

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085190.D
 Acq On : 13 Dec 2024 12:29
 Operator : JC\MD
 Sample : VN1213MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 23:30:32 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)

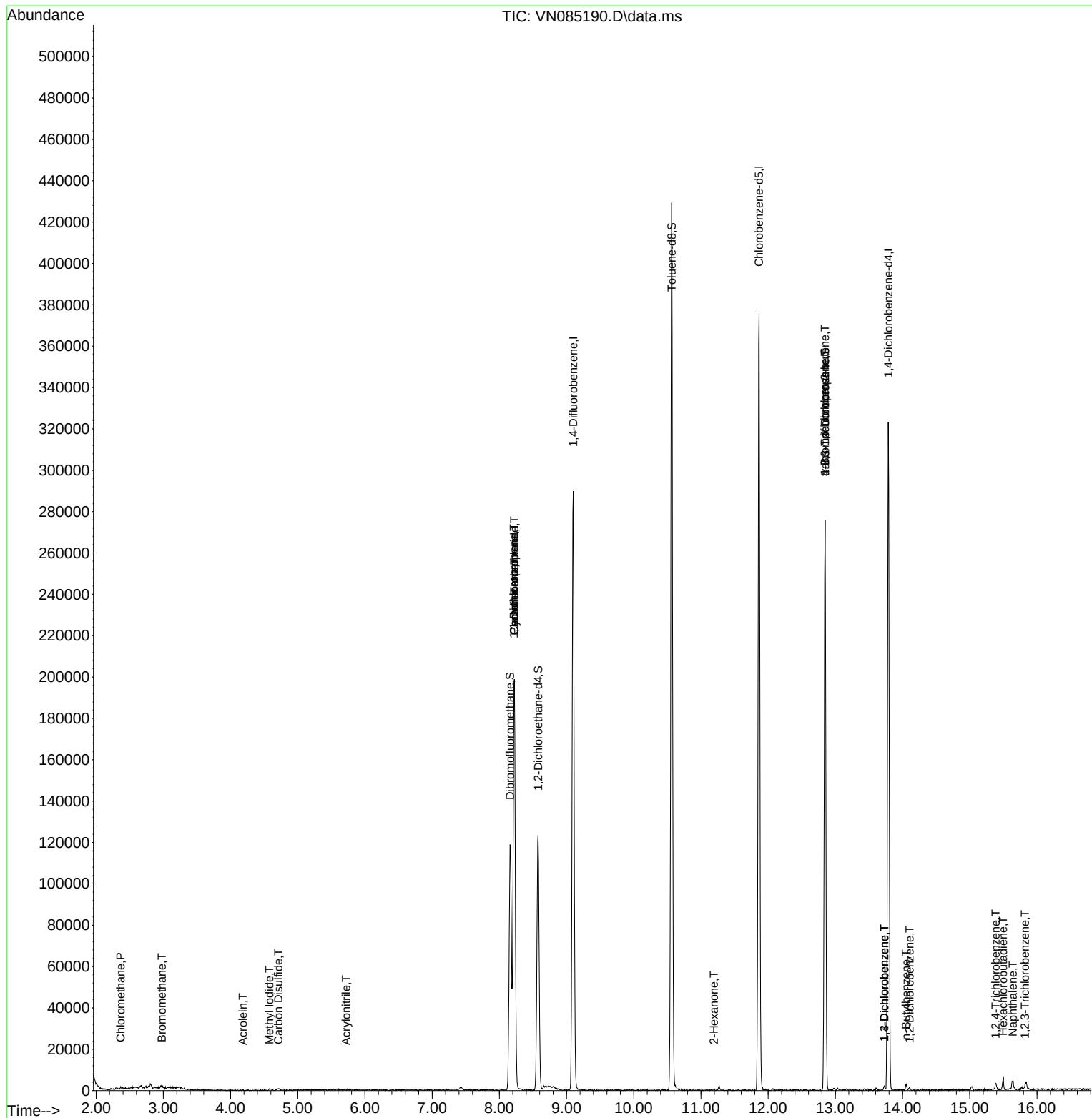
Internal Standards						
1) Pentafluorobenzene	8.224	168	141596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108213	53.652	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	8.159	113	85538	50.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.940%	
50) Toluene-d8	10.565	98	290790	48.347	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.847	95	98917	43.978	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	396	0.213	ug/l #	77
5) Bromomethane	2.977	94	759	0.811	ug/l	95
10) Methyl Iodide	4.577	142	467	0.219	ug/l #	39
13) Acrolein	4.183	56	127	0.706	ug/l #	16
15) Acrylonitrile	5.718	53	192	0.252	ug/l #	18
17) Carbon Disulfide	4.712	76	1965	0.443	ug/l #	77
18) Methyl Acetate	5.036	43	63	Below Cal	#	50
31) Cyclohexane	8.224	56	3333	1.241	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12210	5.371	ug/l #	50
38) Carbon Tetrachloride	8.224	117	15834	6.034	ug/l #	15
59) 2-Hexanone	11.194	43	616	0.420	ug/l	98
76) 1,2,3-Trichloropropane	12.847	75	50383	31.115	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50383	68.688	ug/l #	10
87) 1,3-Dichlorobenzene	13.729	146	723	0.217	ug/l	79
88) 1,4-Dichlorobenzene	13.729	146	723	0.213	ug/l	81
89) n-Butylbenzene	14.053	91	1843	0.392	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	867	0.271	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	1855	1.069	ug/l	77
94) Hexachlorobutadiene	15.494	225	1230	1.536	ug/l	89
95) Naphthalene	15.641	128	5897	1.193	ug/l	96
96) 1,2,3-Trichlorobenzene	15.823	180	2092	1.263	ug/l	83

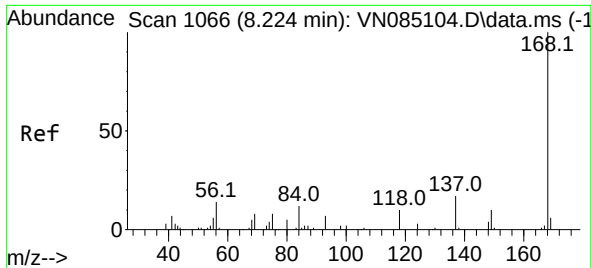
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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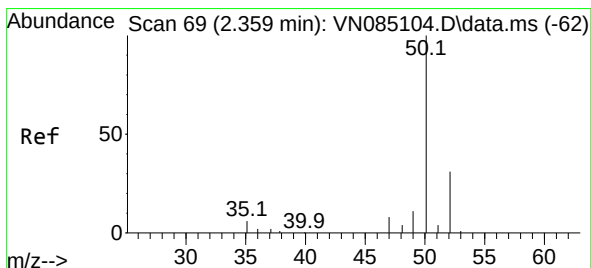
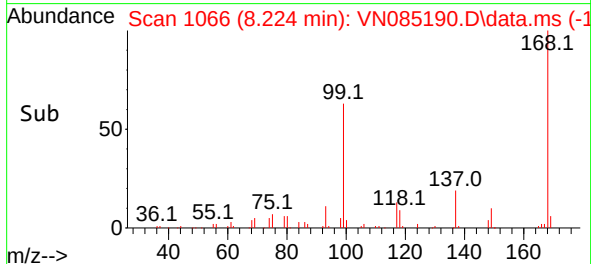
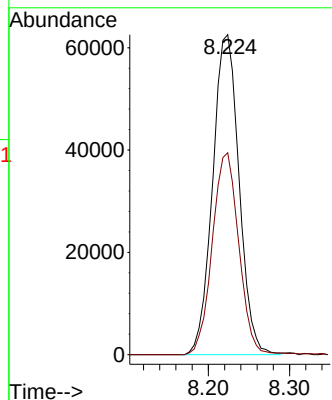
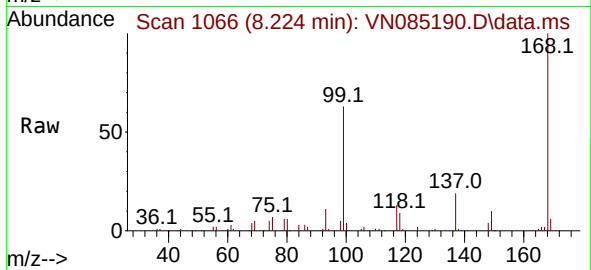




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

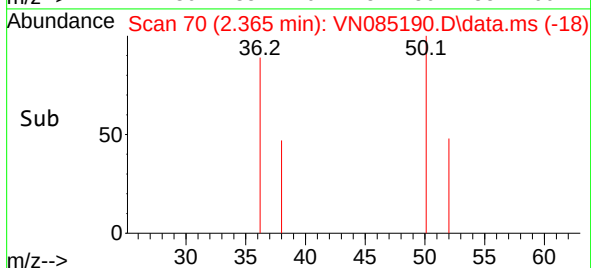
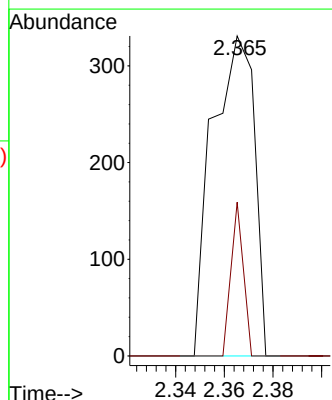
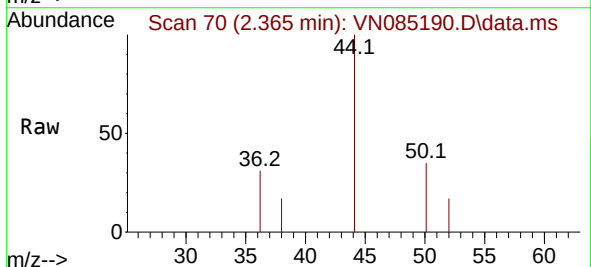
Instrument :
MSVOA_N
ClientSampleId :

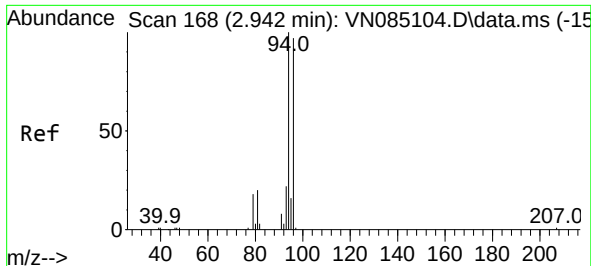
Tgt Ion:168 Resp: 141596
Ion Ratio Lower Upper
168 100
99 63.1 51.2 76.8



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

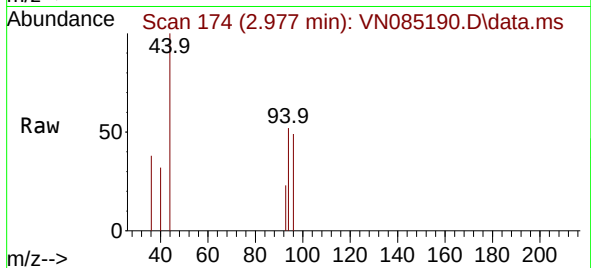
Tgt Ion: 50 Resp: 396
Ion Ratio Lower Upper
50 100
52 48.0 27.8 41.8#



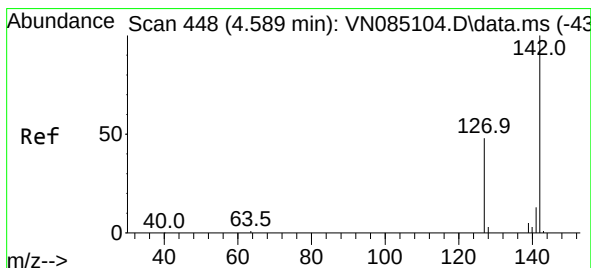
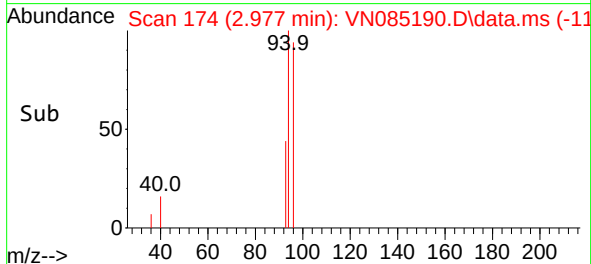
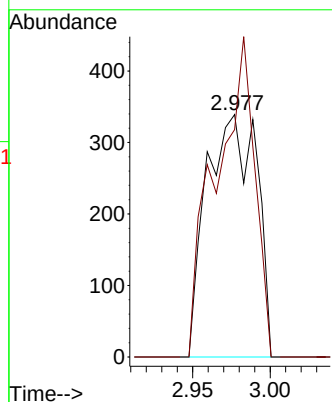


#5
Bromomethane
Concen: 0.811 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.076 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

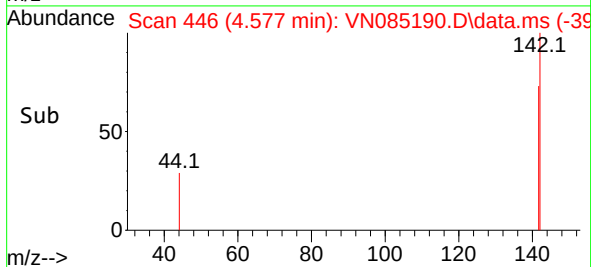
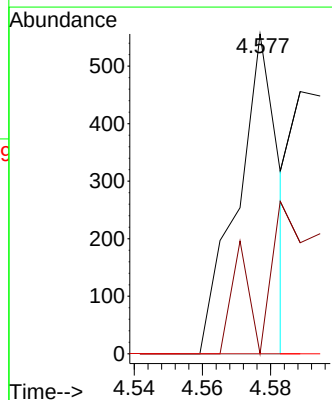
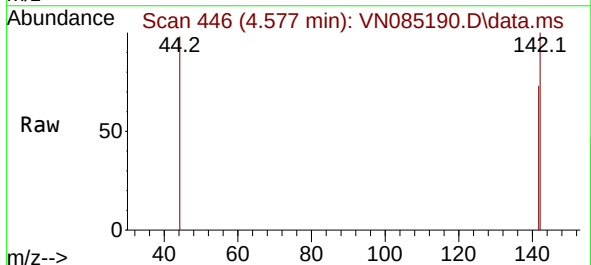


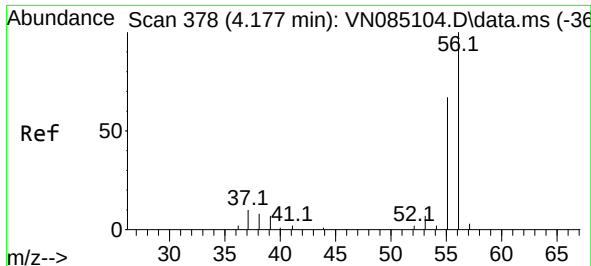
Tgt Ion: 94 Resp: 759
Ion Ratio Lower Upper
94 100
96 93.8 78.7 118.1



#10
Methyl Iodide
Concen: 0.219 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

Tgt Ion: 142 Resp: 467
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#





#13

Acrolein

Concen: 0.706 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.018 min

Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

Instrument :

MSVOA_N

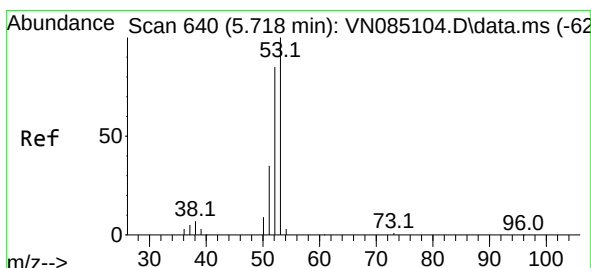
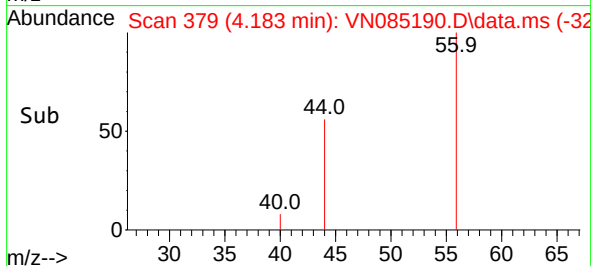
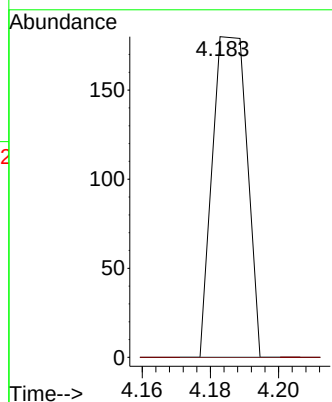
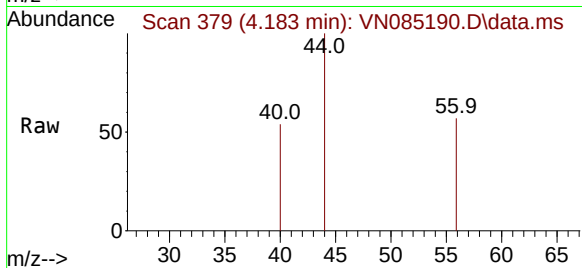
ClientSampleId :

Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#



#15

Acrylonitrile

Concen: 0.252 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

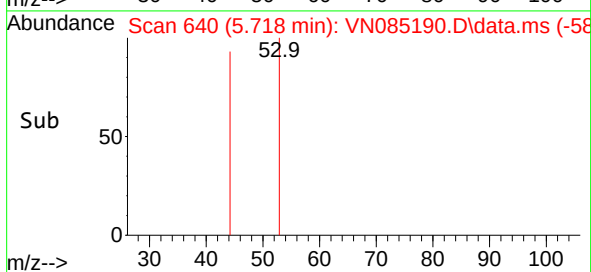
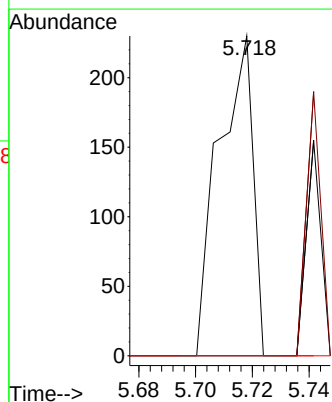
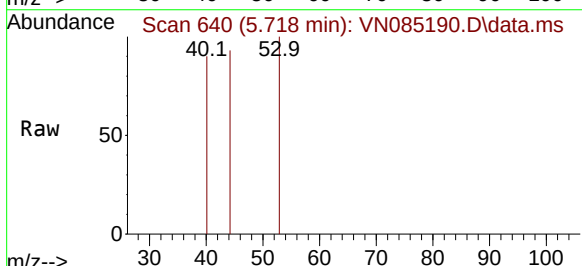
Tgt Ion: 53 Resp: 192

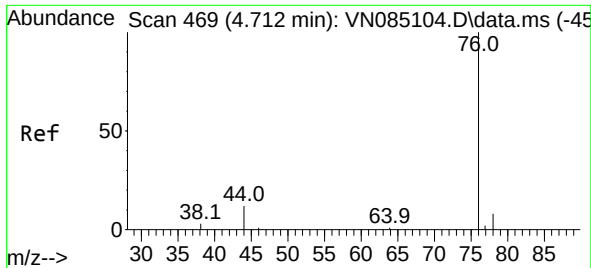
Ion Ratio Lower Upper

53 100

52 0.0 65.5 98.3#

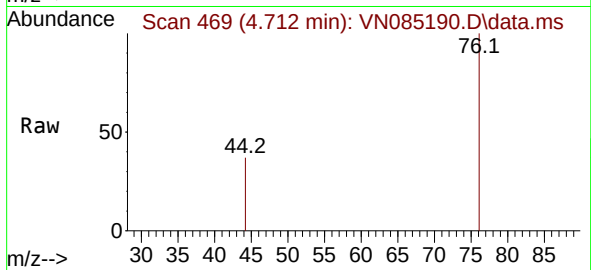
51 0.0 28.4 42.6#



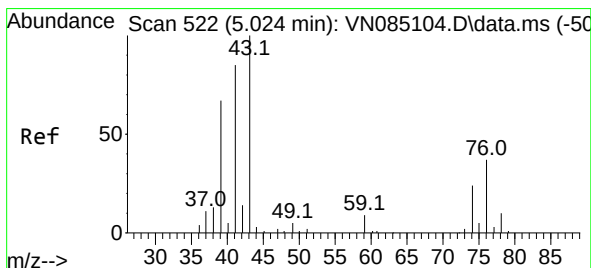
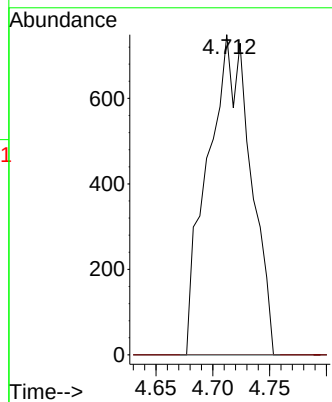
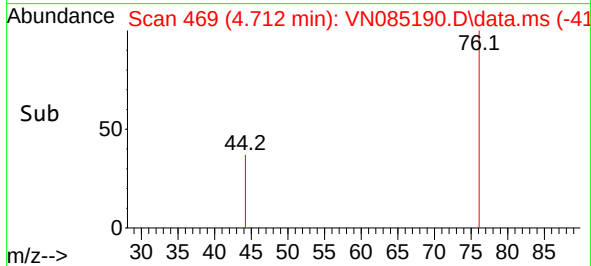


#17
Carbon Disulfide
Concen: 0.443 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

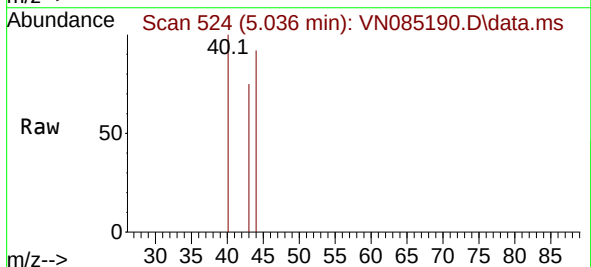
Instrument :
MSVOA_N
ClientSampleId :



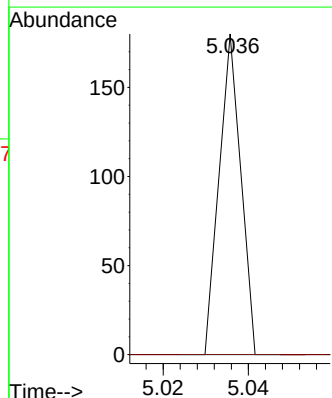
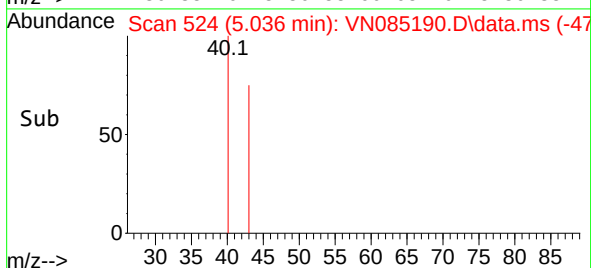
Tgt Ion: 76 Resp: 1965
Ion Ratio Lower Upper
76 100
78 0.0 6.5 9.7#

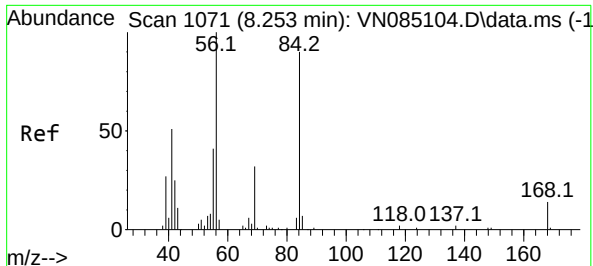


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29



Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#





#31

Cyclohexane

Concen: 1.241 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

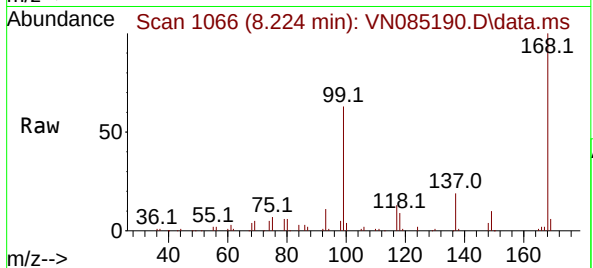
Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :



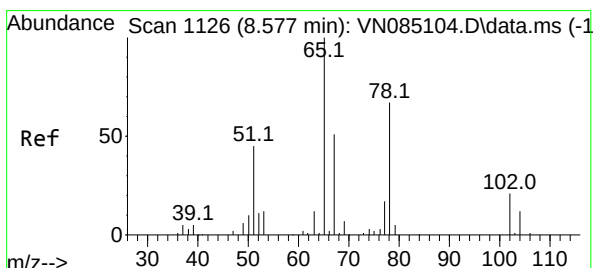
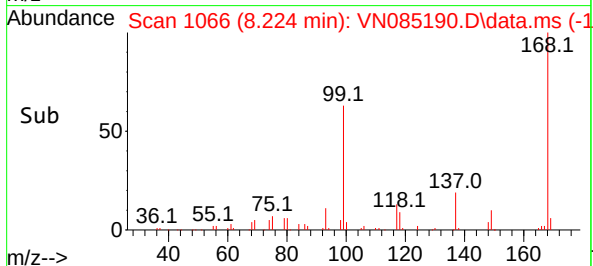
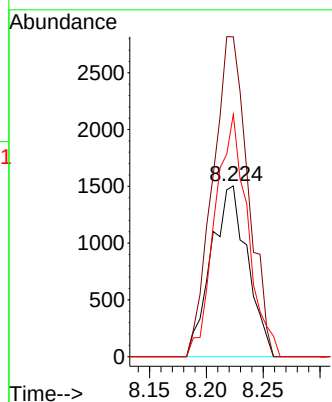
Tgt Ion: 56 Resp: 3333

Ion Ratio Lower Upper

56 100

69 187.4 24.6 36.8#

84 141.9 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 53.652 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085190.D

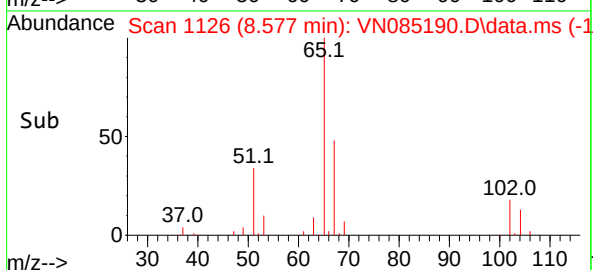
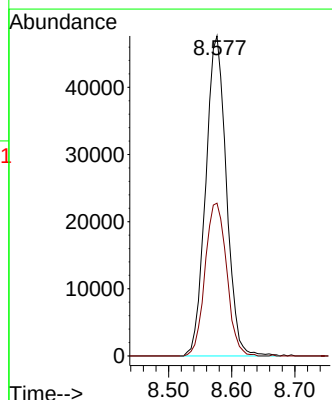
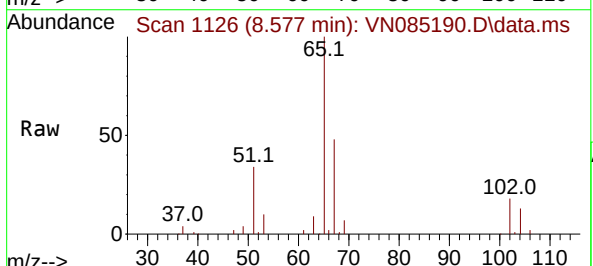
Acq: 13 Dec 2024 12:29

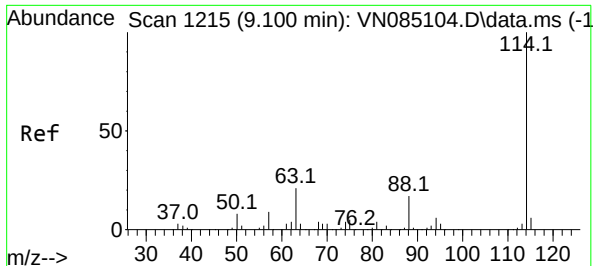
Tgt Ion: 65 Resp: 108213

Ion Ratio Lower Upper

65 100

67 49.9 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: VN085190.D

Acq: 13 Dec 2024 12:29

Instrument :

MSVOA_N

ClientSampleId :

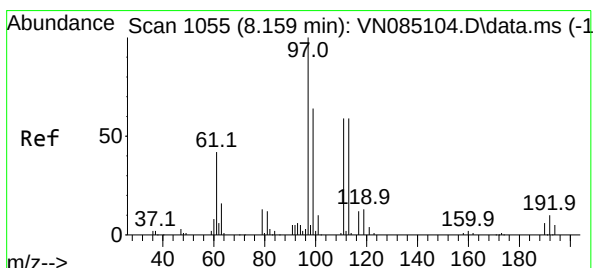
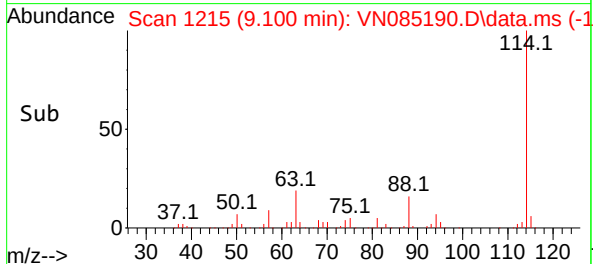
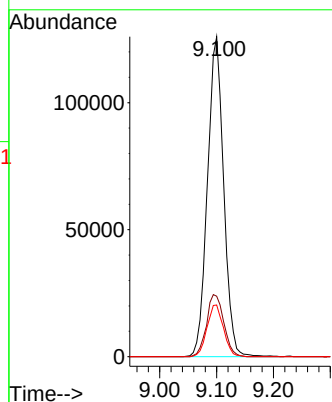
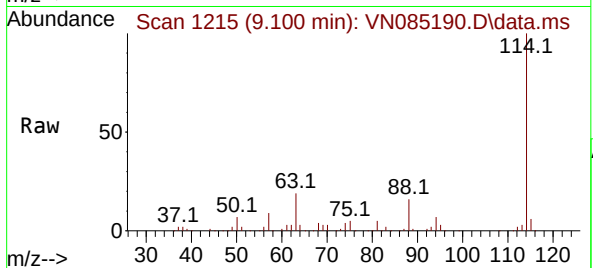
Tgt Ion:114 Resp: 248869

Ion Ratio Lower Upper

114 100

63 18.9 0.0 41.0

88 16.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.967 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

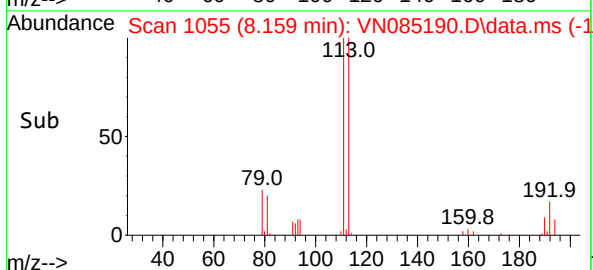
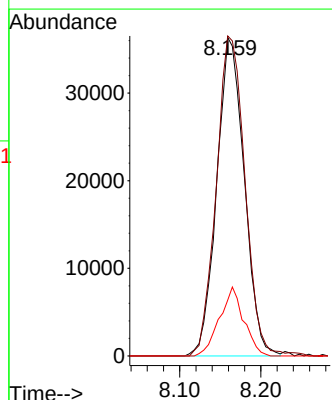
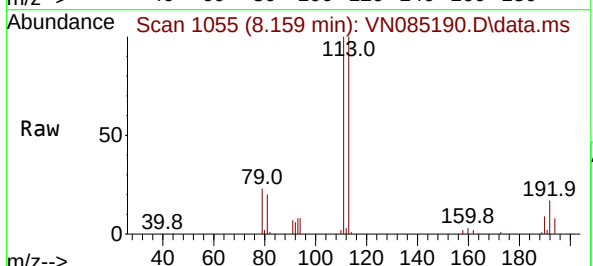
Tgt Ion:113 Resp: 85538

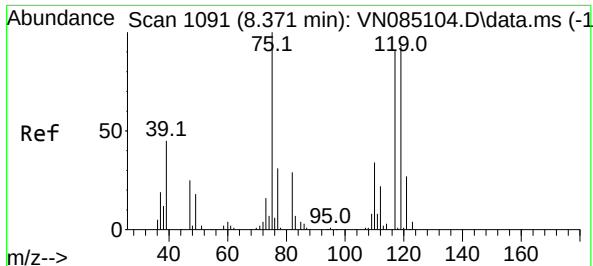
Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 19.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.371 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

Instrument :

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ClientSampleId :

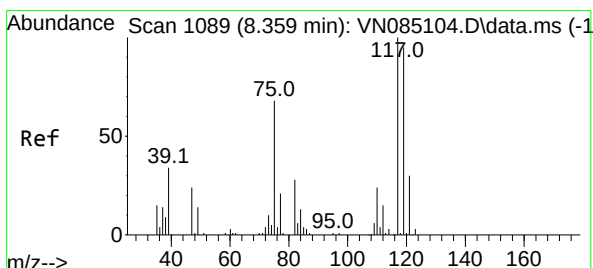
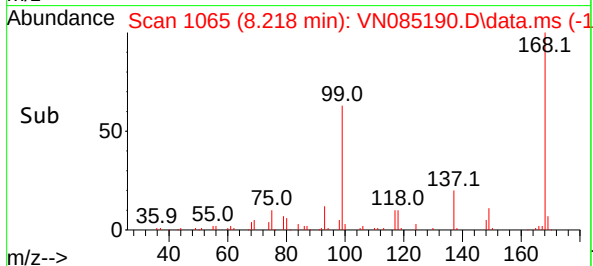
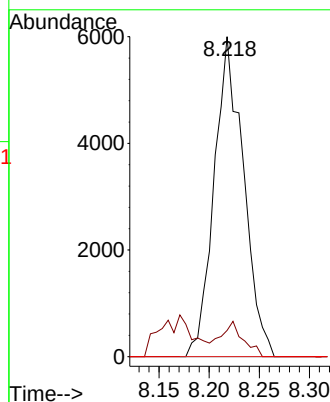
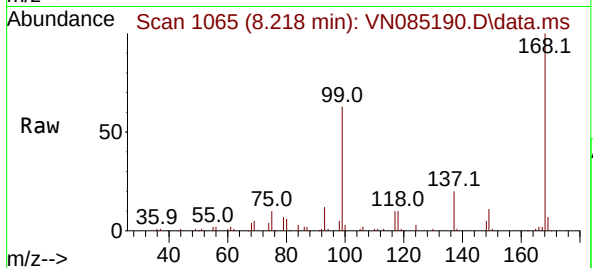
Tgt Ion: 75 Resp: 12210

Ion Ratio Lower Upper

75 100

110 8.4 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085190.D

Acq: 13 Dec 2024 12:29

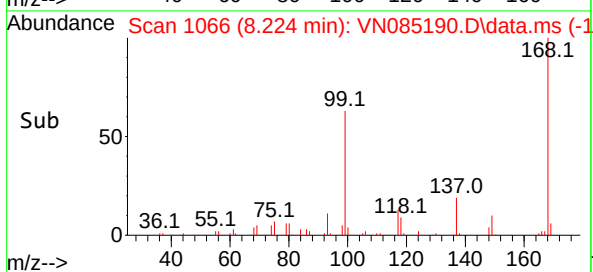
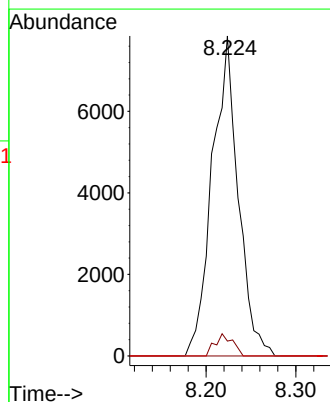
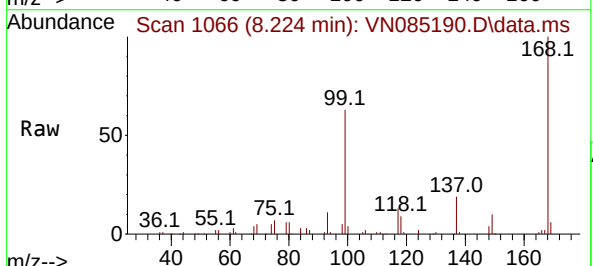
Tgt Ion: 117 Resp: 15834

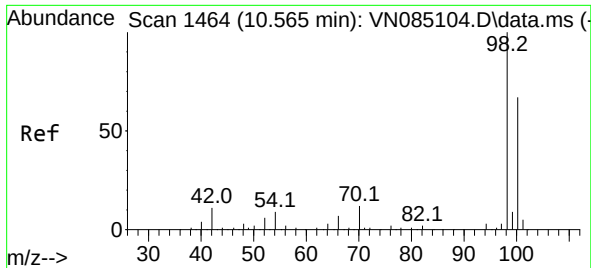
Ion Ratio Lower Upper

117 100

119 4.6 78.6 117.8#

121 0.0 24.2 36.2#

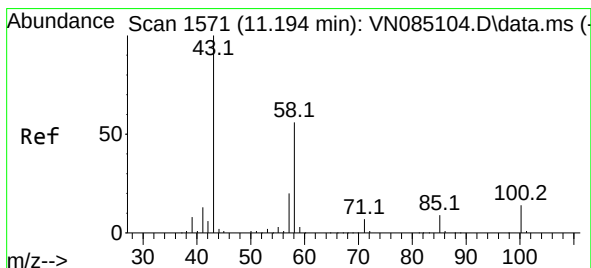
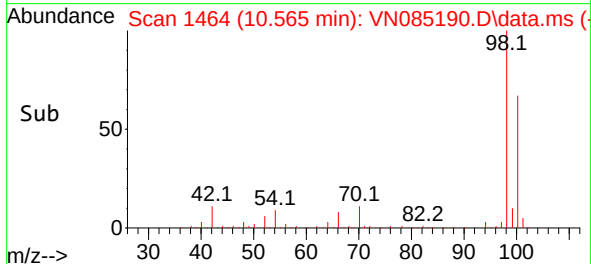
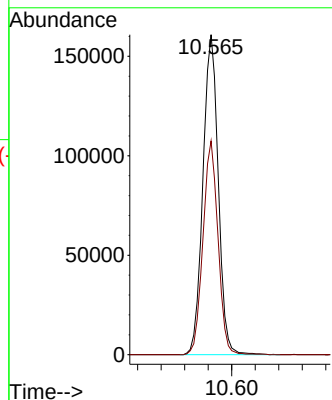
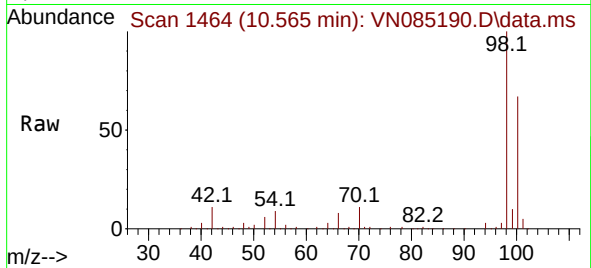




#50
Toluene-d8
Concen: 48.347 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

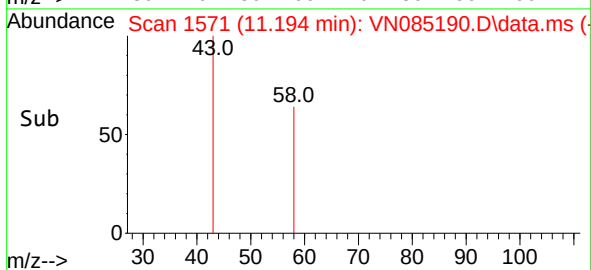
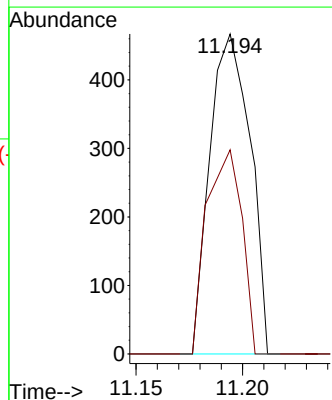
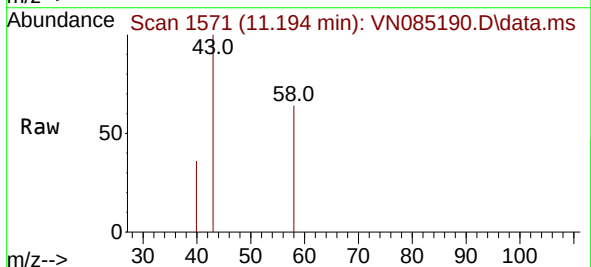
Instrument :
MSVOA_N
ClientSampleId :

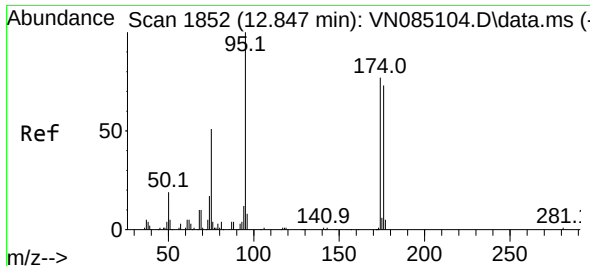
Tgt Ion: 98 Resp: 290790
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#59
2-Hexanone
Concen: 0.420 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0

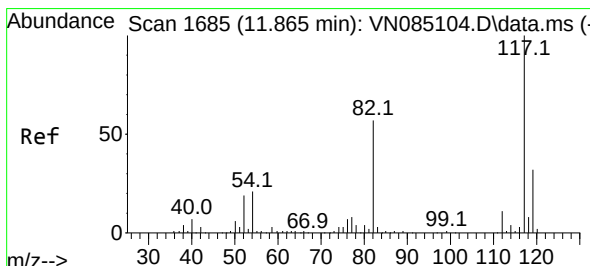
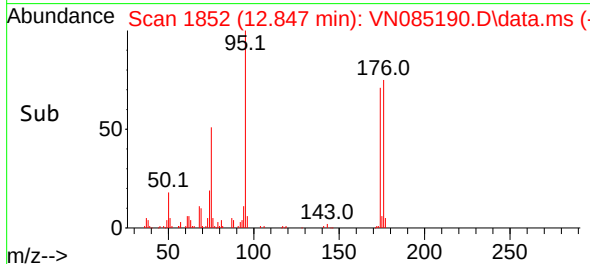
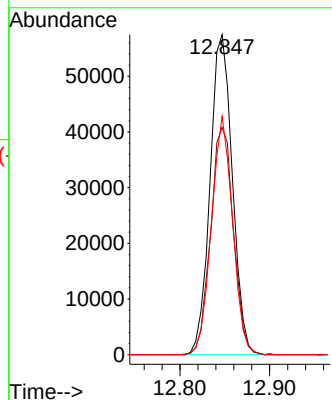
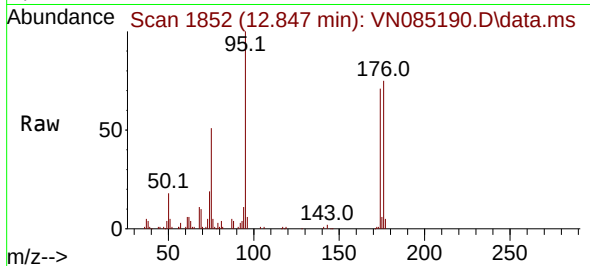




#62
4-Bromofluorobenzene
Concen: 43.978 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

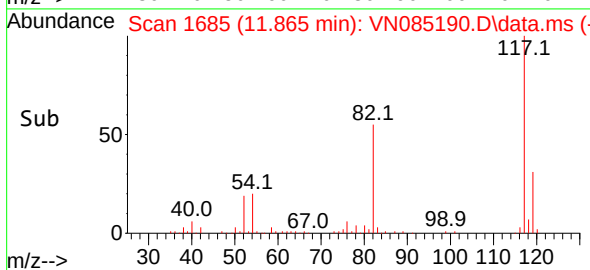
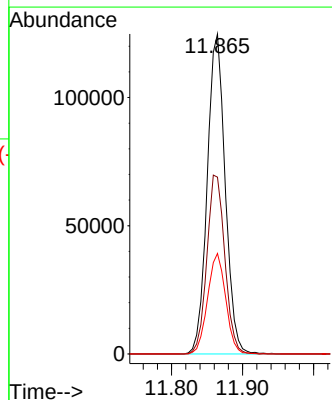
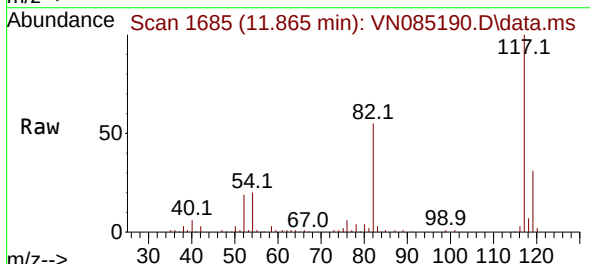
Instrument :
MSVOA_N
ClientSampleId :

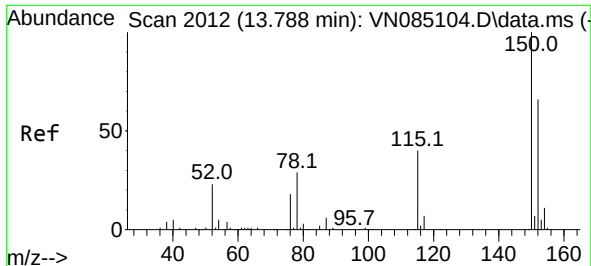
Tgt Ion: 95 Resp: 98917
Ion Ratio Lower Upper
95 100
174 72.8 0.0 146.6
176 70.9 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

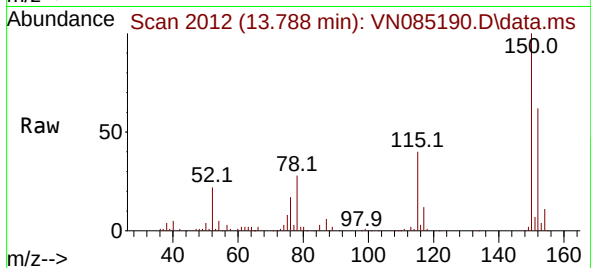
Tgt Ion: 117 Resp: 219473
Ion Ratio Lower Upper
117 100
82 55.2 46.0 69.0
119 31.4 25.6 38.4



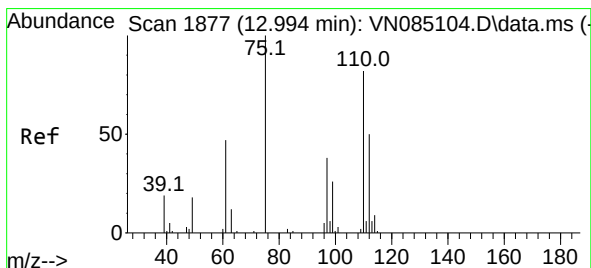
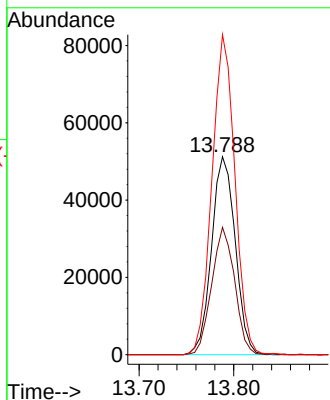
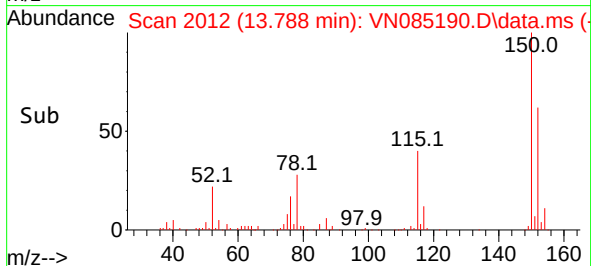


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085190.D
 Acq: 13 Dec 2024 12:29

Instrument :
 MSVOA_N
 ClientSampleId :

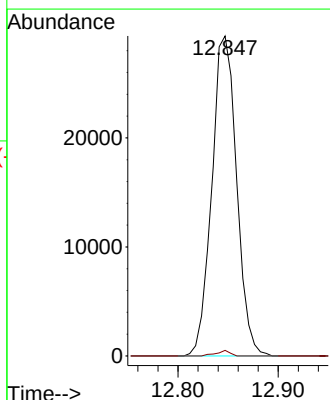
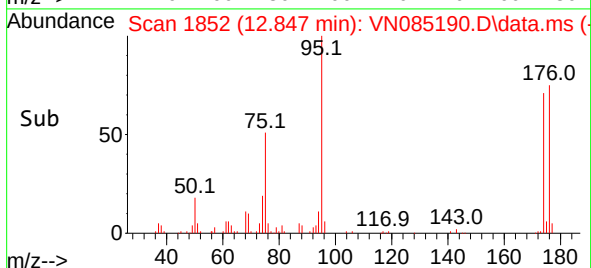
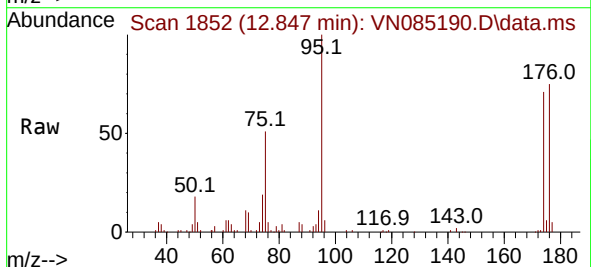


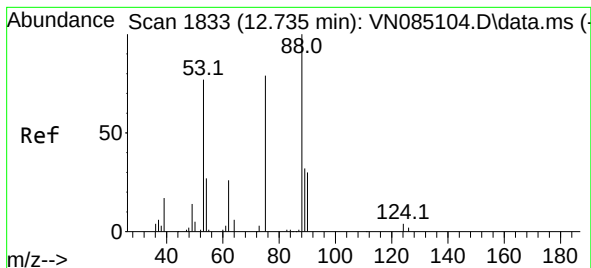
Tgt Ion:152 Resp: 89023
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.7 95.1
 150 156.5 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 31.115 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085190.D
 Acq: 13 Dec 2024 12:29

Tgt Ion: 75 Resp: 50383
 Ion Ratio Lower Upper
 75 100
 77 0.9 109.1 327.4#

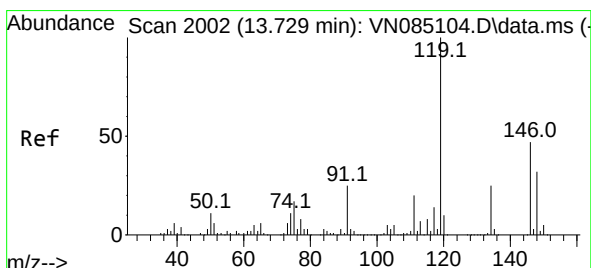
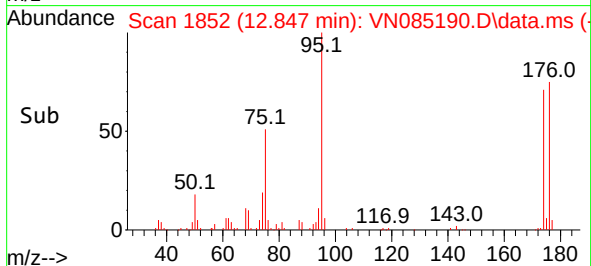
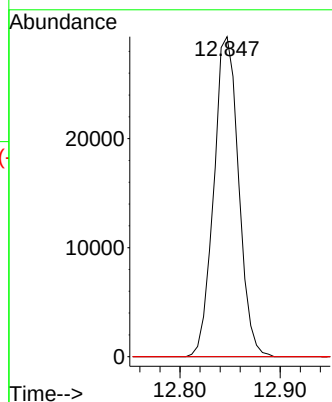
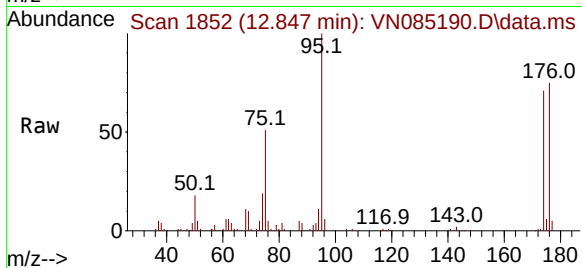




#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.688 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN085190.D
 Acq: 13 Dec 2024 12:29

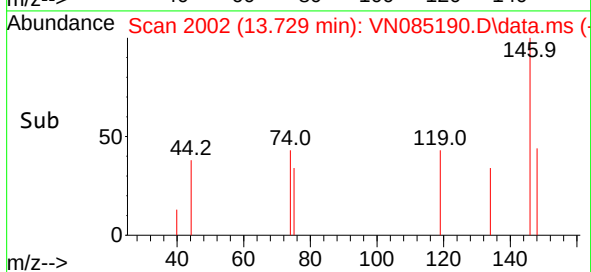
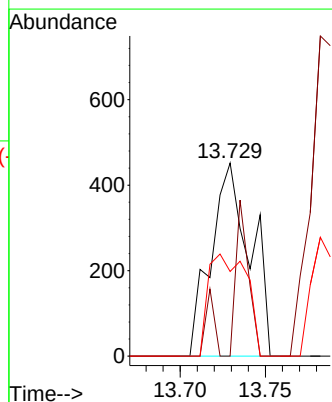
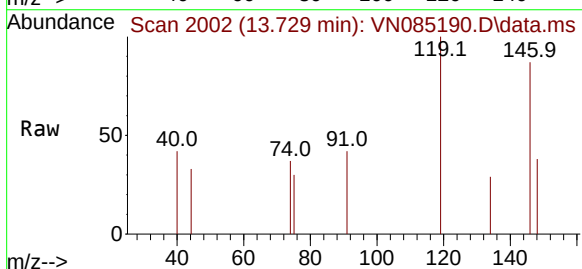
Instrument :
 MSVOA_N
 ClientSampleId :

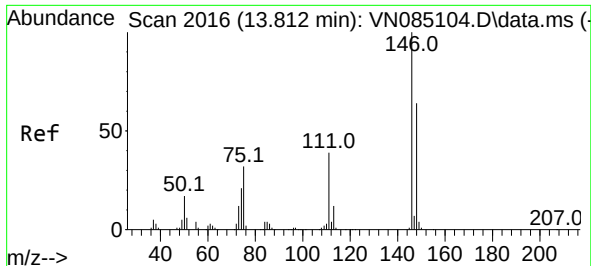
Tgt Ion: 75 Resp: 50383
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#



#87
 1,3-Dichlorobenzene
 Concen: 0.217 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN085190.D
 Acq: 13 Dec 2024 12:29

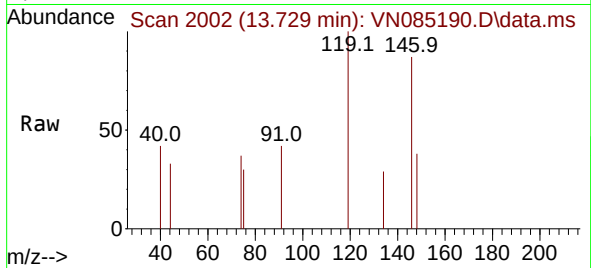
Tgt Ion: 146 Resp: 723
 Ion Ratio Lower Upper
 146 100
 111 25.9 21.6 65.0
 148 51.3 32.2 96.6



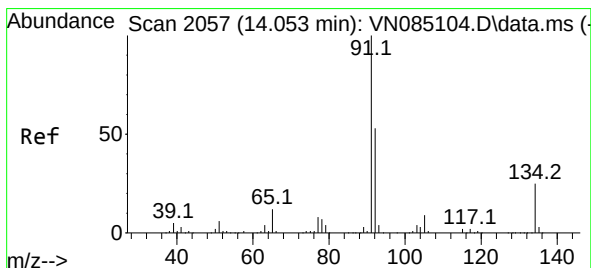
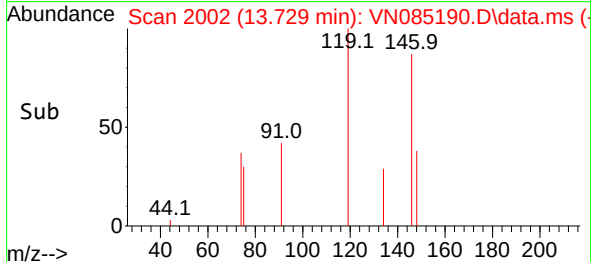
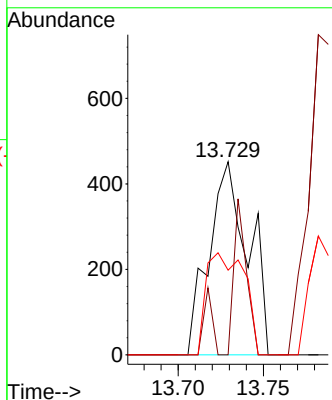


#88
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

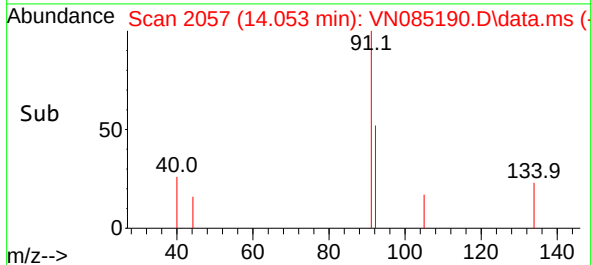
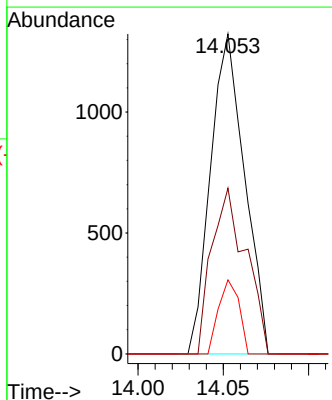
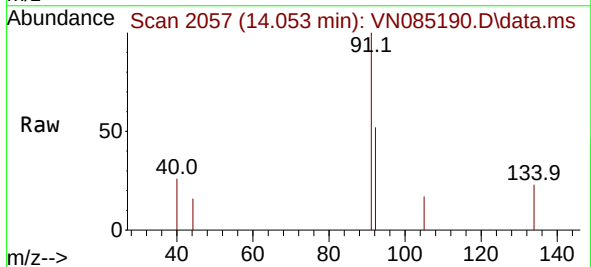


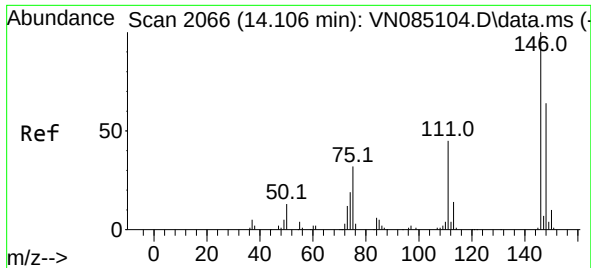
Tgt Ion:146 Resp: 723
Ion Ratio Lower Upper
146 100
111 25.9 20.9 62.8
148 51.3 31.3 93.9



#89
n-Butylbenzene
Concen: 0.392 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

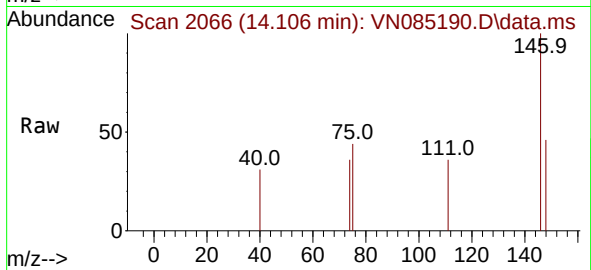
Tgt Ion: 91 Resp: 1843
Ion Ratio Lower Upper
91 100
92 51.9 26.8 80.3
134 13.8 12.8 38.4



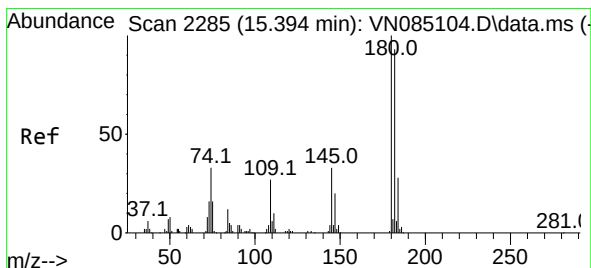
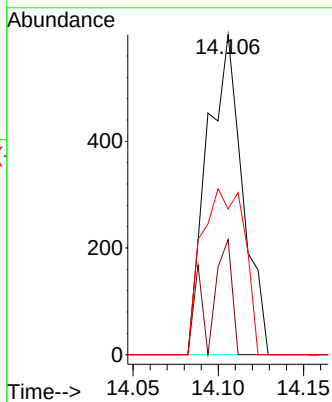
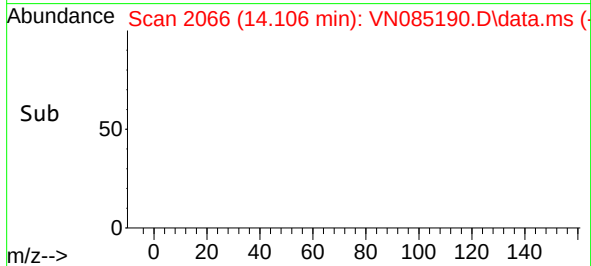


#91
1,2-Dichlorobenzene
Concen: 0.271 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

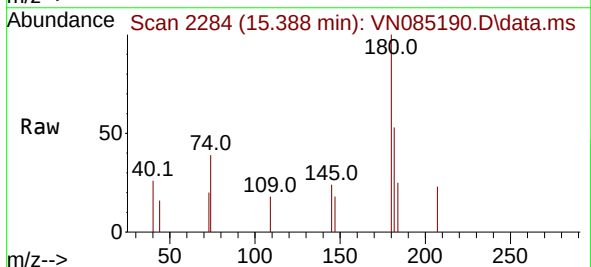
Instrument :
MSVOA_N
ClientSampleId :



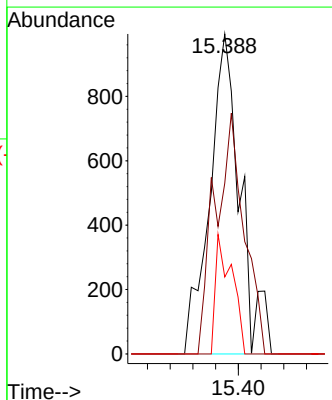
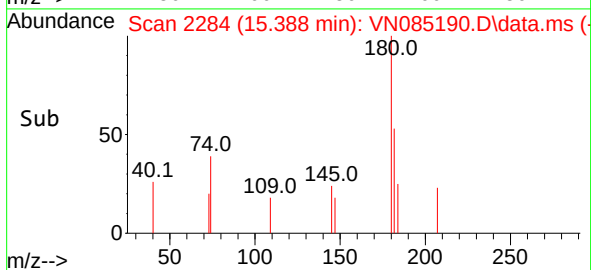
Tgt Ion:146 Resp: 867
Ion Ratio Lower Upper
146 100
111 22.3 21.9 65.8
148 62.6 31.1 93.2

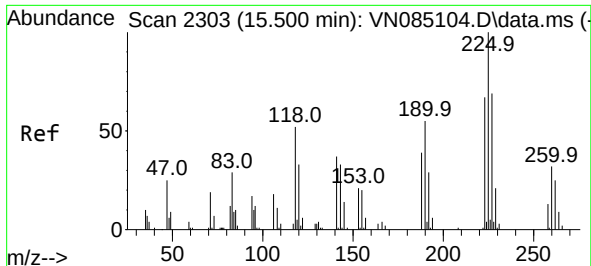


#93
1,2,4-Trichlorobenzene
Concen: 1.069 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29



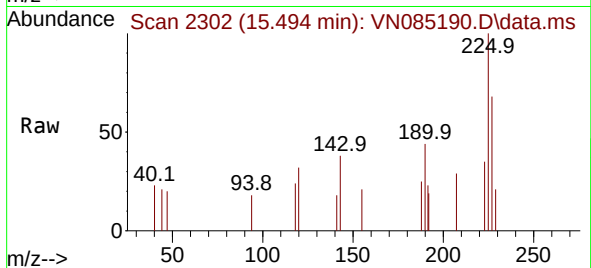
Tgt Ion:180 Resp: 1855
Ion Ratio Lower Upper
180 100
182 71.8 46.9 140.8
145 20.3 16.3 48.8



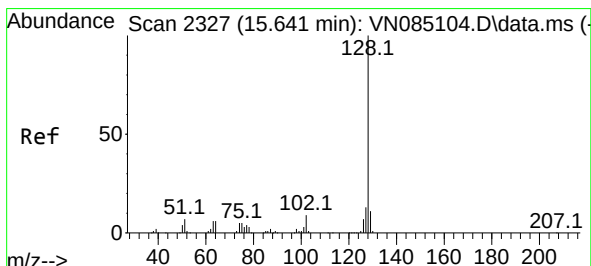
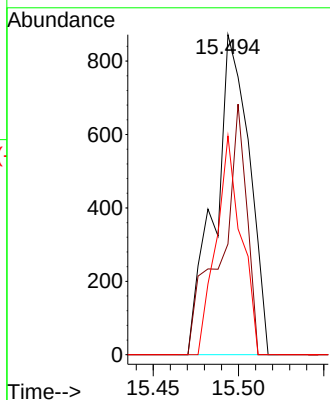
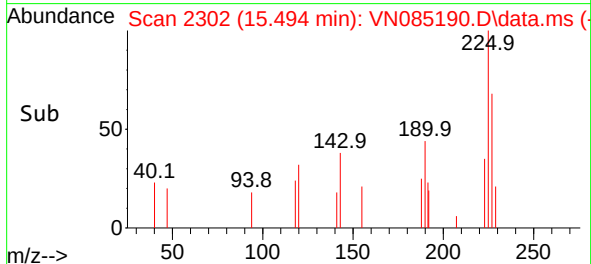


#94
Hexachlorobutadiene
Concen: 1.536 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

Instrument :
MSVOA_N
ClientSampleId :

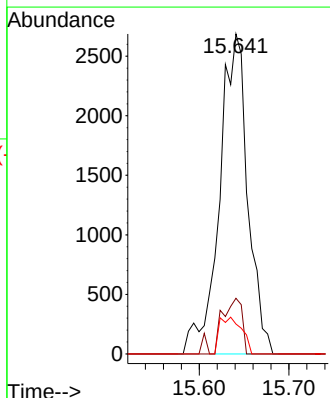
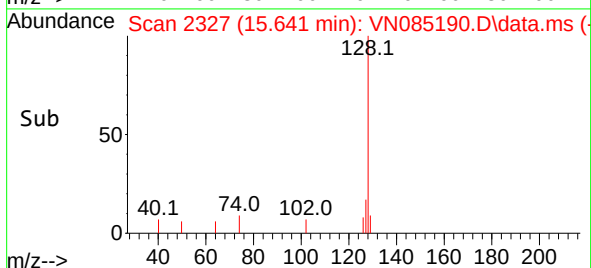
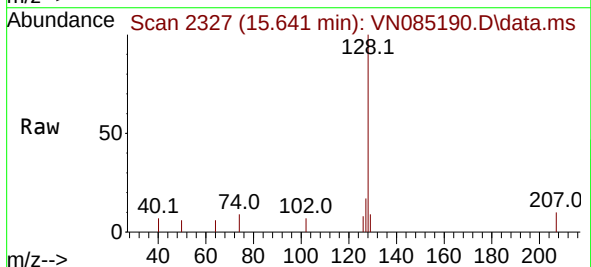


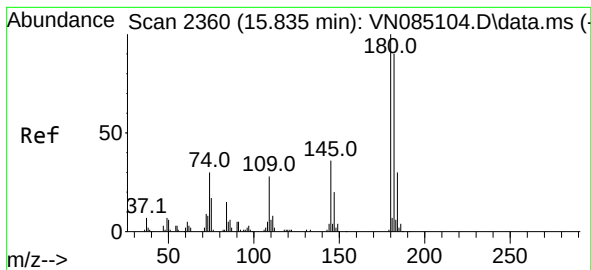
Tgt Ion:225 Resp: 1230
Ion Ratio Lower Upper
225 100
223 58.2 30.9 92.8
227 49.7 31.5 94.5



#95
Naphthalene
Concen: 1.193 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085190.D
Acq: 13 Dec 2024 12:29

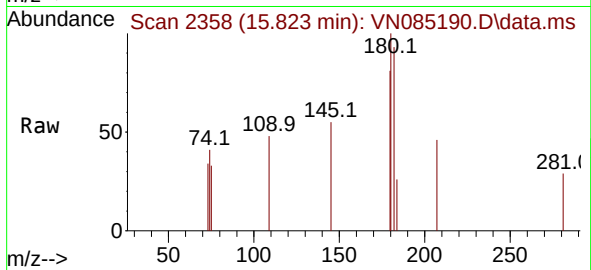
Tgt Ion:128 Resp: 5897
Ion Ratio Lower Upper
128 100
127 11.7 10.6 16.0
129 9.0 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 1.263 ug/l
 RT: 15.823 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN085190.D
 Acq: 13 Dec 2024 12:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2092
Ion	Ratio	Lower	Upper
180	100		
182	73.9	46.4	139.2
145	28.1	17.3	52.0

