

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085037.D
 Acq On : 26 Nov 2024 11:45
 Operator : JC\MD
 Sample : VN1126WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 05:10:45 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

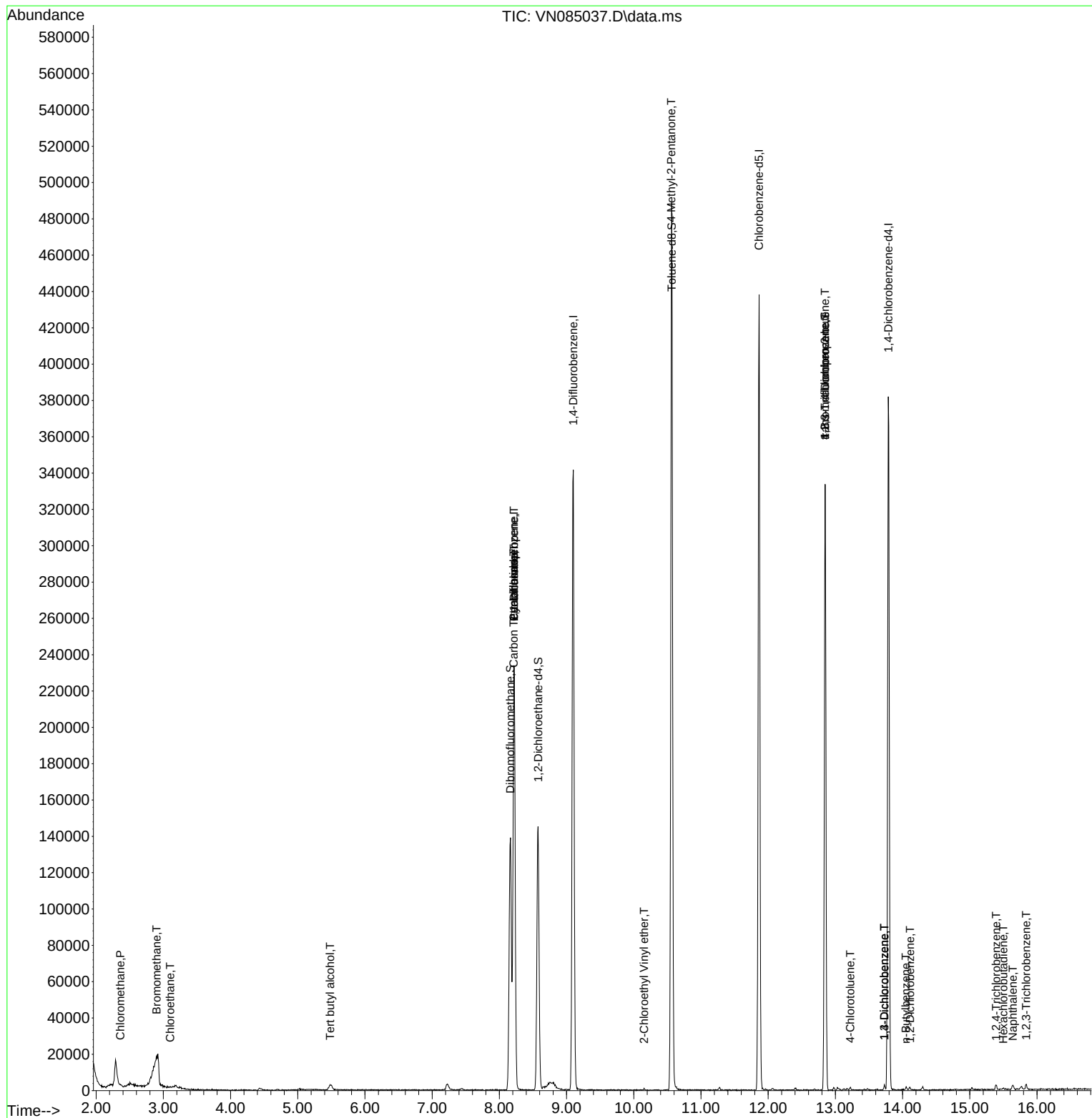
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123577	51.697	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.400%
35) Dibromofluoromethane	8.165	113	99444	49.889	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.780%
50) Toluene-d8	10.565	98	331911	46.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.920%
62) 4-Bromofluorobenzene	12.847	95	116119	43.467	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	86.940%
Target Compounds						Qvalue
3) Chloromethane	2.359	50	684	0.311	ug/l	88
5) Bromomethane	2.900	94	583	0.526	ug/l #	1
6) Chloroethane	3.100	64	367	0.275	ug/l #	44
11) Tert butyl alcohol	5.483	59	2837	8.881	ug/l #	75
18) Methyl Acetate	5.030	43	636	Below Cal	#	50
31) Cyclohexane	8.218	56	3265	1.025	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13927	5.158	ug/l #	50
38) Carbon Tetrachloride	8.212	117	17986	5.771	ug/l #	15
51) 4-Methyl-2-Pentanone	10.559	43	1659	0.712	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.153	63	407	0.302	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	59262	31.370	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59262	69.252	ug/l #	10
82) 4-Chlorotoluene	13.223	91	1222	0.208	ug/l	84
87) 1,3-Dichlorobenzene	13.729	146	1405	0.361	ug/l	75
88) 1,4-Dichlorobenzene	13.729	146	1405	0.354	ug/l	76
89) n-Butylbenzene	14.047	91	1417	0.258	ug/l #	76
91) 1,2-Dichlorobenzene	14.111	146	867	0.233	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	1322	0.653	ug/l	86
94) Hexachlorobutadiene	15.500	225	404	0.432	ug/l #	61
95) Naphthalene	15.641	128	3281	0.569	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.841	180	1189	0.615	ug/l	98

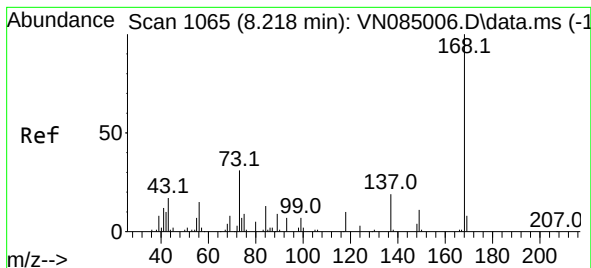
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

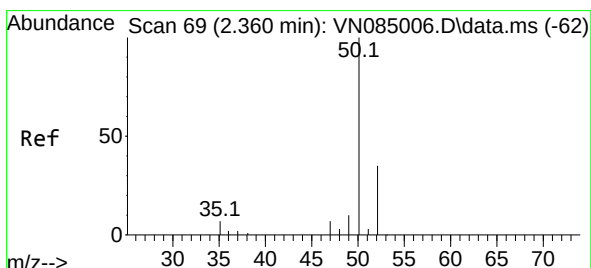
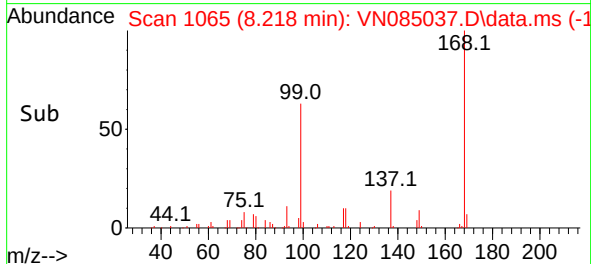
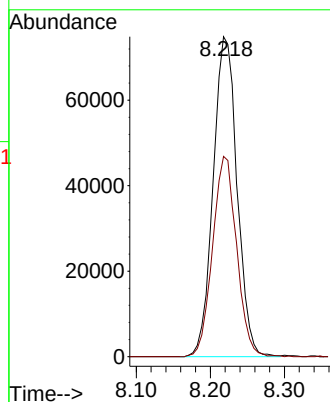
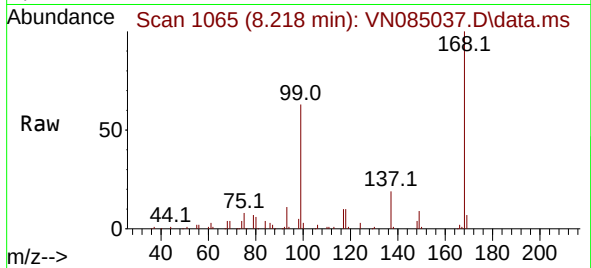




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

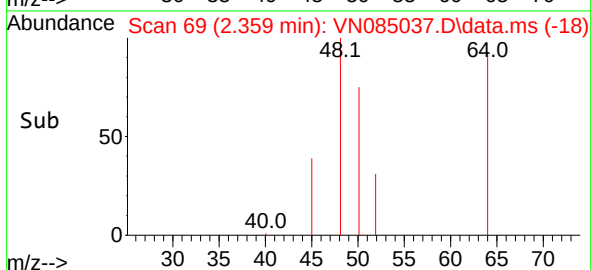
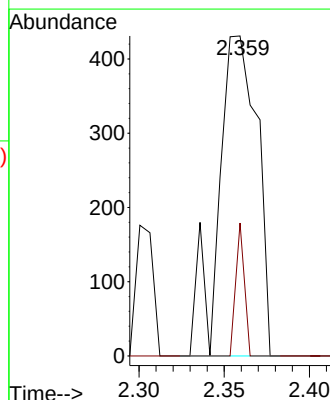
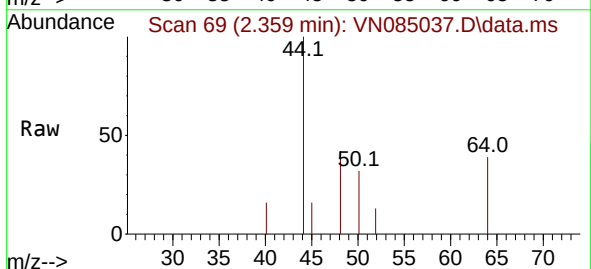
Instrument :
MSVOA_N
ClientSampleId :

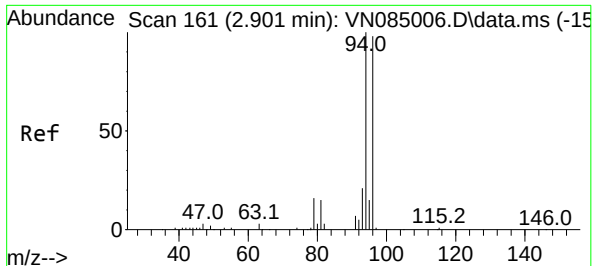
Tgt Ion:168 Resp: 167817
Ion Ratio Lower Upper
168 100
99 62.6 51.2 76.8



#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 50 Resp: 684
Ion Ratio Lower Upper
50 100
52 41.5 27.8 41.8

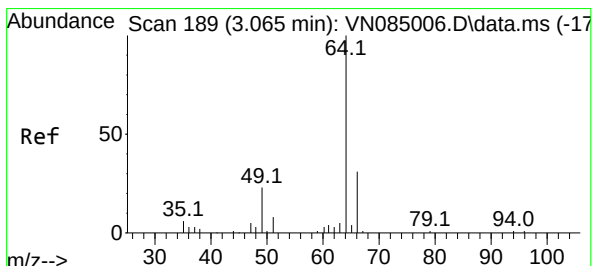
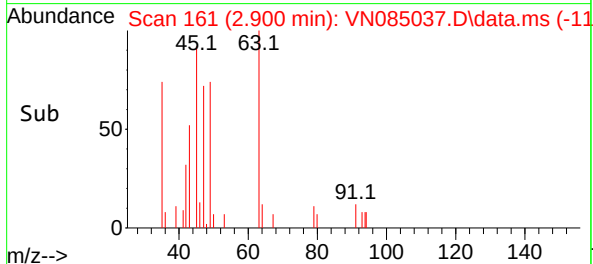
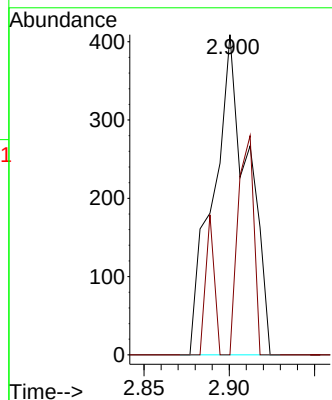
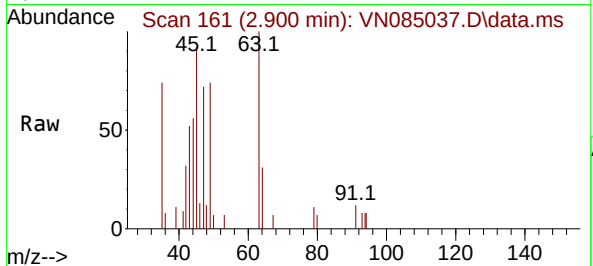




#5
Bromomethane
Concen: 0.526 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

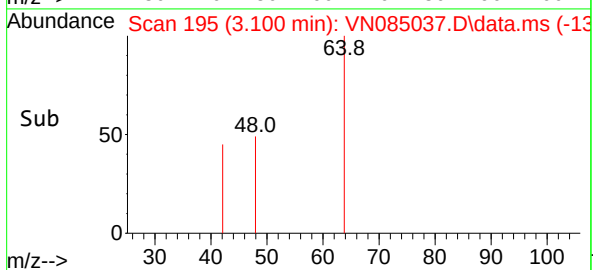
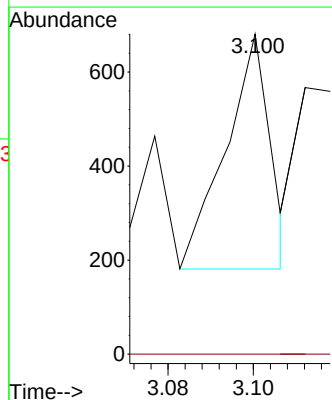
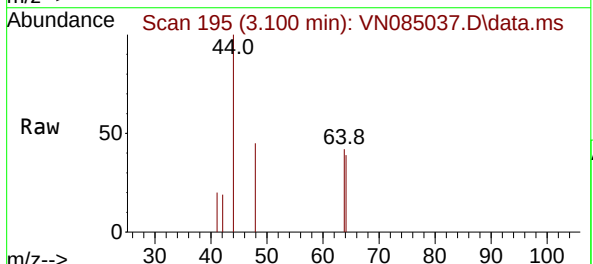
Instrument :
MSVOA_N
ClientSampleId :

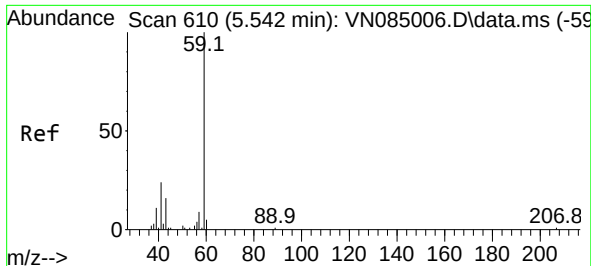
Tgt Ion: 94 Resp: 583
Ion Ratio Lower Upper
94 100
96 0.0 78.7 118.1#



#6
Chloroethane
Concen: 0.275 ug/l
RT: 3.100 min Scan# 195
Delta R.T. 0.035 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

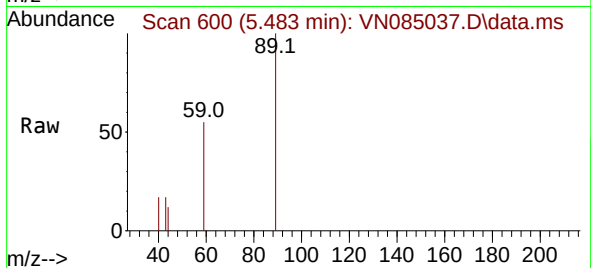
Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



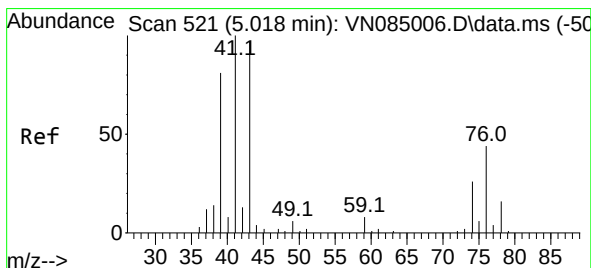
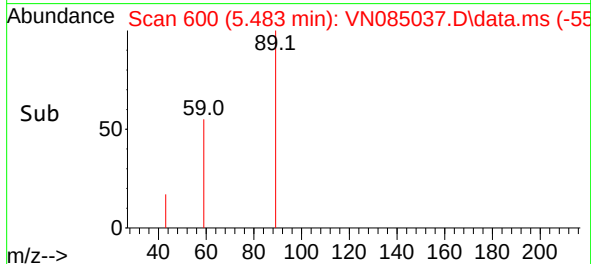
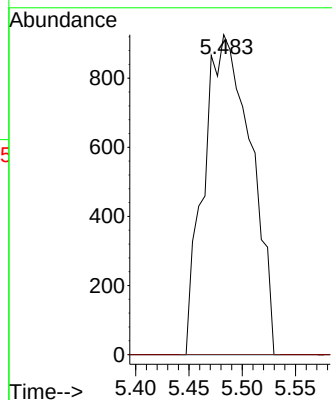


#11
Tert butyl alcohol
Concen: 8.881 ug/l
RT: 5.483 min Scan# 60
Delta R.T. -0.059 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

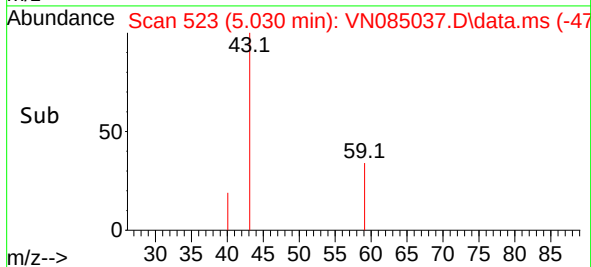
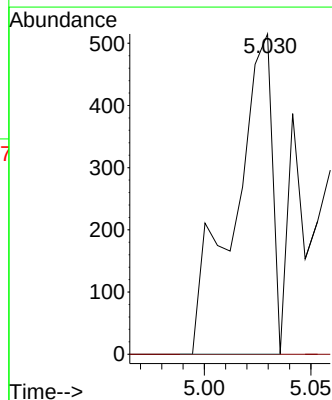
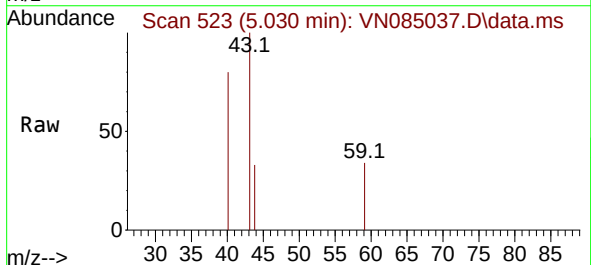


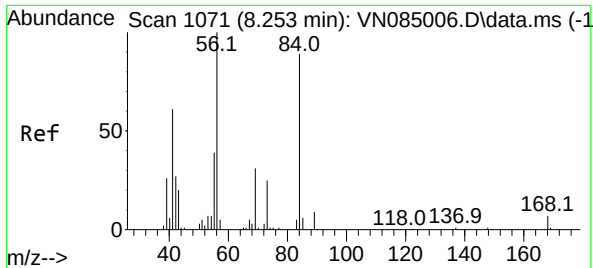
Tgt Ion: 59 Resp: 2837
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

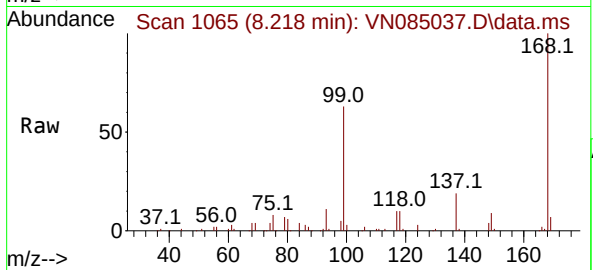
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



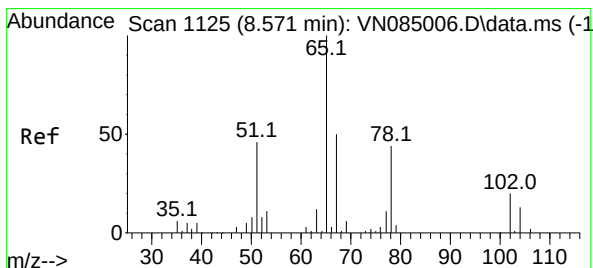
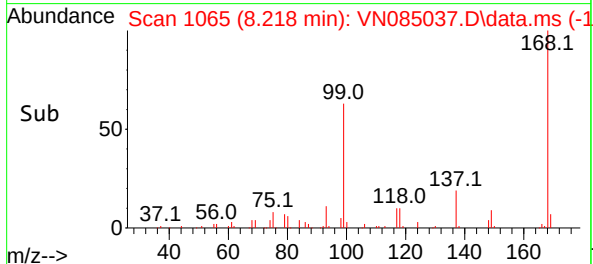
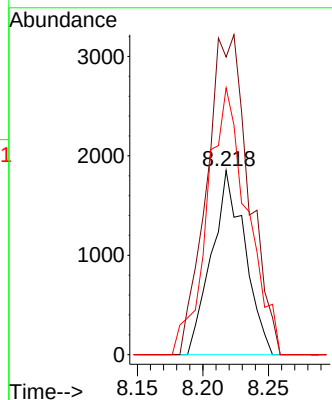


#31
Cyclohexane
Concen: 1.025 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

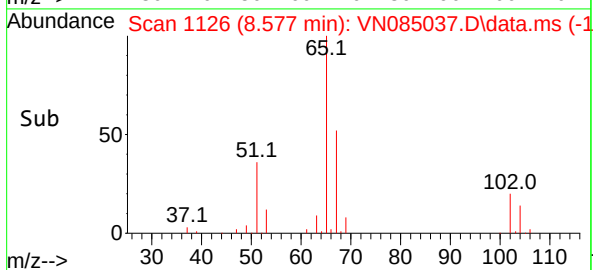
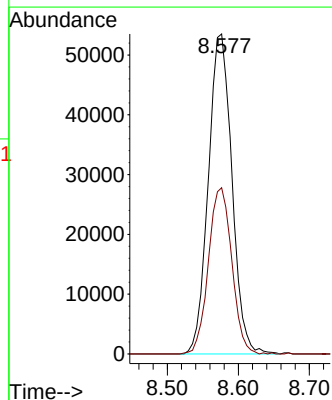
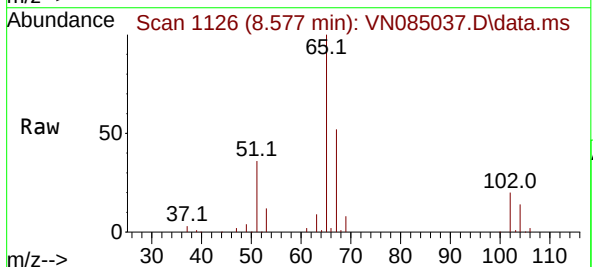


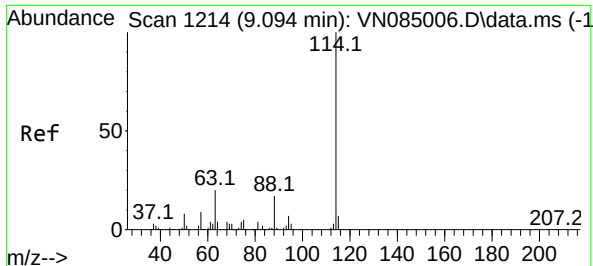
Tgt Ion: 56 Resp: 3265
Ion Ratio Lower Upper
56 100
69 161.5 24.6 36.8#
84 144.8 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.697 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 65 Resp: 123577
Ion Ratio Lower Upper
65 100
67 51.4 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: VN085037.D

Acq: 26 Nov 2024 11:45

Instrument :

MSVOA_N

ClientSampleId :

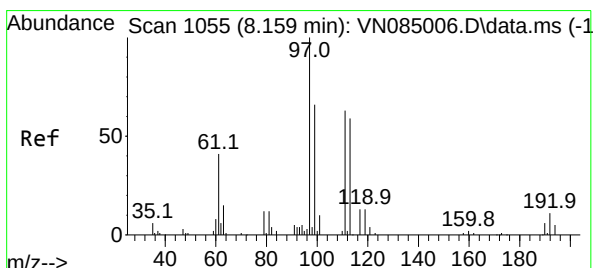
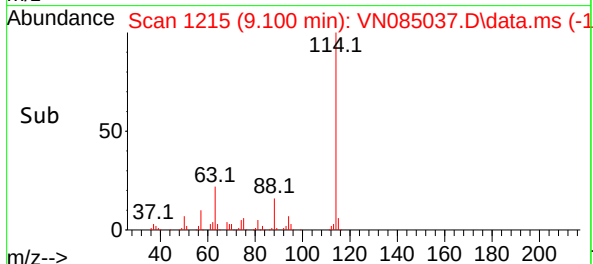
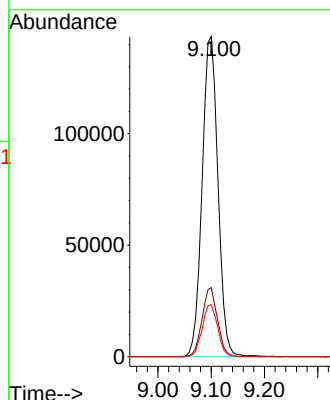
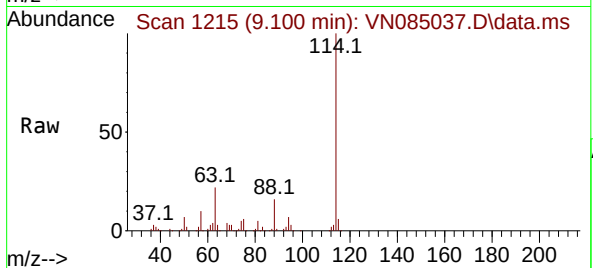
Tgt Ion:114 Resp: 295581

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.0

88 16.3 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.889 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085037.D

Acq: 26 Nov 2024 11:45

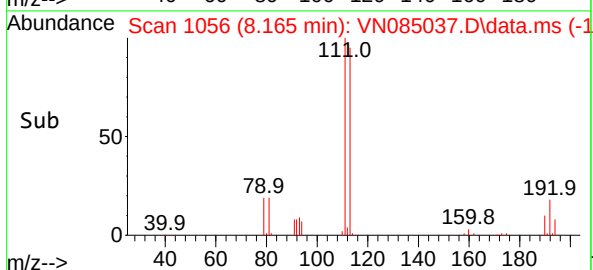
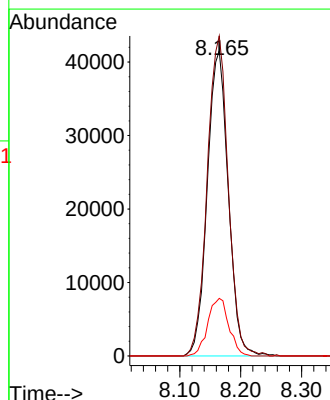
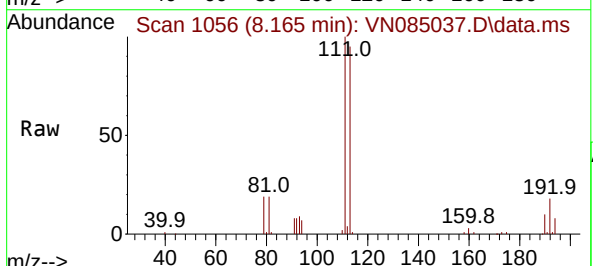
Tgt Ion:113 Resp: 99444

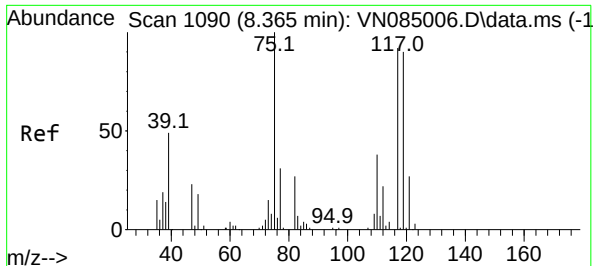
Ion Ratio Lower Upper

113 100

111 105.2 82.0 123.0

192 19.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085037.D

Acq: 26 Nov 2024 11:45

Instrument :

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ClientSampleId :

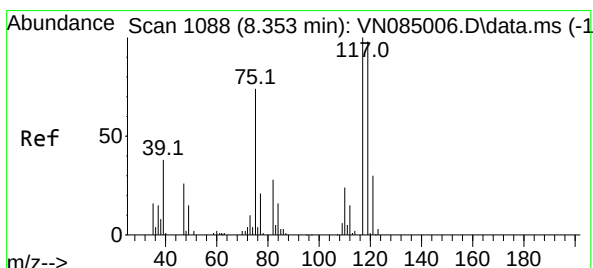
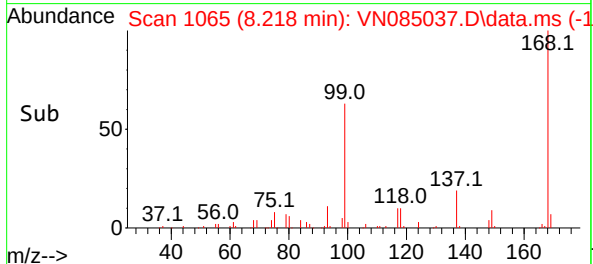
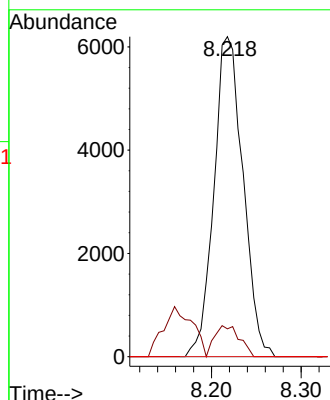
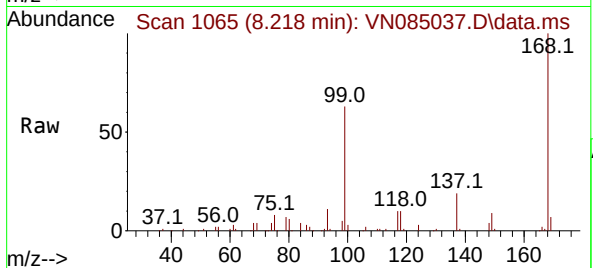
Tgt Ion: 75 Resp: 13927

Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.771 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN085037.D

Acq: 26 Nov 2024 11:45

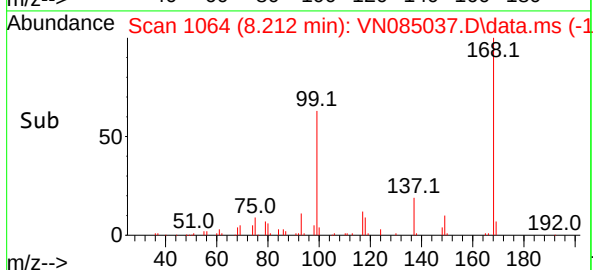
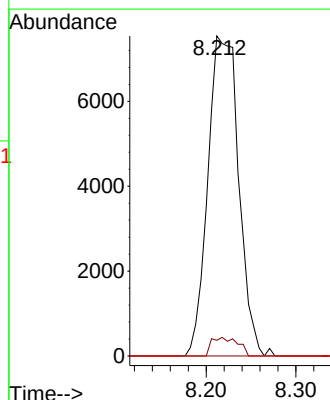
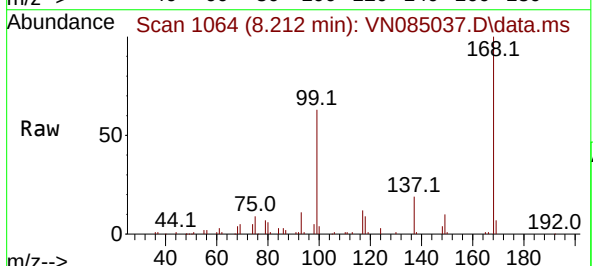
Tgt Ion: 117 Resp: 17986

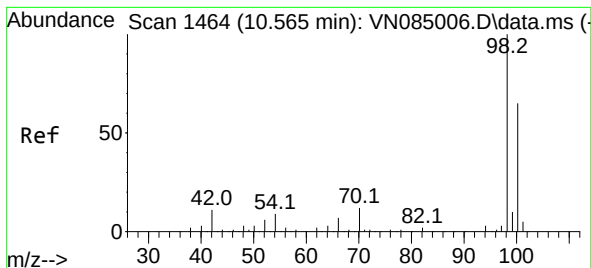
Ion Ratio Lower Upper

117 100

119 4.9 78.6 117.8#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 46.463 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085037.D

Acq: 26 Nov 2024 11:45

Instrument :

MSVOA_N

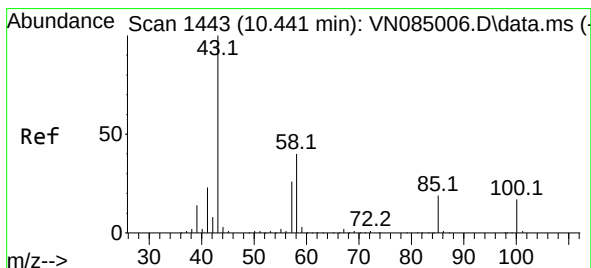
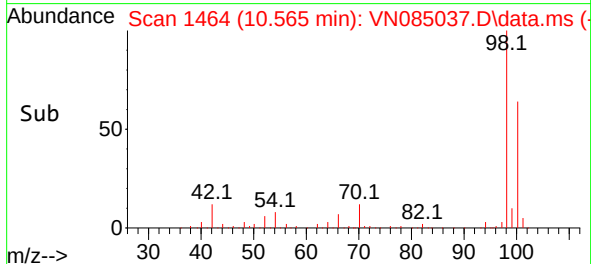
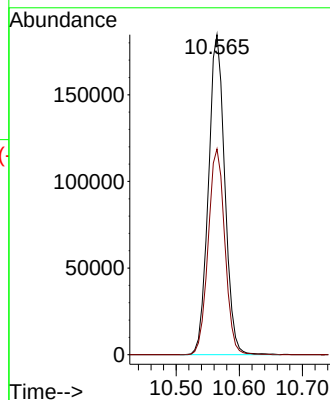
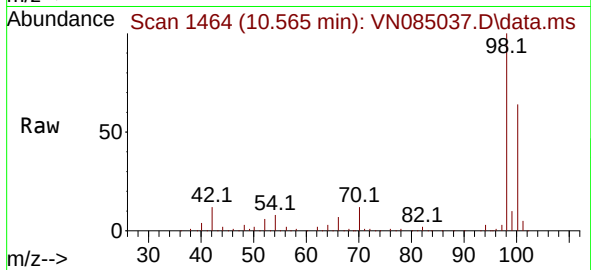
ClientSampleId :

Tgt Ion: 98 Resp: 331911

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.712 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.117 min

Lab File: VN085037.D

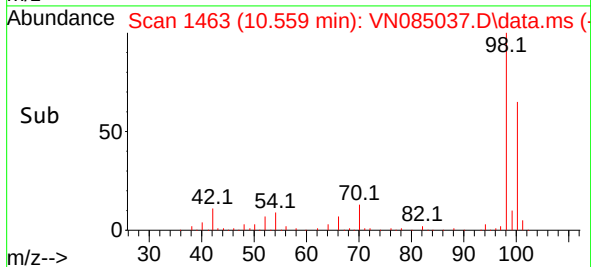
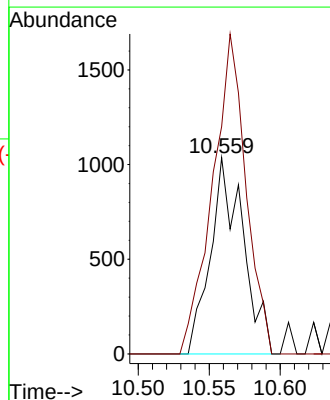
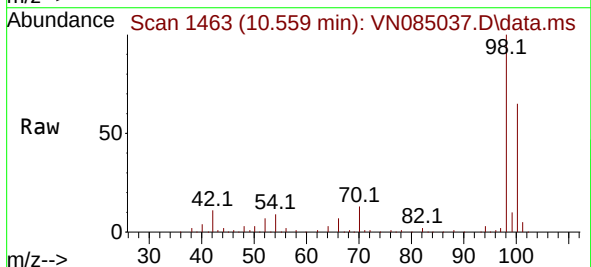
Acq: 26 Nov 2024 11:45

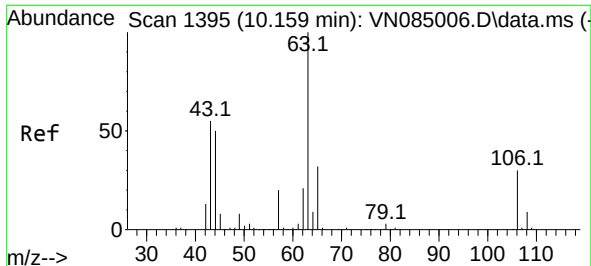
Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

43 100

58 166.8 32.1 48.1#

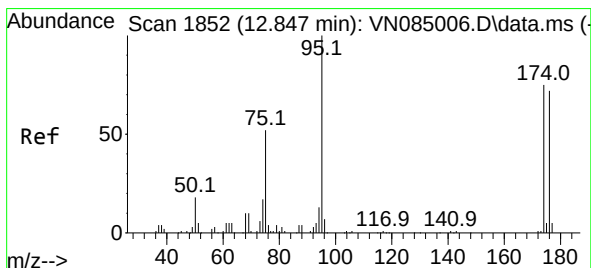
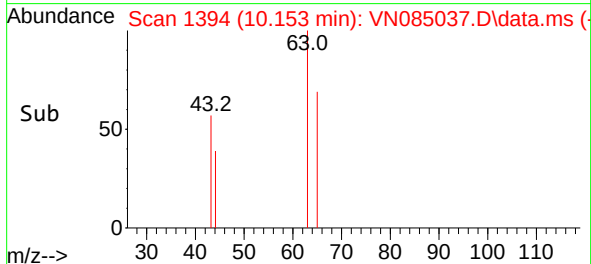
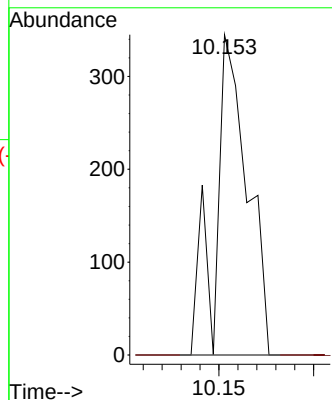
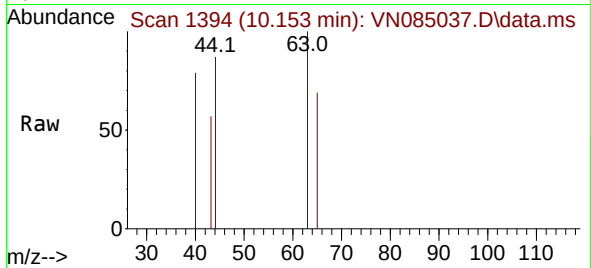




#58
2-Chloroethyl Vinyl ether
Concen: 0.302 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

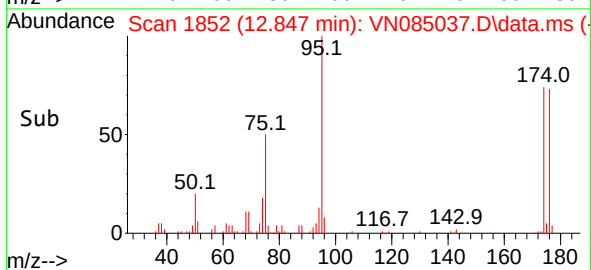
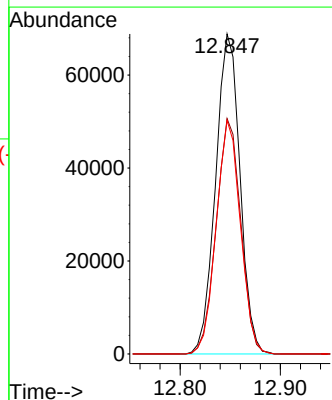
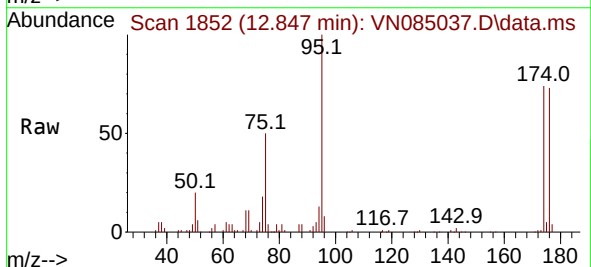
Instrument :
MSVOA_N
ClientSampleId :

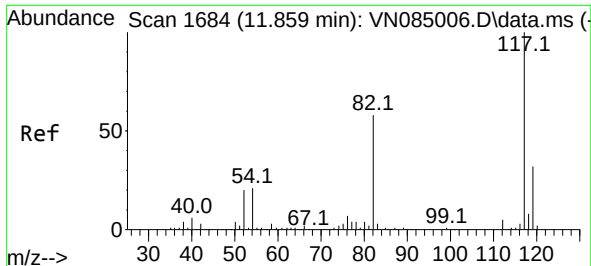
Tgt Ion: 63 Resp: 407
Ion Ratio Lower Upper
63 100
106 0.0 23.0 34.6#



#62
4-Bromofluorobenzene
Concen: 43.467 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 95 Resp: 116119
Ion Ratio Lower Upper
95 100
174 74.0 0.0 146.6
176 72.5 0.0 141.8

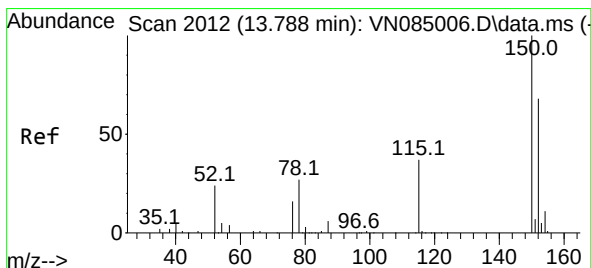
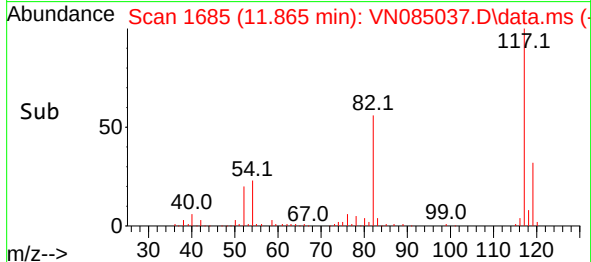
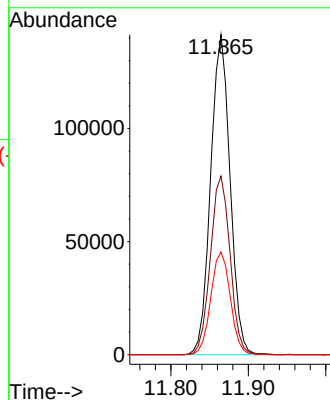
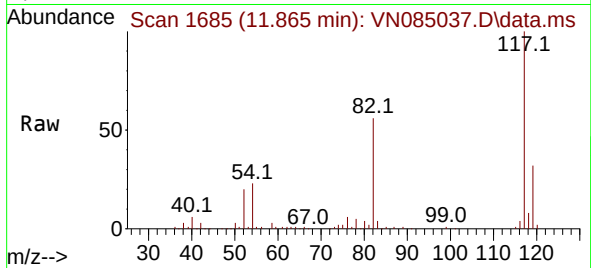




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

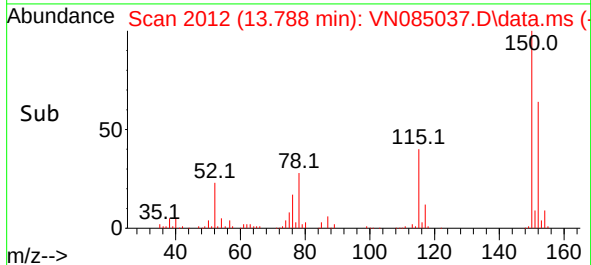
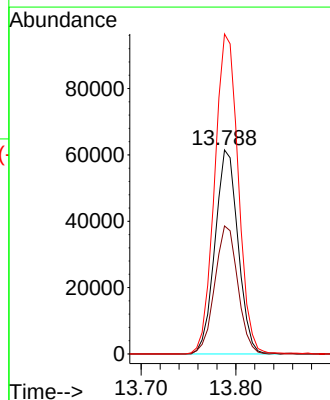
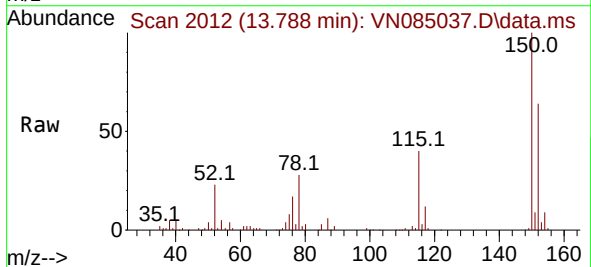
Instrument :
MSVOA_N
ClientSampleId :

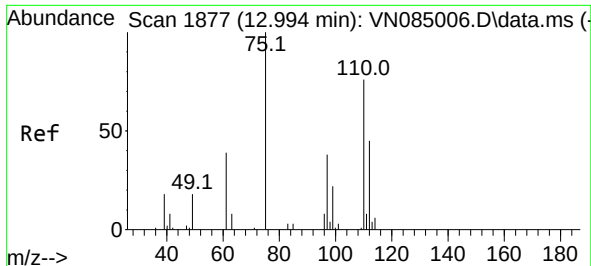
Tgt Ion:117 Resp: 246384
Ion Ratio Lower Upper
117 100
82 55.8 46.0 69.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion:152 Resp: 103859
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 161.2 0.0 351.4

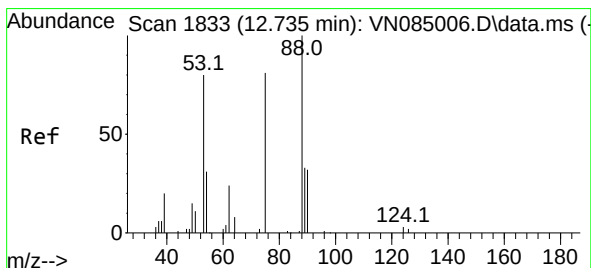
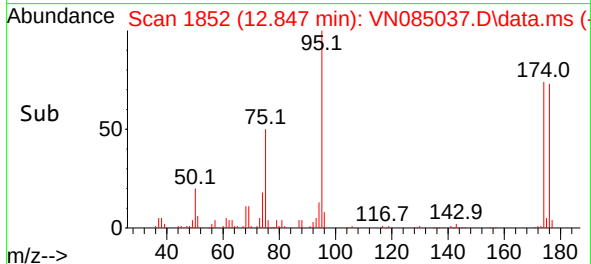
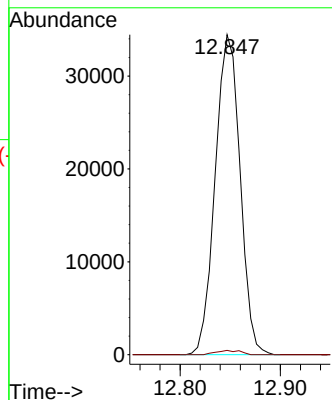
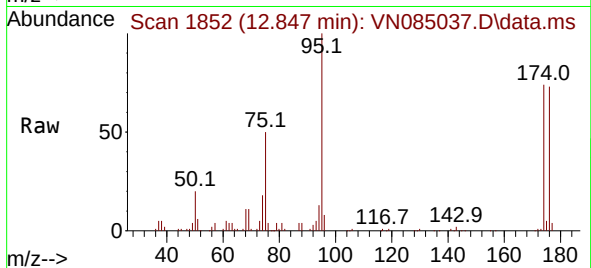




#76
1,2,3-Trichloropropane
Concen: 31.370 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

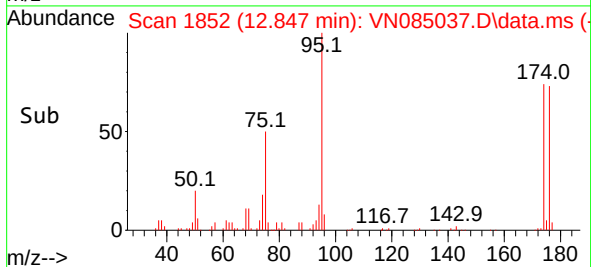
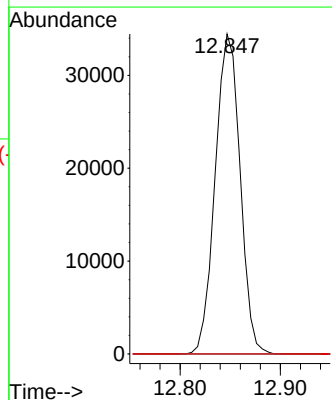
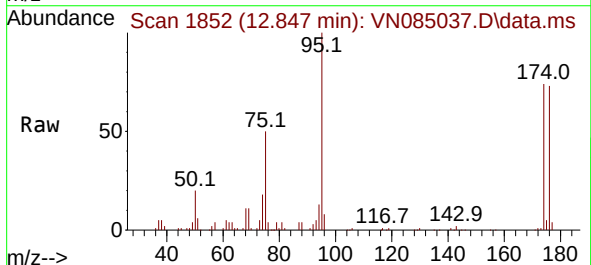
Instrument :
MSVOA_N
ClientSampleId :

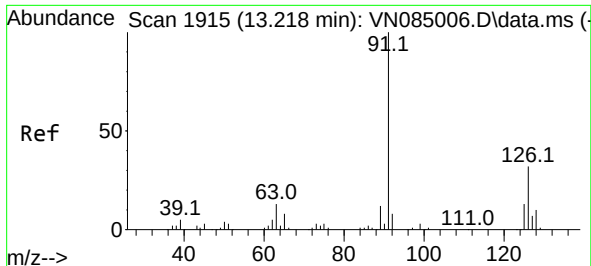
Tgt Ion: 75 Resp: 59262
Ion Ratio Lower Upper
75 100
77 1.3 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.252 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 75 Resp: 59262
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#

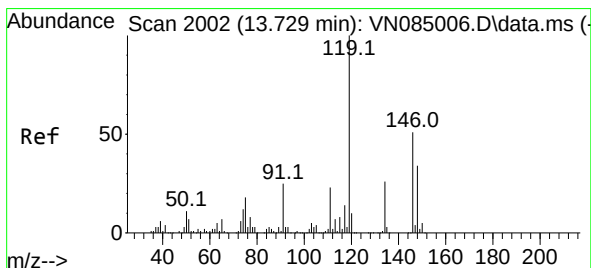
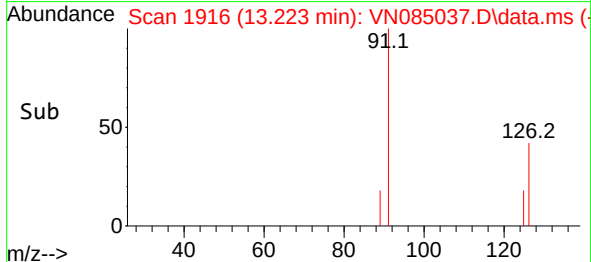
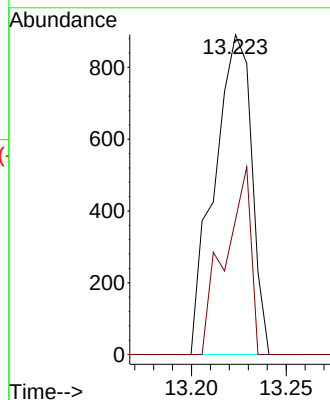
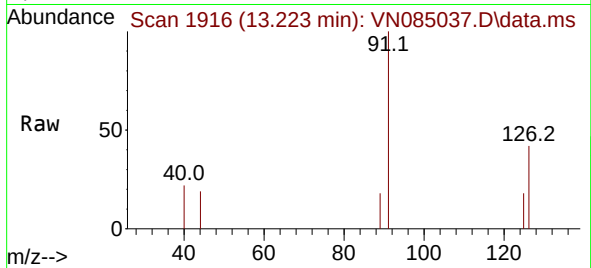




#82
4-Chlorotoluene
Concen: 0.208 ug/l
RT: 13.223 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

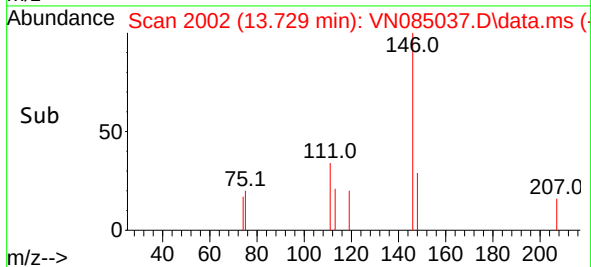
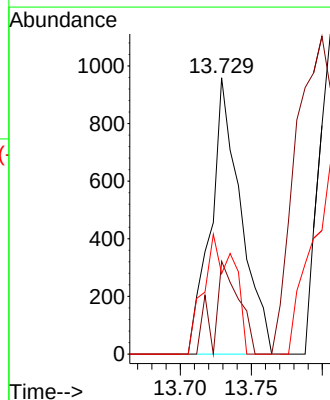
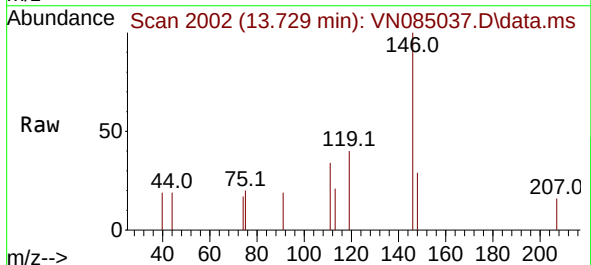
Instrument :
MSVOA_N
ClientSampleId :

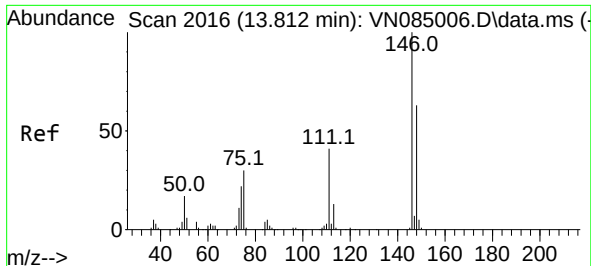
Tgt Ion: 91 Resp: 1222
Ion Ratio Lower Upper
91 100
126 40.9 16.1 48.3



#87
1,3-Dichlorobenzene
Concen: 0.361 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

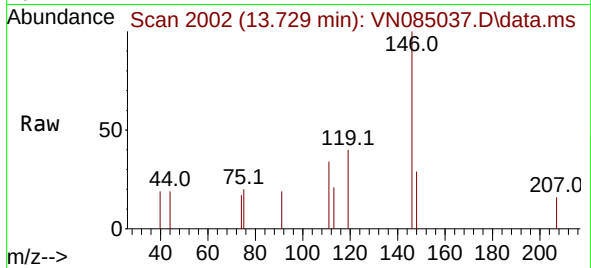
Tgt Ion:146 Resp: 1405
Ion Ratio Lower Upper
146 100
111 28.0 21.6 65.0
148 43.6 32.2 96.6



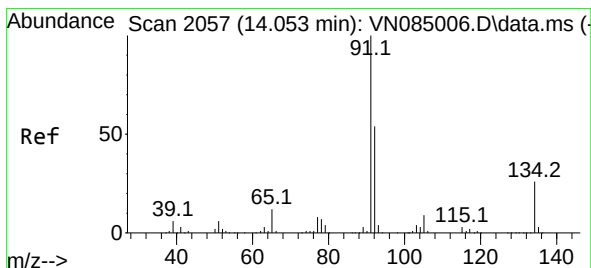
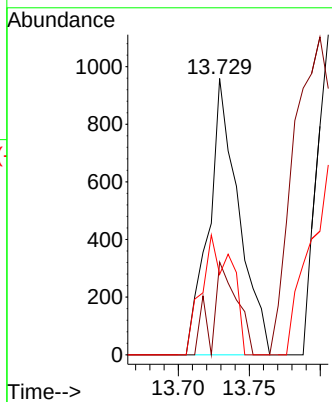
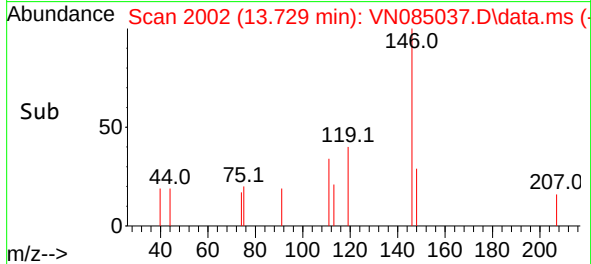


#88
1,4-Dichlorobenzene
Concen: 0.354 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.083 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

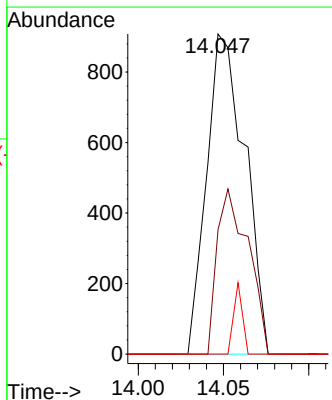
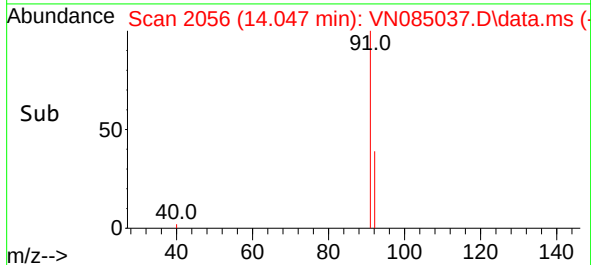
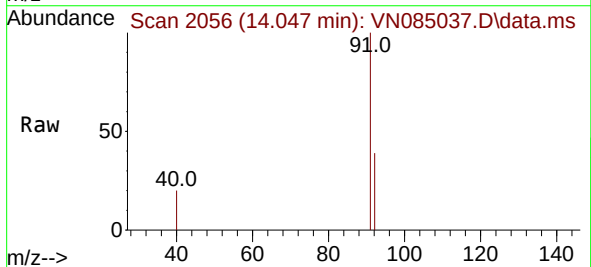


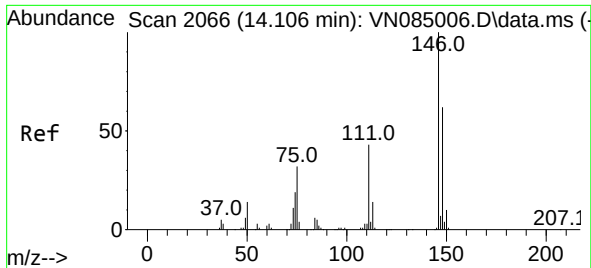
Tgt Ion:146 Resp: 1405
Ion Ratio Lower Upper
146 100
111 28.0 20.9 62.8
148 43.6 31.3 93.9



#89
n-Butylbenzene
Concen: 0.258 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Tgt Ion: 91 Resp: 1417
Ion Ratio Lower Upper
91 100
92 42.0 26.8 80.3
134 5.0 12.8 38.4#

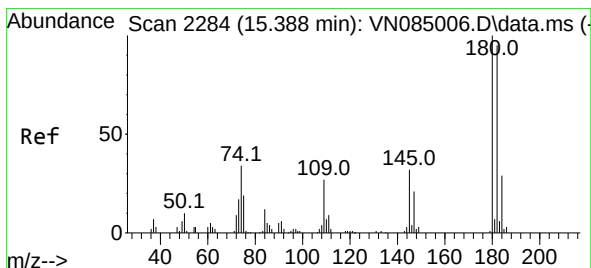
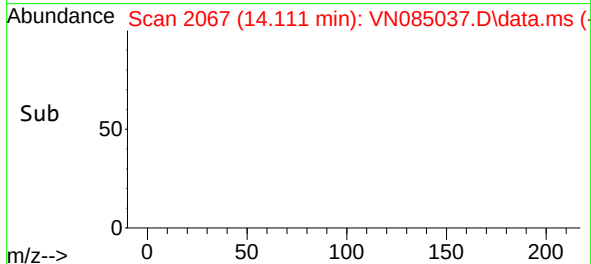
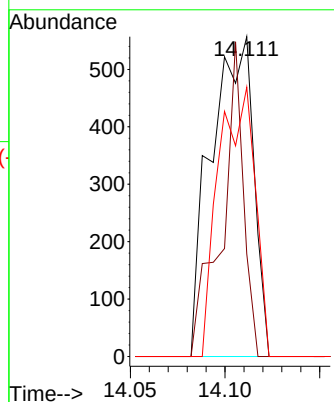
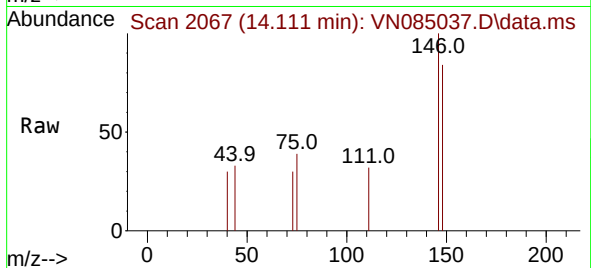




#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

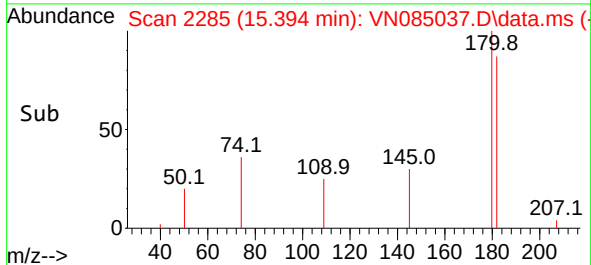
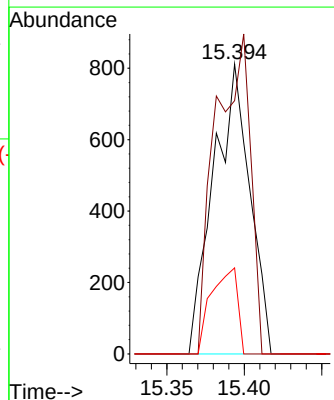
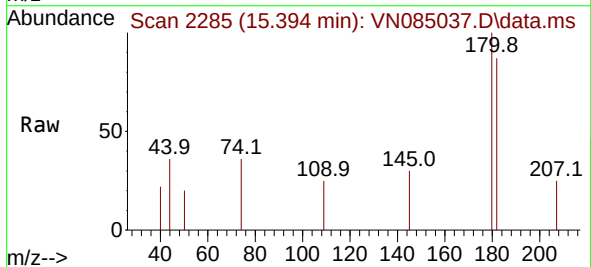
Instrument :
MSVOA_N
ClientSampleId :

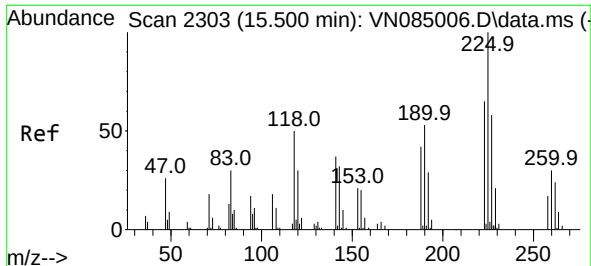
Tgt Ion:146 Resp: 867
Ion Ratio Lower Upper
146 100
111 50.5 21.9 65.8
148 72.2 31.1 93.2



#93
1,2,4-Trichlorobenzene
Concen: 0.653 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

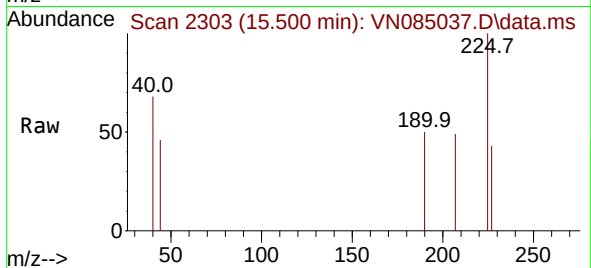
Tgt Ion:180 Resp: 1322
Ion Ratio Lower Upper
180 100
182 105.1 46.9 140.8
145 21.4 16.3 48.8



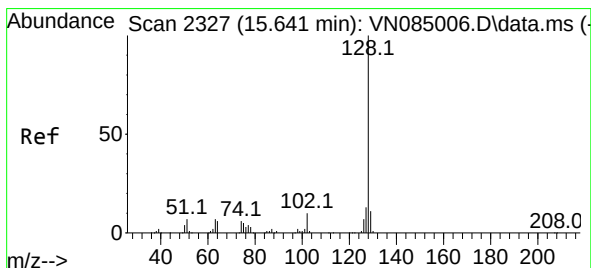
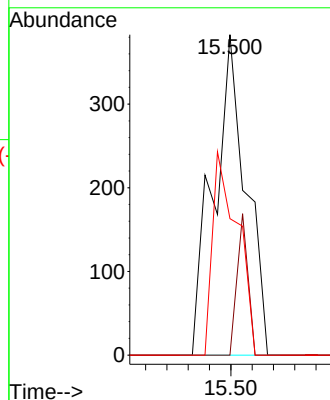
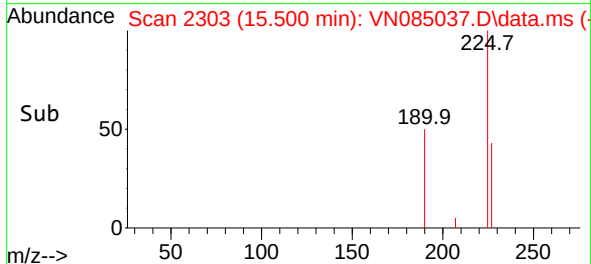


#94
Hexachlorobutadiene
Concen: 0.432 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :

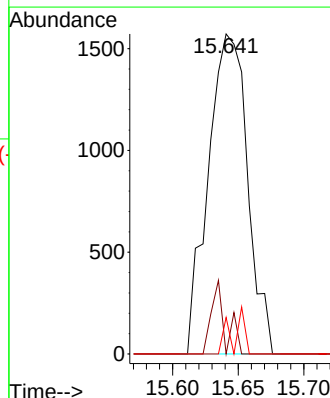
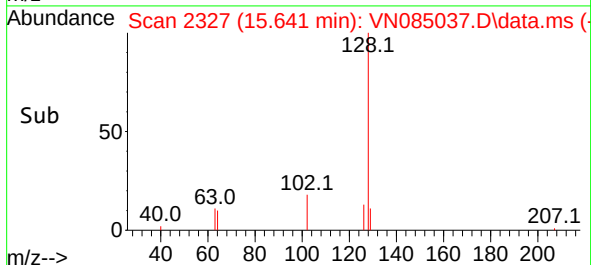
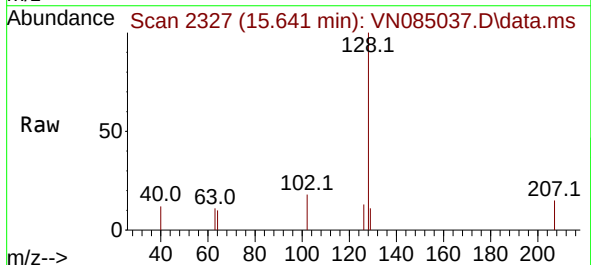


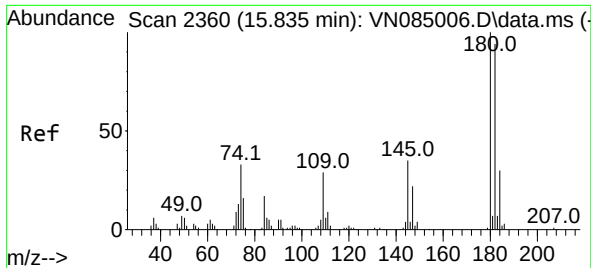
Tgt Ion:225 Resp: 404
Ion Ratio Lower Upper
225 100
223 14.9 30.9 92.8#
227 49.0 31.5 94.5



#95
Naphthalene
Concen: 0.569 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

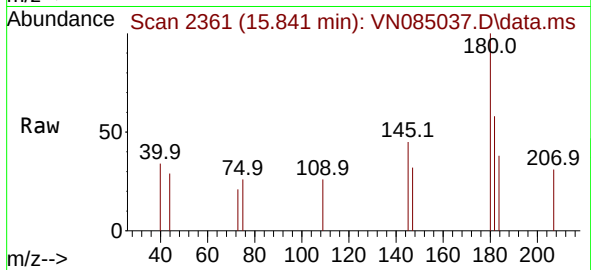
Tgt Ion:128 Resp: 3281
Ion Ratio Lower Upper
128 100
127 8.2 10.6 16.0#
129 1.9 8.6 12.8#





#96
1,2,3-Trichlorobenzene
Concen: 0.615 ug/l
RT: 15.841 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085037.D
Acq: 26 Nov 2024 11:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	180	Resp:	1189
Ion	Ratio	Lower	Upper
180	100		
182	91.8	46.4	139.2
145	36.5	17.3	52.0

