

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085226.D
 Acq On : 17 Dec 2024 15:56
 Operator : JC\MD
 Sample : IBLK- V14614
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 00:27:38 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)

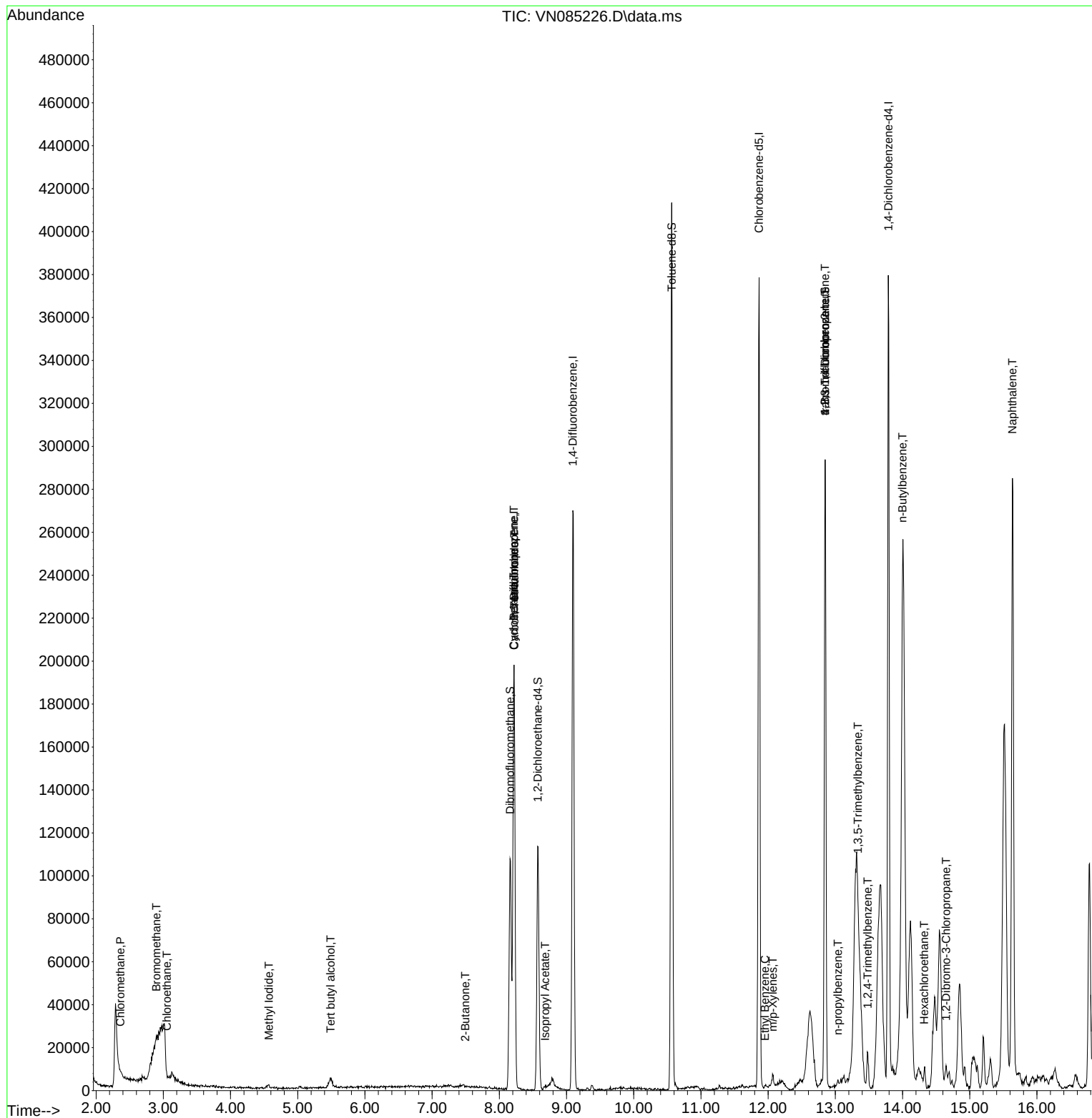
Internal Standards						
1) Pentafluorobenzene	8.218	168	142514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	233387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	95279	46.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.880%		
35) Dibromofluoromethane	8.159	113	76698	48.732	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	10.565	98	284551	50.448	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.900%		
62) 4-Bromofluorobenzene	12.847	95	105002	49.780	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1022	0.547	ug/l #	40
5) Bromomethane	2.895	94	1417	1.505	ug/l #	69
6) Chloroethane	3.054	64	516	0.456	ug/l #	44
10) Methyl Iodide	4.571	142	3723	1.736	ug/l #	92
11) Tert butyl alcohol	5.489	59	4774	17.598	ug/l #	75
18) Methyl Acetate	5.036	43	1251	Below Cal		100
25) 2-Butanone	7.494	43	217	0.225	ug/l #	48
31) Cyclohexane	8.212	56	2966	1.097	ug/l #	28
36) 1,1-Dichloropropene	8.218	75	11469	5.380	ug/l #	45
38) Carbon Tetrachloride	8.224	117	14914	6.061	ug/l #	15
43) Isopropyl Acetate	8.683	43	1159	0.288	ug/l #	55
67) Ethyl Benzene	11.953	91	1666	0.210	ug/l #	83
68) m/p-Xylenes	12.071	106	1731	0.573	ug/l	87
76) 1,2,3-Trichloropropane	12.847	75	56009	30.441	ug/l #	1
78) n-propylbenzene	13.035	91	2013	0.245	ug/l	80
80) 1,3,5-Trimethylbenzene	13.335	105	2698	0.451	ug/l	77
81) trans-1,4-Dichloro-2-b...	12.847	75	56009	67.200	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	9157	1.486	ug/l	98
89) n-Butylbenzene	14.000	91	1929	0.361	ug/l #	39
90) Hexachloroethane	14.323	117	472	0.377	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.647	75	324	0.688	ug/l #	1
95) Naphthalene	15.635	128	278307	49.554	ug/l	99

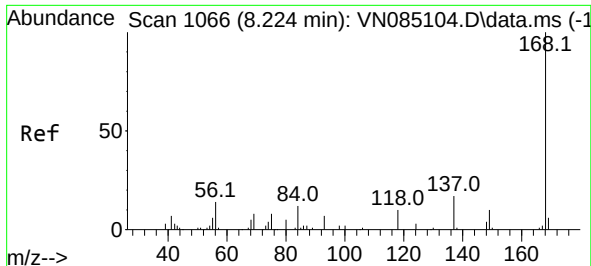
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

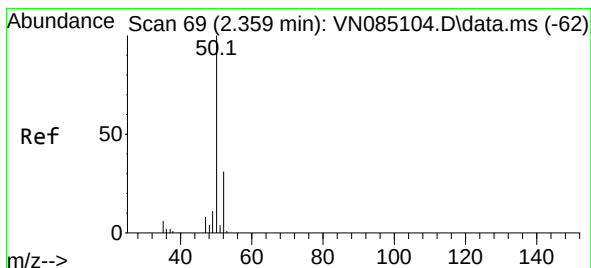
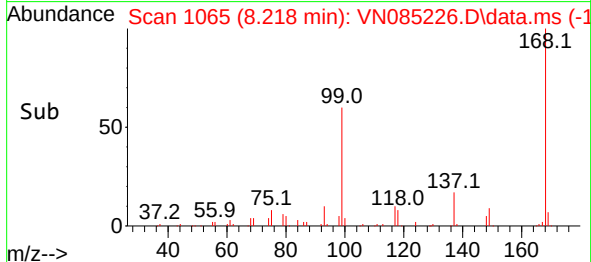
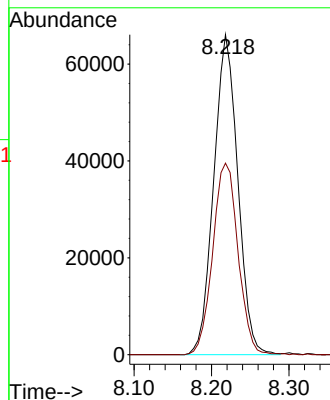
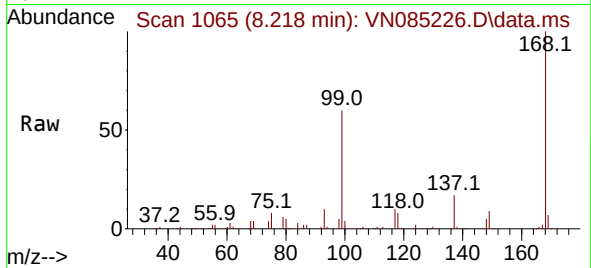




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

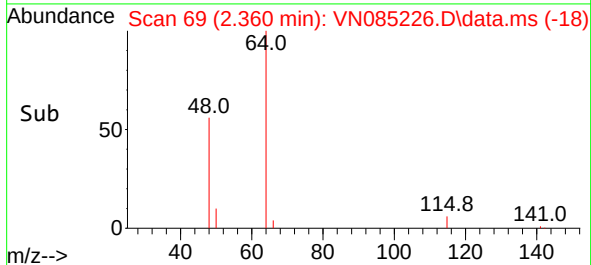
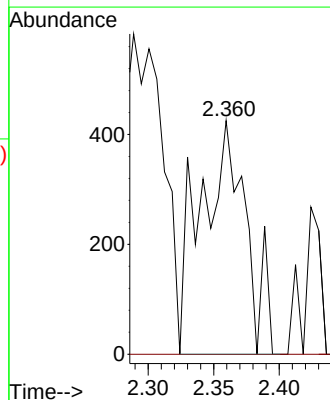
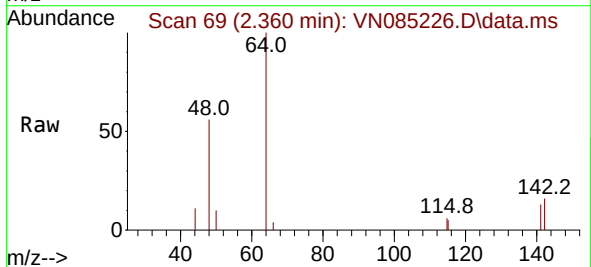
Instrument :
MSVOA_N
ClientSampleId :

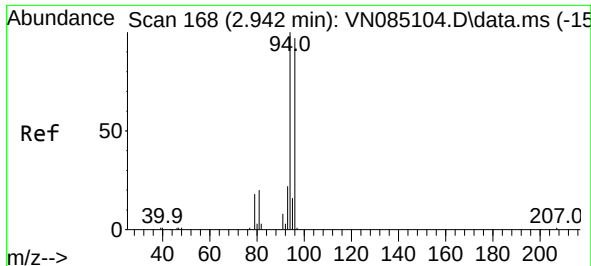
Tgt Ion:168 Resp: 142514
Ion Ratio Lower Upper
168 100
99 59.9 51.2 76.8



#3
Chloromethane
Concen: 0.547 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 50 Resp: 1022
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

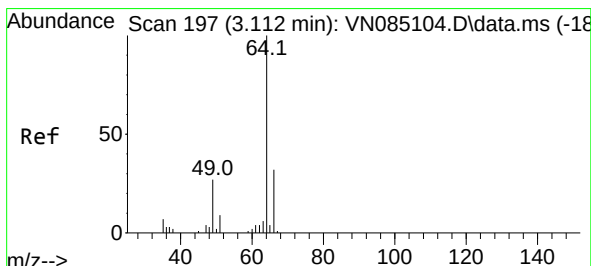
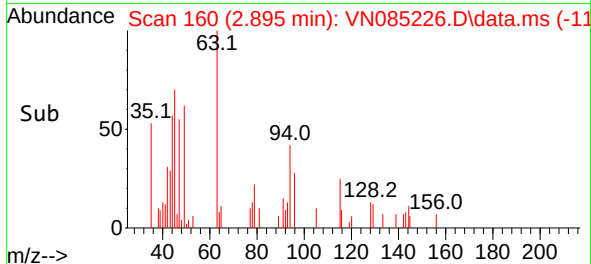
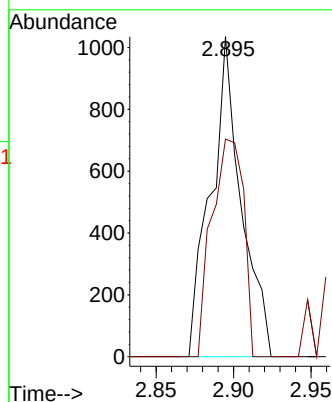
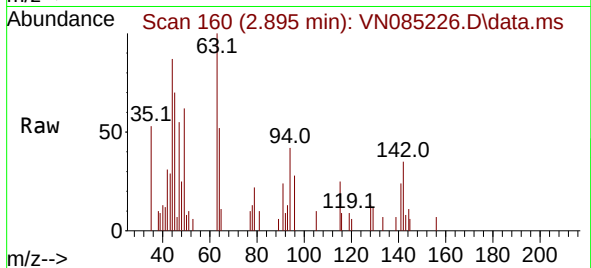




#5
Bromomethane
Concen: 1.505 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

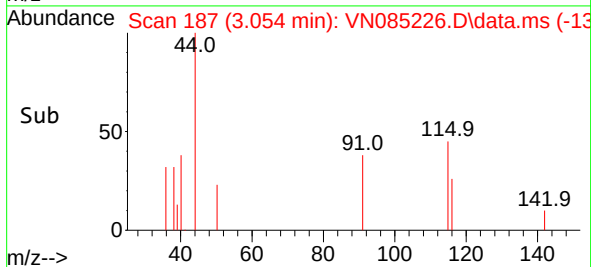
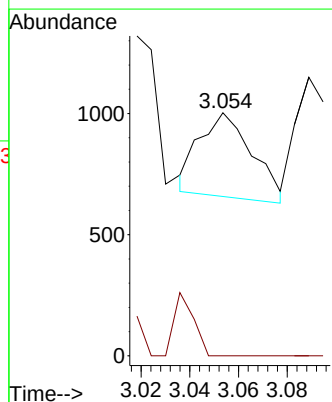
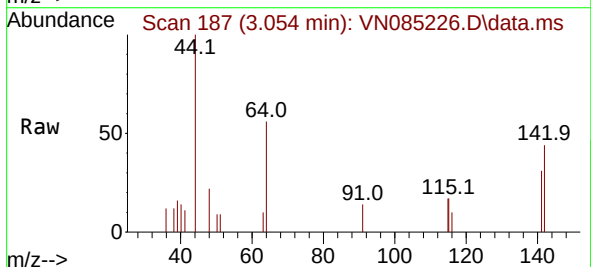
Instrument :
MSVOA_N
ClientSampleId :

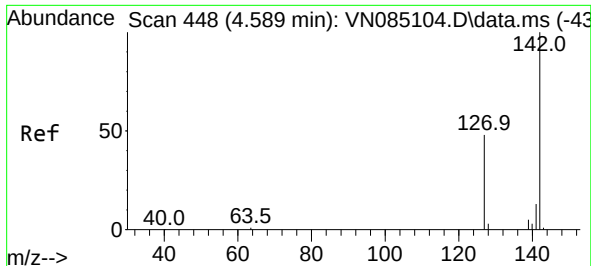
Tgt Ion: 94 Resp: 1417
Ion Ratio Lower Upper
94 100
96 68.0 78.7 118.1#



#6
Chloroethane
Concen: 0.456 ug/l
RT: 3.054 min Scan# 187
Delta R.T. -0.012 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

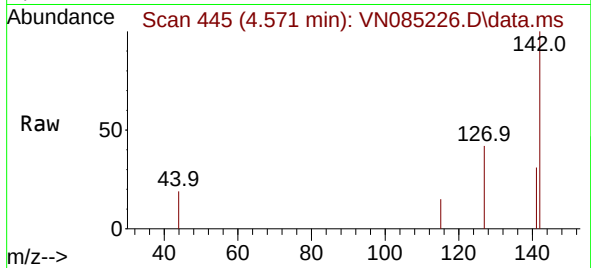
Tgt Ion: 64 Resp: 516
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



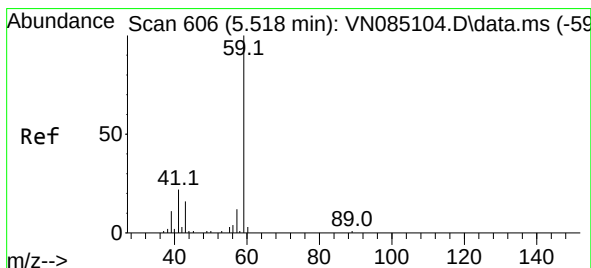
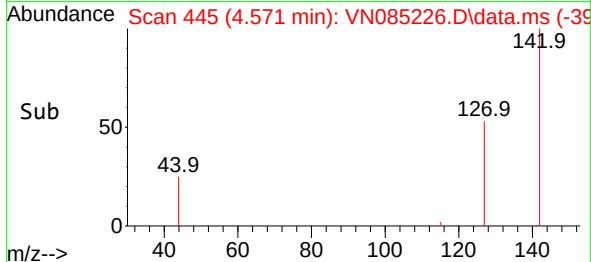
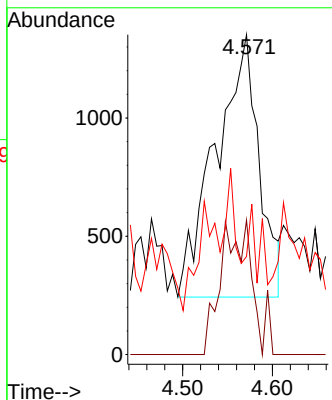


#10
Methyl Iodide
Concen: 1.736 ug/l
RT: 4.571 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :

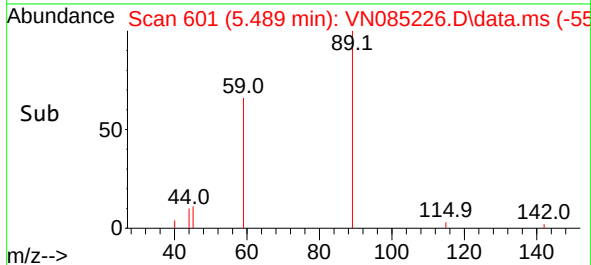
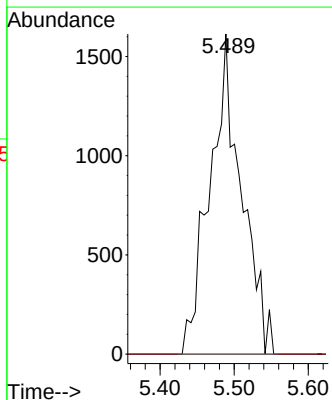
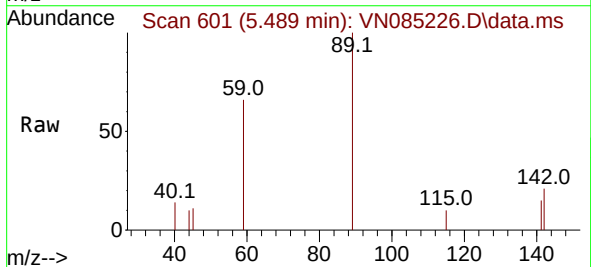


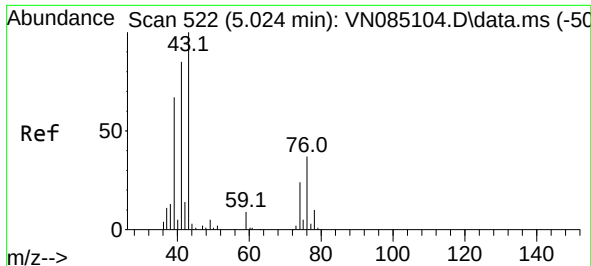
Tgt Ion:142 Resp: 3723
Ion Ratio Lower Upper
142 100
127 51.2 36.6 54.8
141 12.1 12.2 18.4#



#11
Tert butyl alcohol
Concen: 17.598 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.053 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 59 Resp: 4774
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 51

Delta R.T. 0.018 min

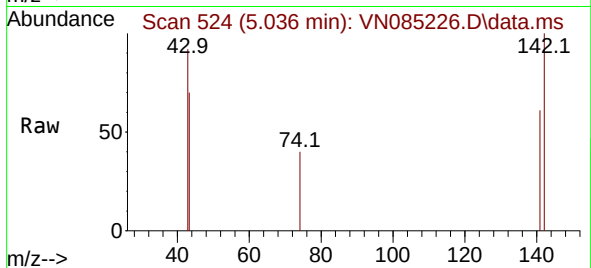
Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

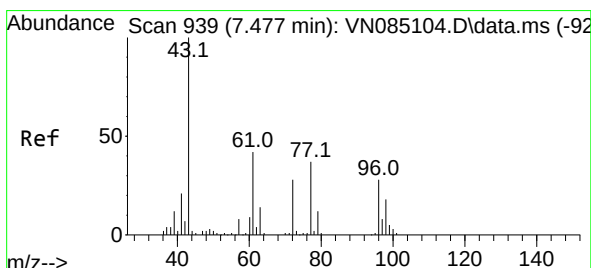
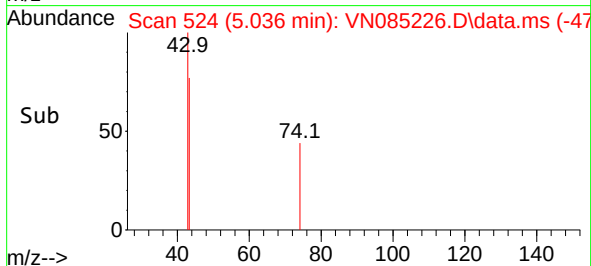
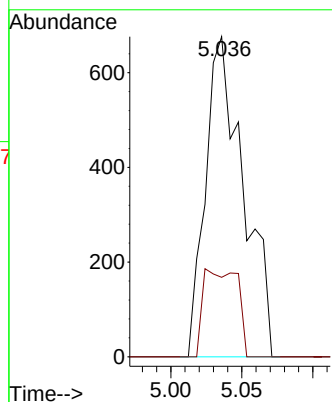


Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

74 24.9 20.1 30.1



#25

2-Butanone

Concen: 0.225 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN085226.D

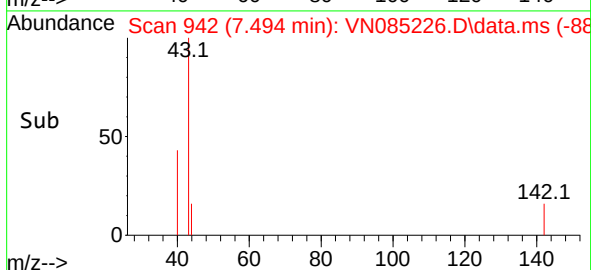
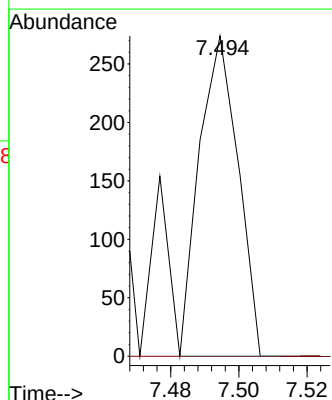
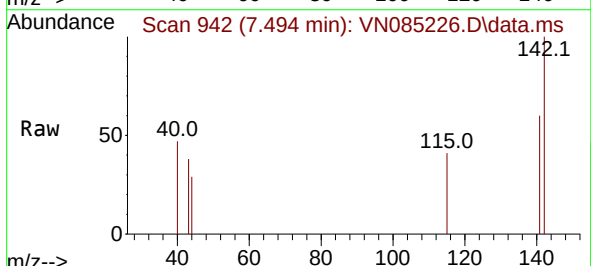
Acq: 17 Dec 2024 15:56

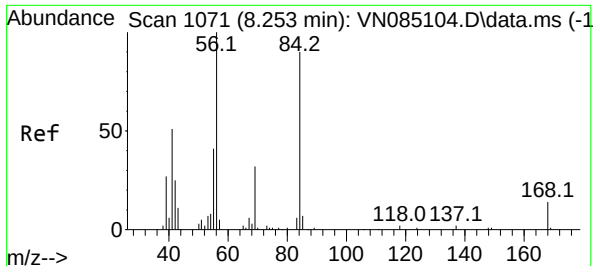
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

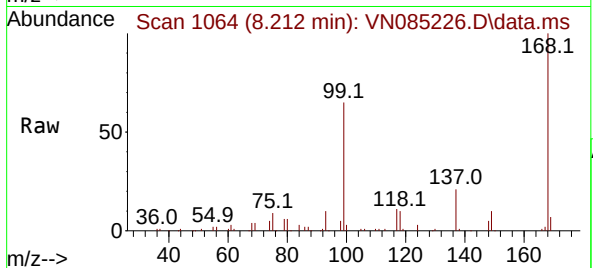
72 0.0 21.4 32.0#



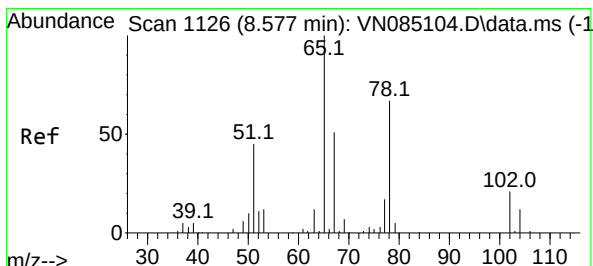
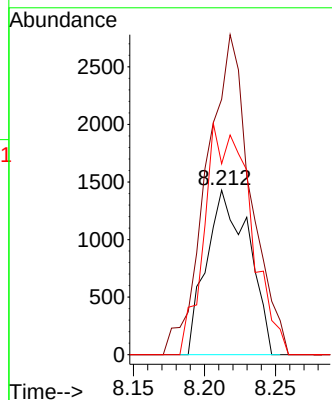
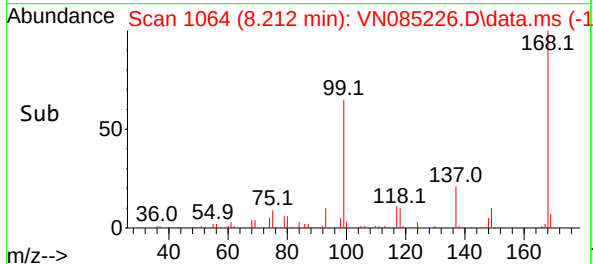


#31
Cyclohexane
Concen: 1.097 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Instrument :
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ClientSampleId :

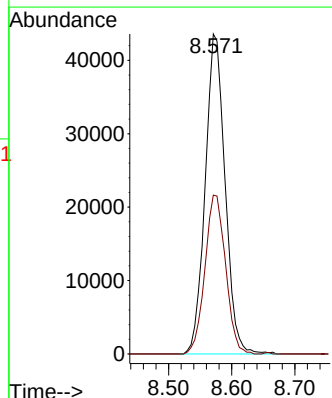
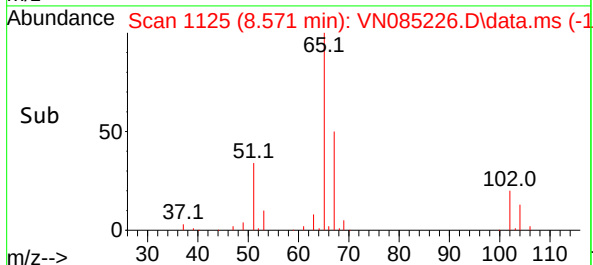
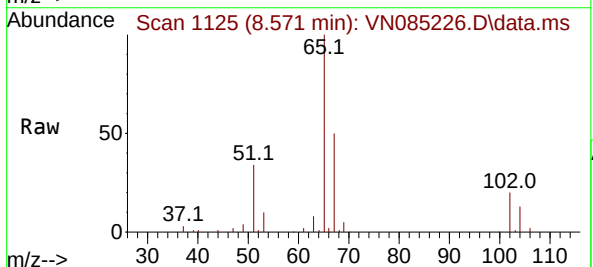


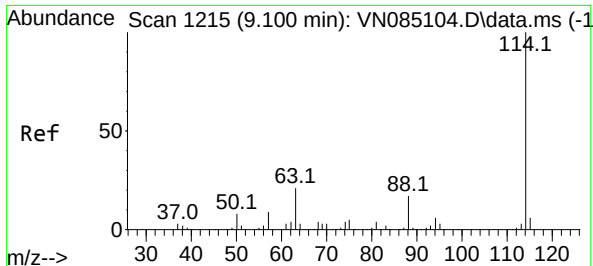
Tgt Ion: 56 Resp: 2966
Ion Ratio Lower Upper
56 100
69 138.7 24.6 36.8#
84 116.0 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 46.935 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 65 Resp: 95279
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

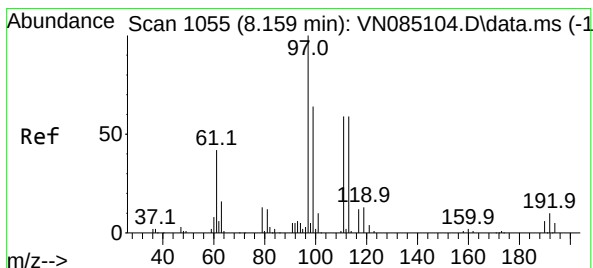
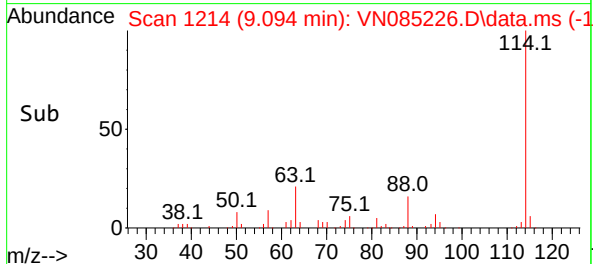
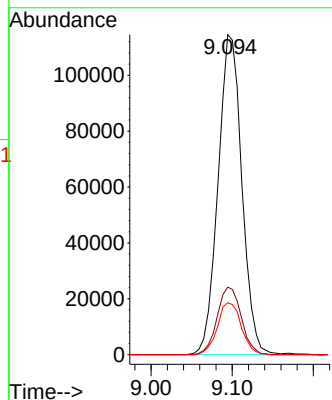
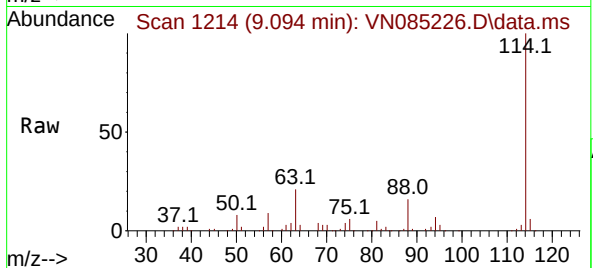
Tgt Ion:114 Resp: 233387

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 16.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.732 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

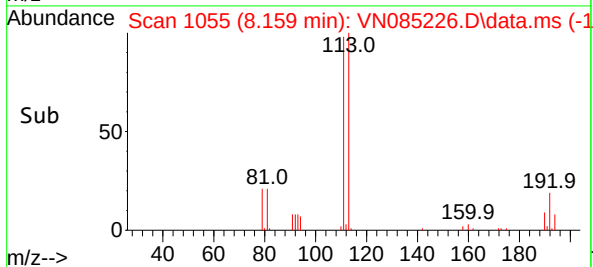
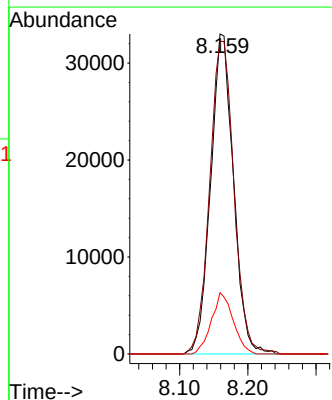
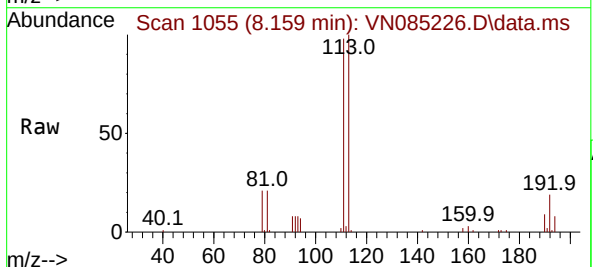
Tgt Ion:113 Resp: 76698

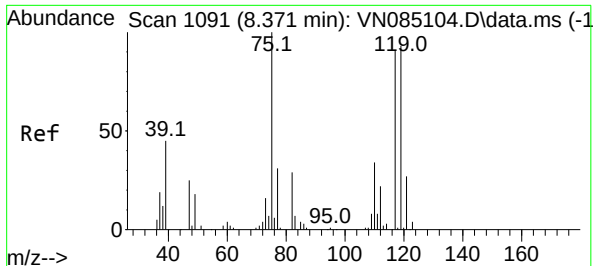
Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.380 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

Instrument :

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ClientSampleId :

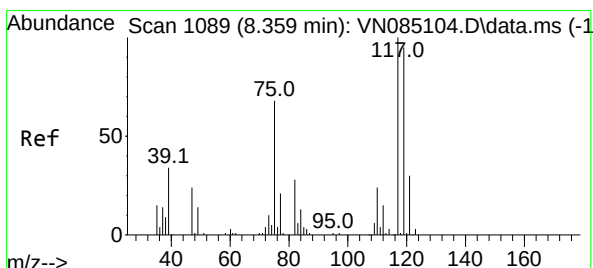
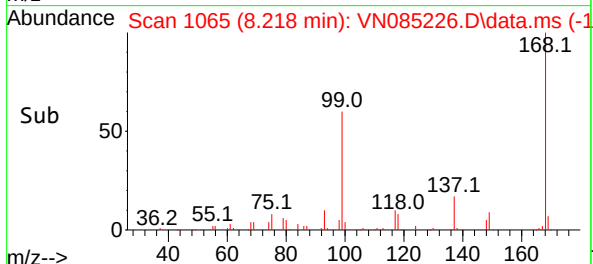
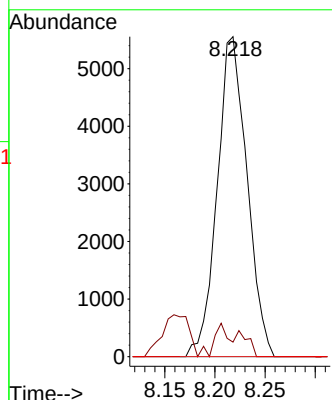
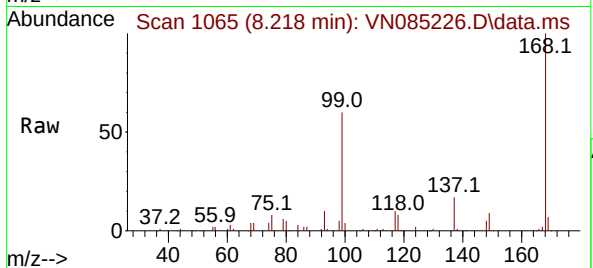
Tgt Ion: 75 Resp: 11469

Ion Ratio Lower Upper

75 100

110 3.3 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.061 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

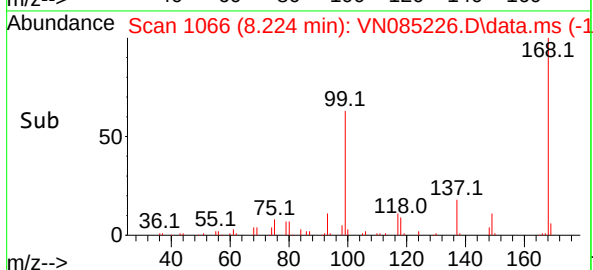
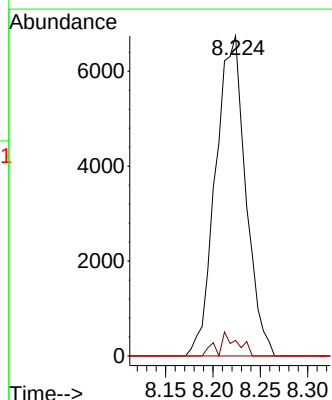
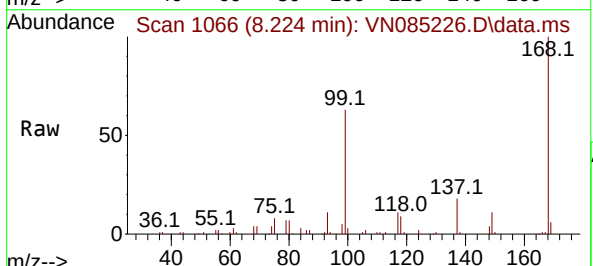
Tgt Ion: 117 Resp: 14914

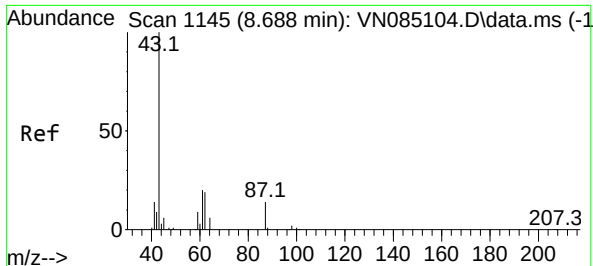
Ion Ratio Lower Upper

117 100

119 4.8 78.6 117.8#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.288 ug/l

RT: 8.683 min Scan# 1145

Delta R.T. 0.000 min

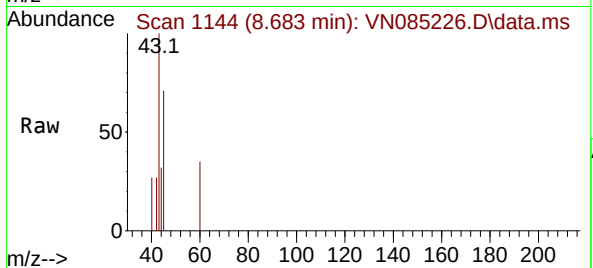
Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

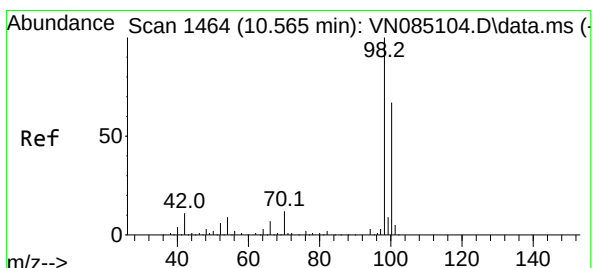
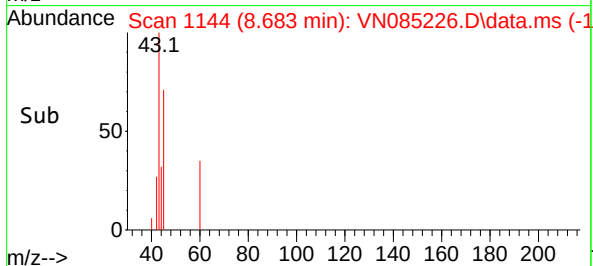
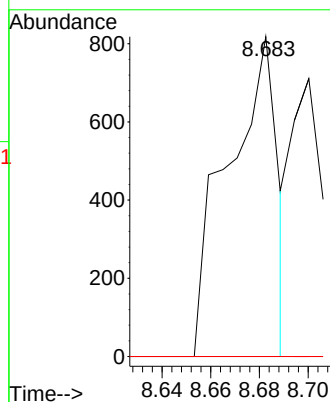
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1159
Ion Ratio	Lower Upper
43	100
61	0.0 20.6 30.8#
87	0.0 11.0 16.4#



#50

Toluene-d8

Concen: 50.448 ug/l

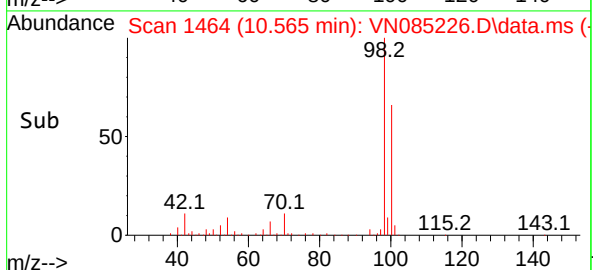
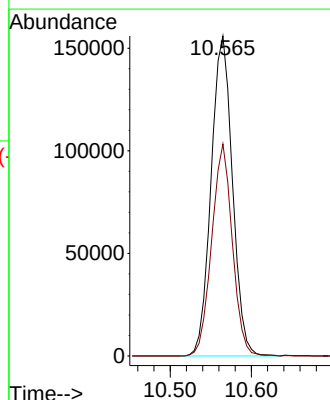
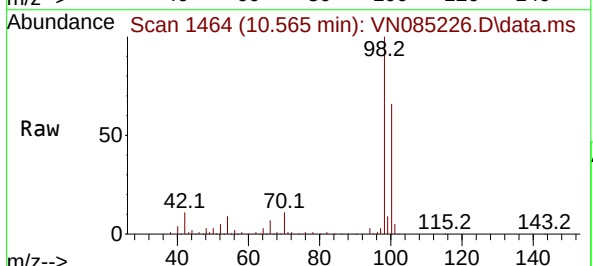
RT: 10.565 min Scan# 1464

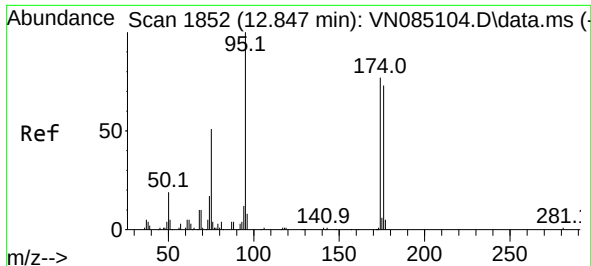
Delta R.T. 0.000 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

Tgt Ion: 98	Resp: 284551
Ion Ratio	Lower Upper
98	100
100	64.0 52.5 78.7

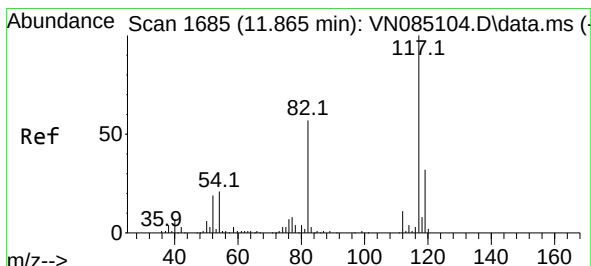
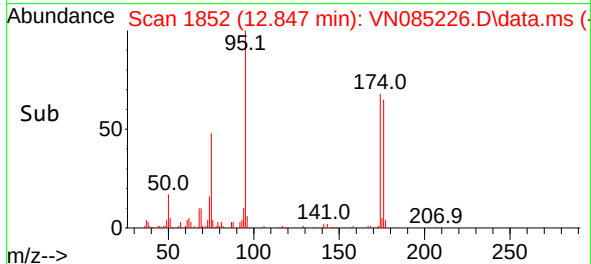
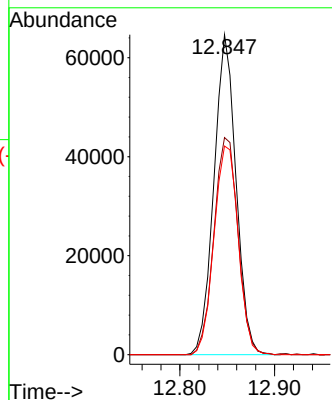
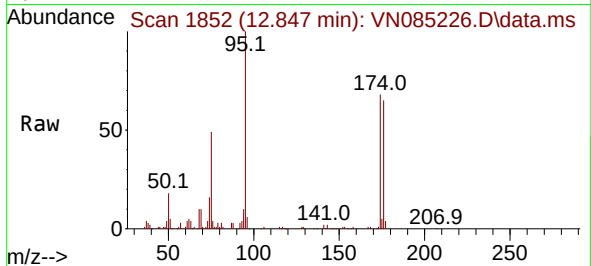




#62
4-Bromofluorobenzene
Concen: 49.780 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

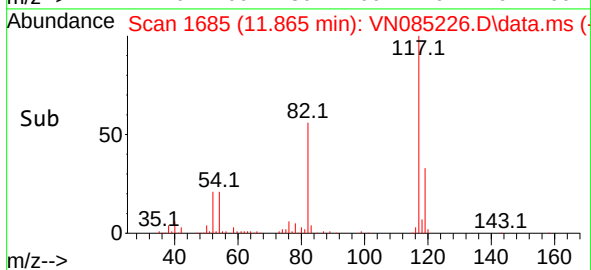
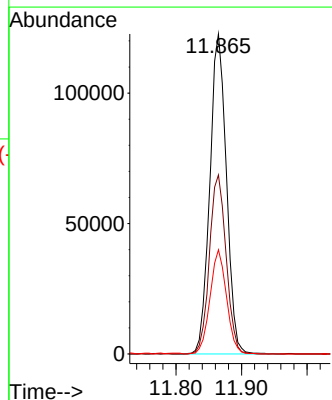
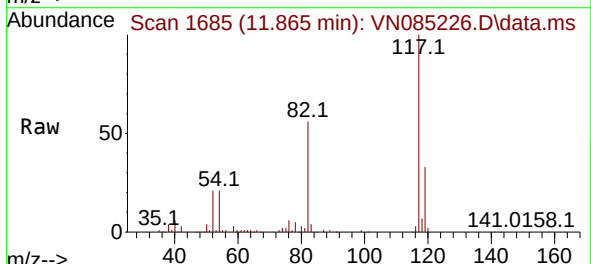
Instrument :
MSVOA_N
ClientSampleId :

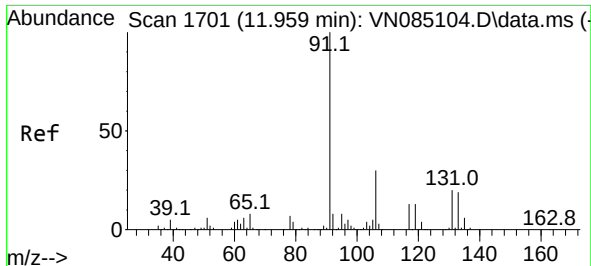
Tgt Ion: 95 Resp: 105002
Ion Ratio Lower Upper
95 100
174 73.9 0.0 146.6
176 71.5 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 117 Resp: 215690
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 32.6 25.6 38.4

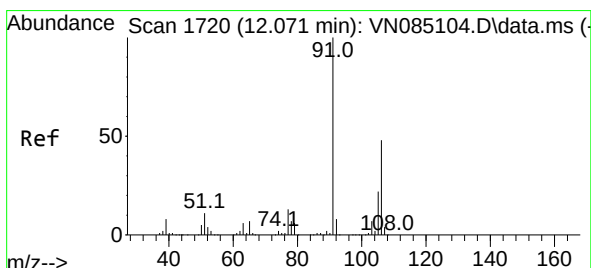
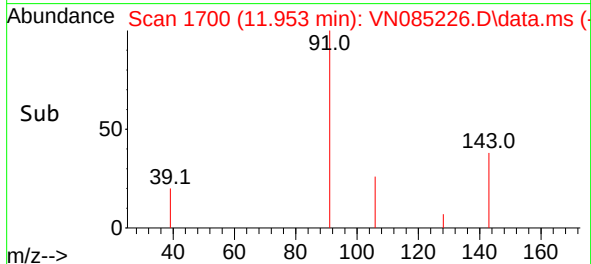
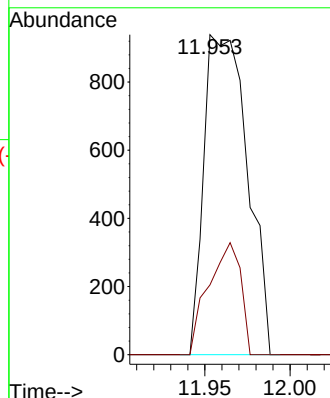
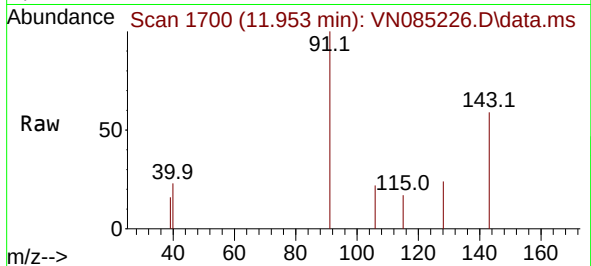




#67
Ethyl Benzene
Concen: 0.210 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

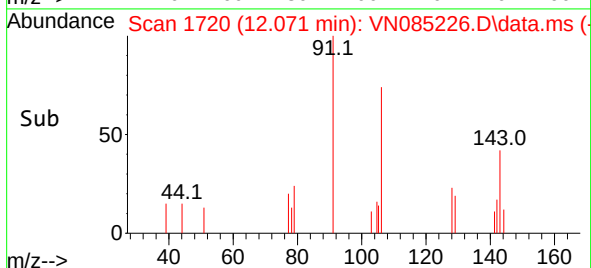
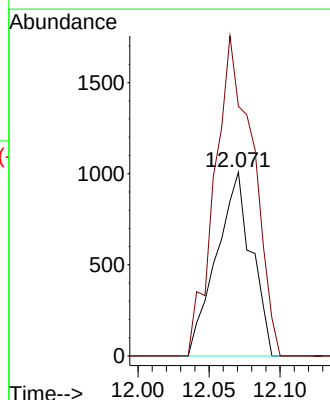
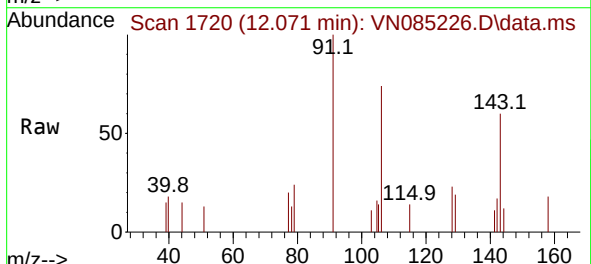
Instrument :
MSVOA_N
ClientSampleId :

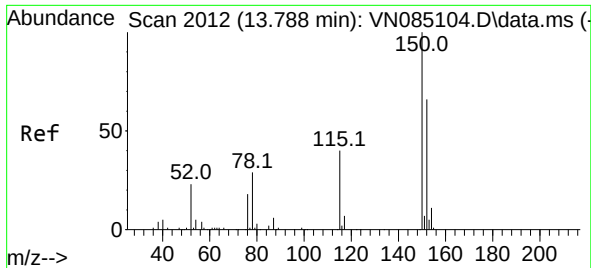
Tgt Ion: 91 Resp: 1666
Ion Ratio Lower Upper
91 100
106 21.8 24.7 37.1#



#68
m/p-Xylenes
Concen: 0.573 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

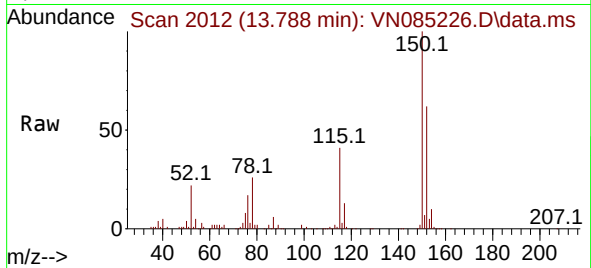
Tgt Ion: 106 Resp: 1731
Ion Ratio Lower Upper
106 100
91 189.8 168.0 252.0



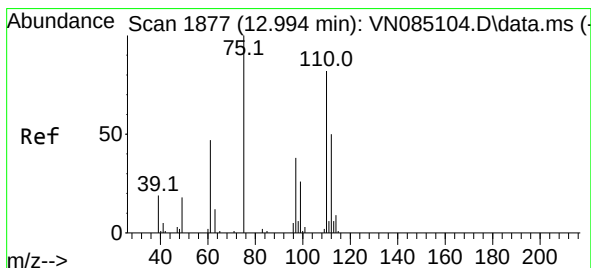
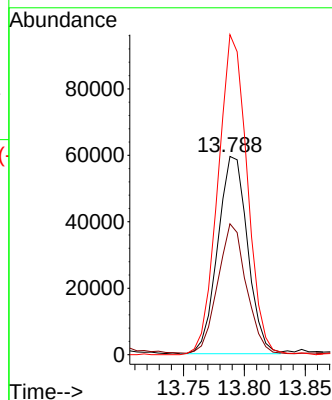
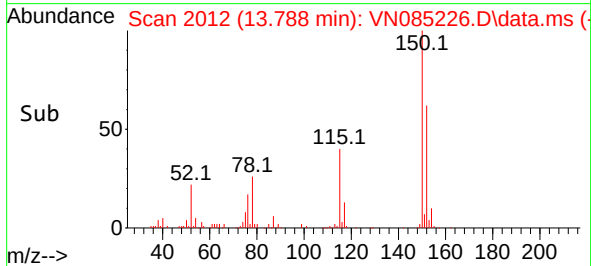


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085226.D
 Acq: 17 Dec 2024 15:56

Instrument :
 MSVOA_N
 ClientSampleId :

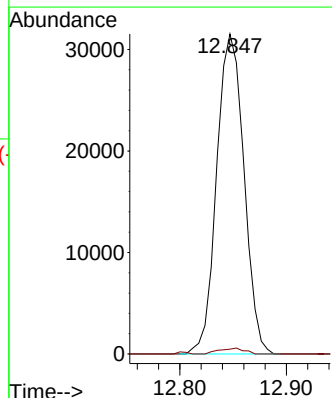
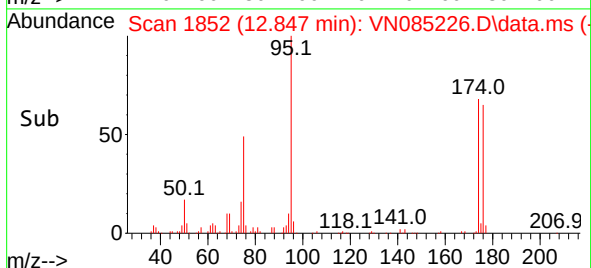
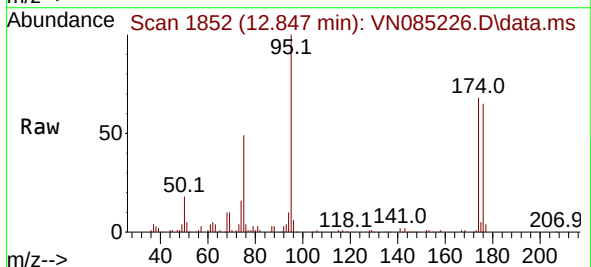


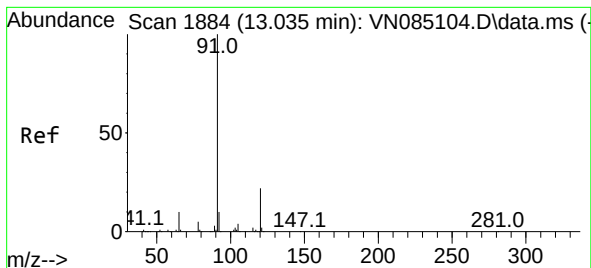
Tgt Ion:152 Resp: 101155
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.7 95.1
 150 159.7 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 30.441 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085226.D
 Acq: 17 Dec 2024 15:56

Tgt Ion: 75 Resp: 56009
 Ion Ratio Lower Upper
 75 100
 77 1.7 109.1 327.4#





#78

n-propylbenzene

Concen: 0.245 ug/l

RT: 13.035 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085226.D

Acq: 17 Dec 2024 15:56

Instrument :

MSVOA_N

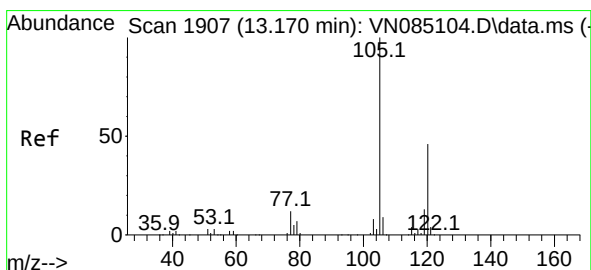
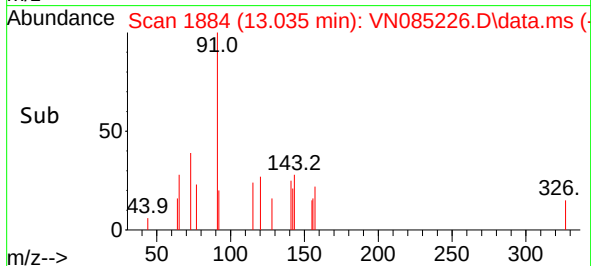
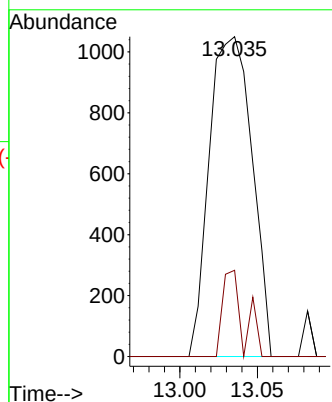
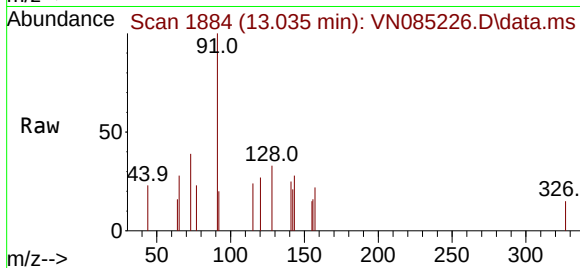
ClientSampleId :

Tgt Ion: 91 Resp: 2013

Ion Ratio Lower Upper

91 100

120 13.1 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 0.451 ug/l

RT: 13.335 min Scan# 1935

Delta R.T. 0.165 min

Lab File: VN085226.D

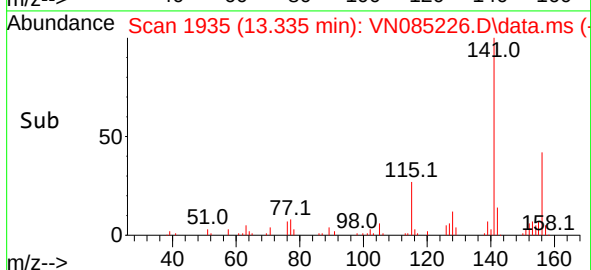
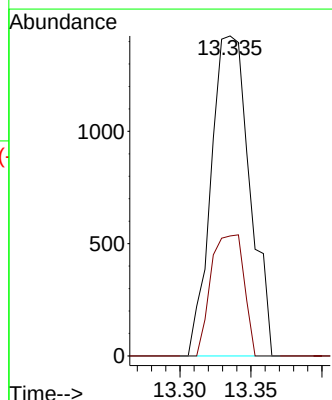
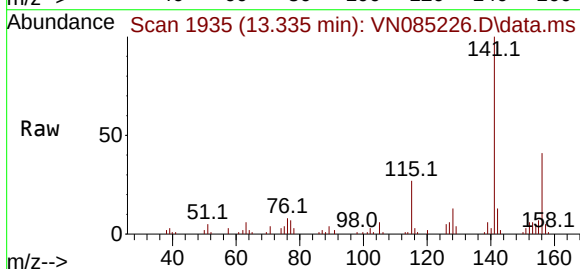
Acq: 17 Dec 2024 15:56

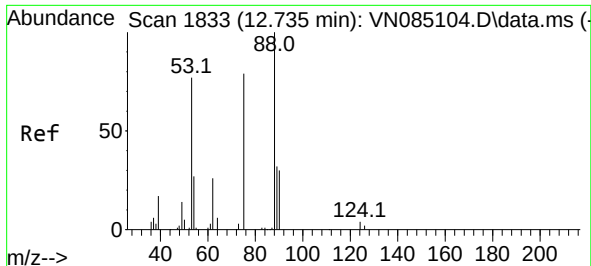
Tgt Ion:105 Resp: 2698

Ion Ratio Lower Upper

105 100

120 32.1 23.6 71.0

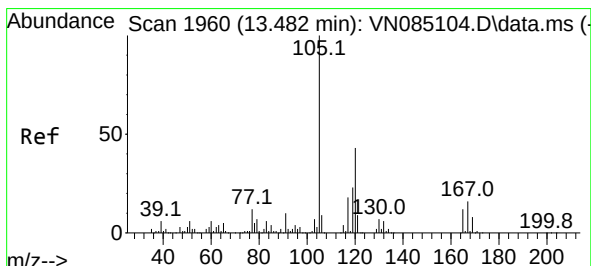
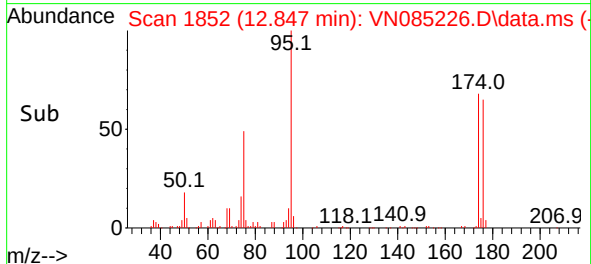
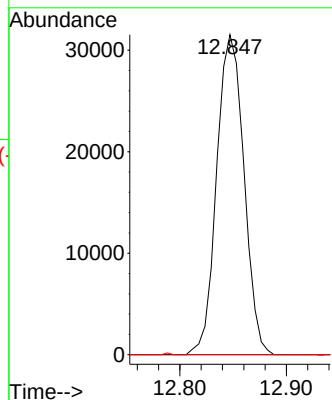
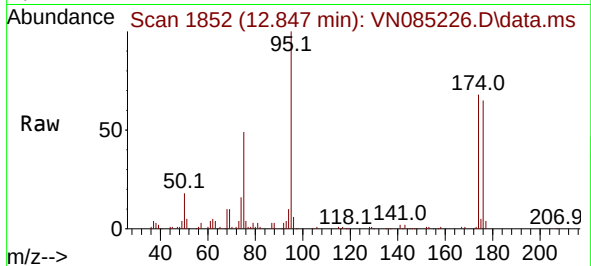




#81
trans-1,4-Dichloro-2-butene
Concen: 67.200 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

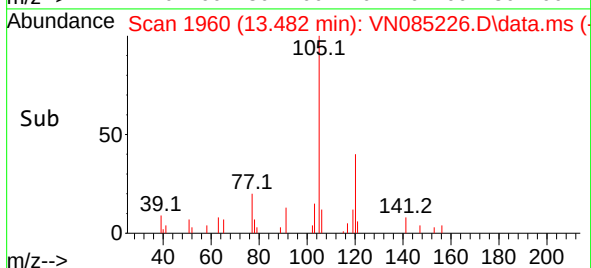
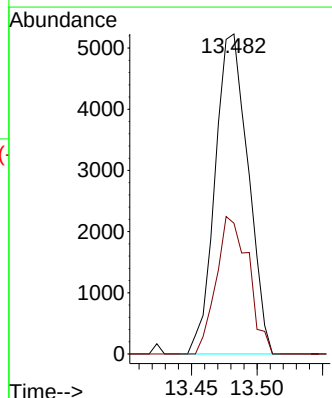
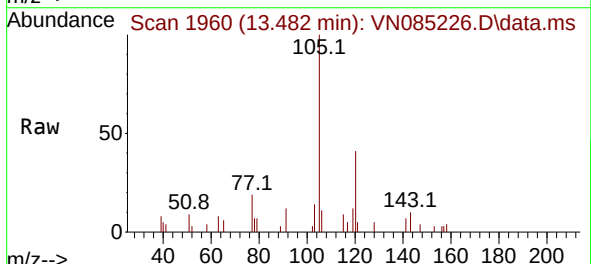
Instrument :
MSVOA_N
ClientSampleId :

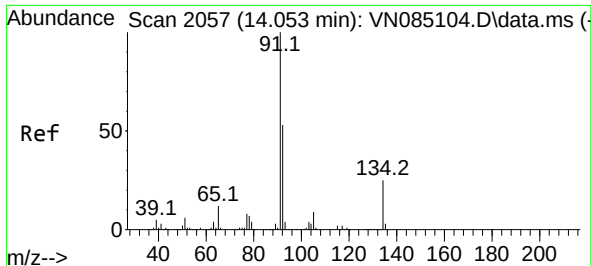
Tgt Ion: 75 Resp: 56009
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.486 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 105 Resp: 9157
Ion Ratio Lower Upper
105 100
120 42.0 21.8 65.4

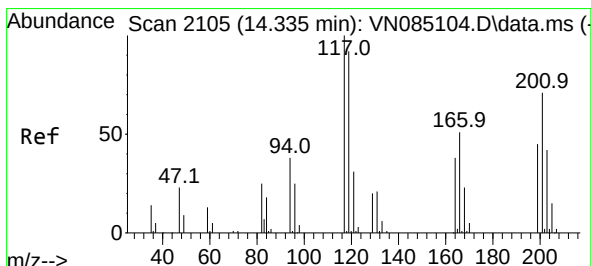
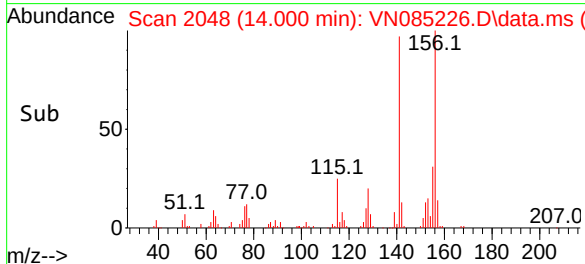
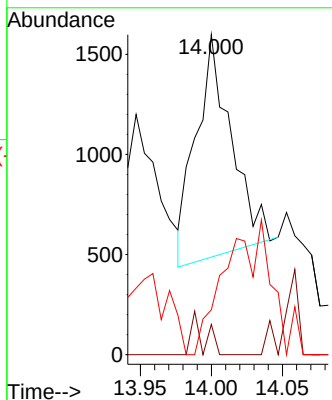
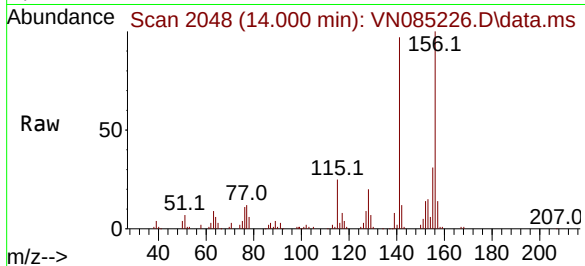




#89
n-Butylbenzene
Concen: 0.361 ug/l
RT: 14.000 min Scan# 2057
Delta R.T. -0.053 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

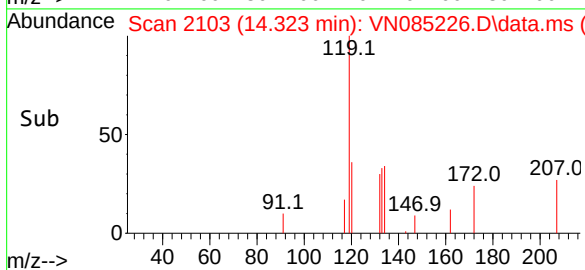
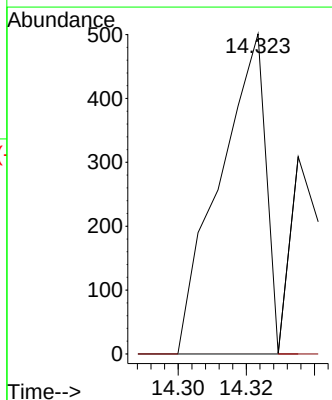
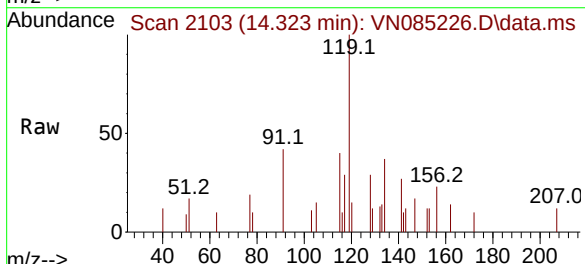
Instrument :
MSVOA_N
ClientSampleId :

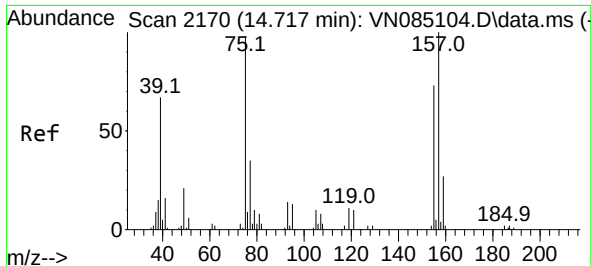
Tgt Ion: 91 Resp: 1929
Ion Ratio Lower Upper
91 100
92 6.7 26.8 80.3#
134 0.0 12.8 38.4#



#90
Hexachloroethane
Concen: 0.377 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

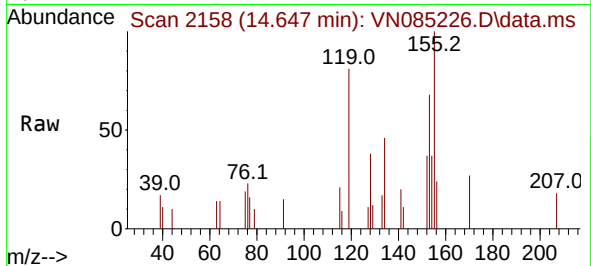
Tgt Ion: 117 Resp: 472
Ion Ratio Lower Upper
117 100
201 0.0 35.2 105.6#



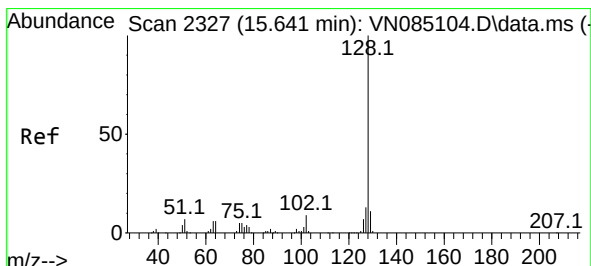
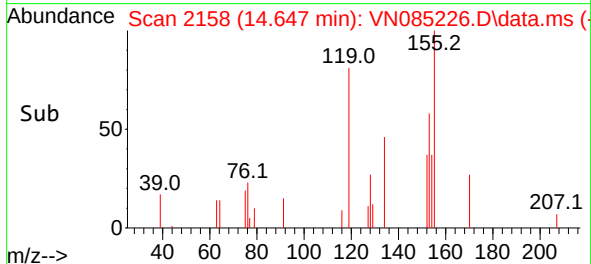
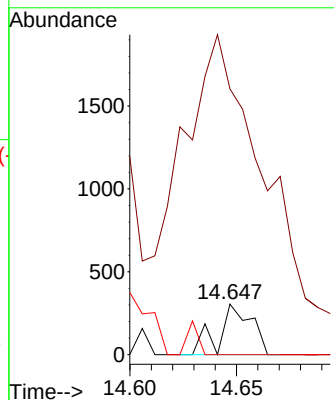


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.688 ug/l
RT: 14.647 min Scan# 2170
Delta R.T. -0.071 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
155 1256.2 38.9 116.7#
157 0.0 48.3 144.9#



#95
Naphthalene
Concen: 49.554 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085226.D
Acq: 17 Dec 2024 15:56

Tgt Ion: 128 Resp: 278307
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.2 8.6 12.8

