

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121224\
 Data File : VN085181.D
 Acq On : 12 Dec 2024 10:46
 Operator : JC\MD
 Sample : VN1212MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 04:20:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	142475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85471	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105948	52.205	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.420%	
35) Dibromofluoromethane	8.165	113	85433	51.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.000%	
50) Toluene-d8	10.565	98	289767	48.743	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.847	95	91224	41.033	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 82.060%	

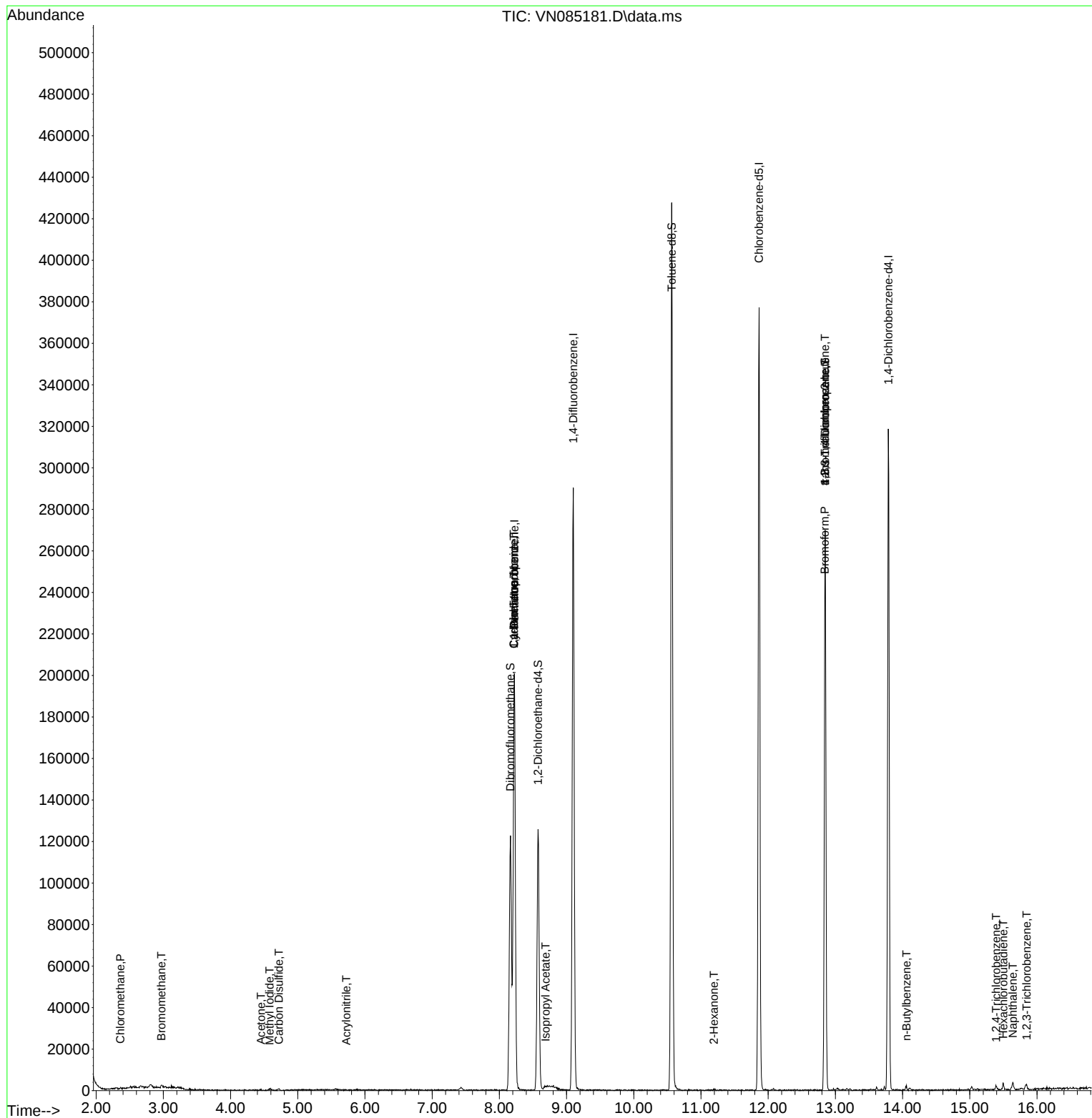
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	394	0.211	ug/l #	62
5) Bromomethane	2.971	94	613	0.651	ug/l	84
10) Methyl Iodide	4.583	142	721	0.336	ug/l #	39
15) Acrylonitrile	5.724	53	249	0.324	ug/l #	18
16) Acetone	4.453	43	229	0.387	ug/l #	43
17) Carbon Disulfide	4.718	76	1338	0.300	ug/l #	77
18) Methyl Acetate	5.018	43	143	Below Cal	#	50
31) Cyclohexane	8.218	56	3169	1.172	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11687	5.201	ug/l #	54
38) Carbon Tetrachloride	8.218	117	16433	6.336	ug/l #	14
43) Isopropyl Acetate	8.688	43	1742	0.411	ug/l #	55
59) 2-Hexanone	11.194	43	632	0.436	ug/l #	39
71) Bromoform	12.841	173	347	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	49177	31.632	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	49177	69.830	ug/l #	10
89) n-Butylbenzene	14.059	91	1341	0.297	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	1034	0.621	ug/l #	87
94) Hexachlorobutadiene	15.500	225	925	1.203	ug/l	94
95) Naphthalene	15.641	128	4442	0.936	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.847	180	1263	0.794	ug/l	94

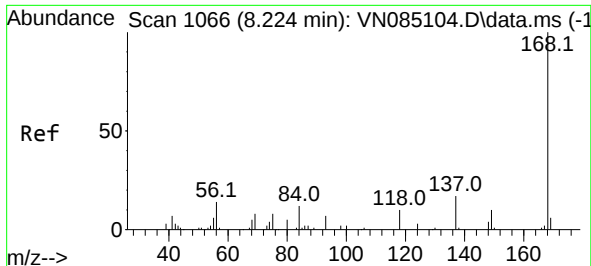
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

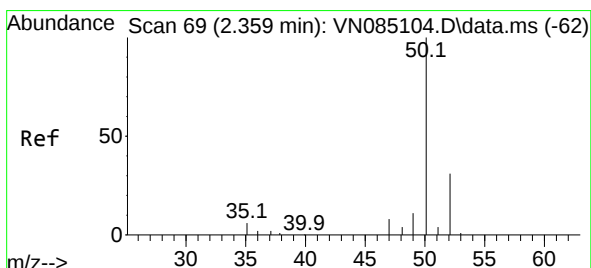
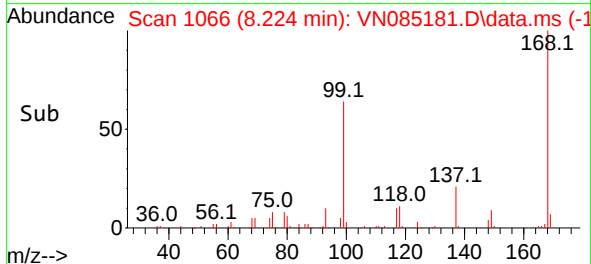
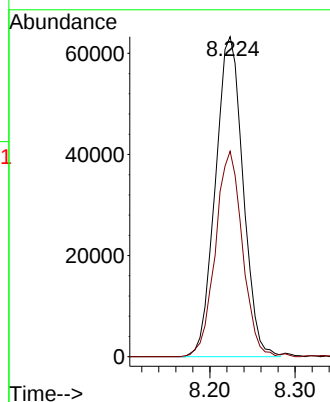
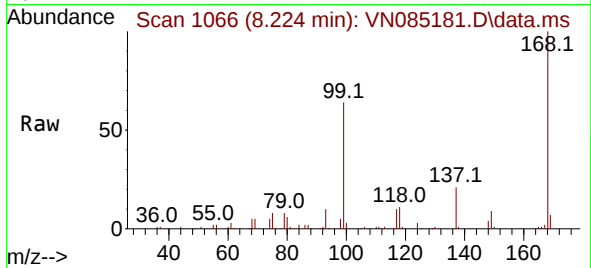




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

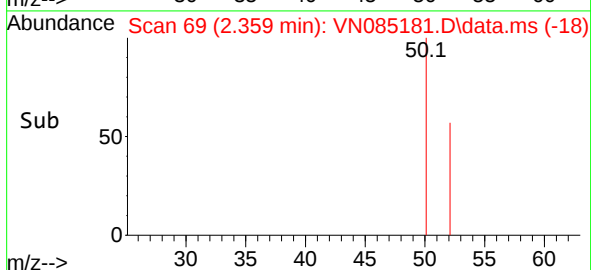
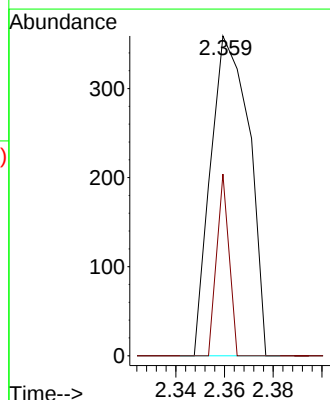
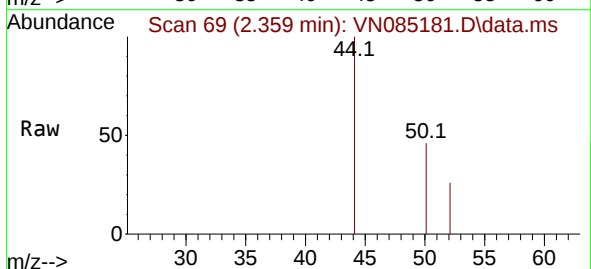
Instrument :
MSVOA_N
ClientSampleId :

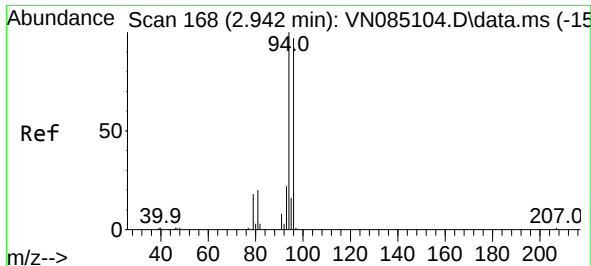
Tgt Ion:168 Resp: 142475
Ion Ratio Lower Upper
168 100
99 64.2 51.2 76.8



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 56.8 27.8 41.8#

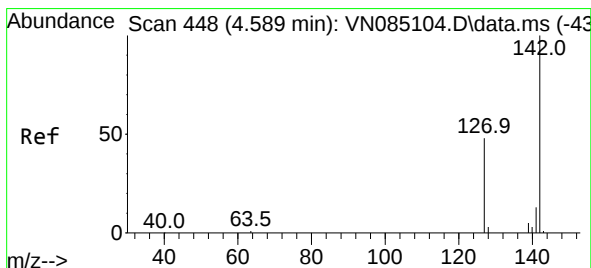
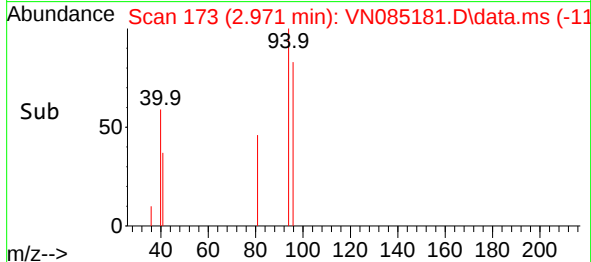
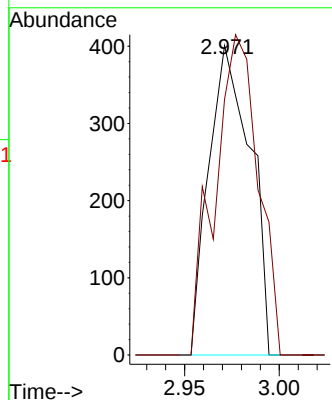
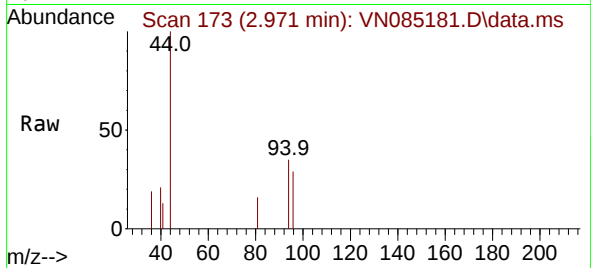




#5
Bromomethane
Concen: 0.651 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

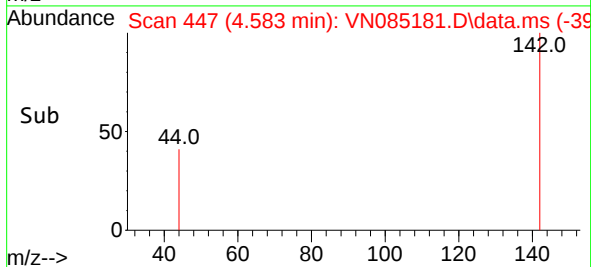
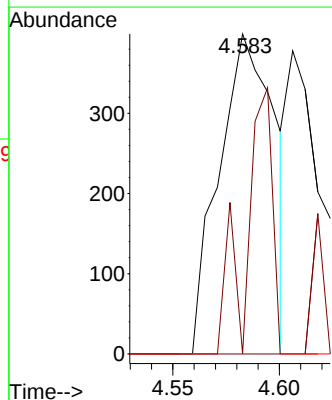
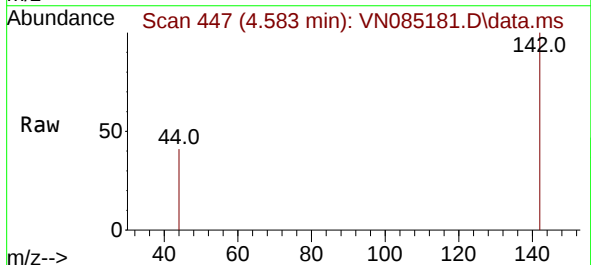
Instrument :
MSVOA_N
ClientSampleId :

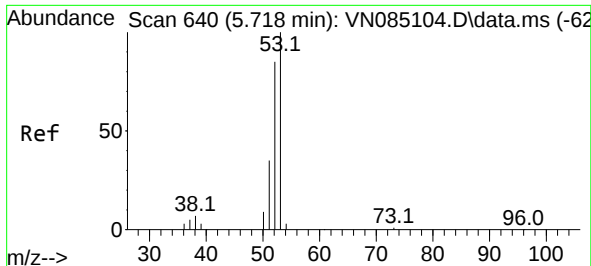
Tgt Ion: 94 Resp: 613
Ion Ratio Lower Upper
94 100
96 82.5 78.7 118.1



#10
Methyl Iodide
Concen: 0.336 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

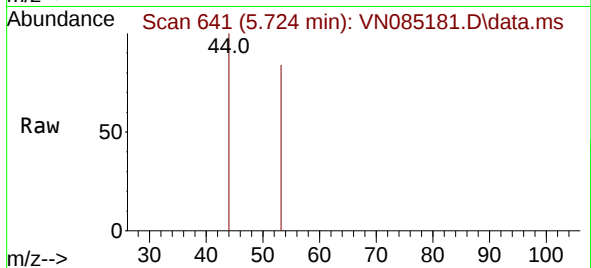
Tgt Ion:142 Resp: 721
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



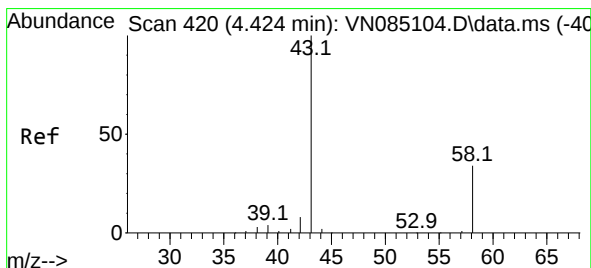
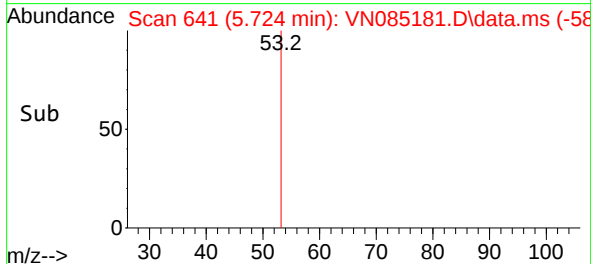
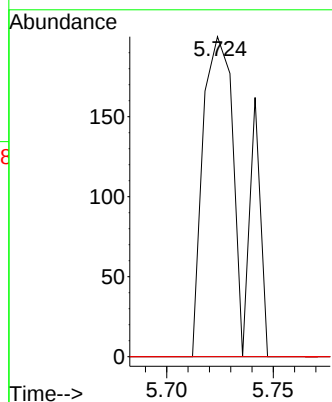


#15
Acrylonitrile
Concen: 0.324 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :

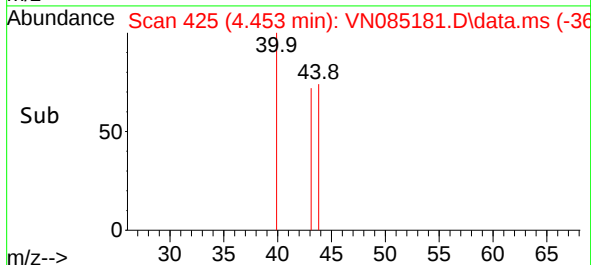
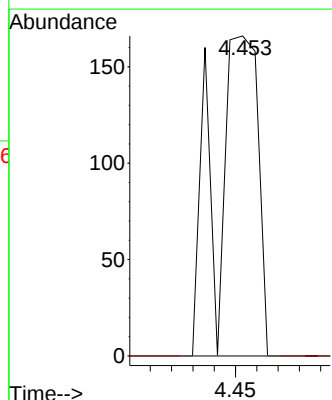
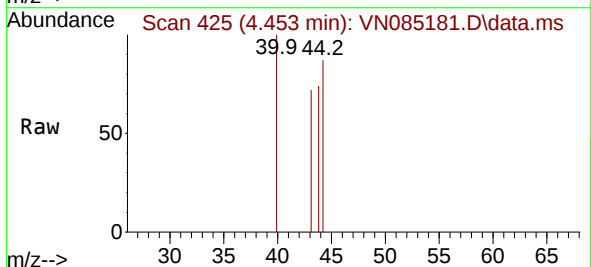


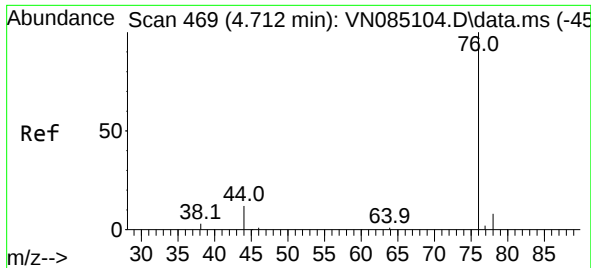
Tgt Ion: 53 Resp: 249
Ion Ratio Lower Upper
53 100
52 0.0 65.5 98.3#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 0.387 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.029 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

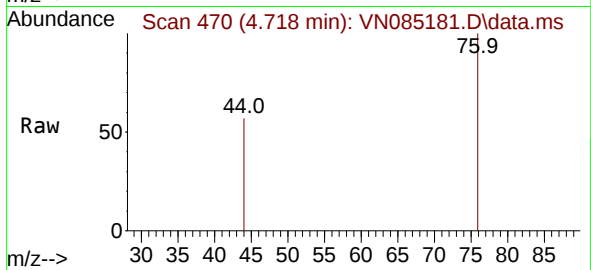
Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.2#



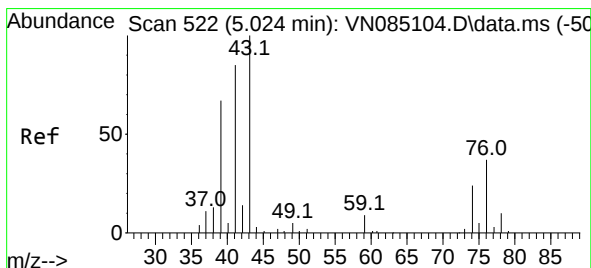
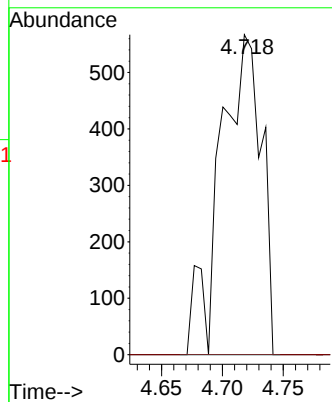
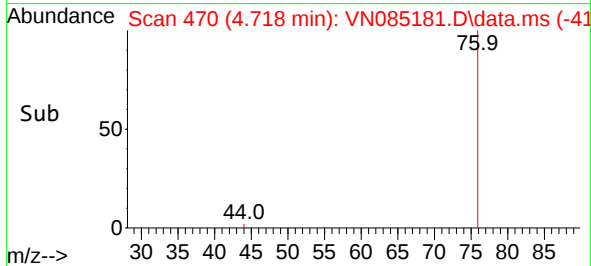


#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :

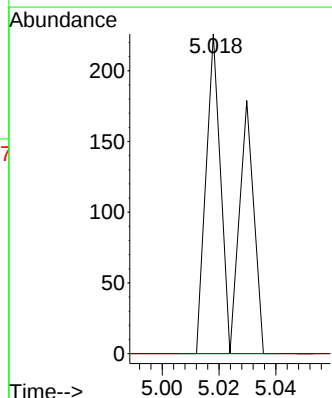
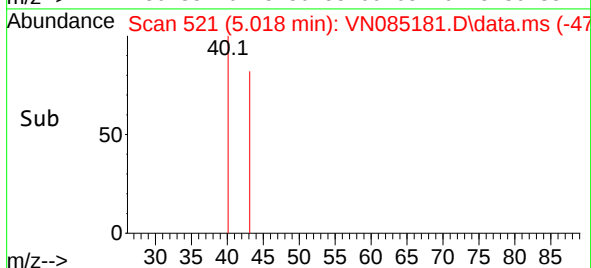
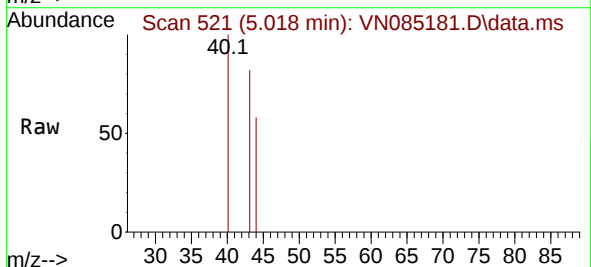


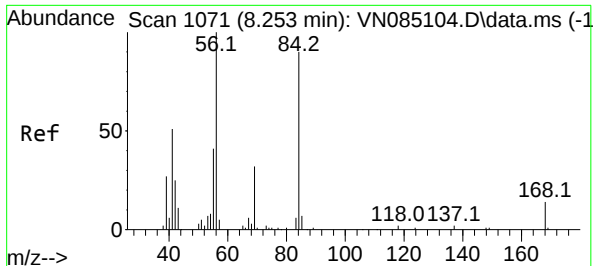
Tgt Ion: 76 Resp: 1338
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

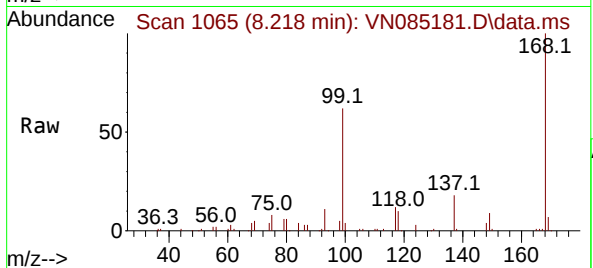
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



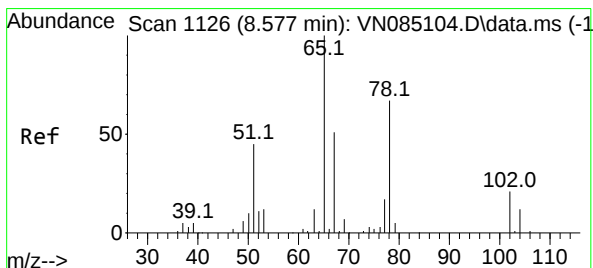
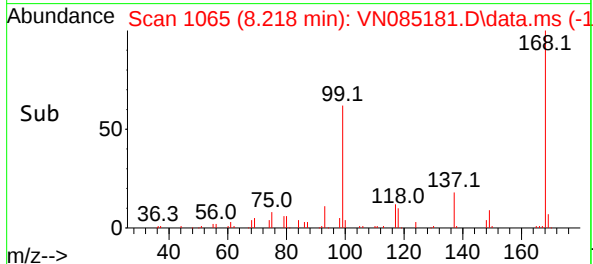
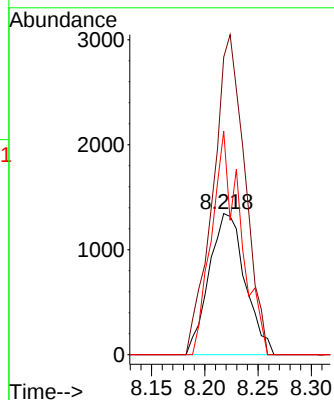


#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :

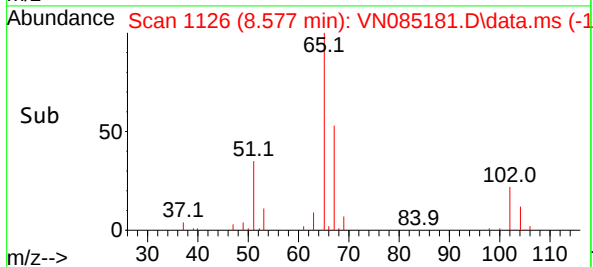
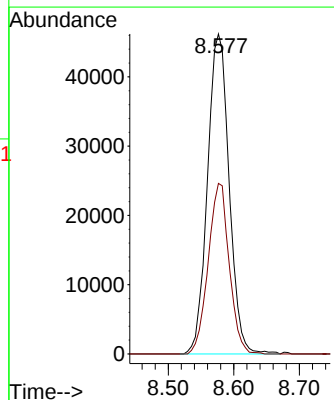
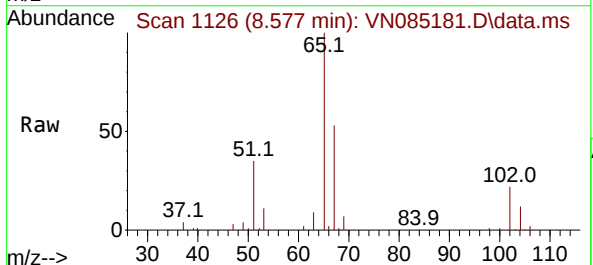


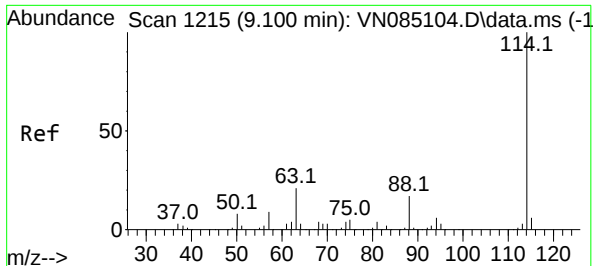
Tgt Ion: 56 Resp: 3169
Ion Ratio Lower Upper
56 100
69 210.9 24.6 36.8#
84 158.4 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 52.205 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion: 65 Resp: 105948
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085181.D

Acq: 12 Dec 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

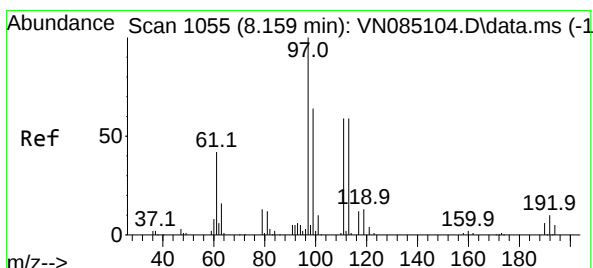
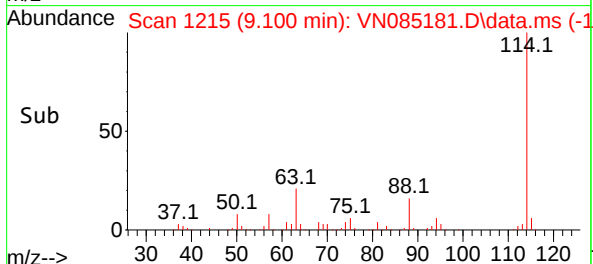
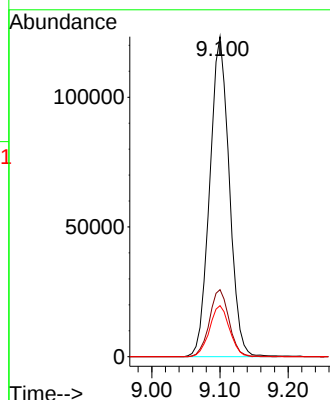
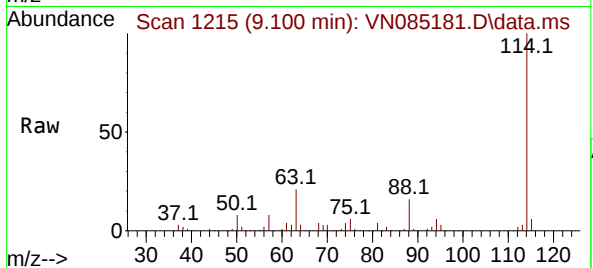
Tgt Ion:114 Resp: 245983

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.502 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085181.D

Acq: 12 Dec 2024 10:46

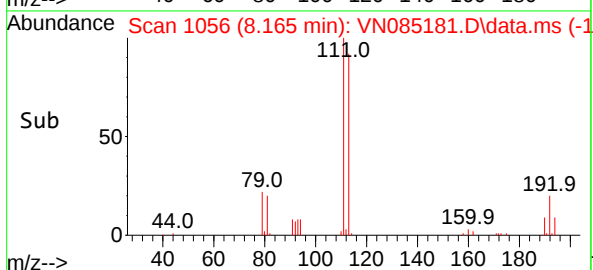
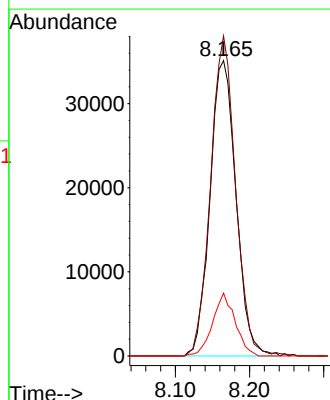
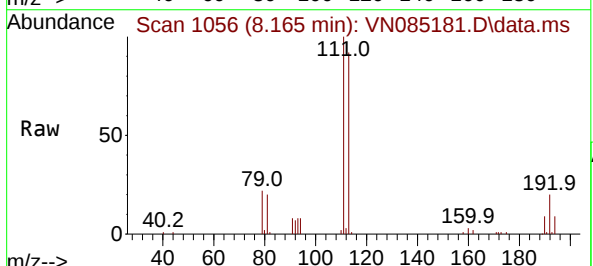
Tgt Ion:113 Resp: 85433

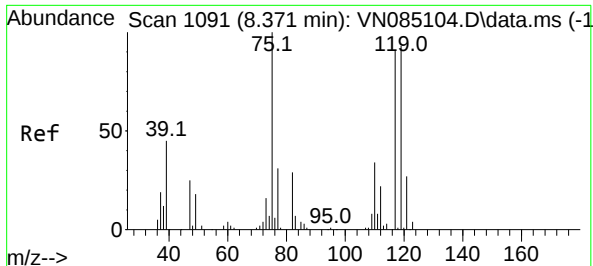
Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

192 18.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.201 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085181.D

Acq: 12 Dec 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

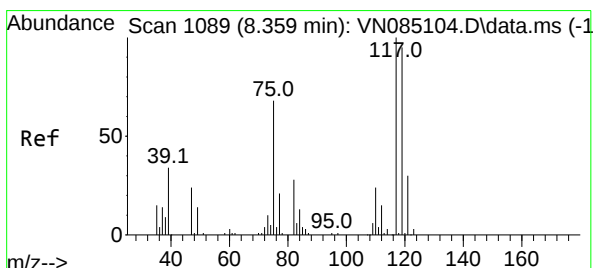
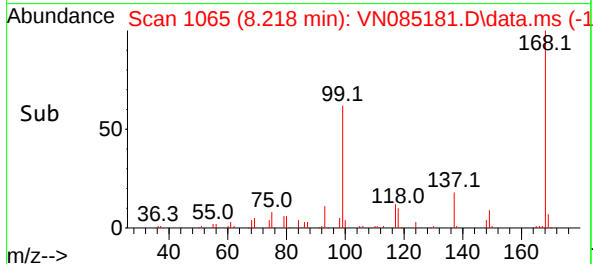
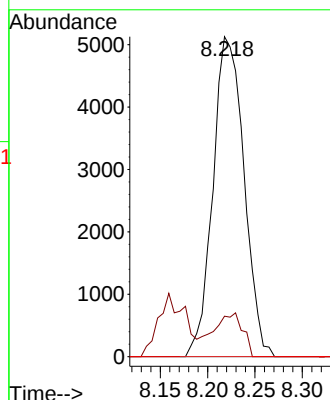
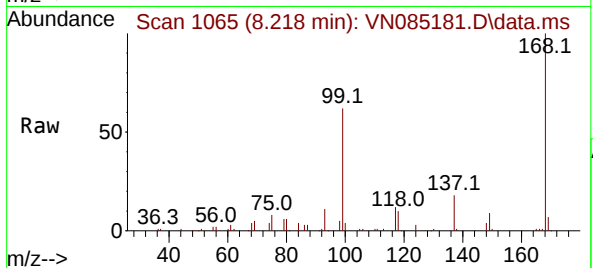
Tgt Ion: 75 Resp: 11687

Ion Ratio Lower Upper

75 100

110 12.3 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.336 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085181.D

Acq: 12 Dec 2024 10:46

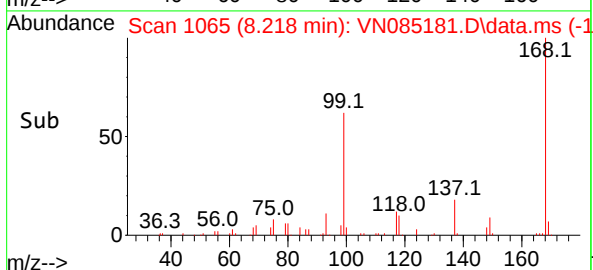
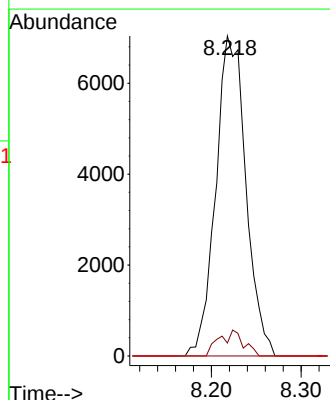
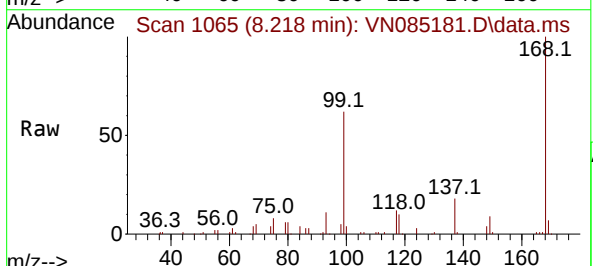
Tgt Ion: 117 Resp: 16433

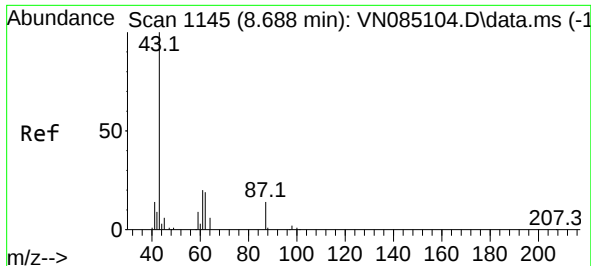
Ion Ratio Lower Upper

117 100

119 4.0 78.6 117.8#

121 0.0 24.2 36.2#

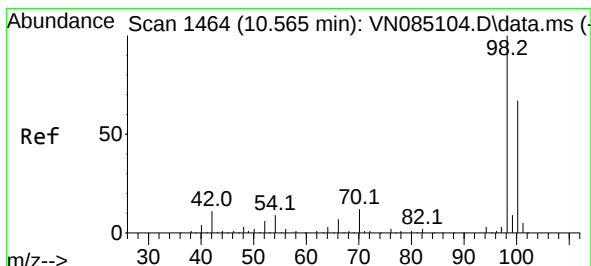
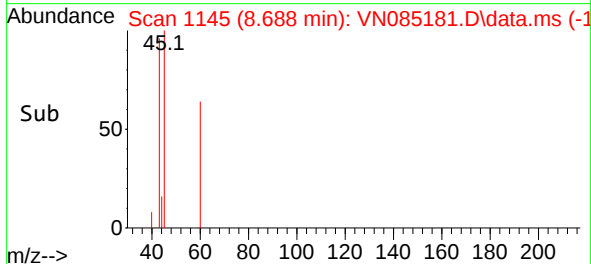
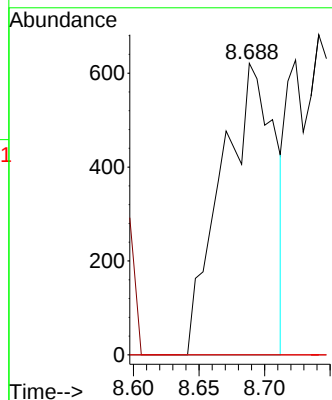
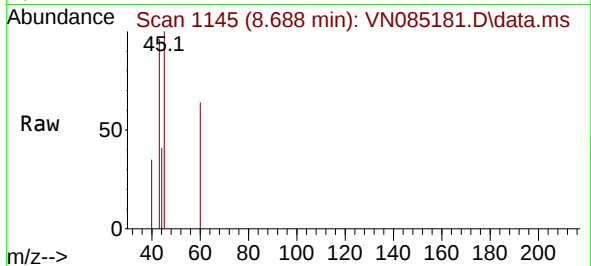




#43
Isopropyl Acetate
Concen: 0.411 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

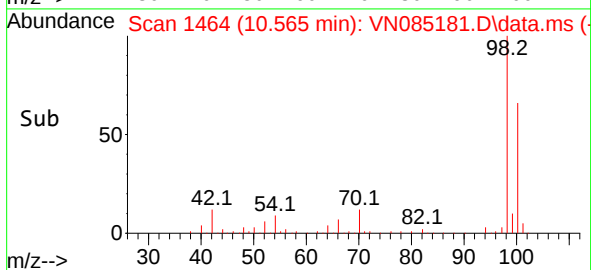
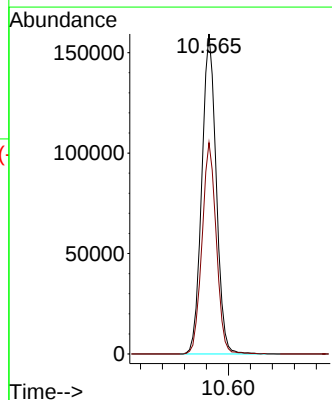
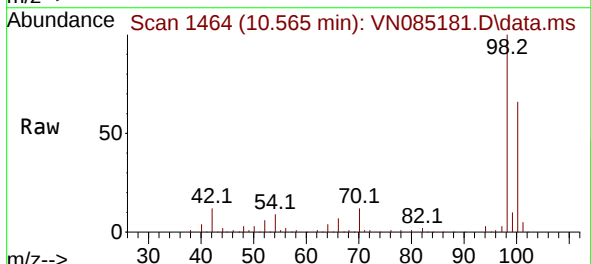
Instrument :
MSVOA_N
ClientSampleId :

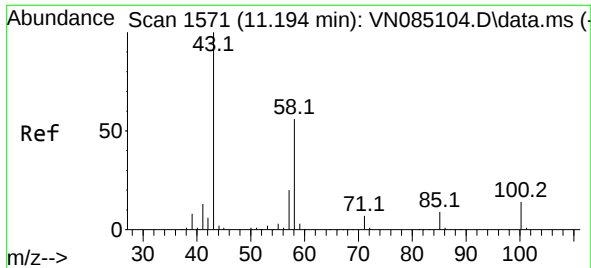
Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



#50
Toluene-d8
Concen: 48.743 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion: 98 Resp: 289767
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

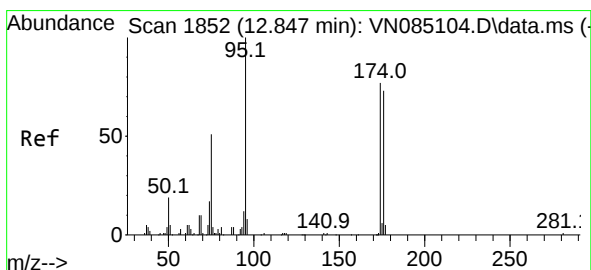
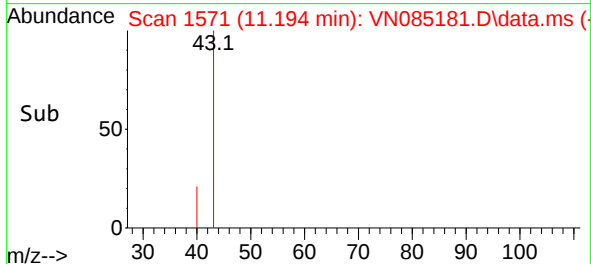
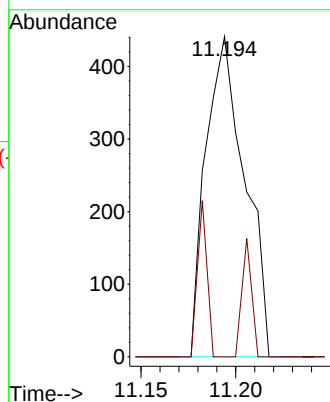
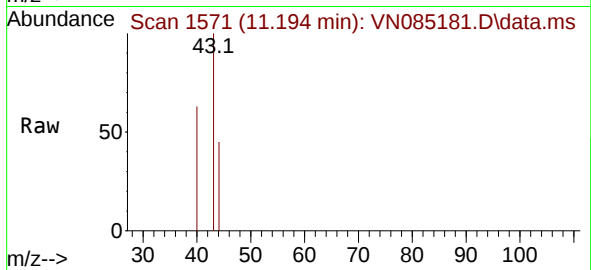




#59
2-Hexanone
Concen: 0.436 ug/l
RT: 11.194 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

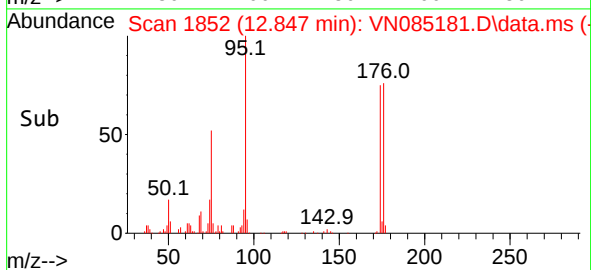
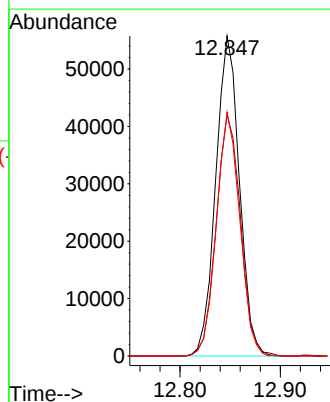
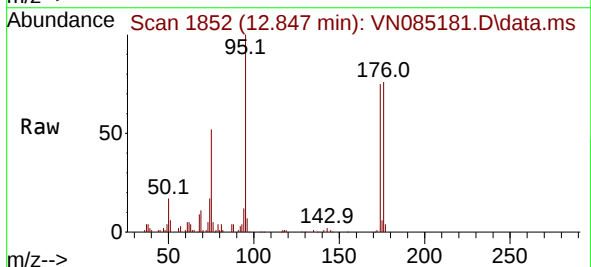
Instrument :
MSVOA_N
ClientSampleId :

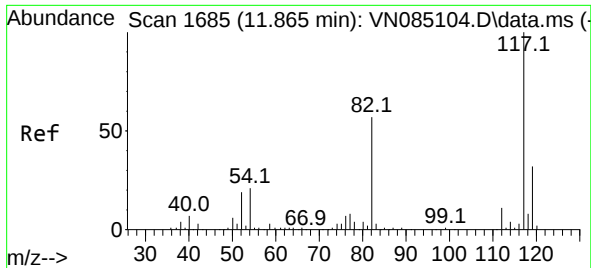
Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 12.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 41.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion: 95 Resp: 91224
Ion Ratio Lower Upper
95 100
174 77.5 0.0 146.6
176 75.4 0.0 141.8

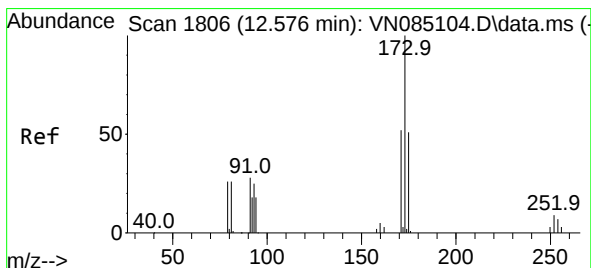
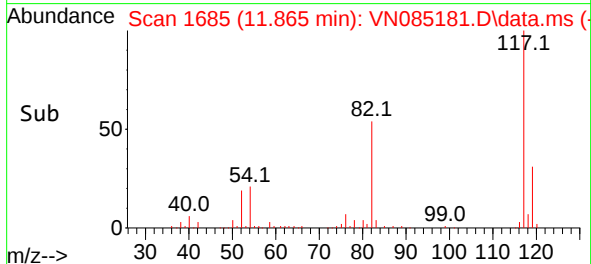
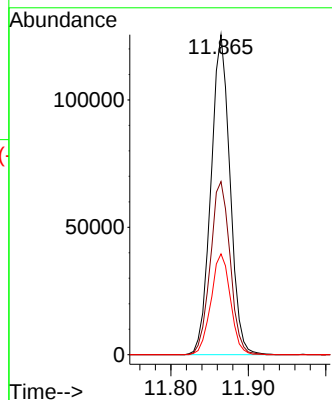
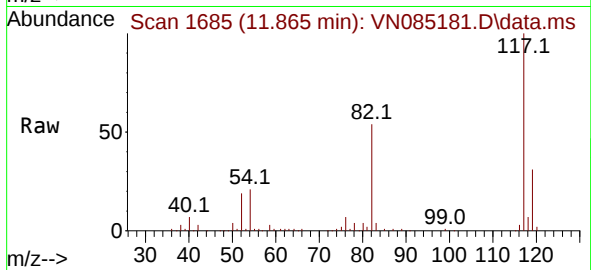




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

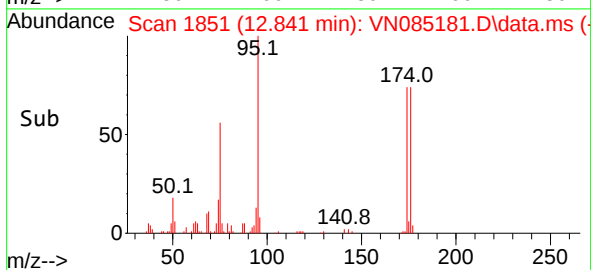
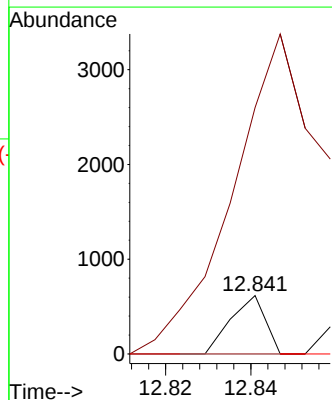
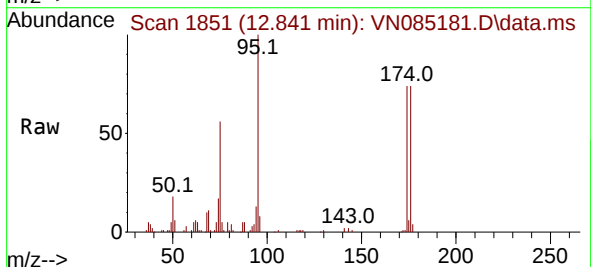
Instrument :
MSVOA_N
ClientSampleId :

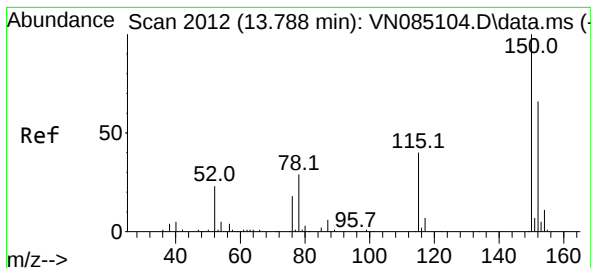
Tgt Ion:117 Resp: 214183
Ion Ratio Lower Upper
117 100
82 54.1 46.0 69.0
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.273 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion:173 Resp: 347
Ion Ratio Lower Upper
173 100
175 1157.6 23.8 71.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085181.D

Acq: 12 Dec 2024 10:46

Instrument :

MSVOA_N

ClientSampleId :

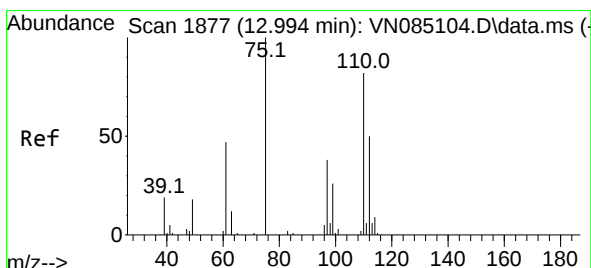
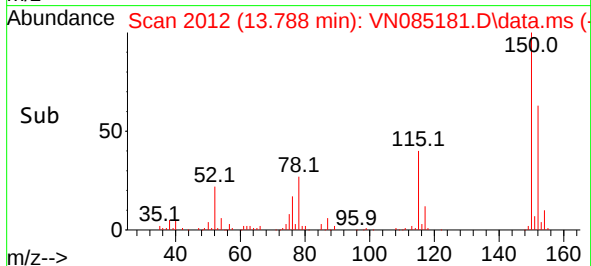
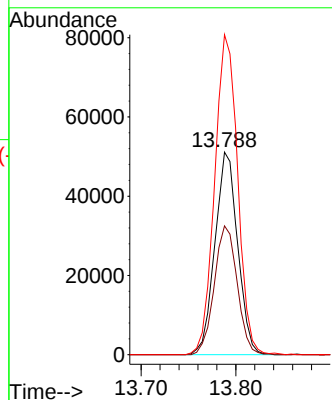
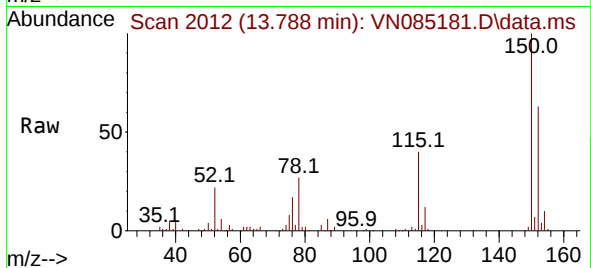
Tgt Ion:152 Resp: 85471

Ion Ratio Lower Upper

152 100

115 64.0 31.7 95.1

150 159.6 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 31.632 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085181.D

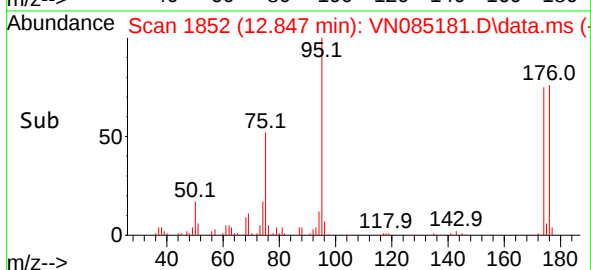
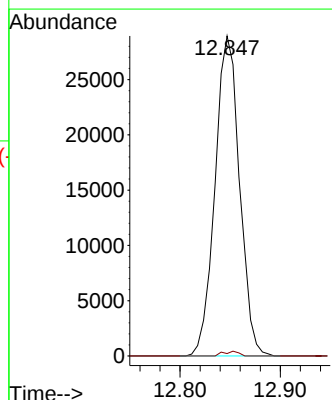
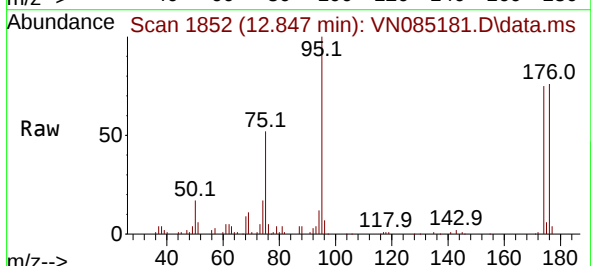
Acq: 12 Dec 2024 10:46

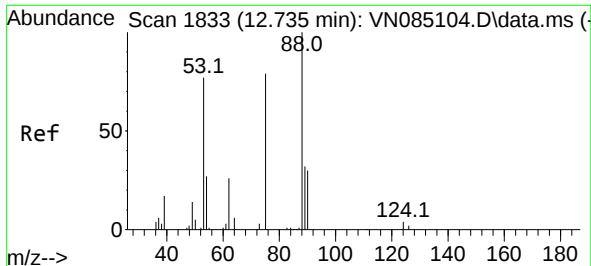
Tgt Ion: 75 Resp: 49177

Ion Ratio Lower Upper

75 100

77 0.9 109.1 327.4#

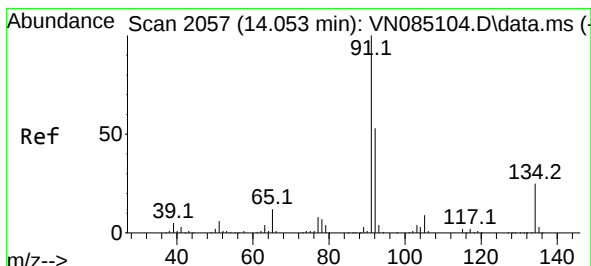
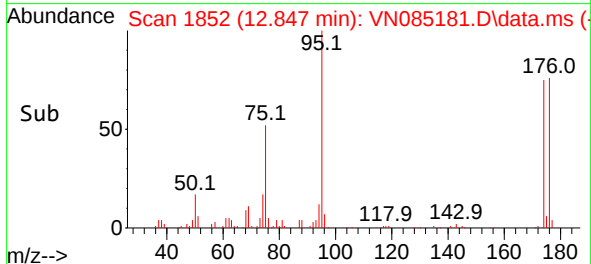
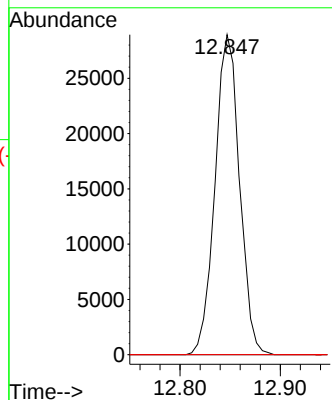
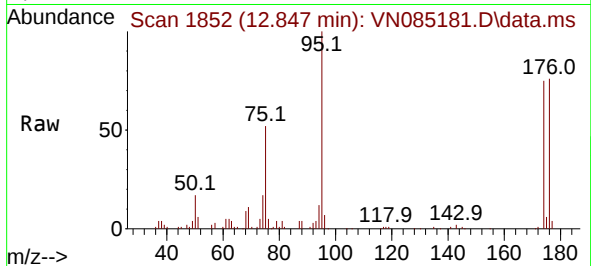




#81
trans-1,4-Dichloro-2-butene
Concen: 69.830 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

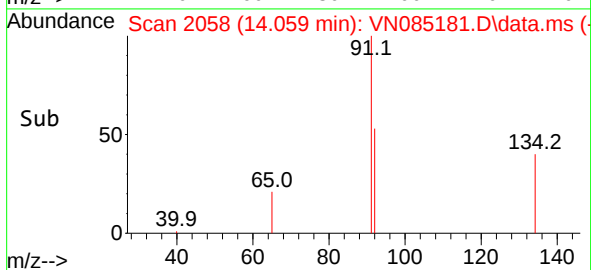
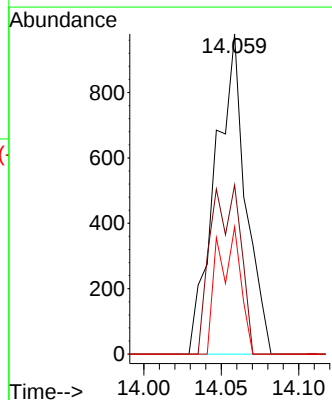
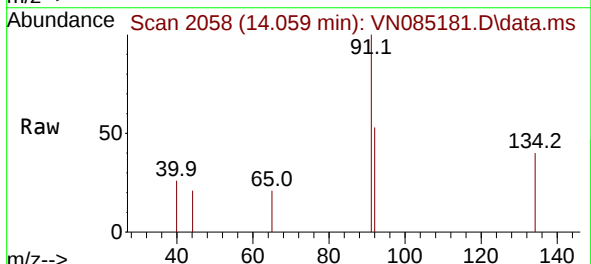
Instrument :
MSVOA_N
ClientSampleId :

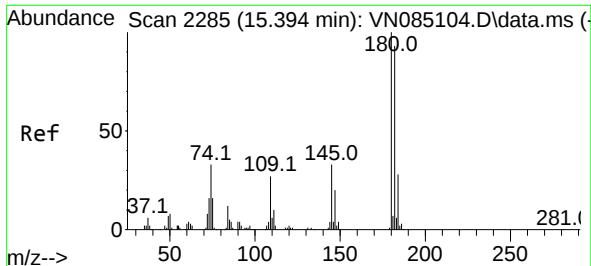
Tgt Ion: 75 Resp: 49177
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#89
n-Butylbenzene
Concen: 0.297 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

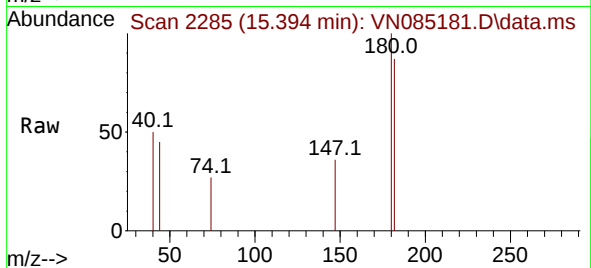
Tgt Ion: 91 Resp: 1341
Ion Ratio Lower Upper
91 100
92 51.6 26.8 80.3
134 29.5 12.8 38.4



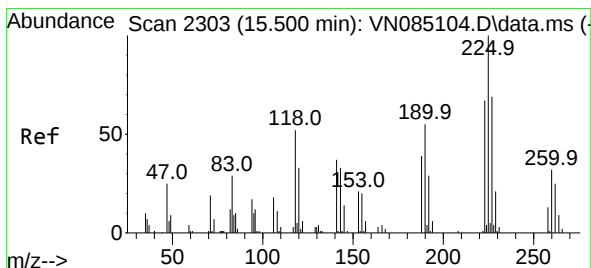
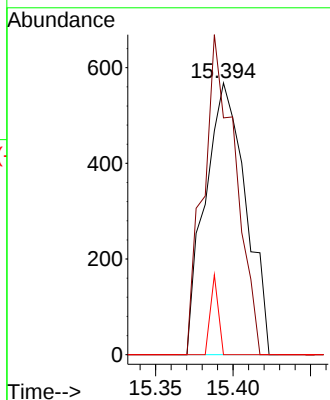
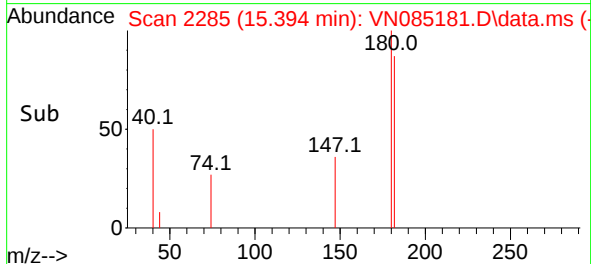


#93
1,2,4-Trichlorobenzene
Concen: 0.621 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

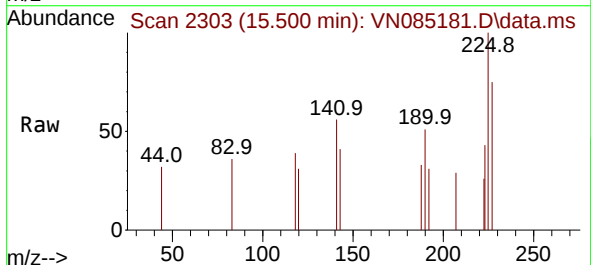
Instrument :
MSVOA_N
ClientSampleId :



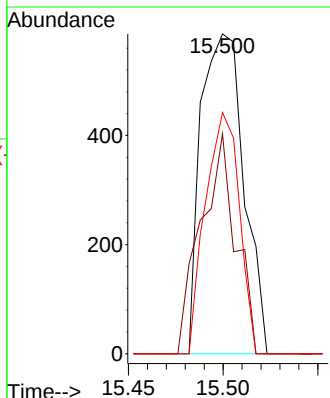
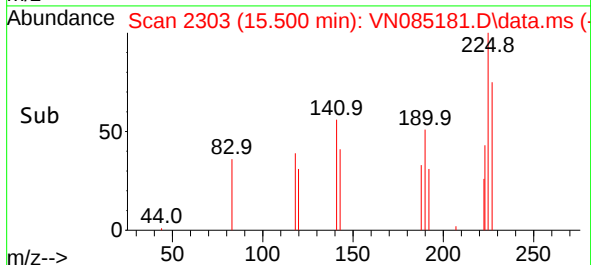
Tgt Ion:180 Resp: 1034
Ion Ratio Lower Upper
180 100
182 92.6 46.9 140.8
145 5.7 16.3 48.8#

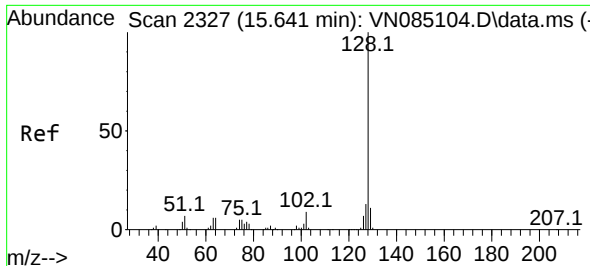


#94
Hexachlorobutadiene
Concen: 1.203 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46



Tgt Ion:225 Resp: 925
Ion Ratio Lower Upper
225 100
223 55.6 30.9 92.8
227 59.5 31.5 94.5

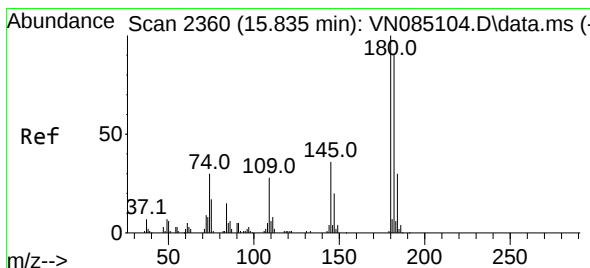
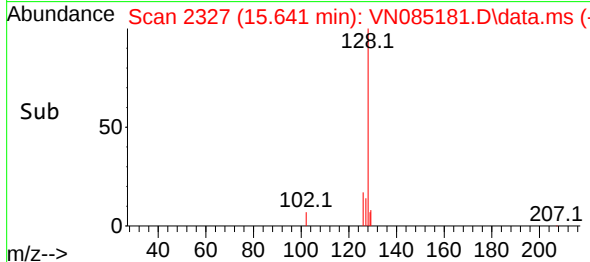
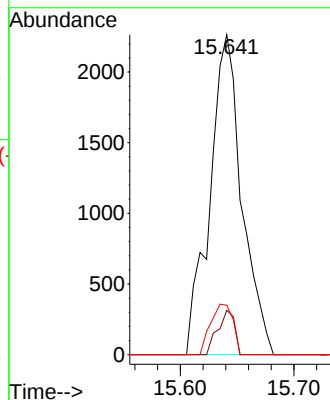
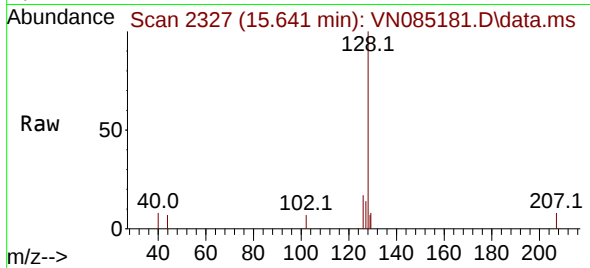




#95
Naphthalene
Concen: 0.936 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4442
Ion Ratio Lower Upper
128 100
127 7.3 10.6 16.0#
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.794 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085181.D
Acq: 12 Dec 2024 10:46

Tgt Ion:180 Resp: 1263
Ion Ratio Lower Upper
180 100
182 96.4 46.4 139.2
145 41.3 17.3 52.0

