

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075810.D
 Acq On : 15 Dec 2022 12:02
 Operator : JC\MD
 Sample : VN1215WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBL01

Quant Time: Dec 16 03:06:51 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)

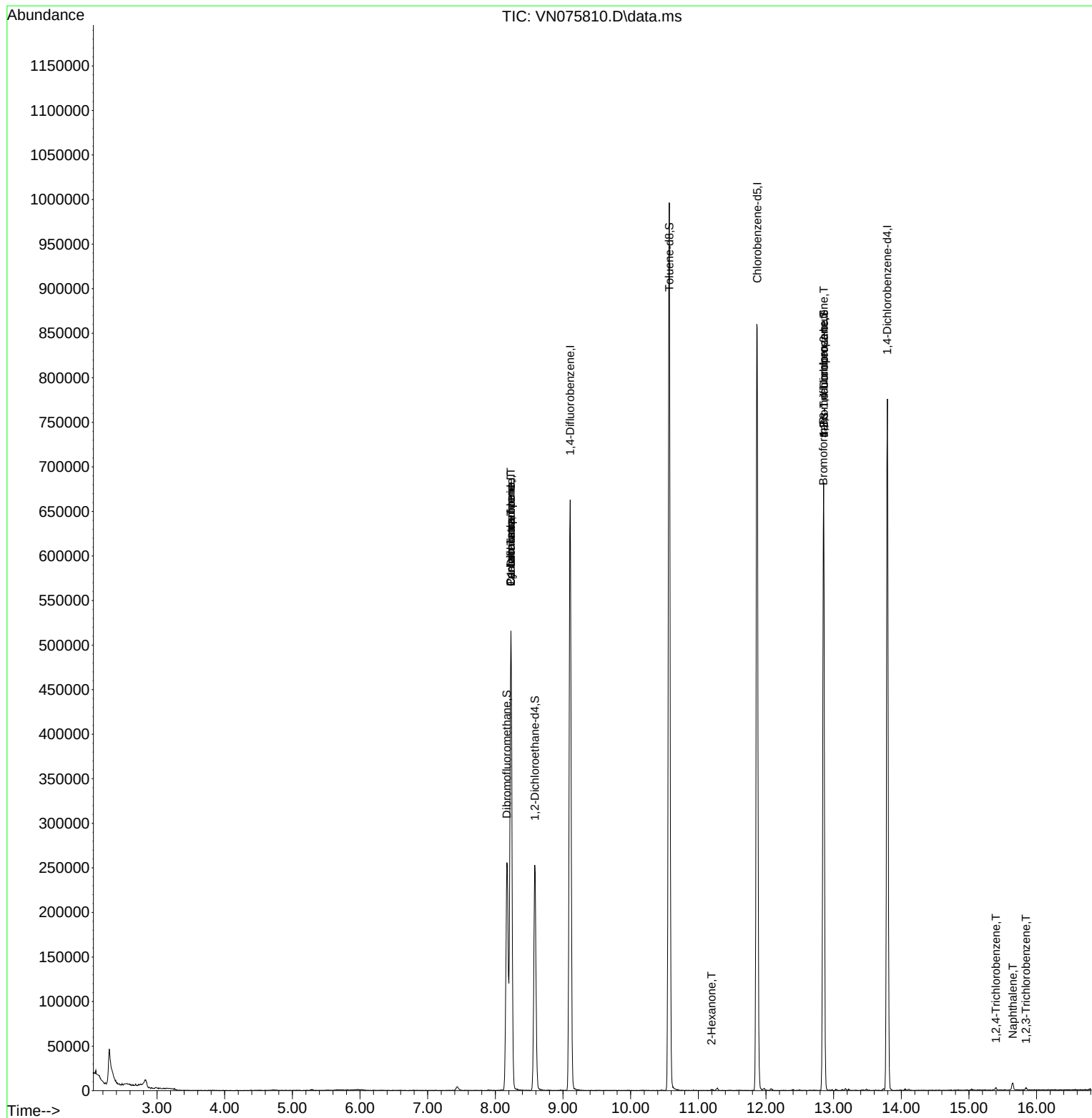
Internal Standards						
1) Pentafluorobenzene	8.230	168	399026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	622076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	545905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	201350	46.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.760%
35) Dibromofluoromethane	8.171	113	185382	48.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.240%
50) Toluene-d8	10.571	98	713991	49.570	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.853	95	228591	47.916	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	293	Below Cal	#	57
31) Cyclohexane	8.230	56	7165	1.152	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	27663	5.406	ug/l #	48
38) Carbon Tetrachloride	8.230	117	38816	6.777	ug/l #	16
59) 2-Hexanone	11.194	43	1031	0.345	ug/l	78
71) Bromoform	12.847	173	1736	0.575	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	117364	26.391	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	117364	94.994	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.400	180	1255	0.345	ug/l	95
95) Naphthalene	15.647	128	8858	2.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	1287	0.379	ug/l	96

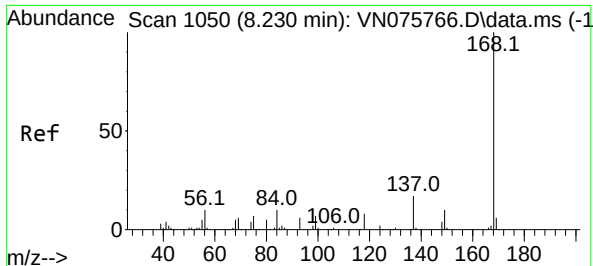
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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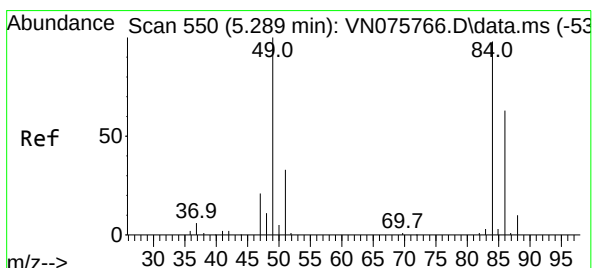
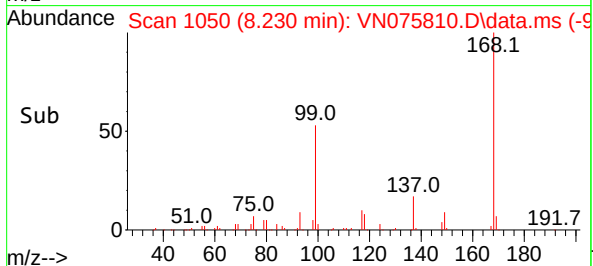
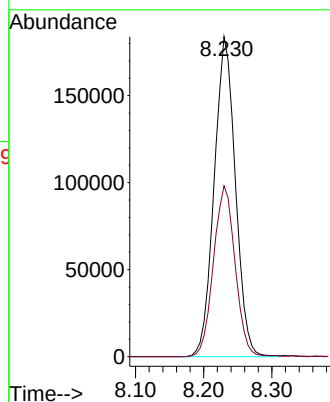
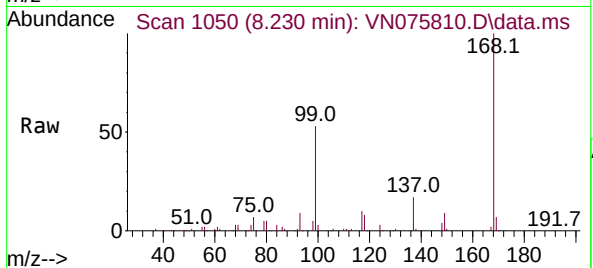




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

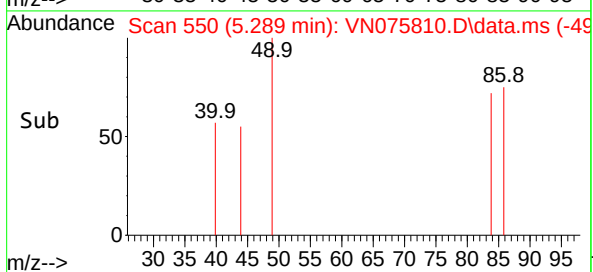
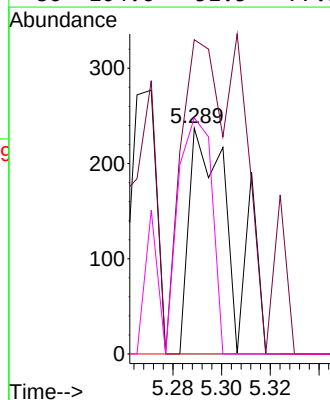
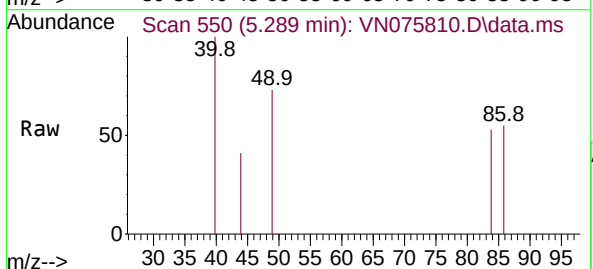
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

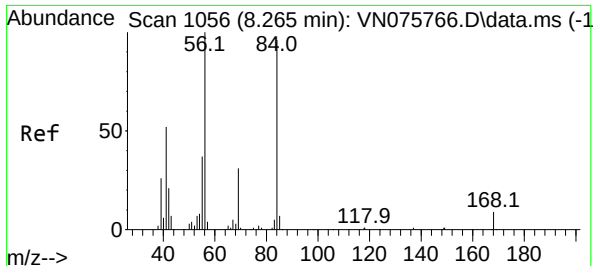
Tgt Ion:168 Resp: 399026
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

Tgt Ion: 84 Resp: 293
Ion Ratio Lower Upper
84 100
49 68.8 81.8 122.6#
51 0.0 26.7 40.1#
86 104.6 51.5 77.3#





#31

Cyclohexane

Concen: 1.152 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075810.D

Acq: 15 Dec 2022 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBL01

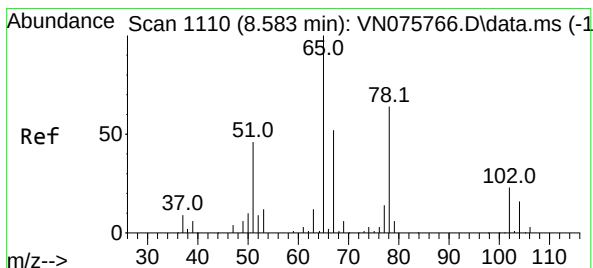
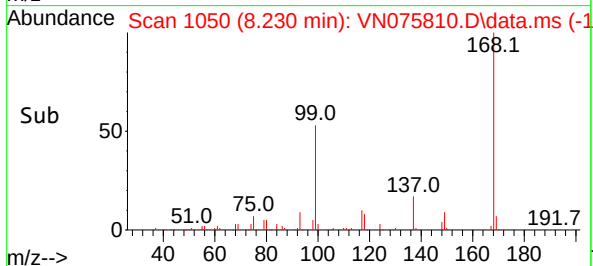
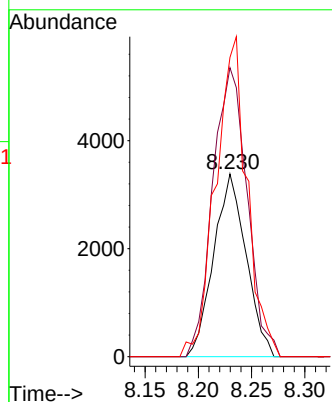
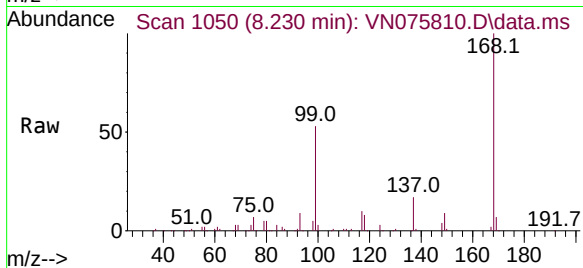
Tgt Ion: 56 Resp: 7165

Ion Ratio Lower Upper

56 100

69 158.2 24.7 37.1#

84 163.8 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 46.383 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075810.D

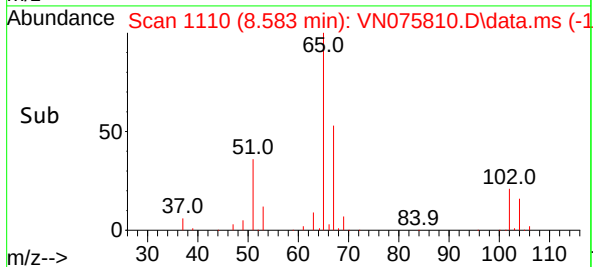
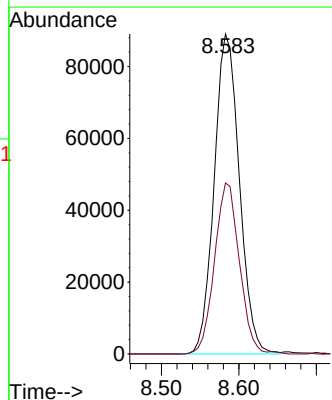
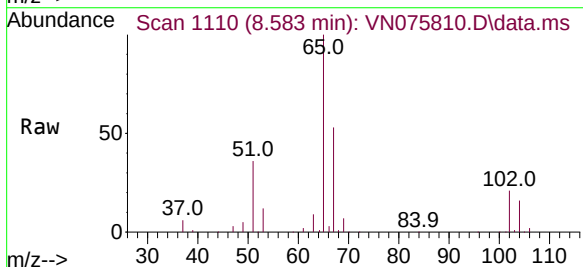
Acq: 15 Dec 2022 12:02

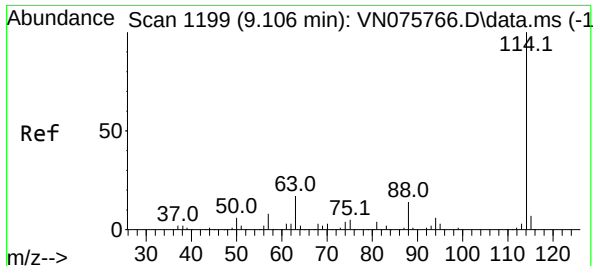
Tgt Ion: 65 Resp: 201350

Ion Ratio Lower Upper

65 100

67 52.8 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: VN075810.D

Acq: 15 Dec 2022 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBL01

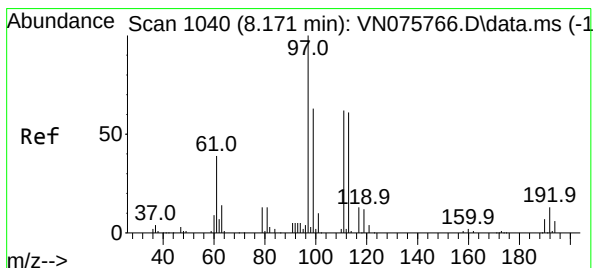
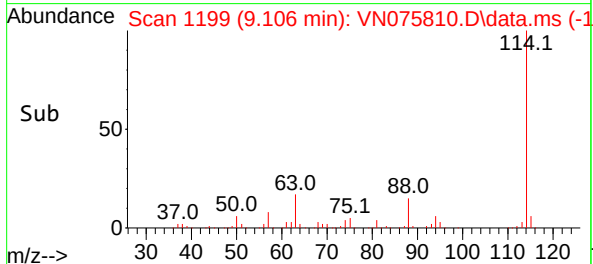
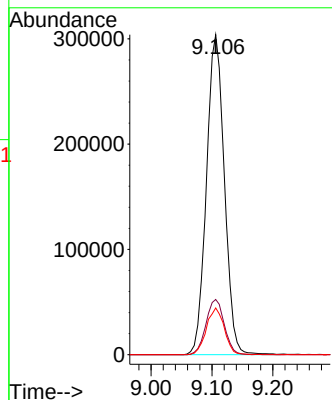
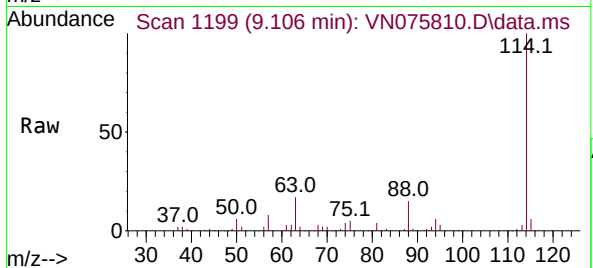
Tgt Ion:114 Resp: 622076

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.4

88 14.6 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.121 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075810.D

Acq: 15 Dec 2022 12:02

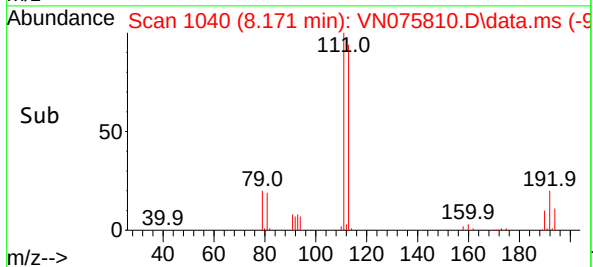
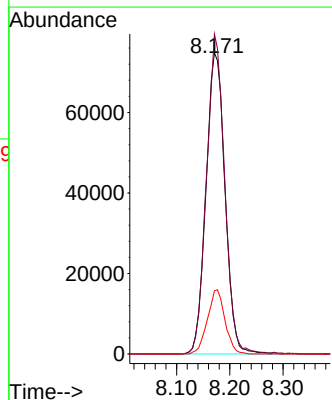
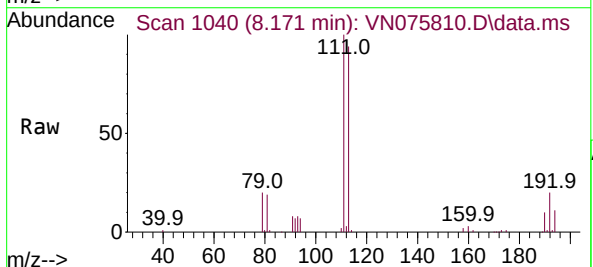
Tgt Ion:113 Resp: 185382

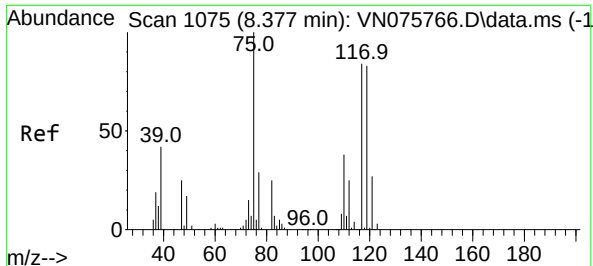
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 19.7 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.406 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075810.D

Acq: 15 Dec 2022 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1215WBL01

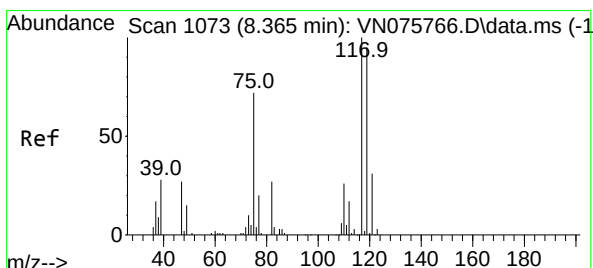
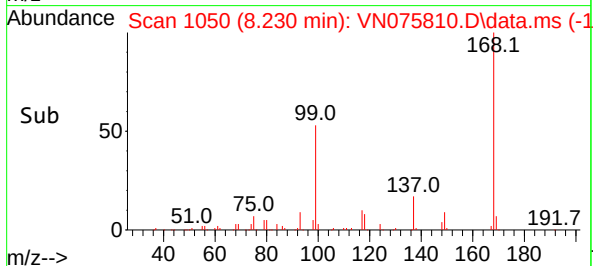
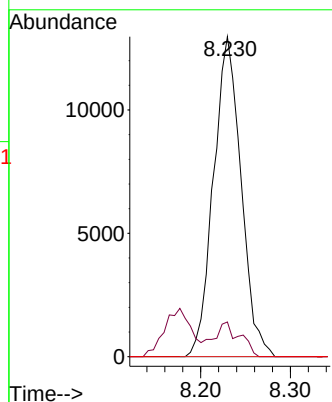
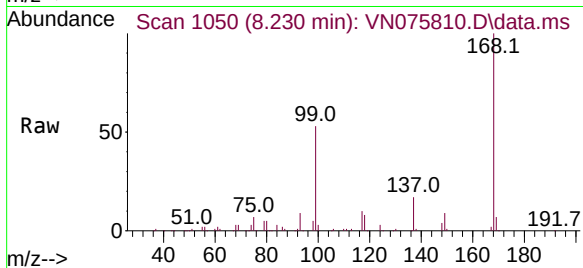
Tgt Ion: 75 Resp: 27663

Ion Ratio Lower Upper

75 100

110 8.5 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.777 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075810.D

Acq: 15 Dec 2022 12:02

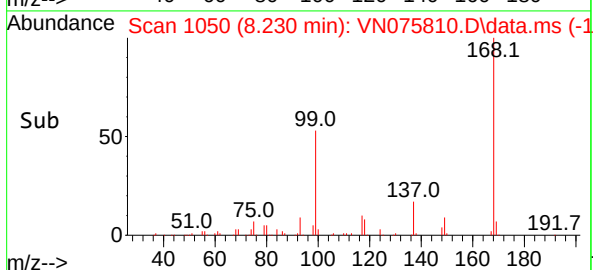
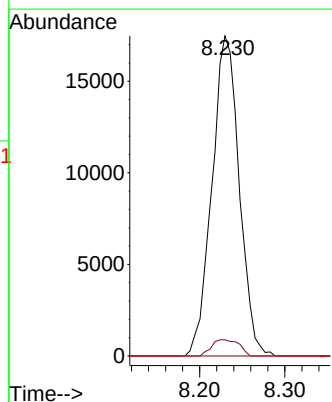
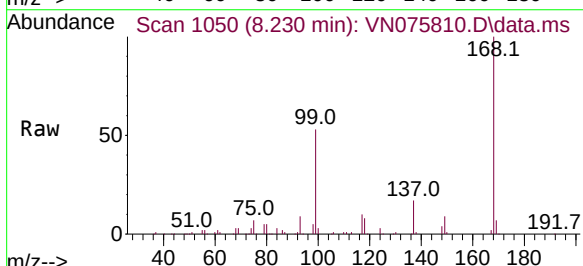
Tgt Ion: 117 Resp: 38816

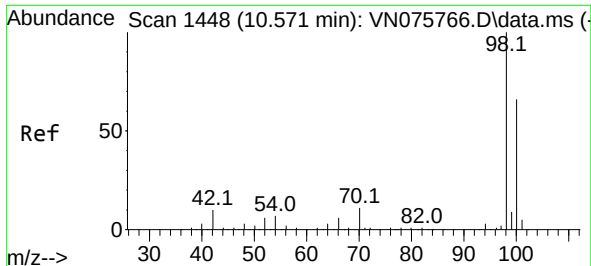
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.5 36.7#

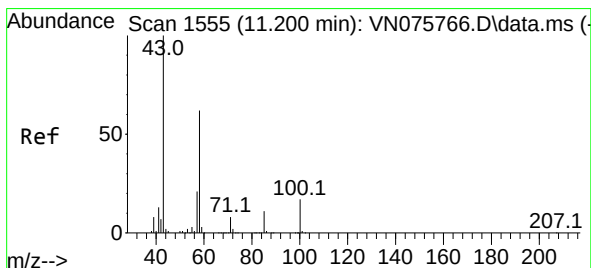
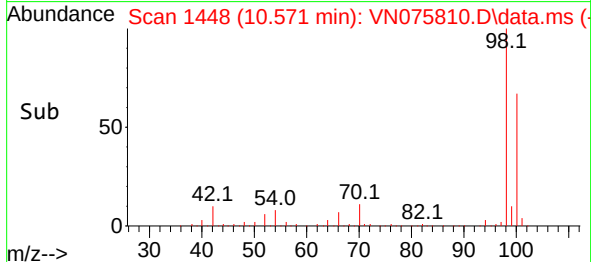
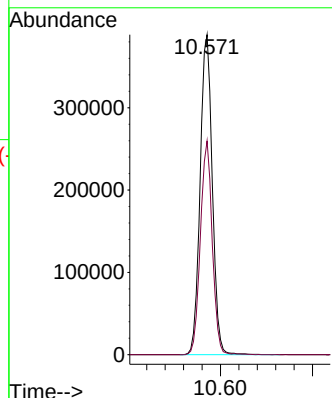
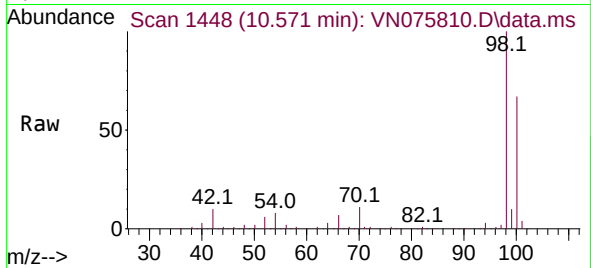




#50
Toluene-d8
Concen: 49.570 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

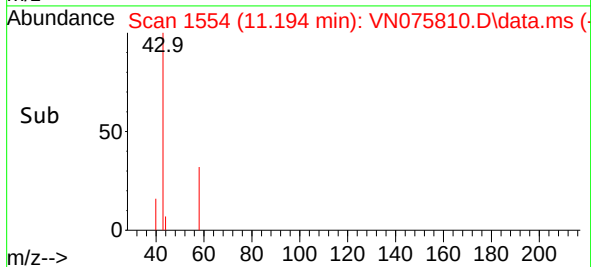
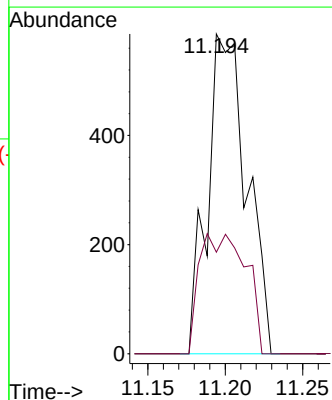
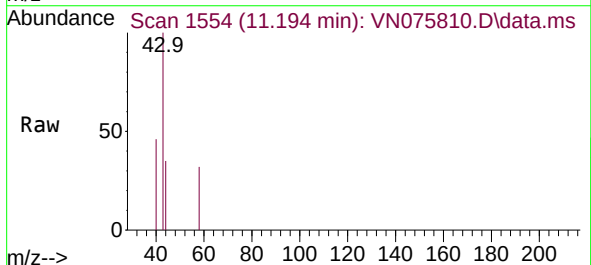
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

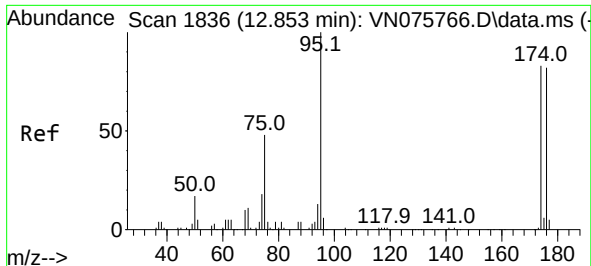
Tgt Ion: 98 Resp: 713991
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#59
2-Hexanone
Concen: 0.345 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

Tgt Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
58 44.6 30.6 92.0

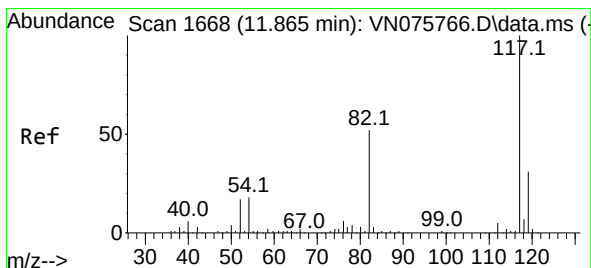
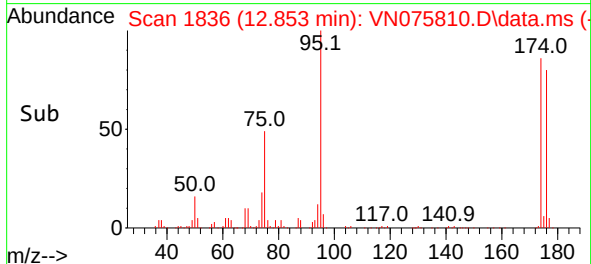
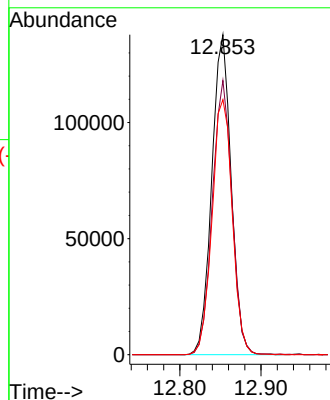
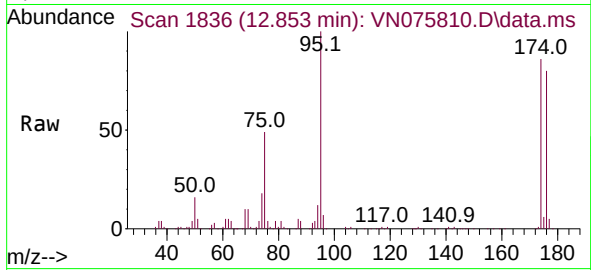




#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

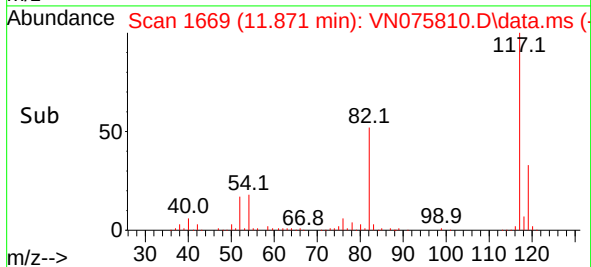
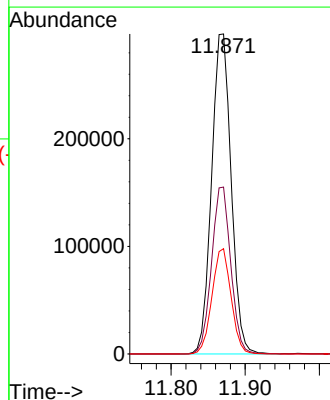
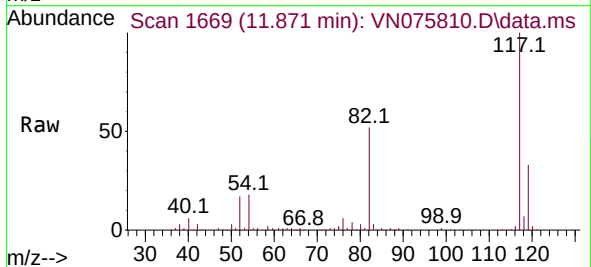
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

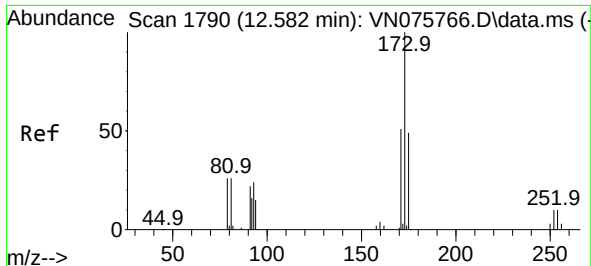
Tgt Ion: 95 Resp: 228591
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 83.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

Tgt Ion: 117 Resp: 545905
Ion Ratio Lower Upper
117 100
82 52.2 41.3 61.9
119 32.9 24.6 37.0

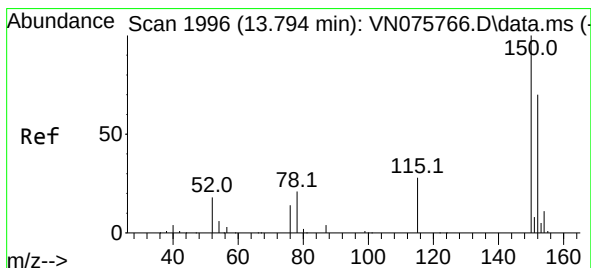
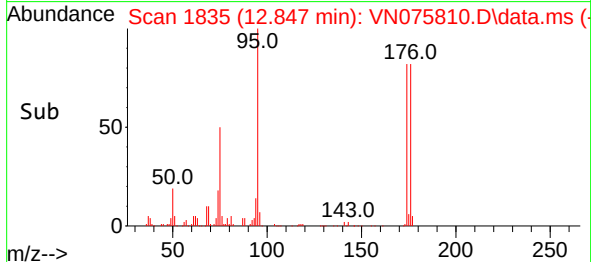
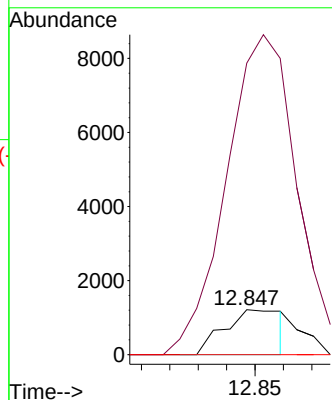
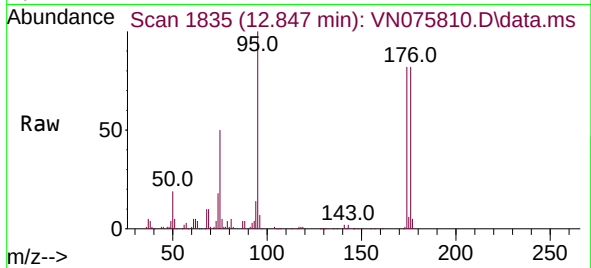




#71
Bromoform
Concen: 0.575 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

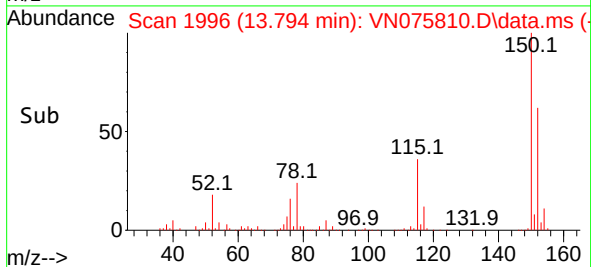
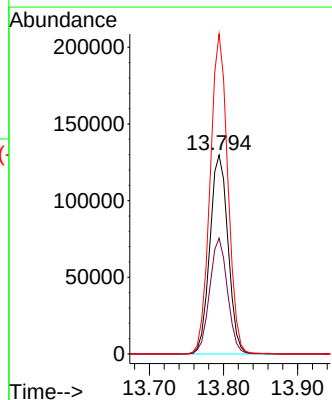
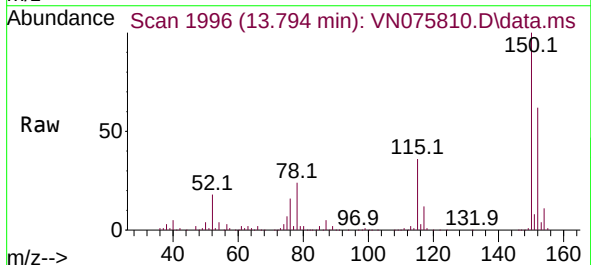
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

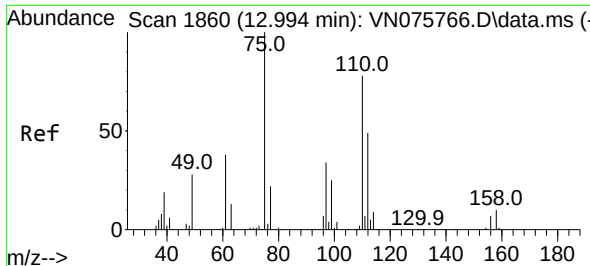
Tgt Ion:173 Resp: 1736
Ion Ratio Lower Upper
173 100
175 695.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

Tgt Ion:152 Resp: 220620
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 156.9 0.0 347.0

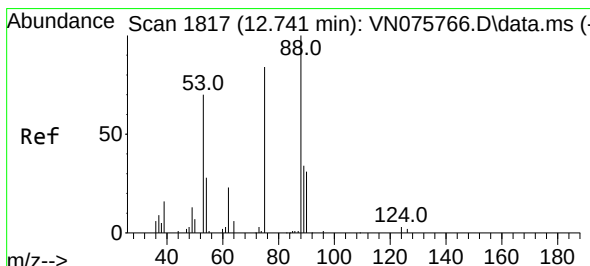
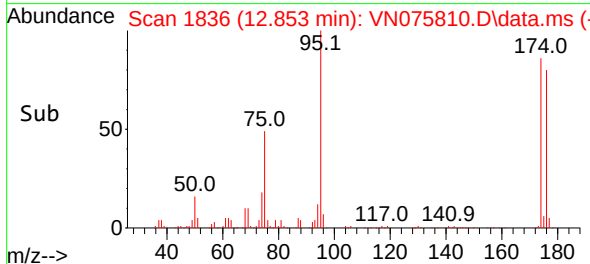
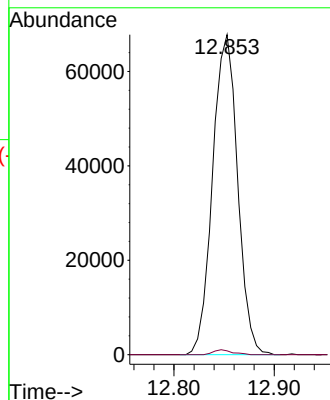
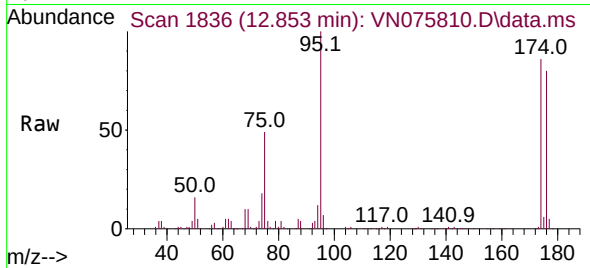




#76
1,2,3-Trichloropropane
Concen: 26.391 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

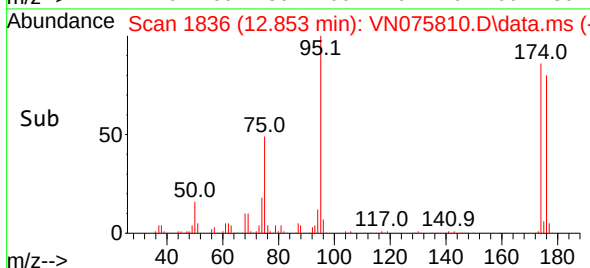
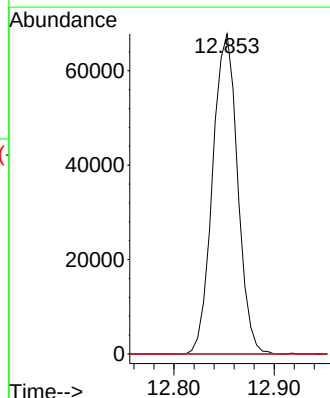
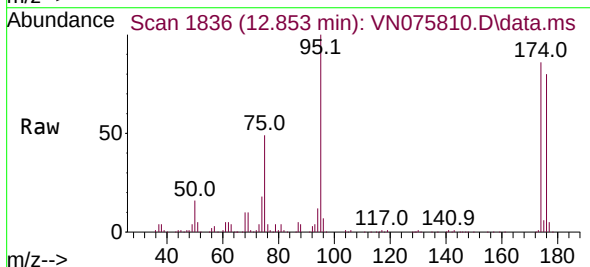
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

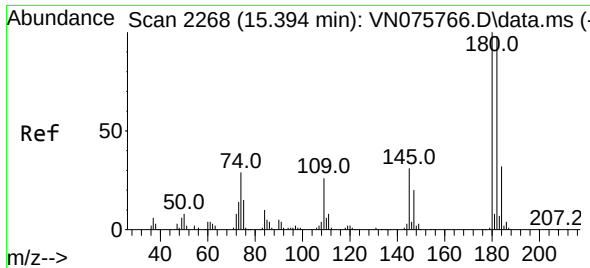
Tgt Ion: 75 Resp: 117364
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.994 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

Tgt Ion: 75 Resp: 117364
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

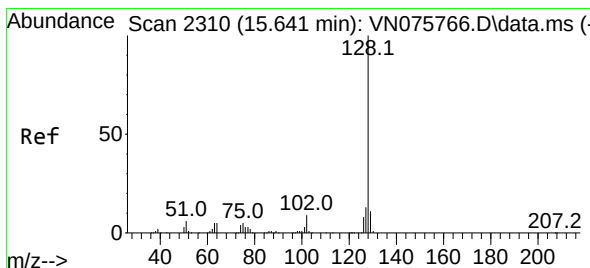
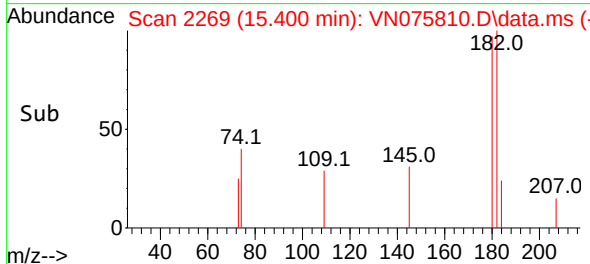
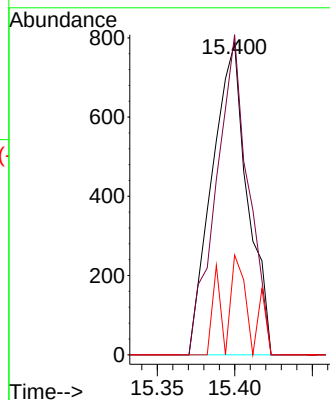
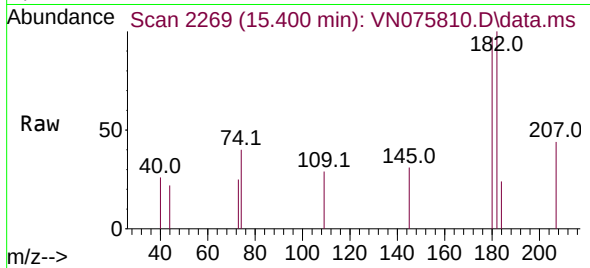




#93
1,2,4-Trichlorobenzene
Concen: 0.345 ug/l
RT: 15.400 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

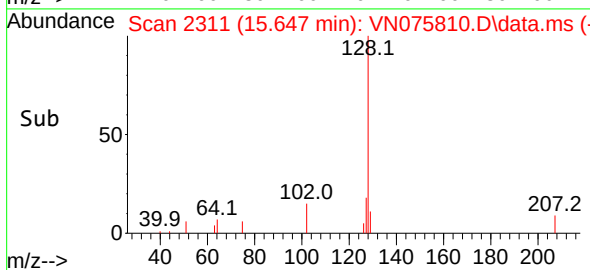
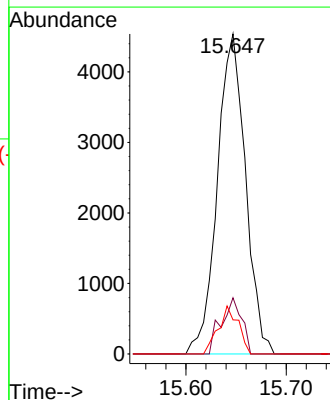
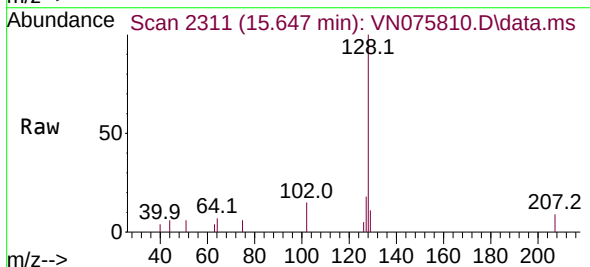
Instrument :
MSVOA_N
ClientSampleId :
VN1215WBL01

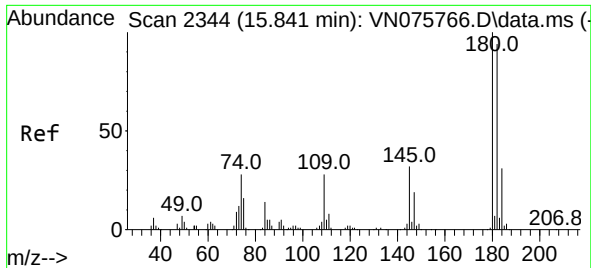
Tgt Ion:180 Resp: 1255
Ion Ratio Lower Upper
180 100
182 93.1 47.5 142.5
145 23.4 15.3 45.8



#95
Naphthalene
Concen: 2.883 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075810.D
Acq: 15 Dec 2022 12:02

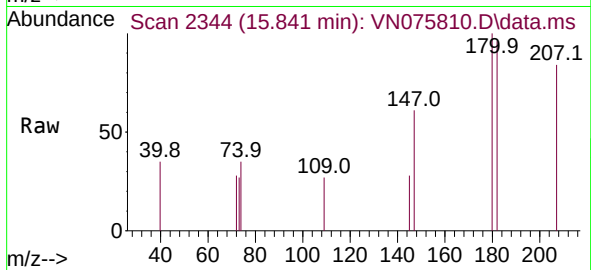
Tgt Ion:128 Resp: 8858
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.379 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN075810.D
 Acq: 15 Dec 2022 12:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1215WBL01



Tgt Ion:	180	Resp:	1287
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	24.2	16.0	47.9

