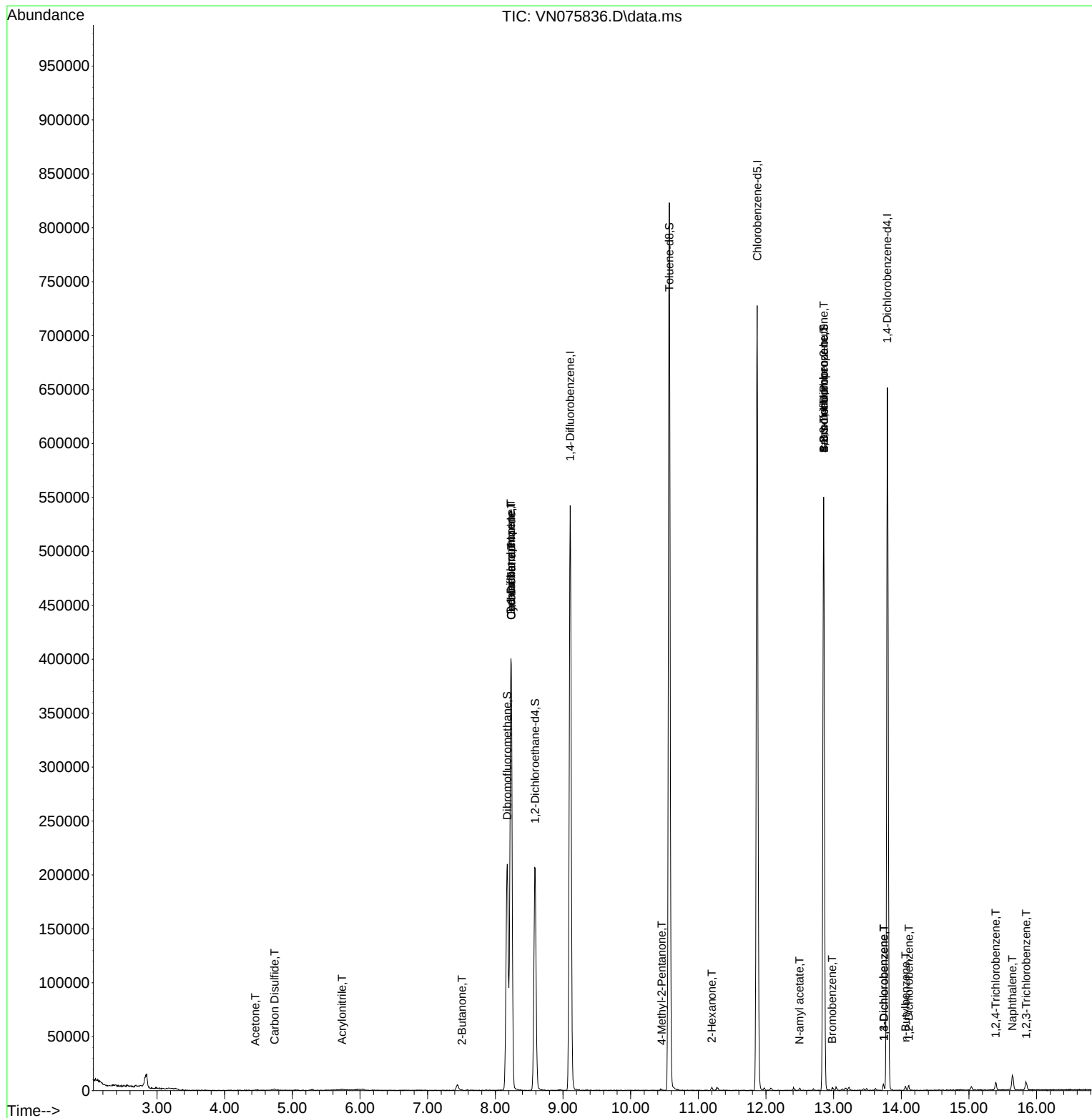
Internal Standards						
1) Pentafluorobenzene	8.230	168	321665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	503997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	439227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	182497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	166005	47.438	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.880%		
35) Dibromofluoromethane	8.177	113	151315	48.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	10.571	98	582608	49.925	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.840%		
62) 4-Bromofluorobenzene	12.853	95	180484	46.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds					Qvalue	
15) Acrylonitrile	5.736	53	621	0.460	ug/l #	48
16) Acetone	4.453	43	429	0.356	ug/l #	39
17) Carbon Disulfide	4.736	76	1889	0.274	ug/l #	76
20) Methylene Chloride	5.300	84	306	Below Cal	#	20
25) 2-Butanone	7.506	43	530	0.314	ug/l #	40
31) Cyclohexane	8.235	56	6170	1.231	ug/l #	7
36) 1,1-Dichloropropene	8.230	75	22867	5.515	ug/l #	51
38) Carbon Tetrachloride	8.235	117	31104	6.703	ug/l #	17
51) 4-Methyl-2-Pentanone	10.459	43	1109	0.334	ug/l #	77
59) 2-Hexanone	11.200	43	1935	0.799	ug/l	96
71) Bromoform	12.853	173	1086	0.447	ug/l #	1
74) N-amyl acetate	12.494	43	975	0.252	ug/l #	73
76) 1,2,3-Trichloropropane	12.853	75	91940	24.993	ug/l #	1
77) Bromobenzene	12.976	156	701	0.210	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.853	75	91940	89.961	ug/l #	12
87) 1,3-Dichlorobenzene	13.741	146	2367	0.384	ug/l	92
88) 1,4-Dichlorobenzene	13.741	146	2367	0.376	ug/l	90
89) n-Butylbenzene	14.064	91	2818	0.311	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	2097	0.345	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	3248	1.080	ug/l	90
95) Naphthalene	15.641	128	14872	3.610	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	3727	1.326	ug/l	89

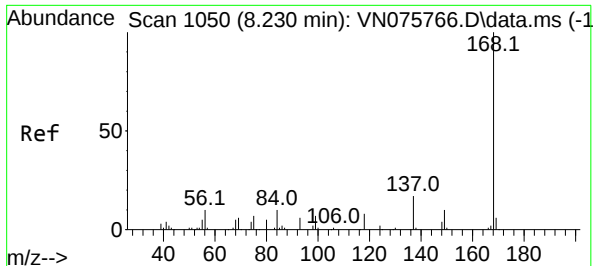
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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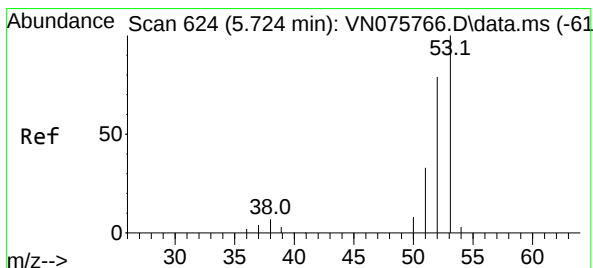
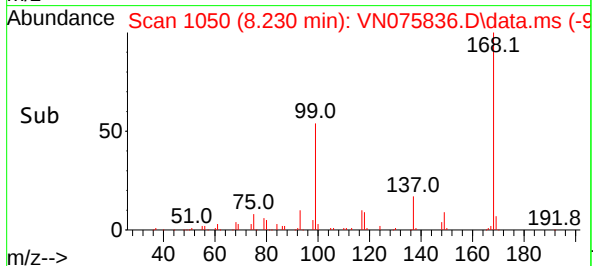
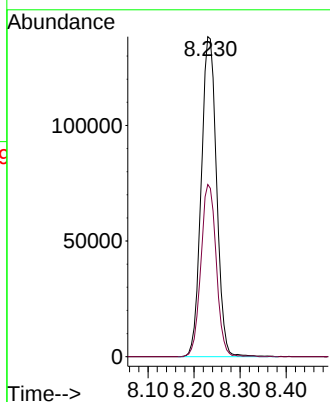
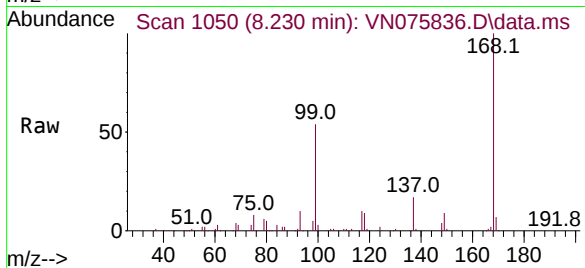




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

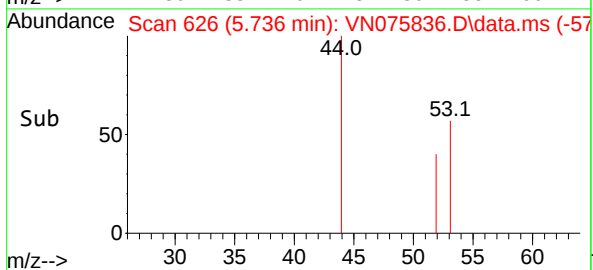
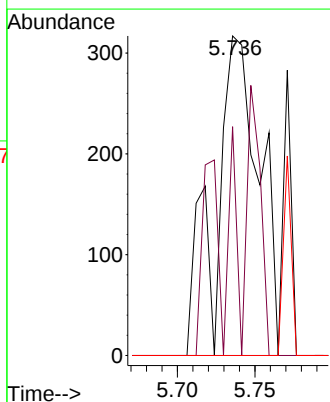
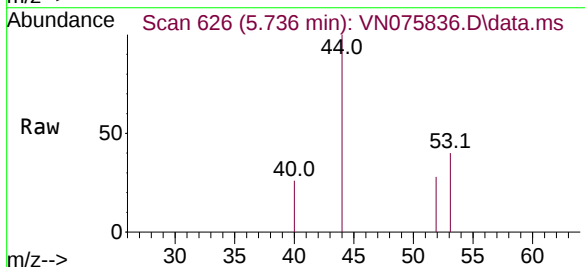
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

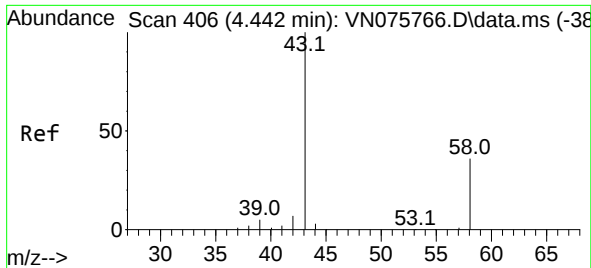
Tgt Ion:168 Resp: 321665
Ion Ratio Lower Upper
168 100
99 53.8 44.2 66.4



#15
Acrylonitrile
Concen: 0.460 ug/l
RT: 5.736 min Scan# 626
Delta R.T. 0.012 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 53 Resp: 621
Ion Ratio Lower Upper
53 100
52 38.6 65.4 98.0#
51 0.0 28.9 43.3#





#16

Acetone

Concen: 0.356 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

Instrument :

MSVOA_N

ClientSampleId :

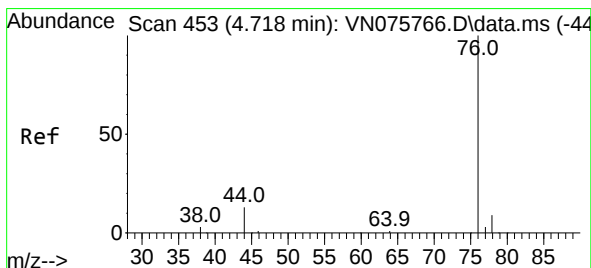
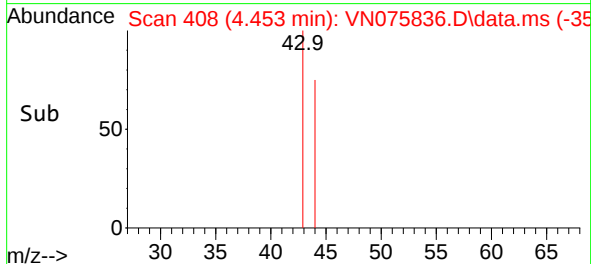
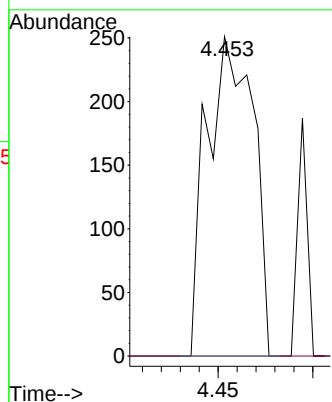
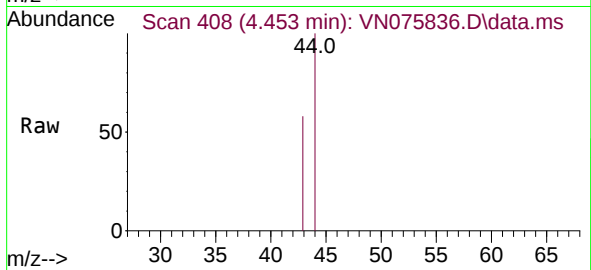
VN1216MBL01

Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#17

Carbon Disulfide

Concen: 0.274 ug/l

RT: 4.736 min Scan# 456

Delta R.T. 0.018 min

Lab File: VN075836.D

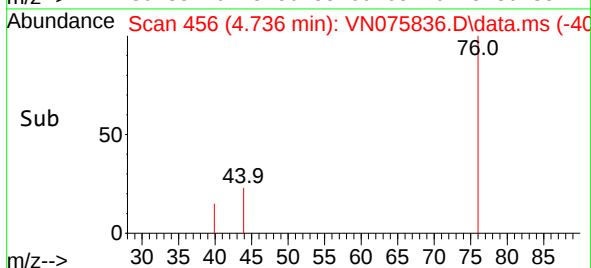
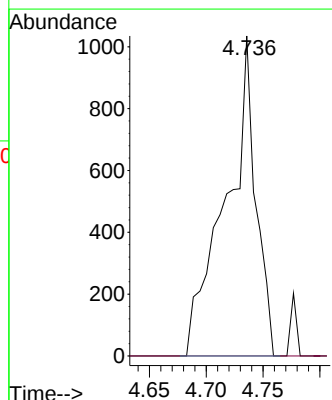
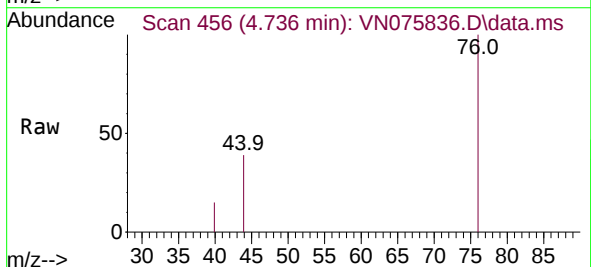
Acq: 16 Dec 2022 10:28

Tgt Ion: 76 Resp: 1889

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#

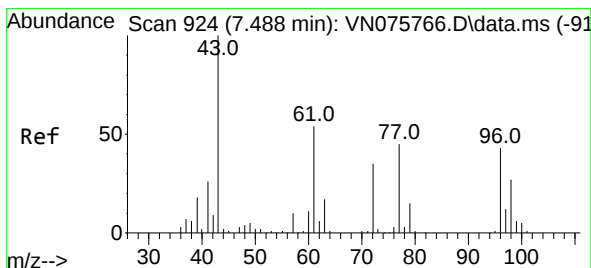
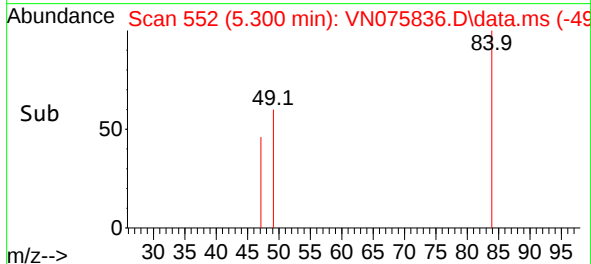
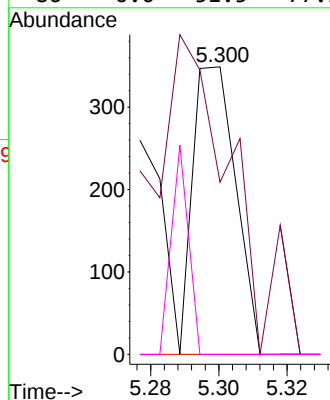
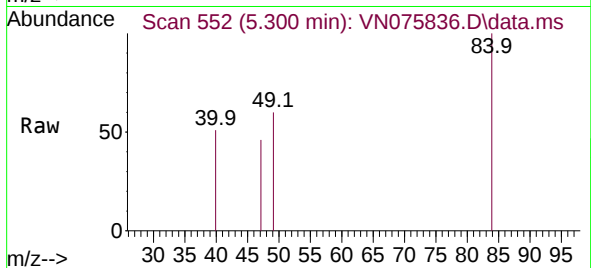




#20
Methylene Chloride
Concen: Below Cal
RT: 5.300 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

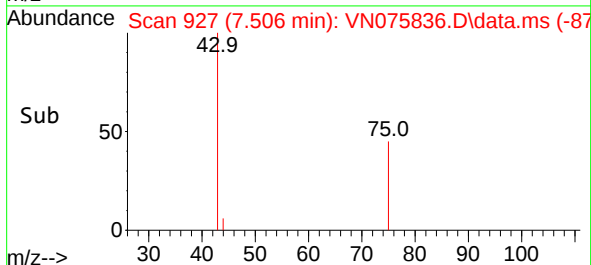
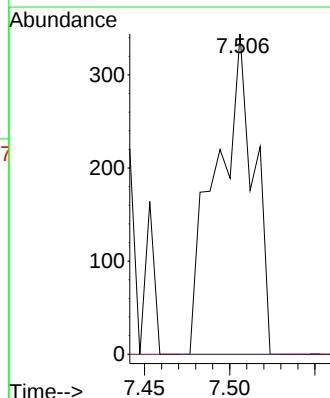
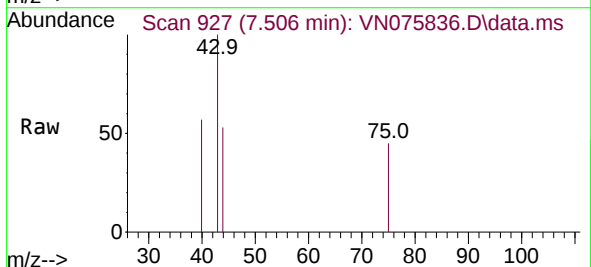
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

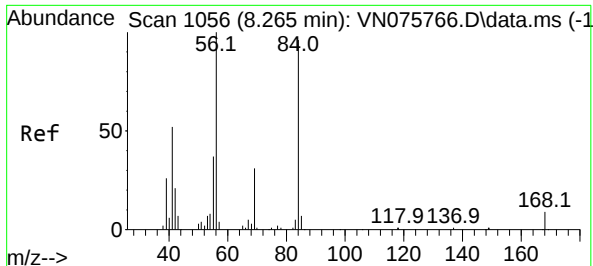
Tgt Ion: 84	Resp:	306
Ion	Ratio	Lower Upper
84	100	
49	14.9	81.8 122.6#
51	0.0	26.7 40.1#
86	0.0	51.5 77.3#



#25
2-Butanone
Concen: 0.314 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

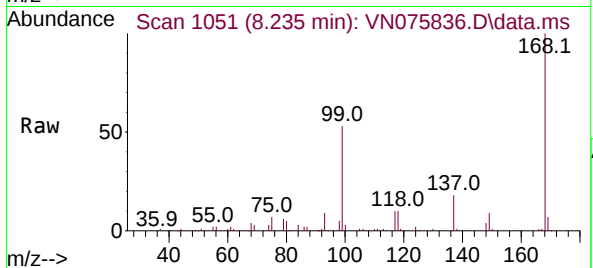
Tgt Ion: 43	Resp:	530
Ion	Ratio	Lower Upper
43	100	
72	0.0	28.0 42.0#



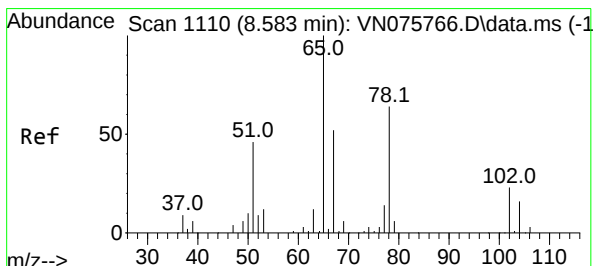
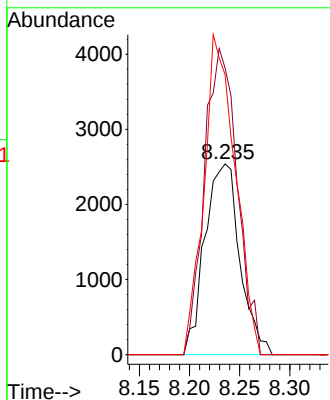
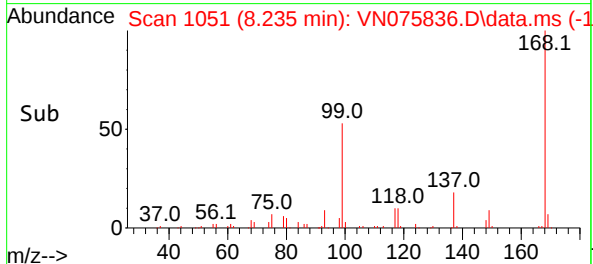


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

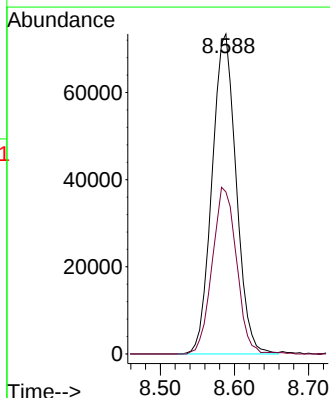
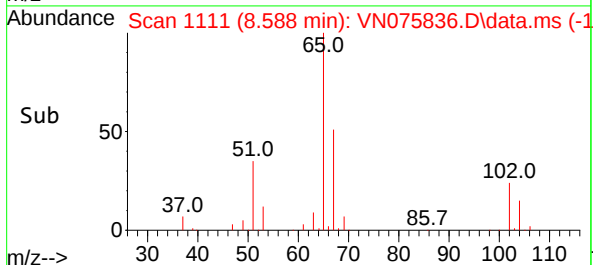
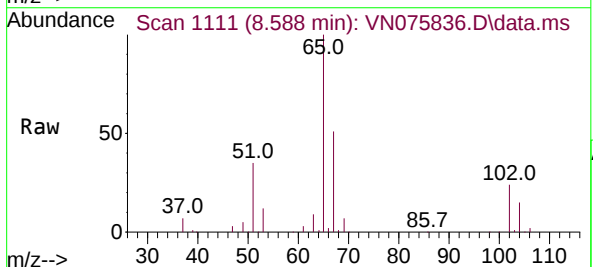


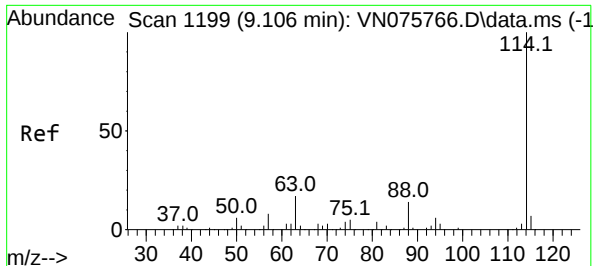
Tgt Ion: 56 Resp: 6170
Ion Ratio Lower Upper
56 100
69 150.4 24.7 37.1#
84 146.8 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 47.438 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 65 Resp: 166005
Ion Ratio Lower Upper
65 100
67 52.4 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: VN075836.D

Acq: 16 Dec 2022 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

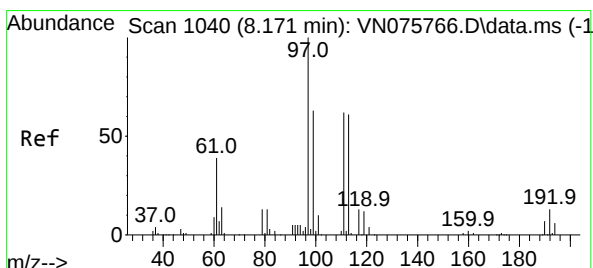
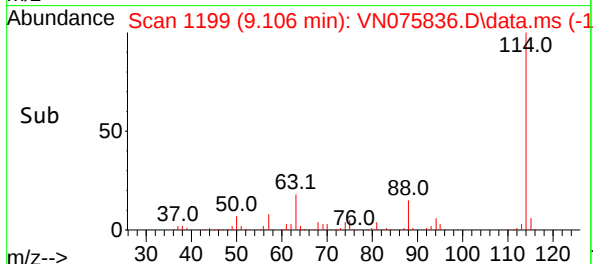
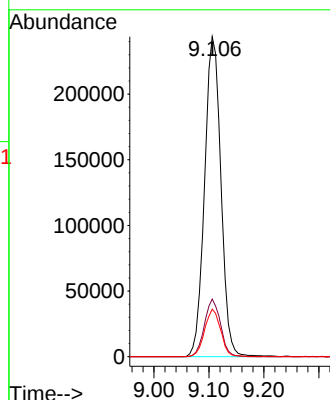
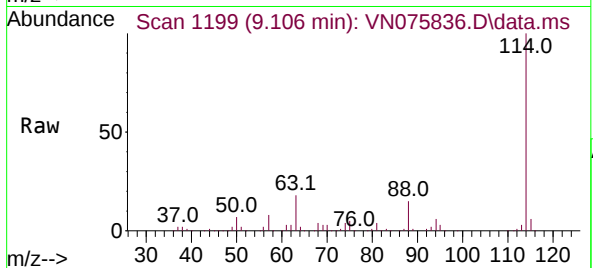
Tgt Ion:114 Resp: 503997

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.480 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

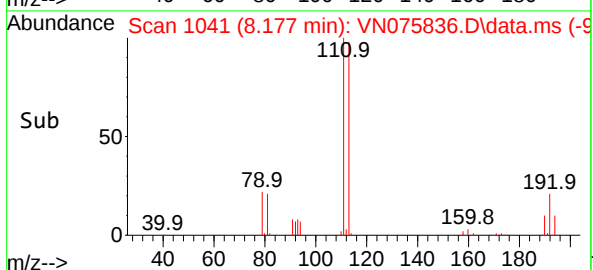
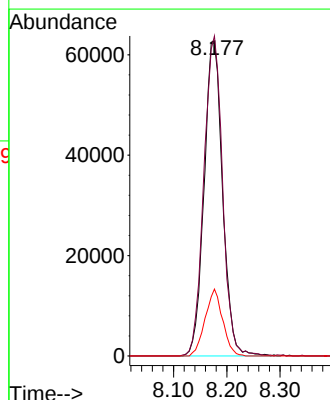
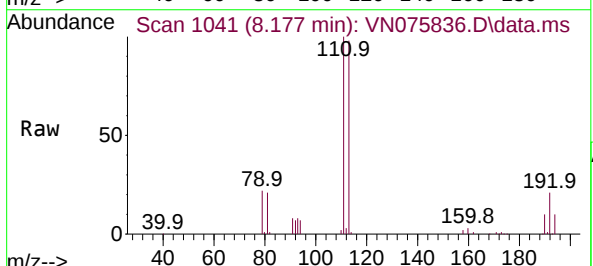
Tgt Ion:113 Resp: 151315

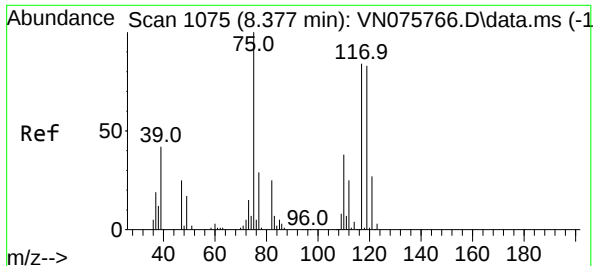
Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.515 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

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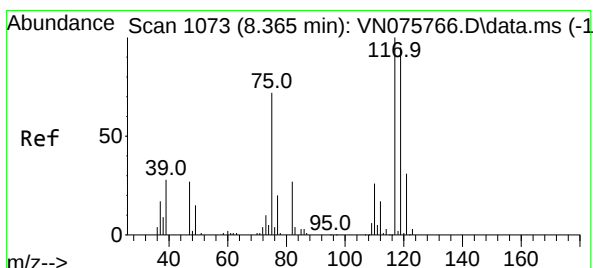
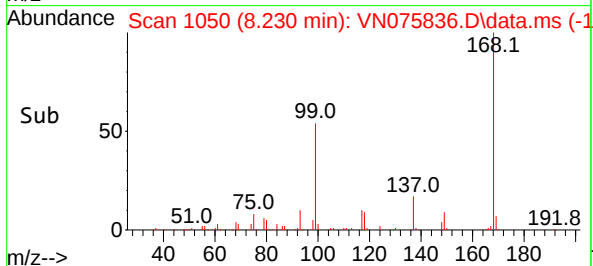
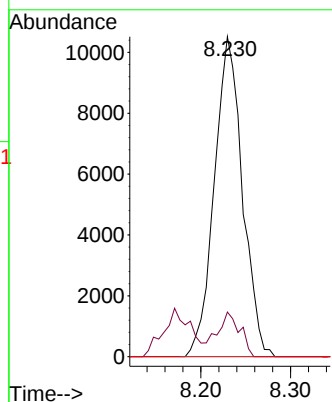
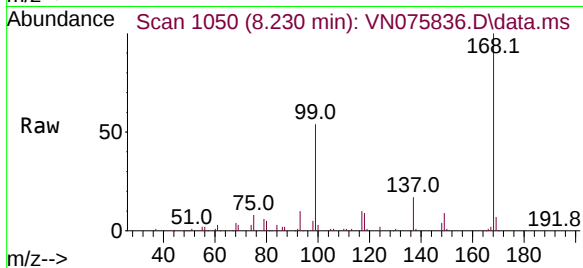
Tgt Ion: 75 Resp: 22867

Ion Ratio Lower Upper

75 100

110 11.8 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.703 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

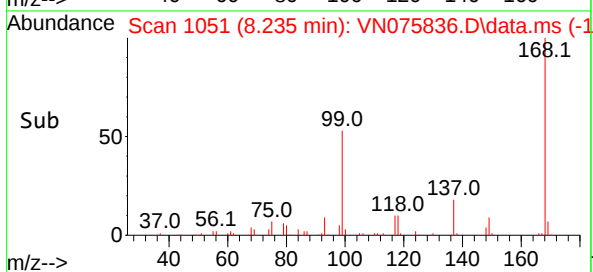
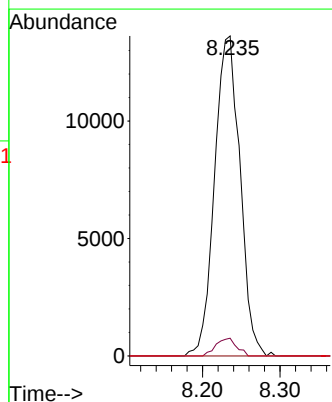
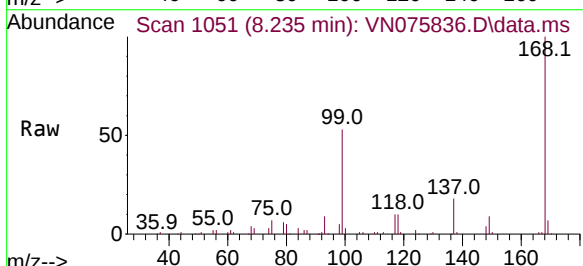
Tgt Ion: 117 Resp: 31104

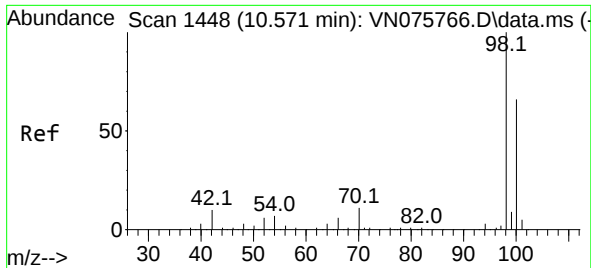
Ion Ratio Lower Upper

117 100

119 5.6 76.1 114.1#

121 0.0 24.5 36.7#

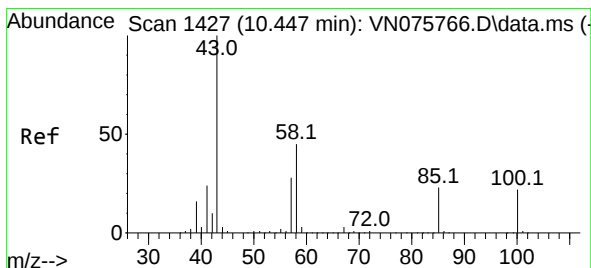
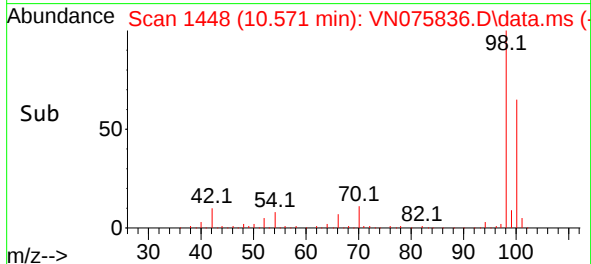
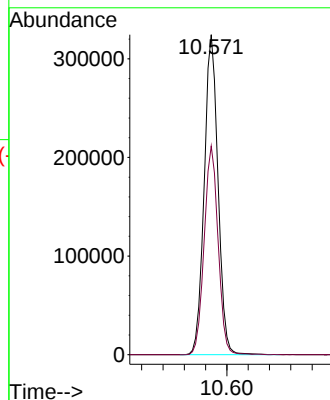
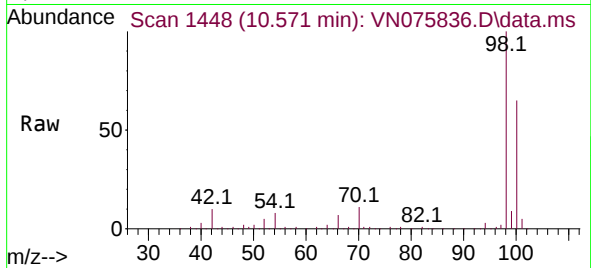




#50
Toluene-d8
Concen: 49.925 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

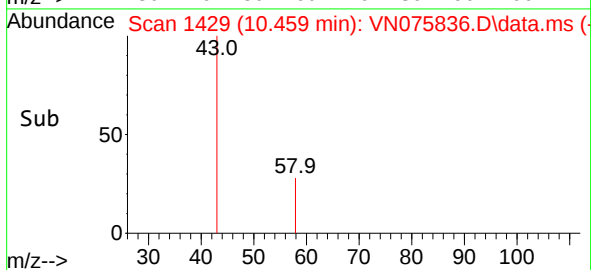
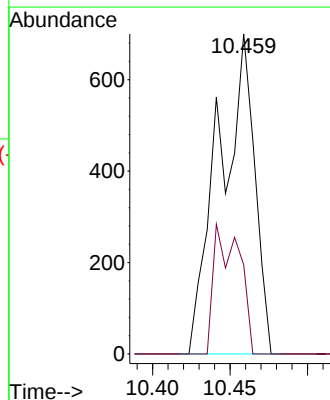
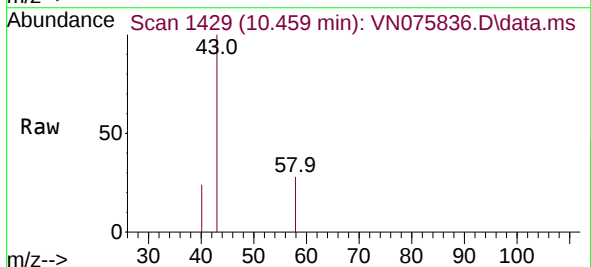
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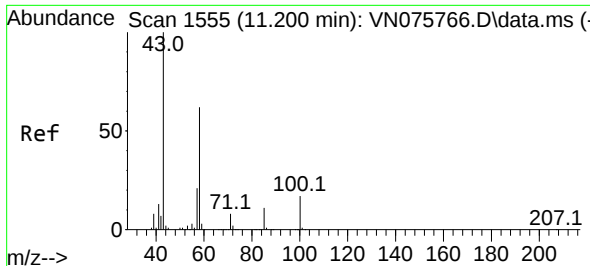
Tgt Ion: 98 Resp: 582608
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.334 ug/l
RT: 10.459 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 29.3 35.5 53.3#

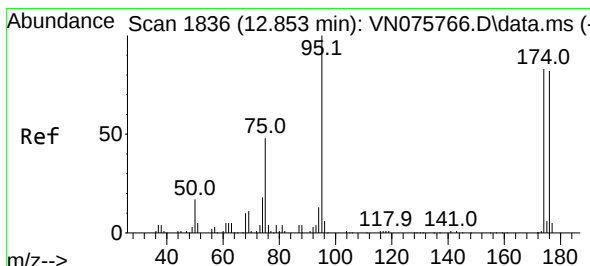
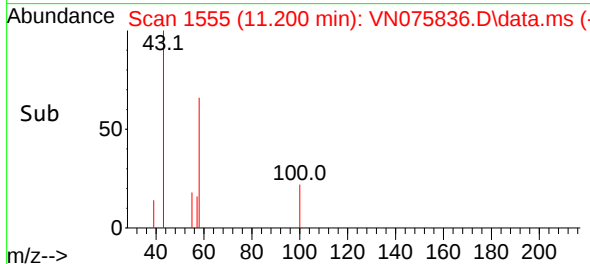
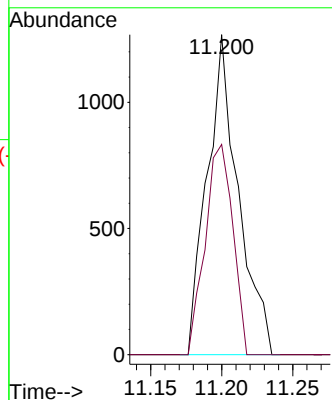
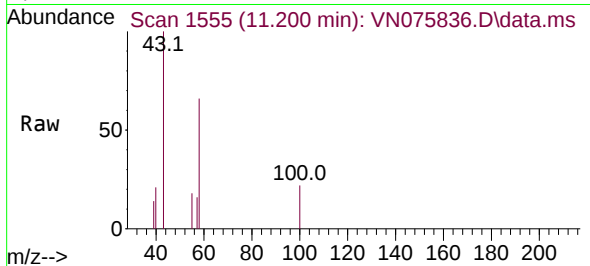




#59
2-Hexanone
Concen: 0.799 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

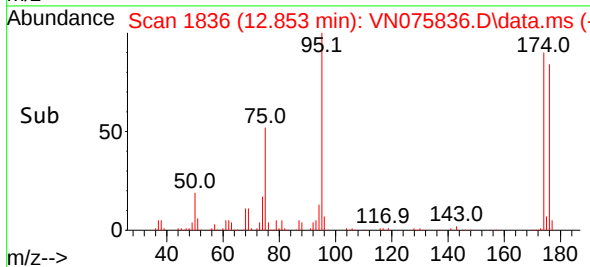
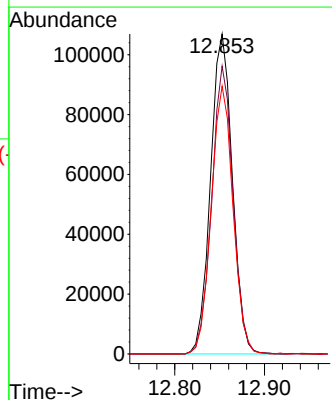
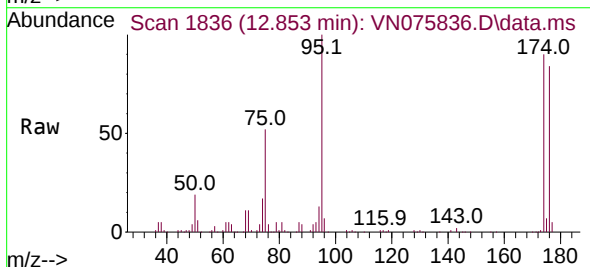
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

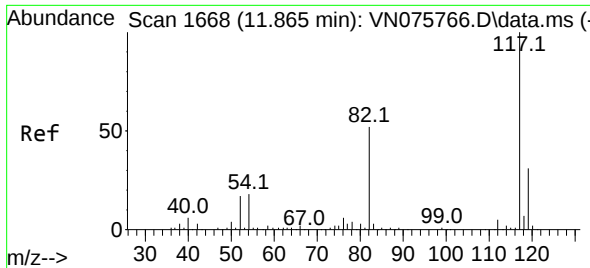
Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
58 58.2 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 46.695 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 95 Resp: 180484
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 83.6 0.0 169.2

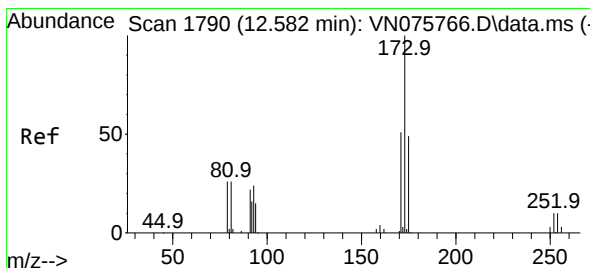
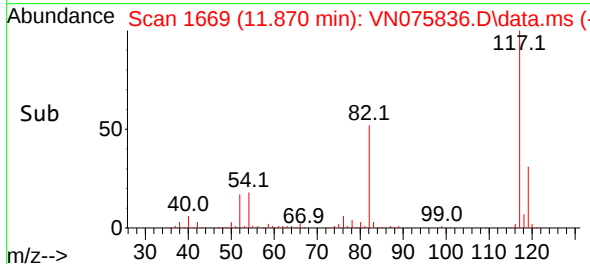
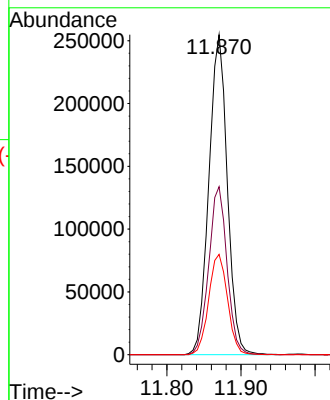
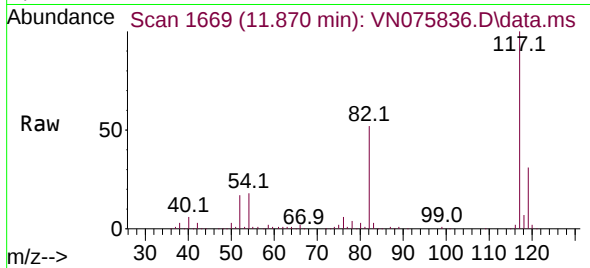




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

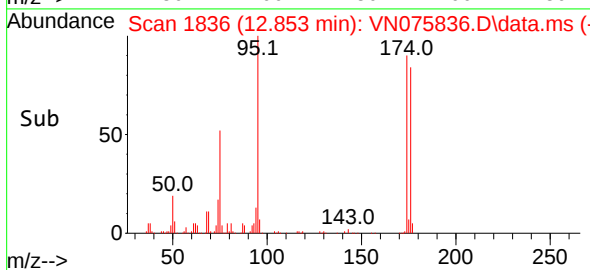
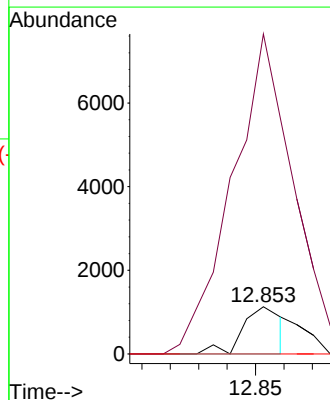
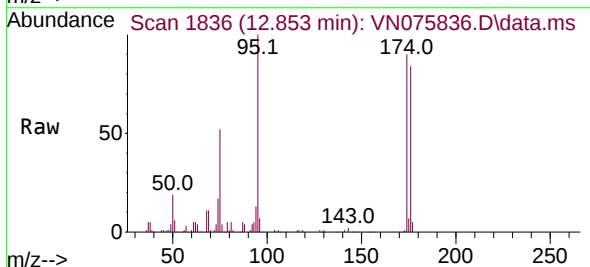
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

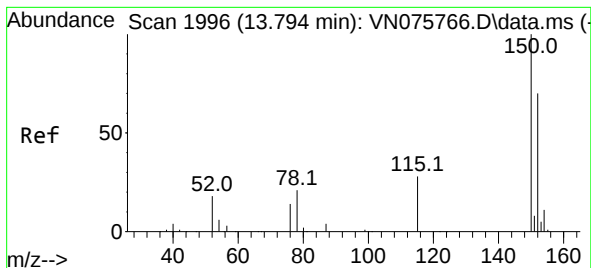
Tgt Ion:117 Resp: 439227
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 31.4 24.6 37.0



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion:173 Resp: 1086
Ion Ratio Lower Upper
173 100
175 842.3 24.3 72.8#
254 0.0 0.0 0.0

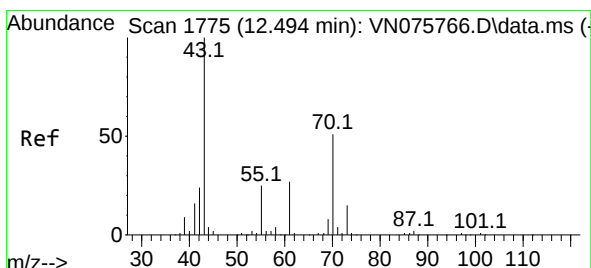
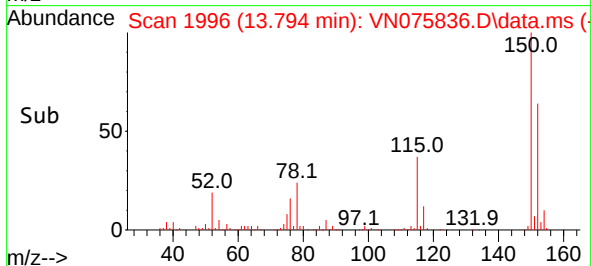
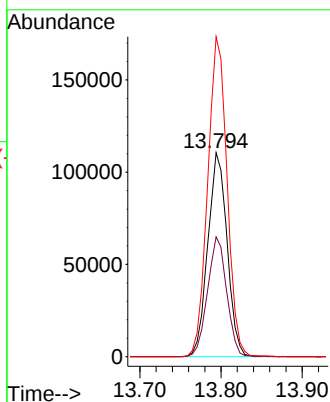
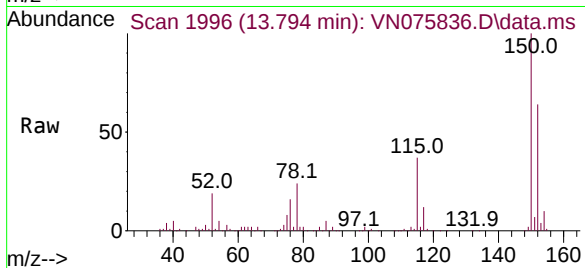




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

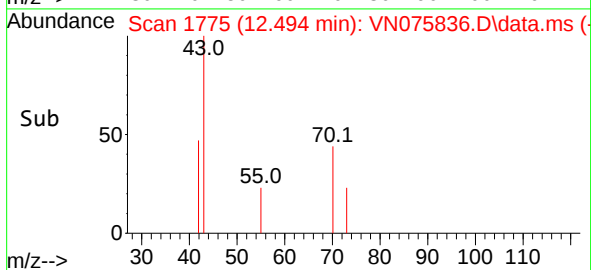
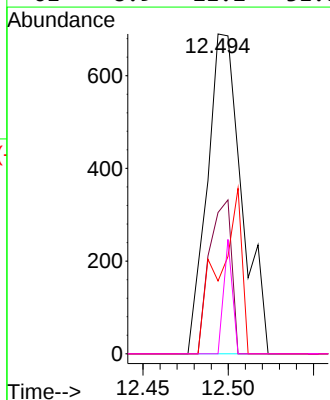
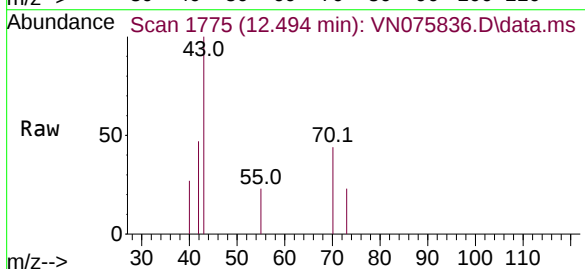
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

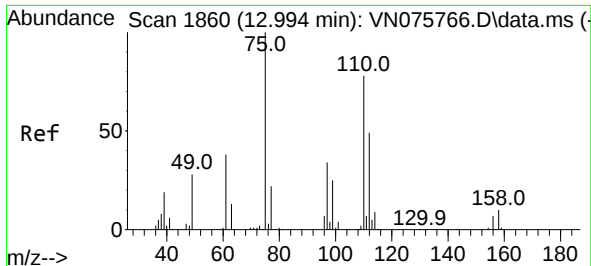
Tgt Ion:152 Resp: 182497
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.4
150 157.3 0.0 347.0



#74
N-ethyl acetate
Concen: 0.252 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
70 30.7 41.4 62.0#
55 33.5 21.3 31.9#
61 8.9 21.2 31.8#

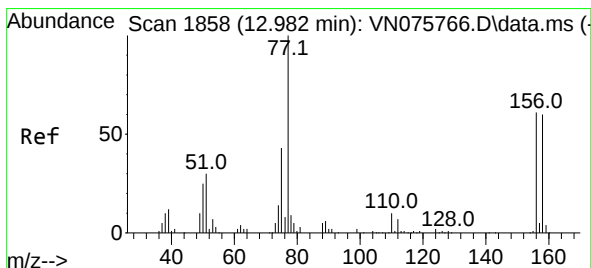
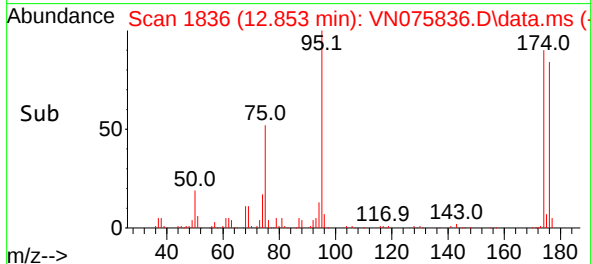
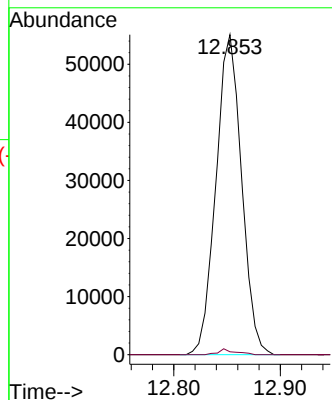
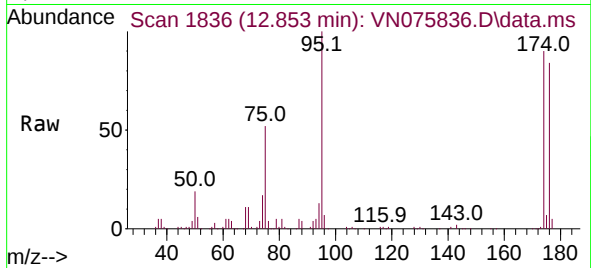




#76
1,2,3-Trichloropropane
Concen: 24.993 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

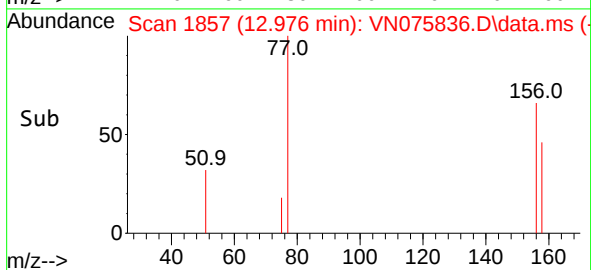
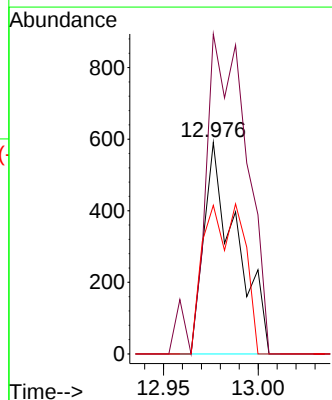
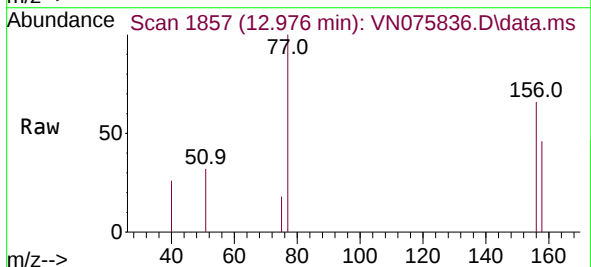
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

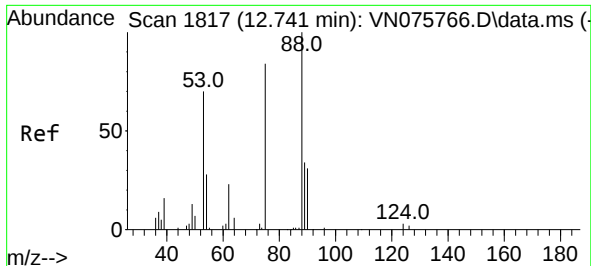
Tgt Ion: 75 Resp: 91940
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#77
Bromobenzene
Concen: 0.210 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion:156 Resp: 701
Ion Ratio Lower Upper
156 100
77 193.2 93.8 281.3
158 87.3 48.9 146.6

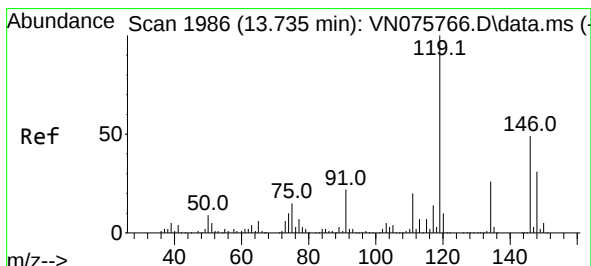
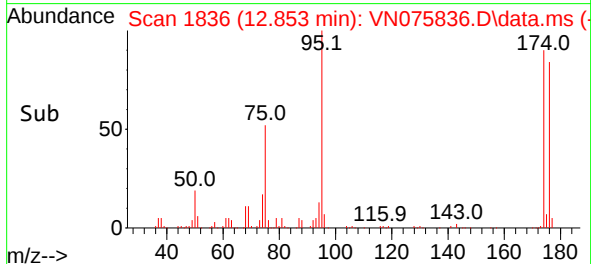
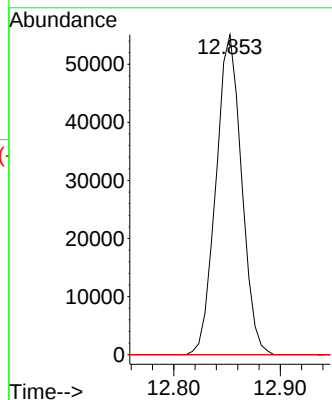
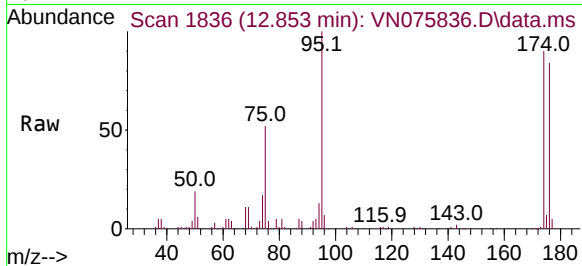




#81
trans-1,4-Dichloro-2-butene
Concen: 89.961 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

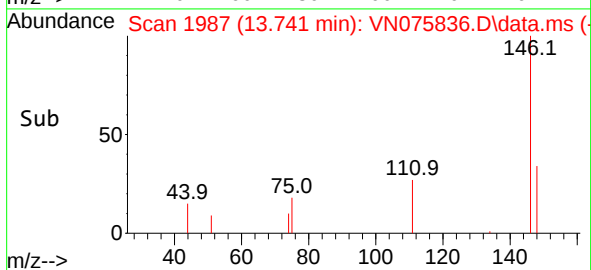
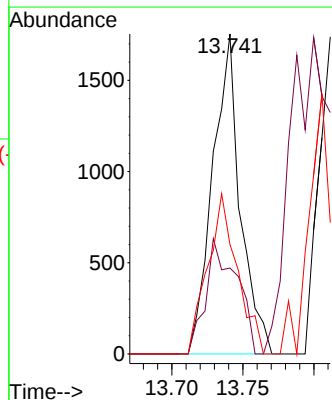
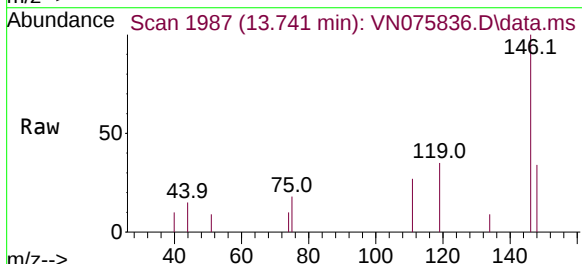
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

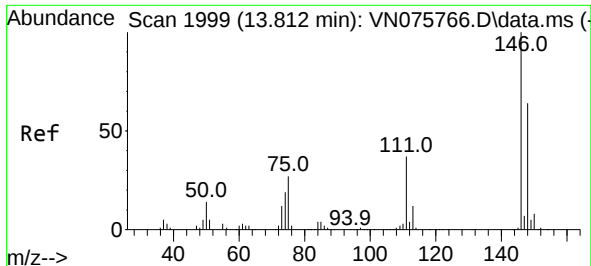
Tgt Ion: 75 Resp: 91940
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.384 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion:146 Resp: 2367
Ion Ratio Lower Upper
146 100
111 40.3 19.7 59.0
148 53.7 31.4 94.2

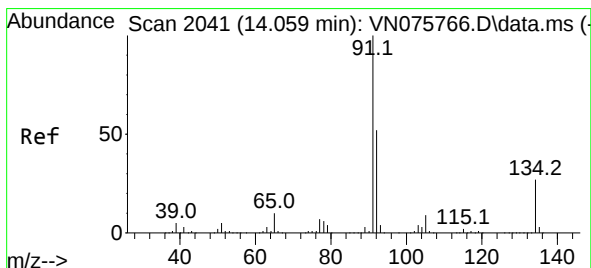
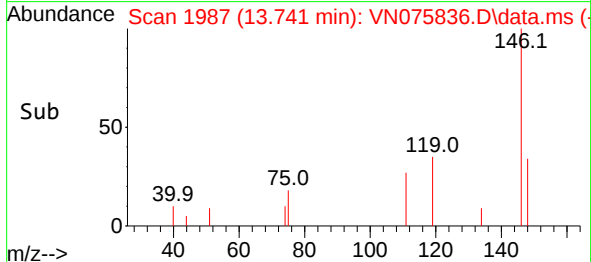
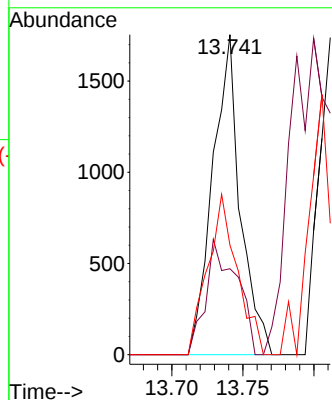
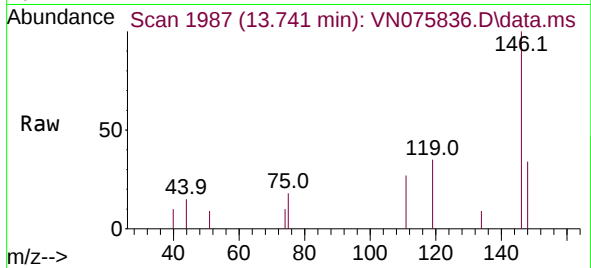




#88
1,4-Dichlorobenzene
Concen: 0.376 ug/l
RT: 13.741 min Scan# 1999
Delta R.T. -0.071 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

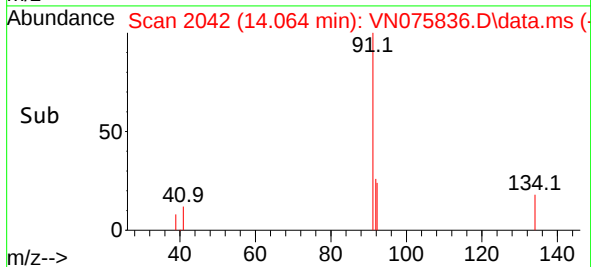
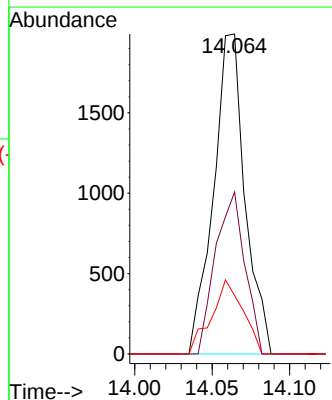
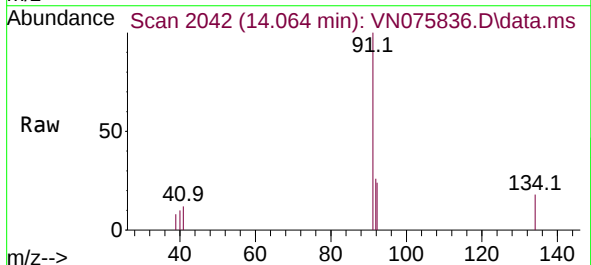
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

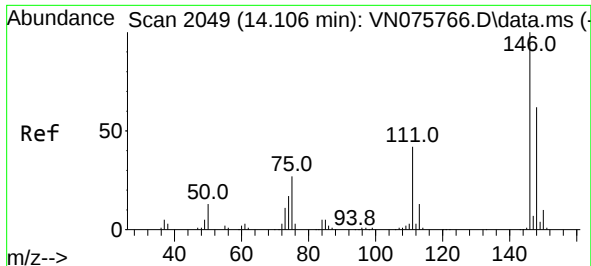
Tgt Ion:146 Resp: 2367
Ion Ratio Lower Upper
146 100
111 40.3 19.1 57.1
148 53.7 32.0 96.2



#89
n-Butylbenzene
Concen: 0.311 ug/l
RT: 14.064 min Scan# 2042
Delta R.T. 0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion: 91 Resp: 2818
Ion Ratio Lower Upper
91 100
92 47.1 26.4 79.2
134 23.1 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.345 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

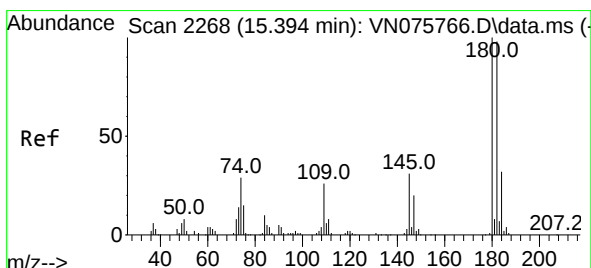
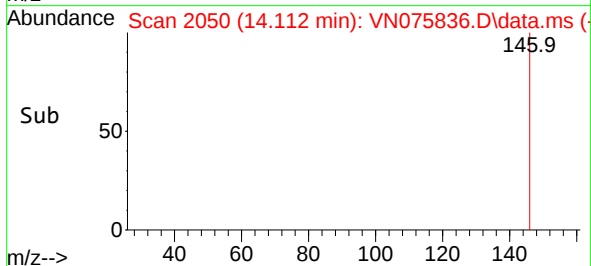
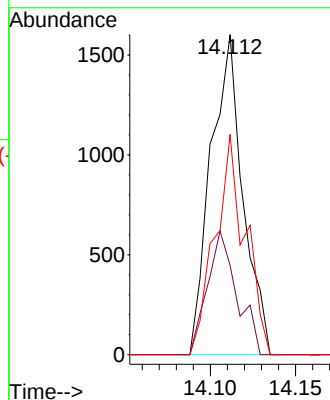
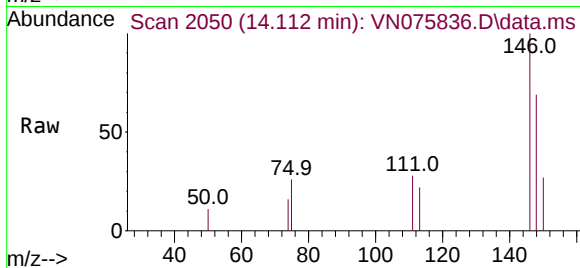
Tgt Ion:146 Resp: 2097

Ion Ratio Lower Upper

146 100

111 35.4 20.3 61.0

148 64.8 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 1.080 ug/l

RT: 15.394 min Scan# 2268

Delta R.T. -0.000 min

Lab File: VN075836.D

Acq: 16 Dec 2022 10:28

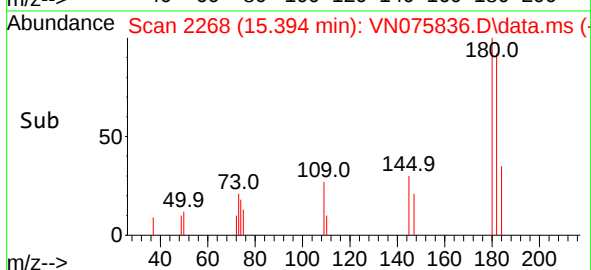
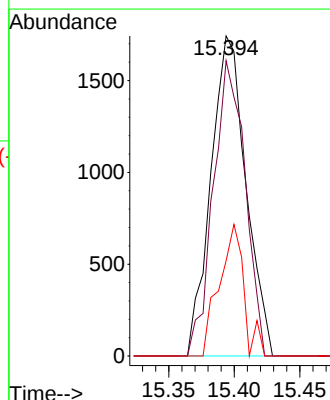
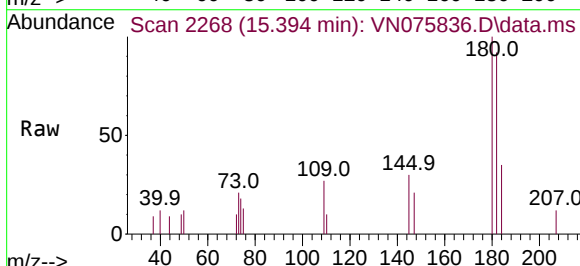
Tgt Ion:180 Resp: 3248

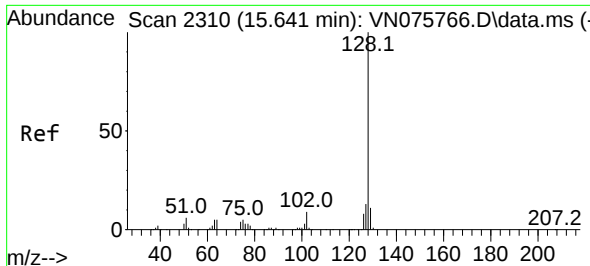
Ion Ratio Lower Upper

180 100

182 83.5 47.5 142.5

145 28.7 15.3 45.8

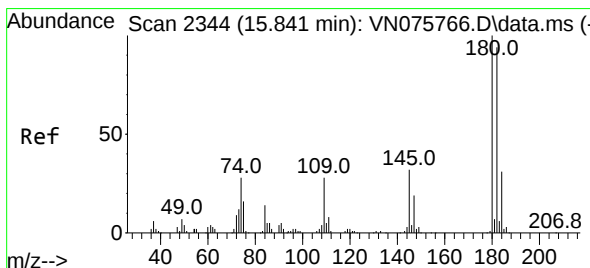
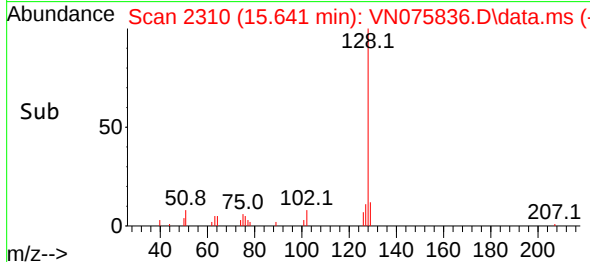
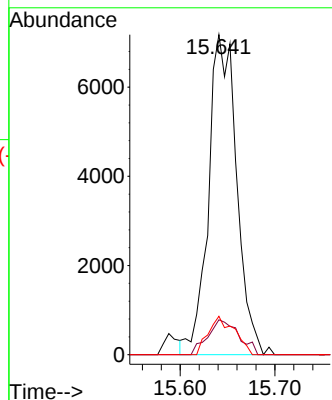
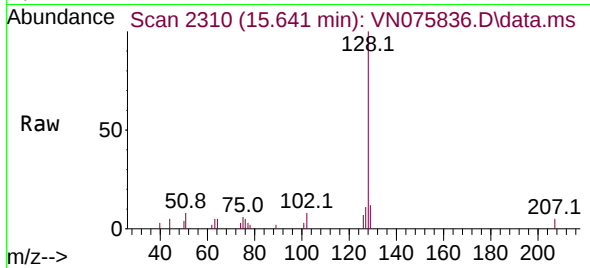




#95
Naphthalene
Concen: 3.610 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

Tgt Ion:	128	Resp:	14872
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.4	15.6
129	11.1	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.326 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN075836.D
Acq: 16 Dec 2022 10:28

Tgt Ion:	180	Resp:	3727
Ion Ratio	Lower	Upper	
180	100		
182	80.5	47.0	141.0
145	31.1	16.0	47.9

