

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083912.D
 Acq On : 16 Sep 2024 13:03
 Operator : JC\MD
 Sample : P3874-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:30:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

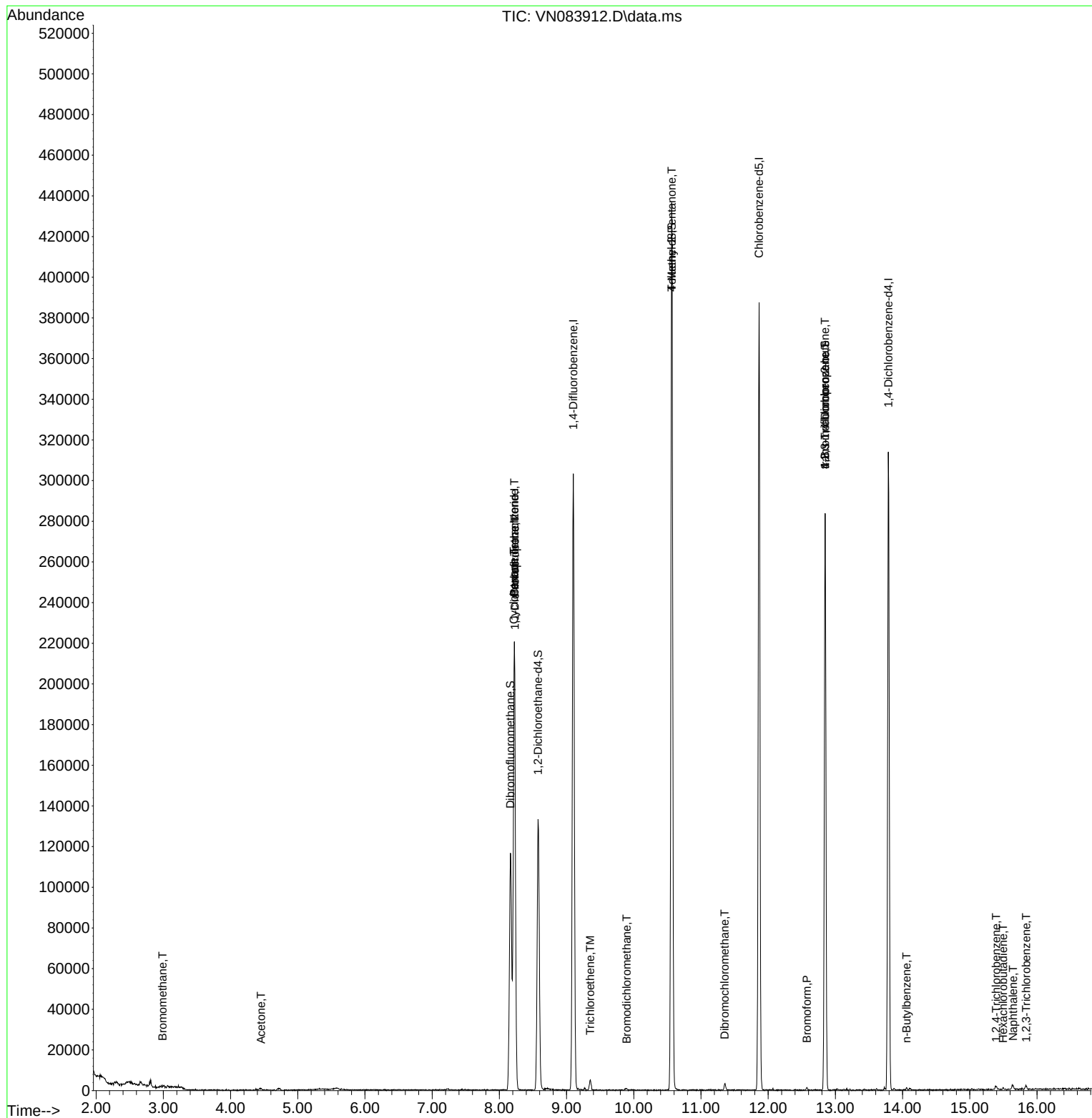
Internal Standards						
1) Pentafluorobenzene	8.224	168	147073	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	77901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114801	51.767	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.540%	
35) Dibromofluoromethane	8.165	113	81642	51.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.460%	
50) Toluene-d8	10.565	98	291022	53.339	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.847	95	94270	41.878	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 83.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	603	Below Cal	#	41
5) Bromomethane	2.989	94	367	0.341	ug/l #	2
16) Acetone	4.453	43	1523	1.713	ug/l	100
31) Cyclohexane	8.218	56	4236	1.322	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	14171	5.966	ug/l #	51
38) Carbon Tetrachloride	8.224	117	17194	6.380	ug/l #	17
44) Trichloroethene	9.353	130	1978	1.195	ug/l	90
47) Bromodichloromethane	9.894	83	950	0.363	ug/l #	94
51) 4-Methyl-2-Pentanone	10.565	43	1510	0.710	ug/l #	1
60) Dibromochloromethane	11.353	129	2189	1.198	ug/l	85
71) Bromoform	12.576	173	728	0.688	ug/l #	74
76) 1,2,3-Trichloropropane	12.847	75	55444	35.272	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55444	92.381	ug/l #	9
89) n-Butylbenzene	14.059	91	888	0.200	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	901	0.635	ug/l #	81
94) Hexachlorobutadiene	15.494	225	295	0.490	ug/l #	65
95) Naphthalene	15.647	128	3034	0.703	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.841	180	939	0.693	ug/l	89

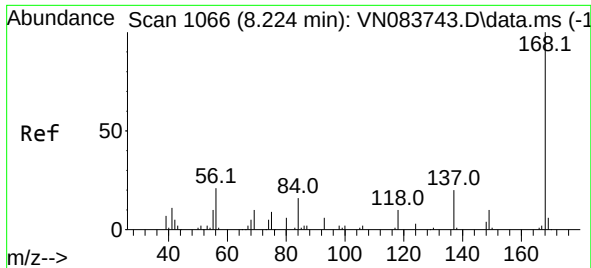
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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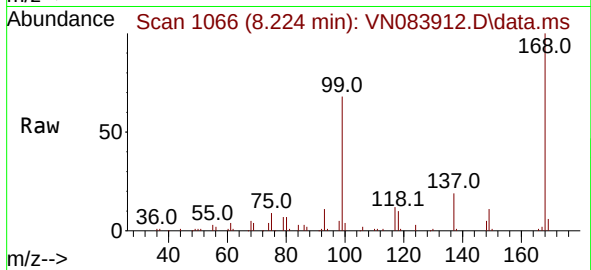
Quant Time: Sep 17 02:30:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



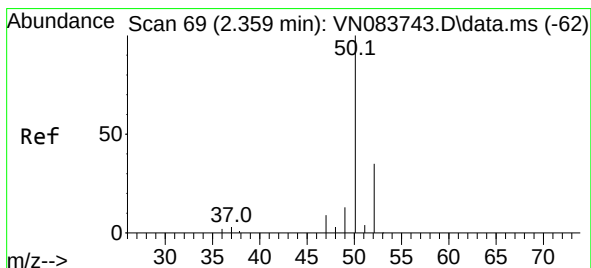
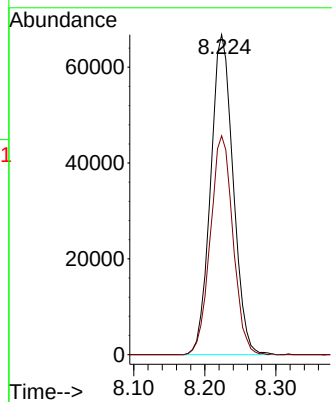
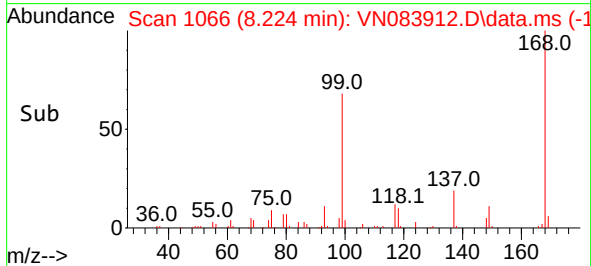


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Instrument :
MSVOA_N
ClientSampleId :

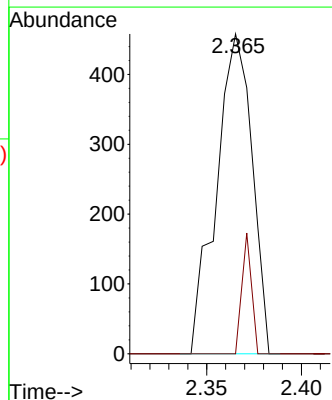
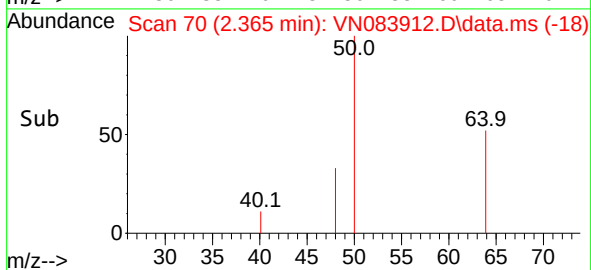
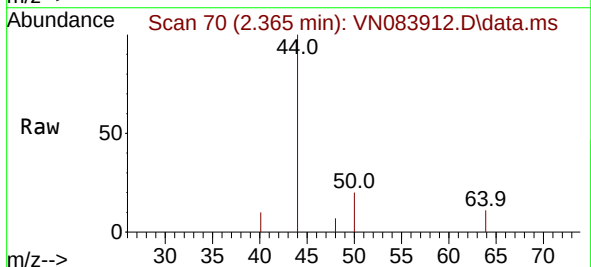


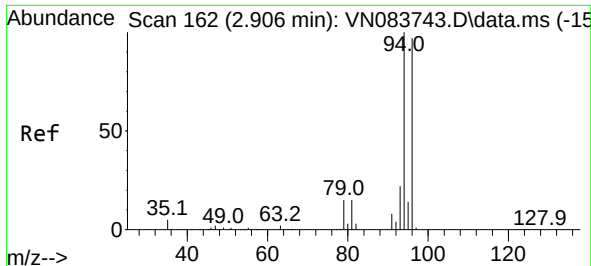
Tgt Ion:168 Resp: 147073
Ion Ratio Lower Upper
168 100
99 68.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 50 Resp: 603
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

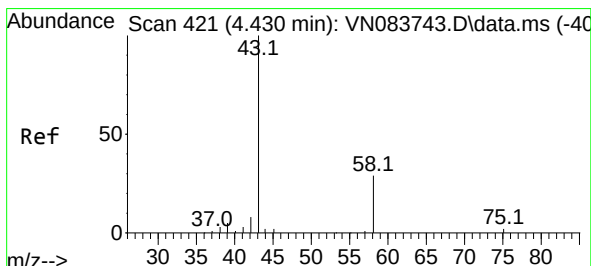
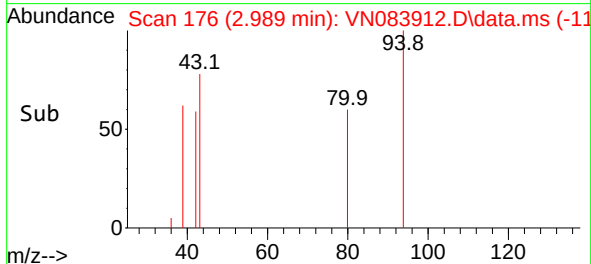
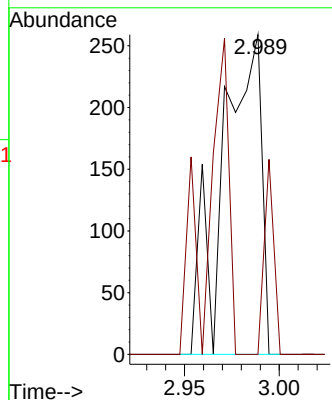
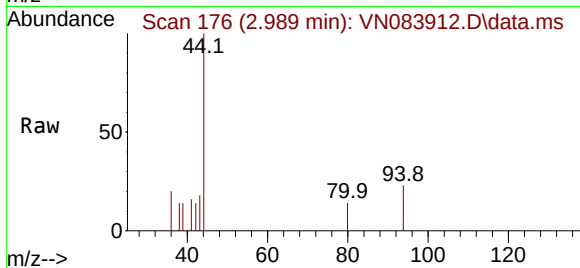




#5
Bromomethane
Concen: 0.341 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.082 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

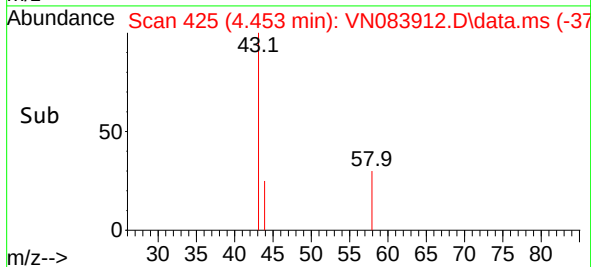
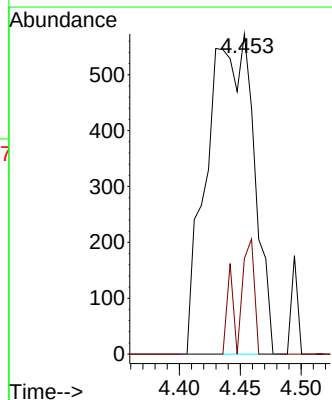
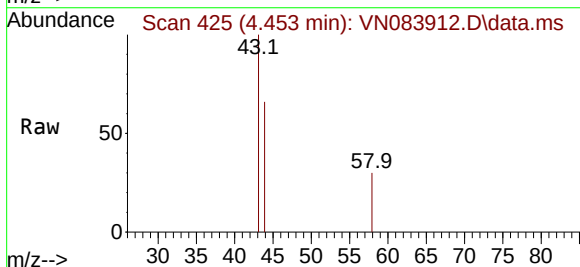
Instrument :
MSVOA_N
ClientSampleId :

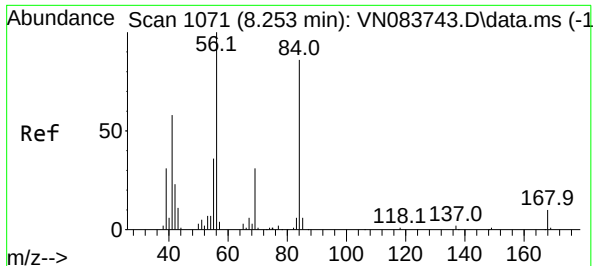
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#16
Acetone
Concen: 1.713 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 29.8 23.7 35.5





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

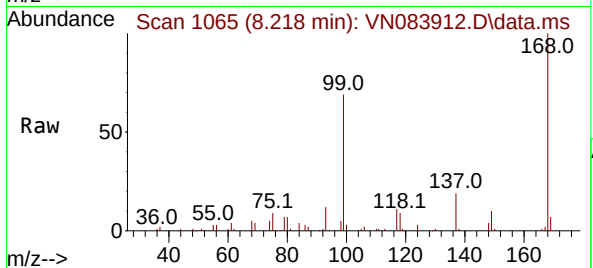
Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :



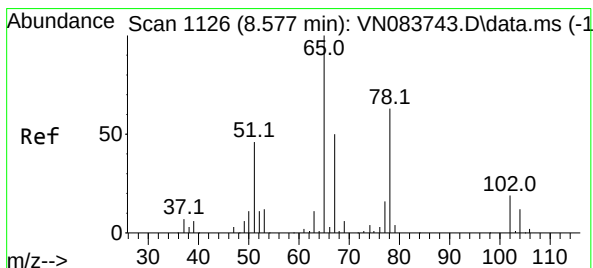
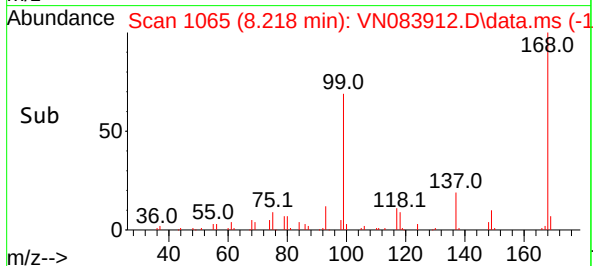
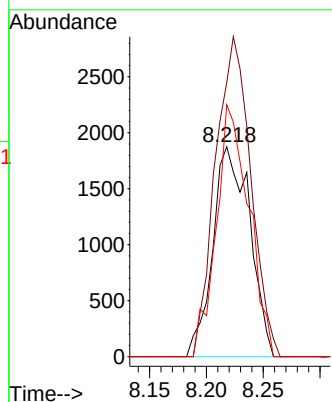
Tgt Ion: 56 Resp: 4236

Ion Ratio Lower Upper

56 100

69 130.6 26.9 40.3#

84 120.0 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 51.767 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083912.D

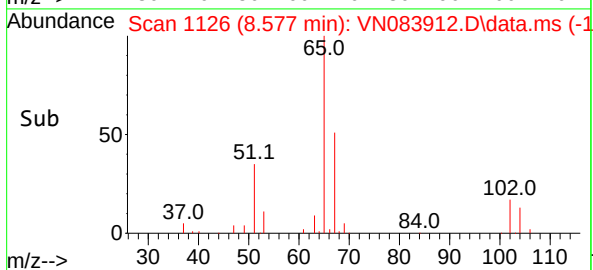
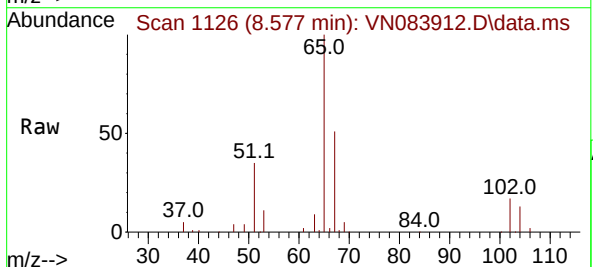
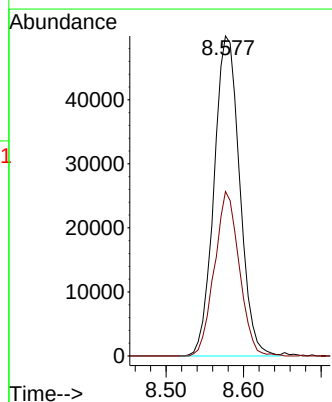
Acq: 16 Sep 2024 13:03

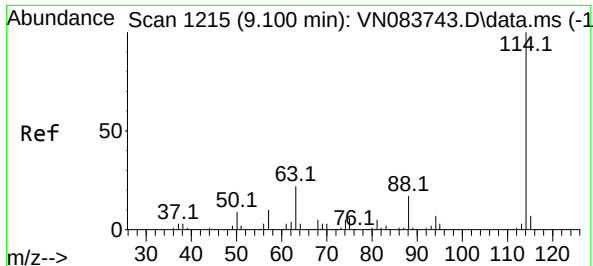
Tgt Ion: 65 Resp: 114801

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

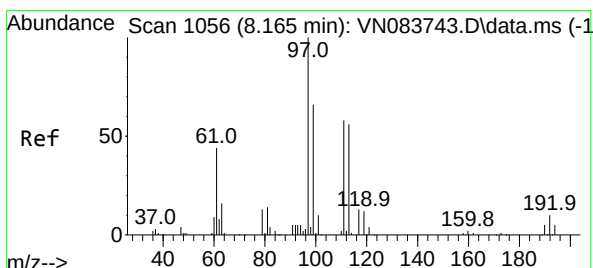
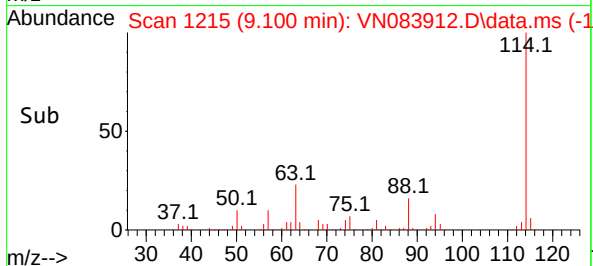
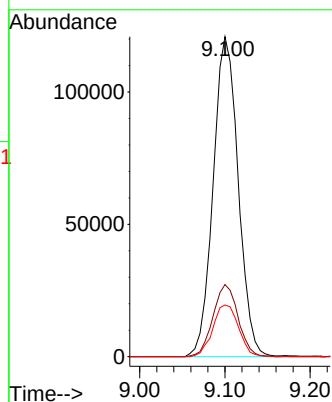
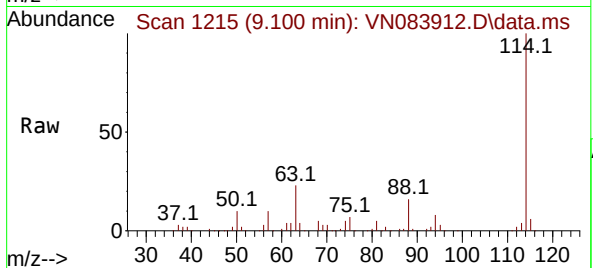
Tgt Ion:114 Resp: 246529

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.730 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

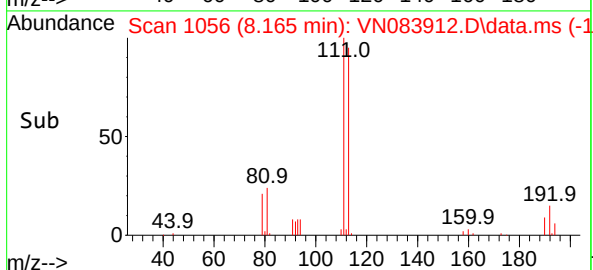
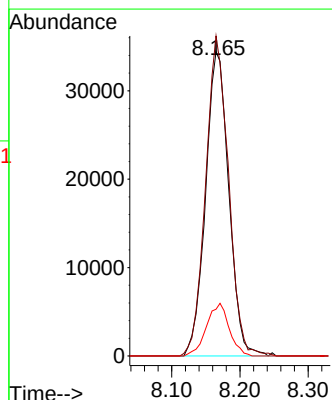
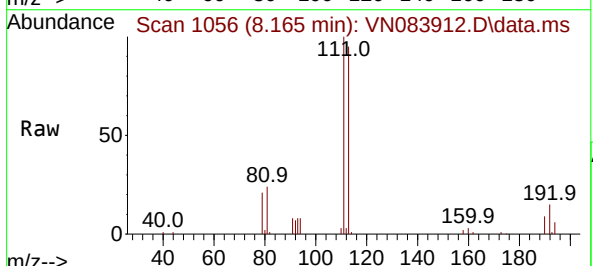
Tgt Ion:113 Resp: 81642

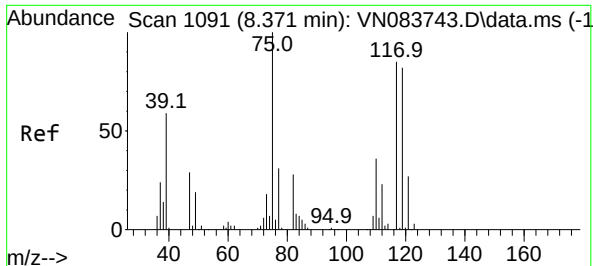
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.966 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

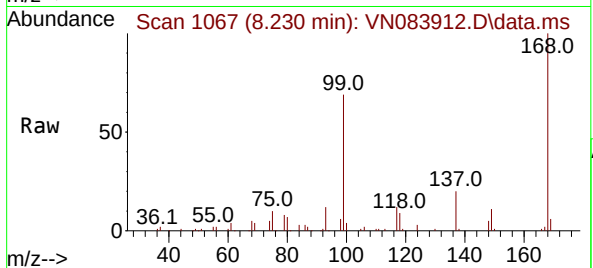
Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

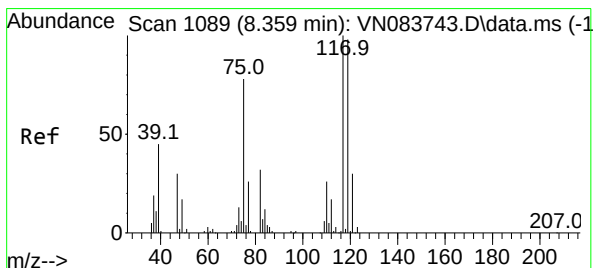
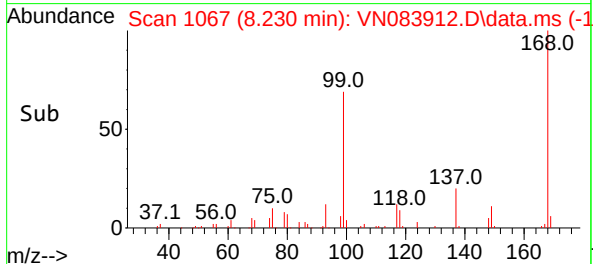
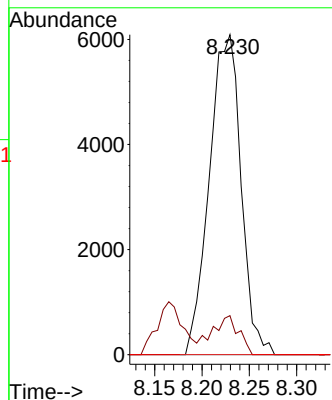
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14171
Ion Ratio	Lower	Upper	
75	100		
110	10.3	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 6.380 ug/l

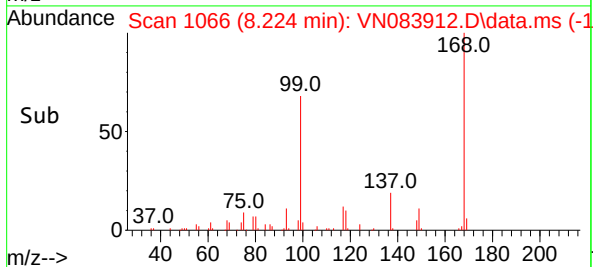
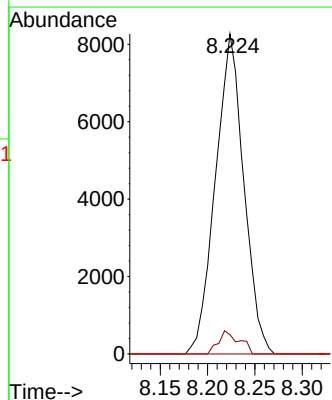
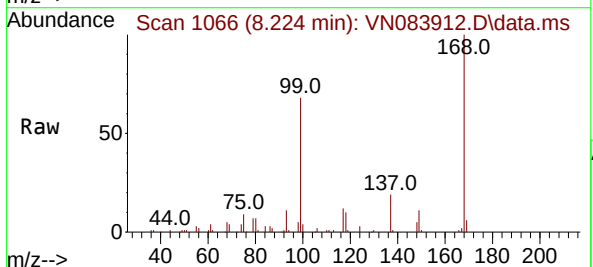
RT: 8.224 min Scan# 1066

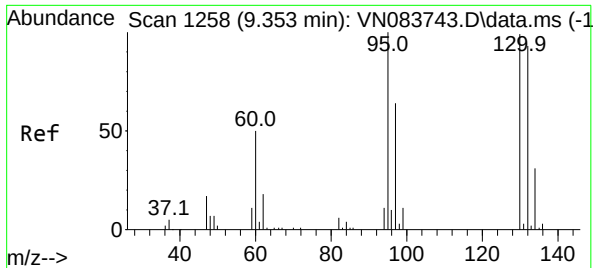
Delta R.T. -0.135 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Tgt Ion:	117	Resp:	17194
Ion Ratio	Lower	Upper	
117	100		
119	6.0	76.1	114.1#
121	0.0	24.1	36.1#

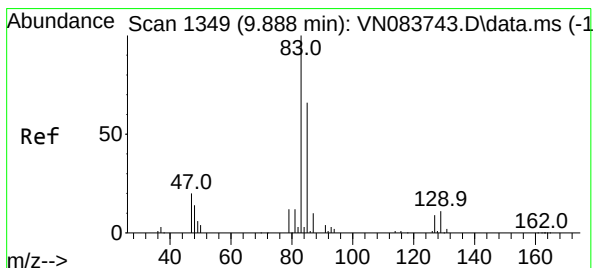
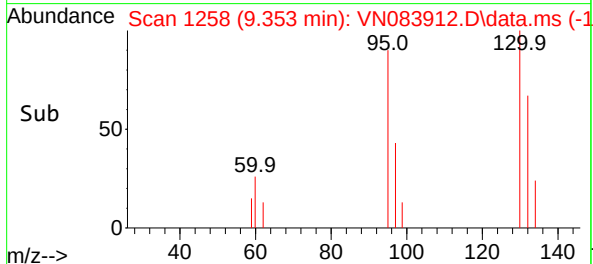
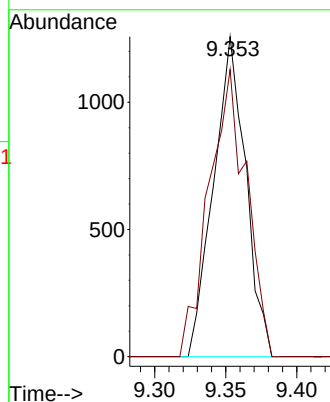
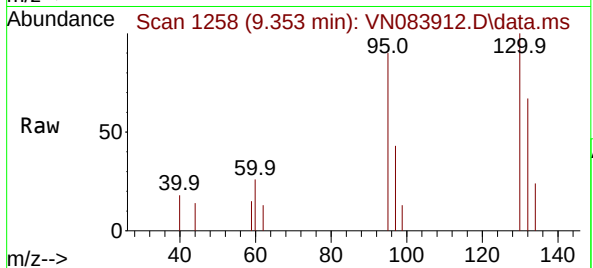




#44
Trichloroethene
Concen: 1.195 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

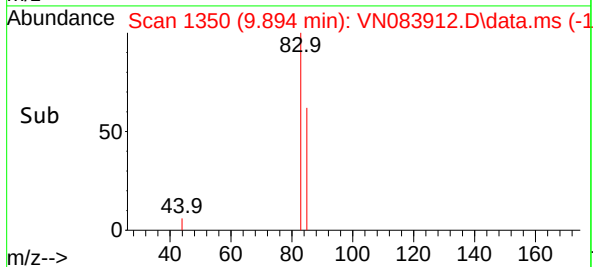
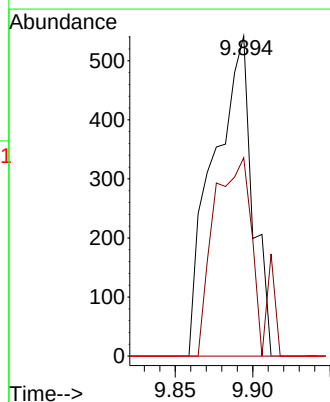
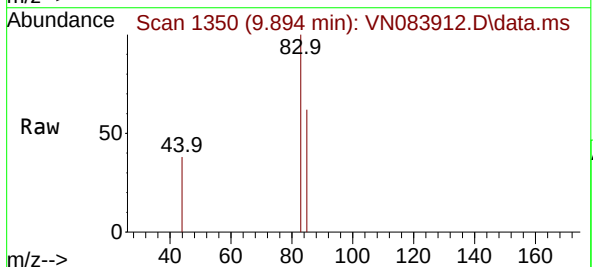
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MSVOA_N
ClientSampleId :

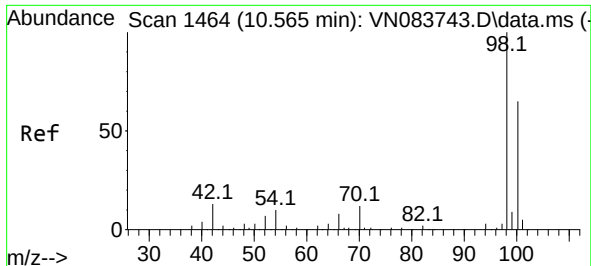
Tgt Ion:130 Resp: 1978
Ion Ratio Lower Upper
130 100
95 89.7 0.0 200.4



#47
Bromodichloromethane
Concen: 0.363 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 83 Resp: 950
Ion Ratio Lower Upper
83 100
85 62.0 51.8 77.8
127 0.0 6.6 9.8#

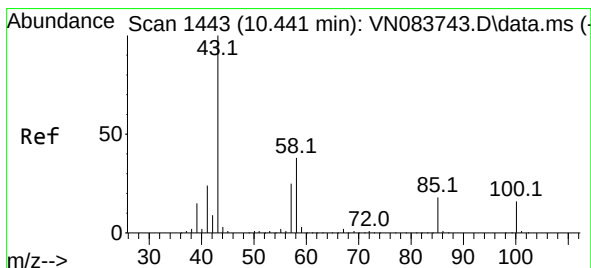
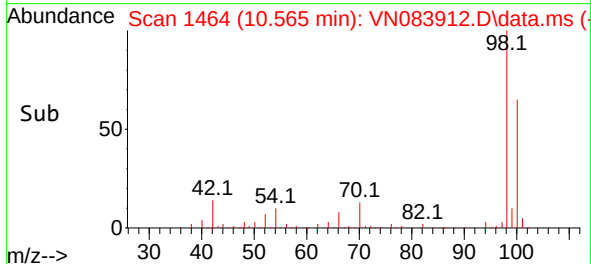
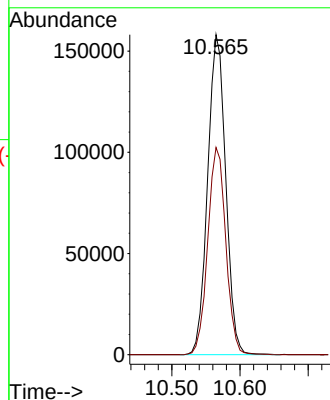
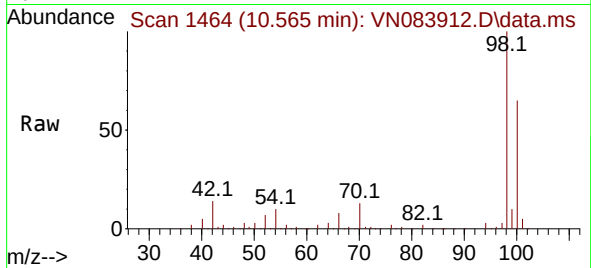




#50
Toluene-d8
Concen: 53.339 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

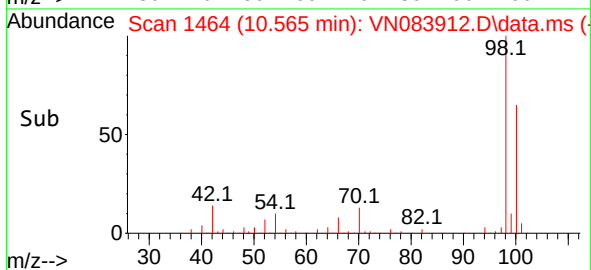
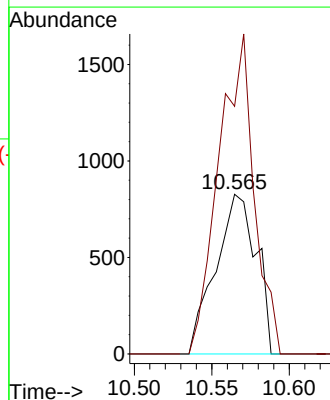
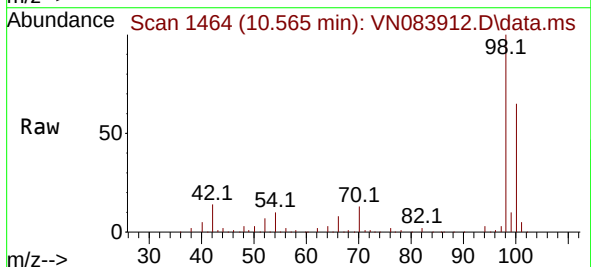
Instrument :
MSVOA_N
ClientSampleId :

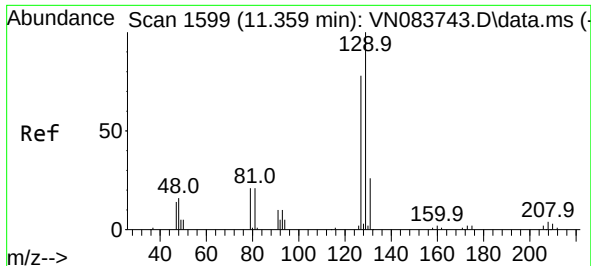
Tgt Ion: 98 Resp: 291022
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.710 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 174.2 31.6 47.4#

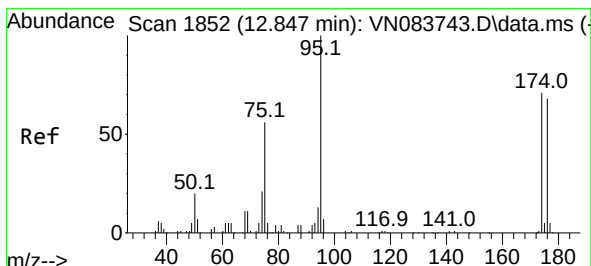
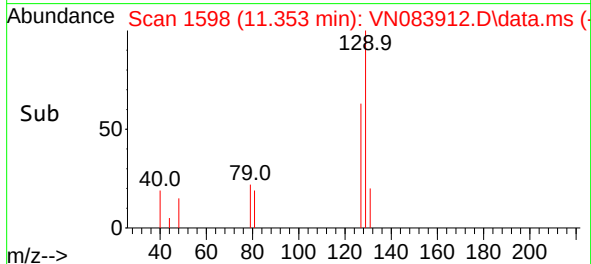
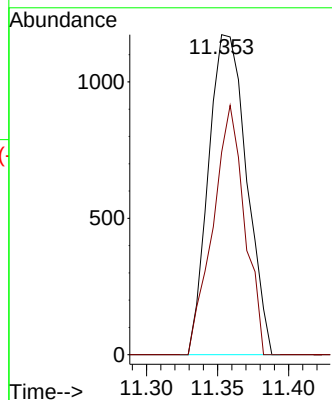
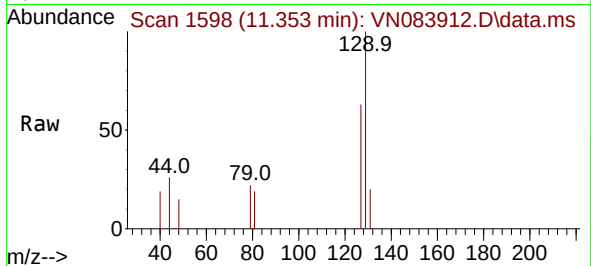




#60
Dibromochloromethane
Concen: 1.198 ug/l
RT: 11.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

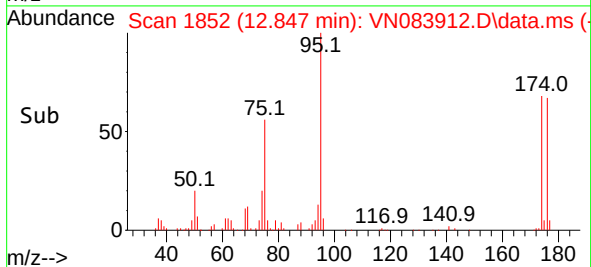
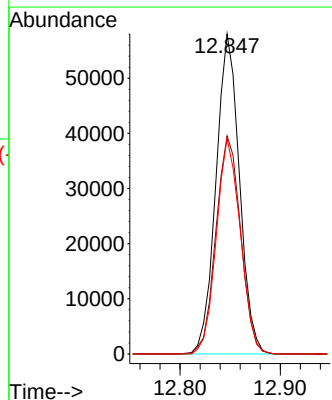
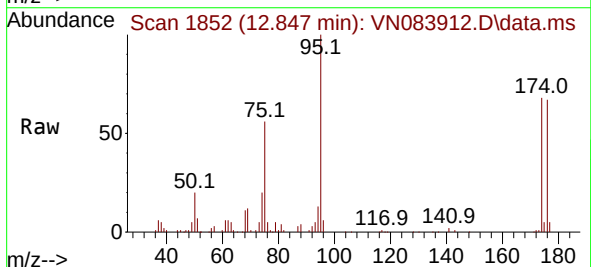
Instrument :
MSVOA_N
ClientSampleId :

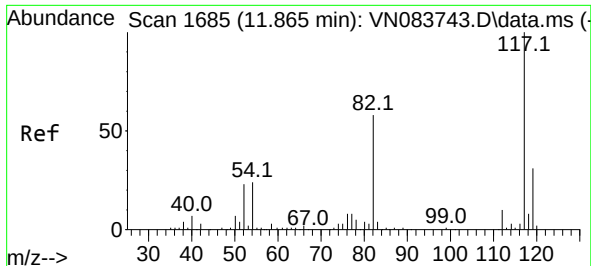
Tgt Ion:129 Resp: 2189
Ion Ratio Lower Upper
129 100
127 64.7 39.0 116.9



#62
4-Bromofluorobenzene
Concen: 41.878 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 95 Resp: 94270
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.7 0.0 131.4

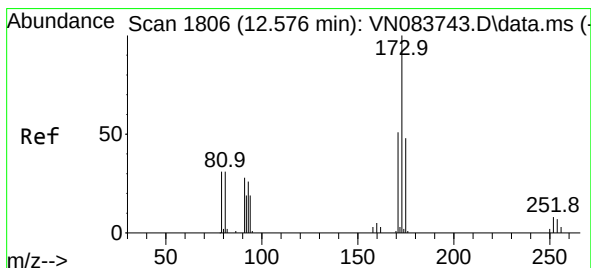
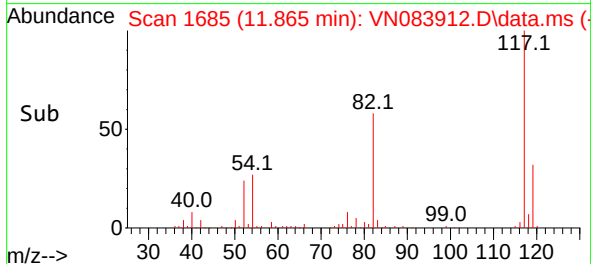
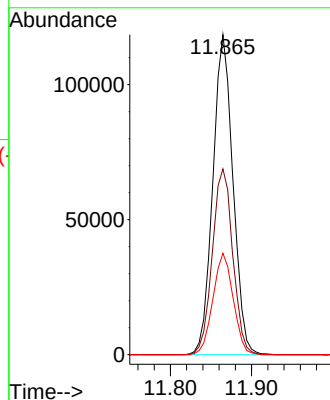
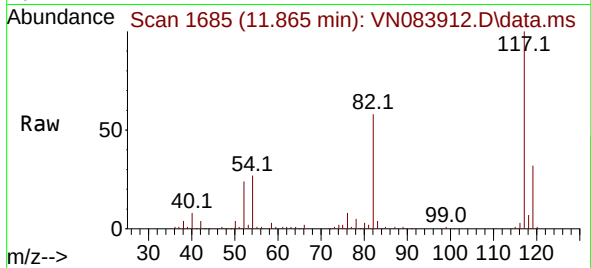




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

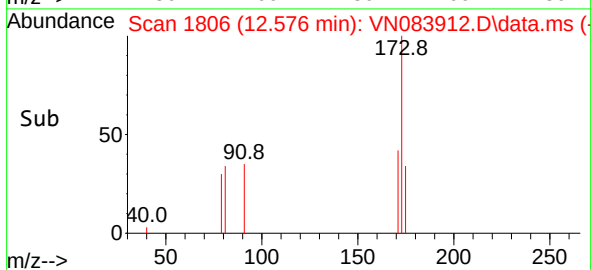
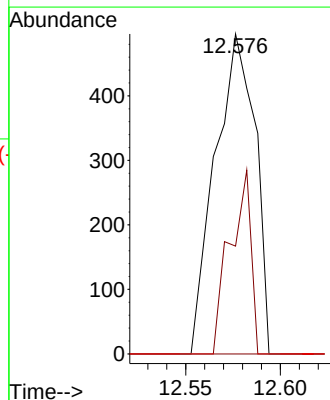
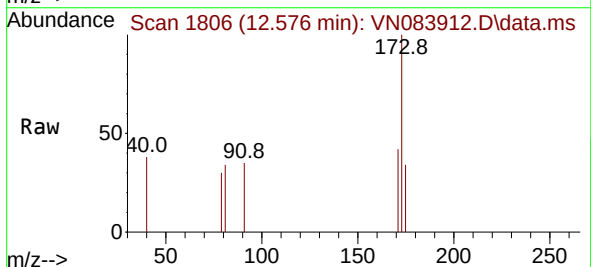
Instrument :
MSVOA_N
ClientSampleId :

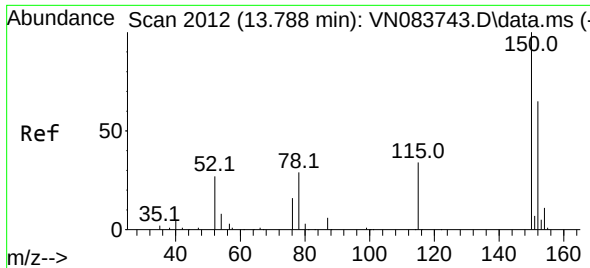
Tgt Ion:117 Resp: 203834
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.0
119 31.7 26.3 39.5



#71
Bromoform
Concen: 0.688 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

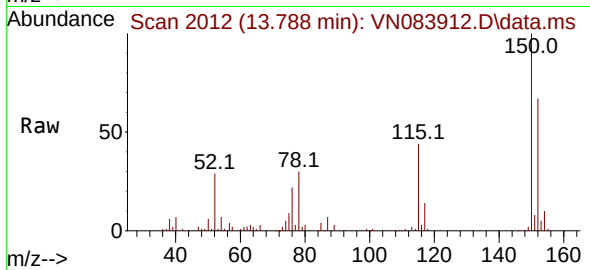
Tgt Ion:173 Resp: 728
Ion Ratio Lower Upper
173 100
175 30.4 24.1 72.2
254 0.0 0.0 0.0



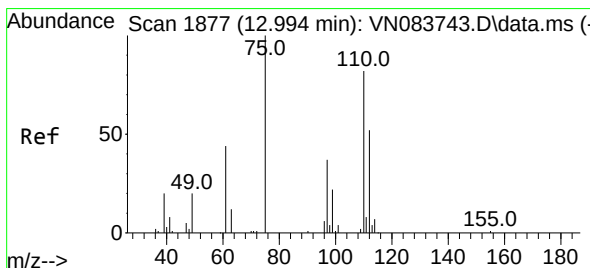
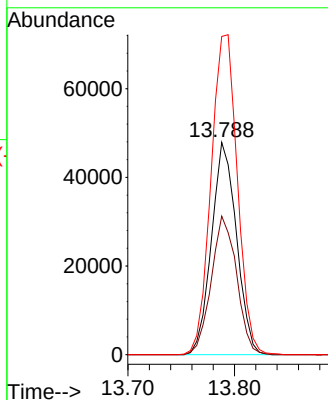
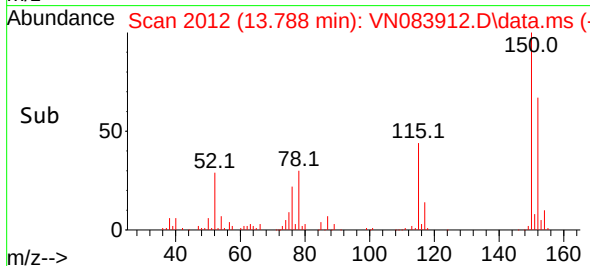


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083912.D
 Acq: 16 Sep 2024 13:03

Instrument :
 MSVOA_N
 ClientSampleId :

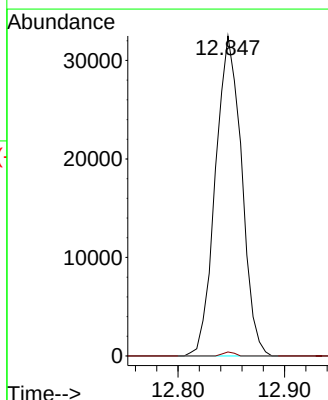
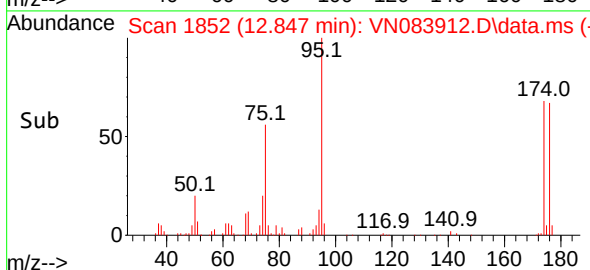
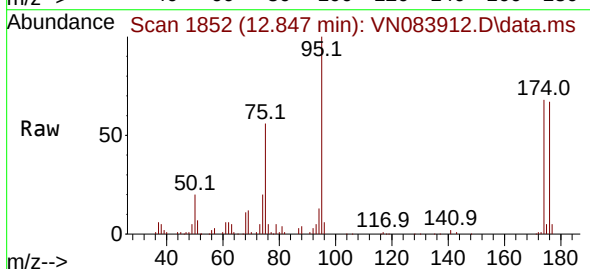


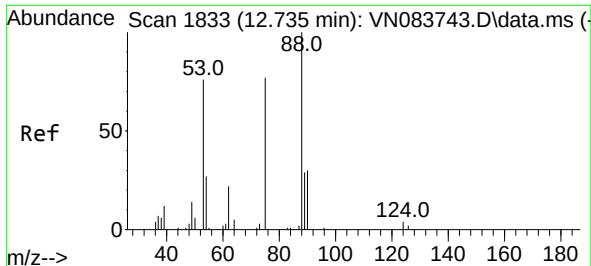
Tgt Ion:152 Resp: 77901
 Ion Ratio Lower Upper
 152 100
 115 66.2 32.2 96.6
 150 158.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 35.272 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083912.D
 Acq: 16 Sep 2024 13:03

Tgt Ion: 75 Resp: 55444
 Ion Ratio Lower Upper
 75 100
 77 0.6 95.2 285.6#

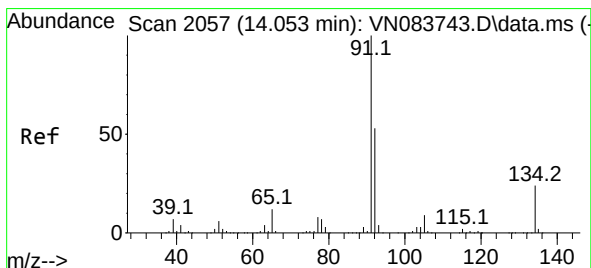
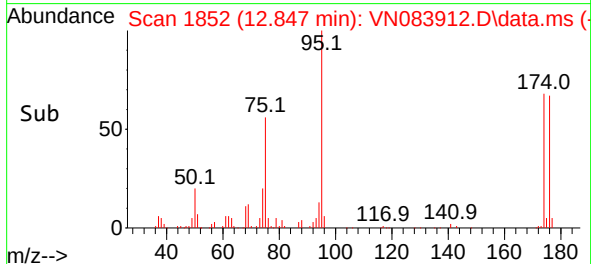
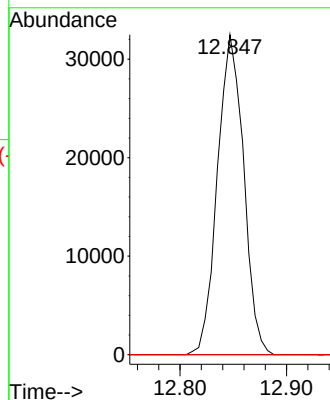
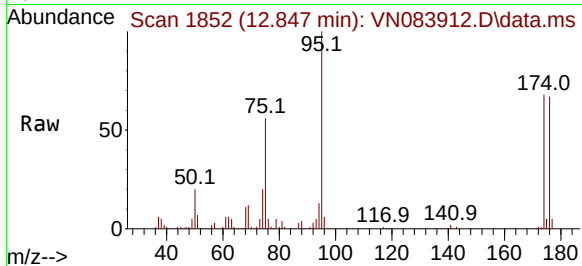




#81
trans-1,4-Dichloro-2-butene
Concen: 92.381 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

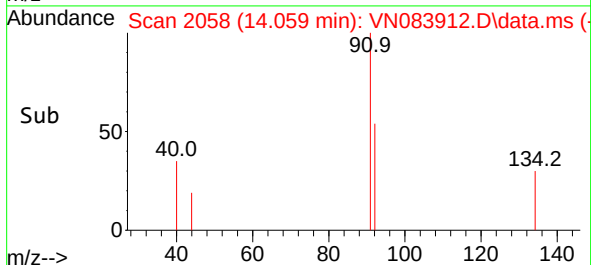
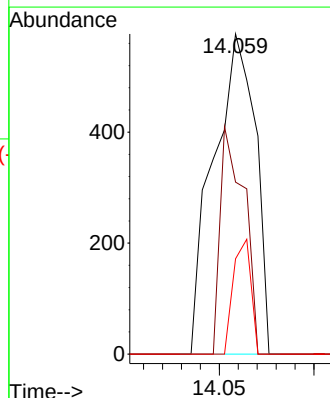
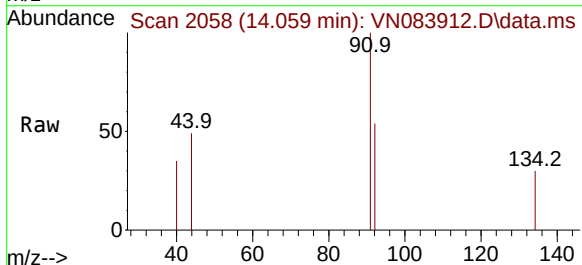
Instrument :
MSVOA_N
ClientSampleId :

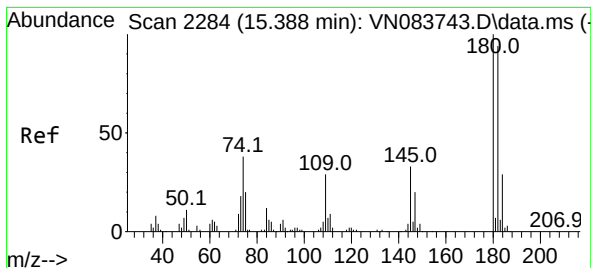
Tgt Ion: 75 Resp: 55444
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 0.200 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN083912.D
Acq: 16 Sep 2024 13:03

Tgt Ion: 91 Resp: 888
Ion Ratio Lower Upper
91 100
92 40.4 26.7 80.1
134 15.1 12.2 36.4





#93

1,2,4-Trichlorobenzene

Concen: 0.635 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :

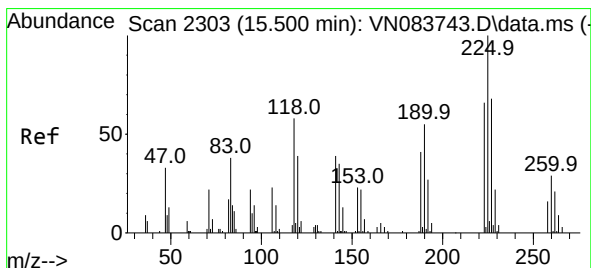
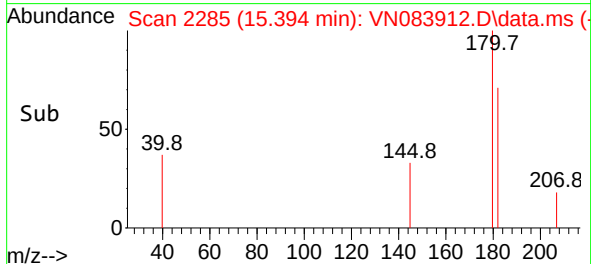
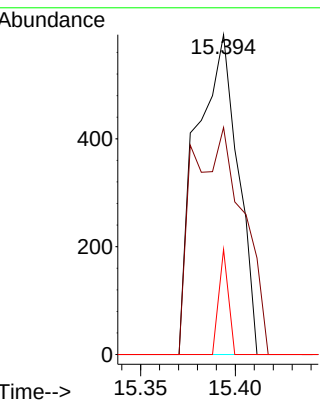
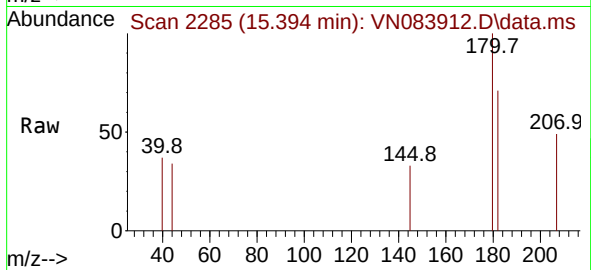
Tgt Ion:180 Resp: 901

Ion Ratio Lower Upper

180 100

182 86.5 48.1 144.3

145 7.7 16.9 50.7#



#94

Hexachlorobutadiene

Concen: 0.490 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

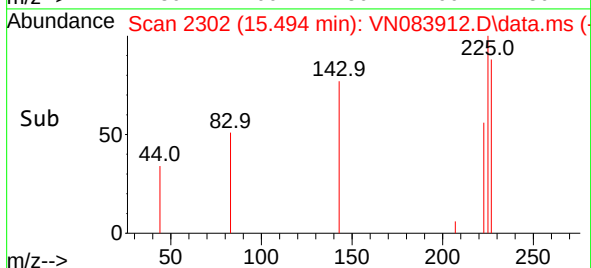
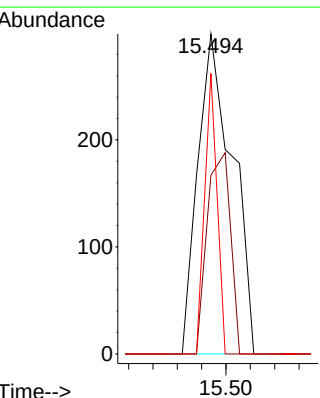
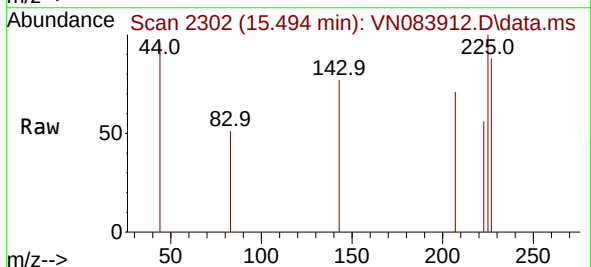
Tgt Ion:225 Resp: 295

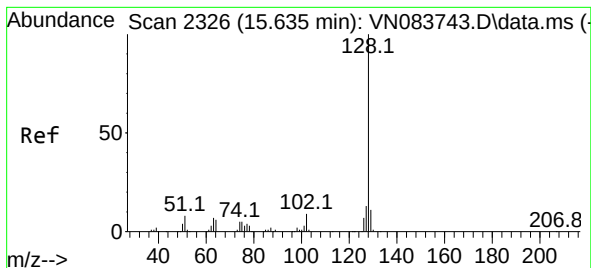
Ion Ratio Lower Upper

225 100

223 42.4 31.9 95.5

227 31.2 32.0 96.2#





#95

Naphthalene

Concen: 0.703 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.012 min

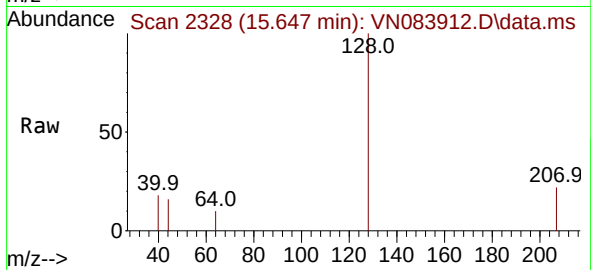
Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Instrument :

MSVOA_N

ClientSampleId :



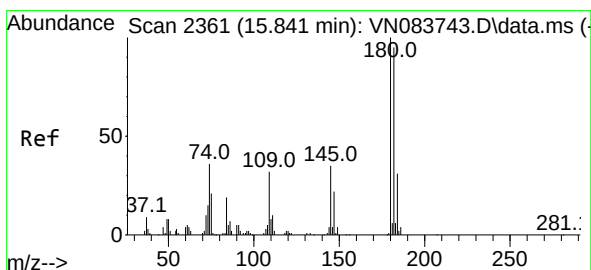
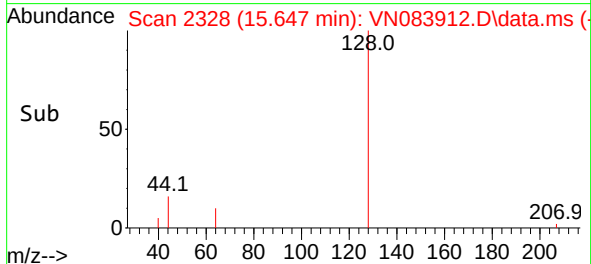
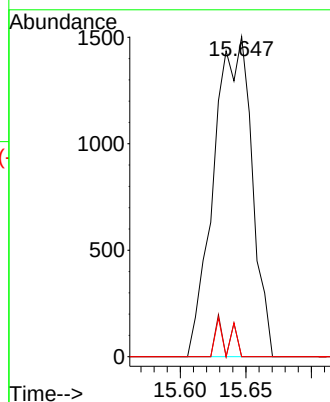
Tgt Ion:128 Resp: 3034

Ion Ratio Lower Upper

128 100

127 4.2 10.2 15.2#

129 4.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.693 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN083912.D

Acq: 16 Sep 2024 13:03

Tgt Ion:180 Resp: 939

Ion Ratio Lower Upper

180 100

182 99.5 47.1 141.4

145 19.5 17.8 53.5

