

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085018.D
 Acq On : 22 Nov 2024 20:05
 Operator : JC\MD
 Sample : P4845-23
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 23 03:26:38 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

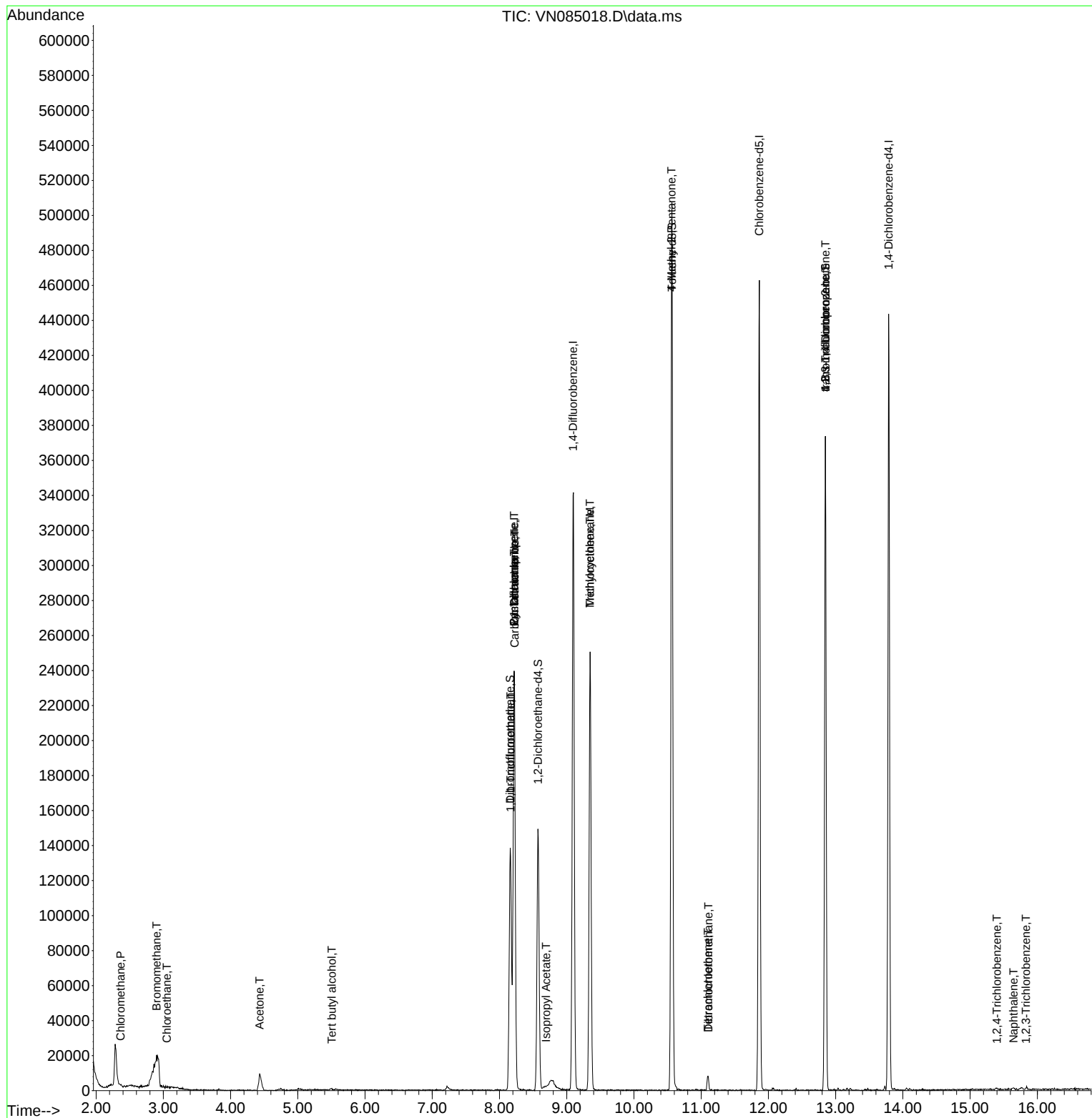
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	301590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124950	51.674	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.340%
35) Dibromofluoromethane	8.159	113	99028	48.691	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.380%
50) Toluene-d8	10.565	98	346771	47.576	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.847	95	127974	46.950	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.900%
Target Compounds						Qvalue
3) Chloromethane	2.365	50	577	0.259	ug/l #	40
5) Bromomethane	2.901	94	337	0.301	ug/l	96
6) Chloroethane	3.054	64	276	0.205	ug/l #	44
11) Tert butyl alcohol	5.506	59	290	0.897	ug/l #	75
16) Acetone	4.430	43	1137	1.615	ug/l	98
18) Methyl Acetate	5.018	43	1149	Below Cal	#	65
31) Cyclohexane	8.218	56	3709	1.151	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	1999	0.568	ug/l #	46
36) 1,1-Dichloropropene	8.218	75	14814	5.378	ug/l #	51
38) Carbon Tetrachloride	8.224	117	19017	5.980	ug/l #	14
39) Methylcyclohexane	9.347	83	1290	0.451	ug/l #	1
43) Isopropyl Acetate	8.694	43	1266	0.243	ug/l #	55
44) Trichloroethene	9.347	130	88308	43.613	ug/l	90
51) 4-Methyl-2-Pentanone	10.559	43	1483	0.624	ug/l #	1
60) Dibromochloromethane	11.106	129	2078	0.885	ug/l #	10
64) Tetrachloroethene	11.100	164	2087	1.169	ug/l #	87
76) 1,2,3-Trichloropropane	12.847	75	67665	31.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67665	69.997	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.400	180	581	0.254	ug/l	92
95) Naphthalene	15.647	128	1736	0.267	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.829	180	485	0.222	ug/l	76

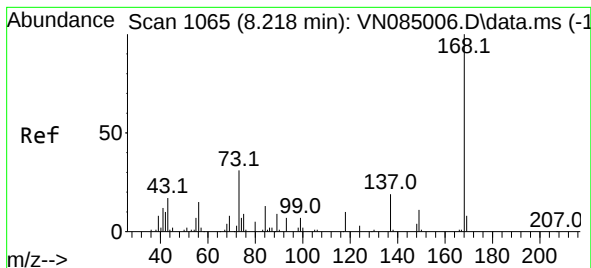
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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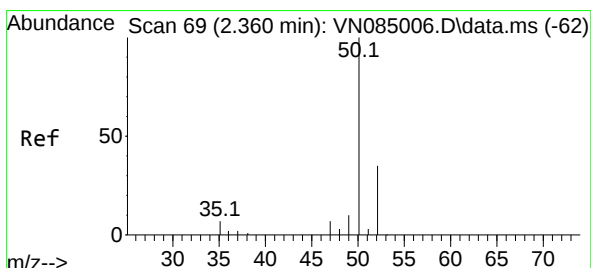
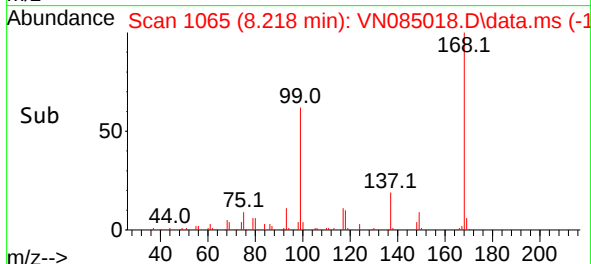
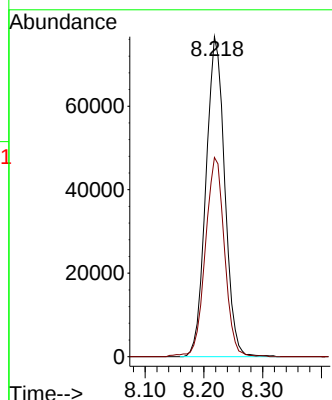
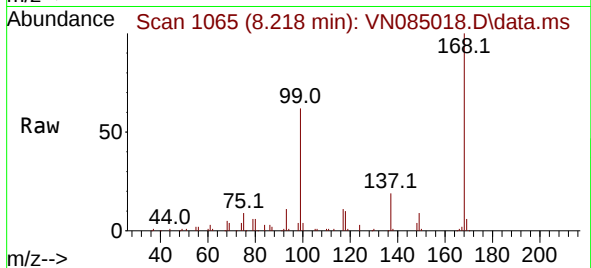




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

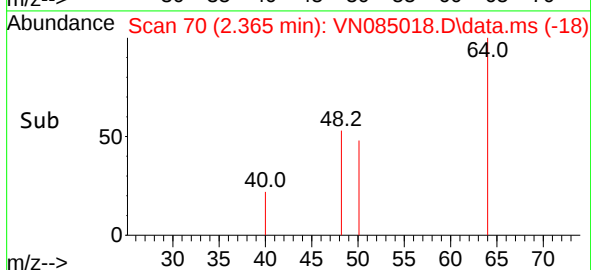
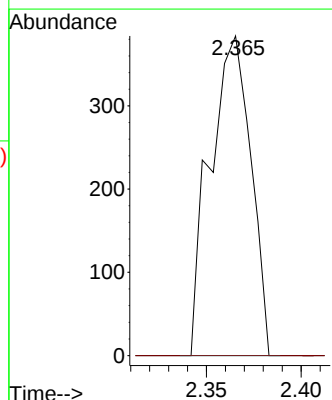
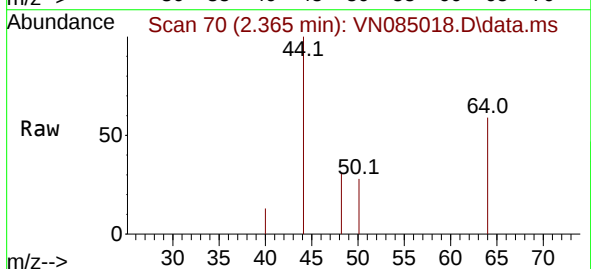
Instrument :
MSVOA_N
ClientSampleId :

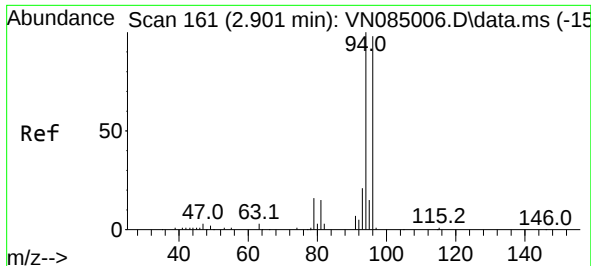
Tgt Ion:168 Resp: 169757
Ion Ratio Lower Upper
168 100
99 62.2 51.2 76.8



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 50 Resp: 577
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

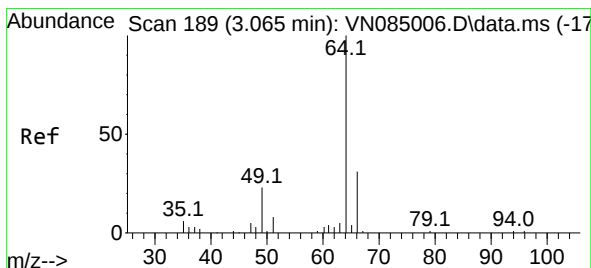
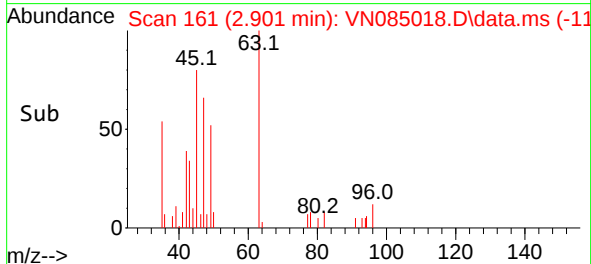
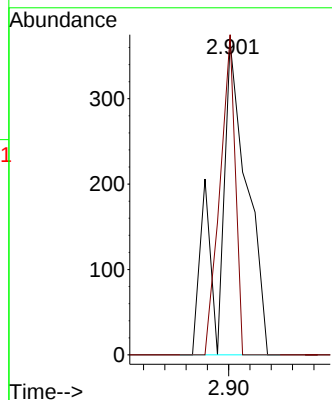
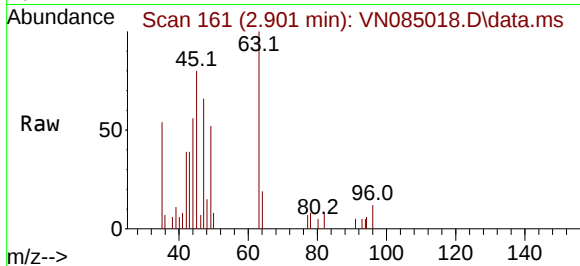




#5
Bromomethane
Concen: 0.301 ug/l
RT: 2.901 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

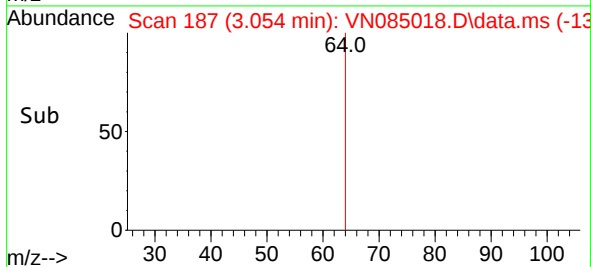
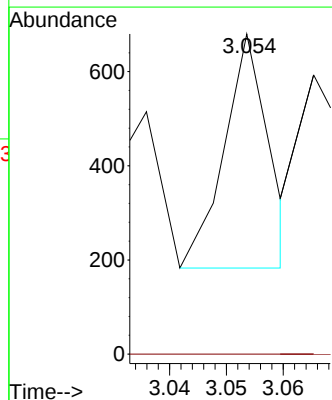
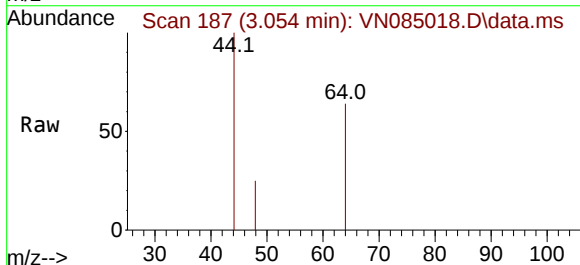
Instrument :
MSVOA_N
ClientSampleId :

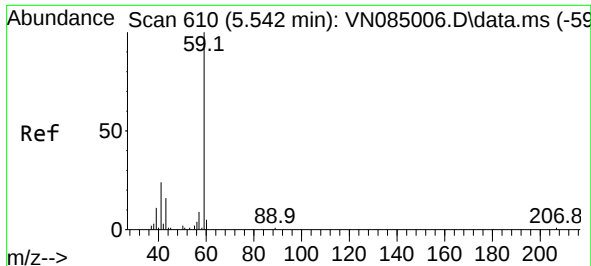
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 102.2 78.7 118.1



#6
Chloroethane
Concen: 0.205 ug/l
RT: 3.054 min Scan# 187
Delta R.T. -0.012 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#





#11

Tert butyl alcohol

Concen: 0.897 ug/l

RT: 5.506 min Scan# 604

Delta R.T. -0.035 min

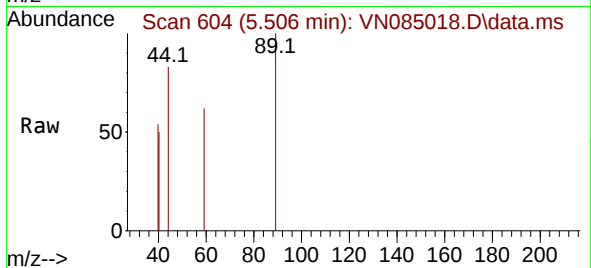
Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :

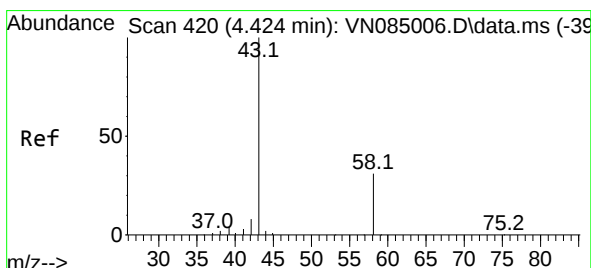
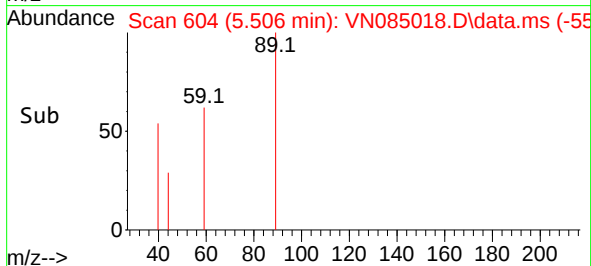
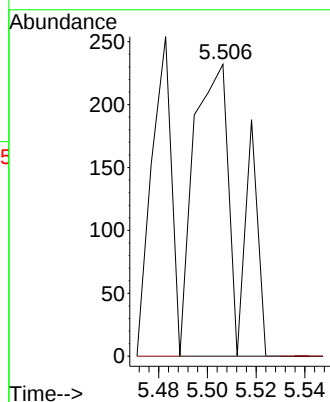


Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#16

Acetone

Concen: 1.615 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN085018.D

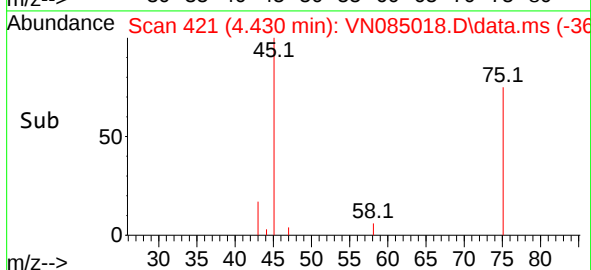
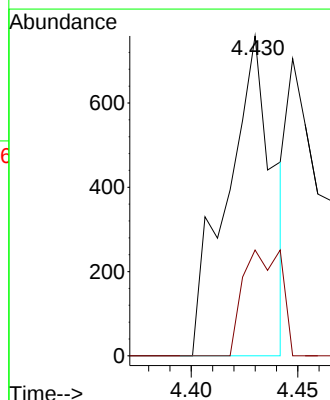
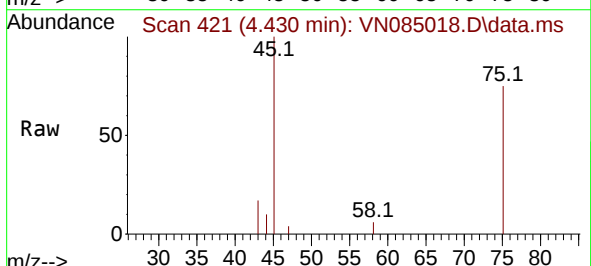
Acq: 22 Nov 2024 20:05

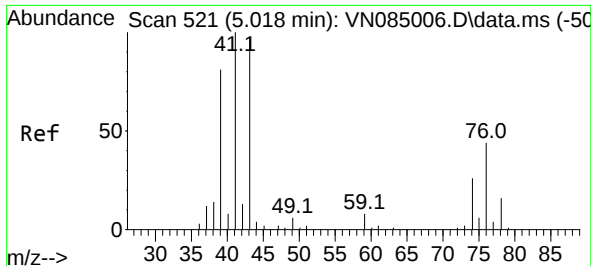
Tgt Ion: 43 Resp: 1137

Ion Ratio Lower Upper

43 100

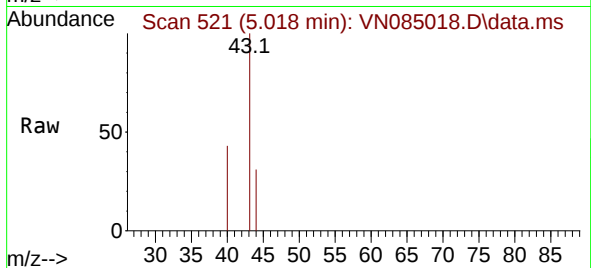
58 33.1 25.4 38.2



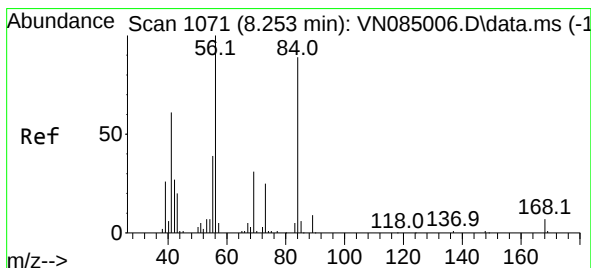
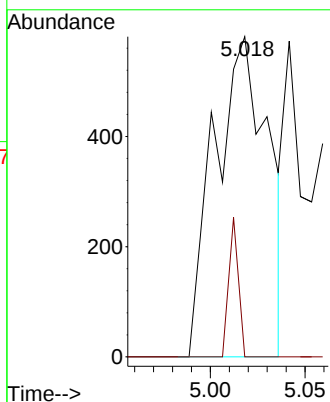
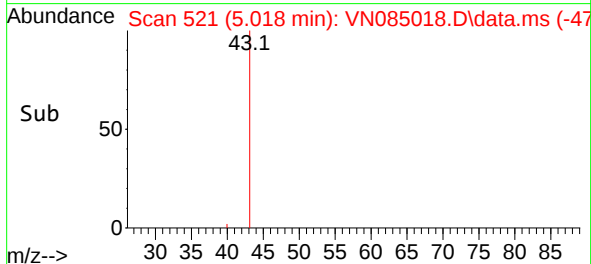


#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Instrument :
MSVOA_N
ClientSampleId :

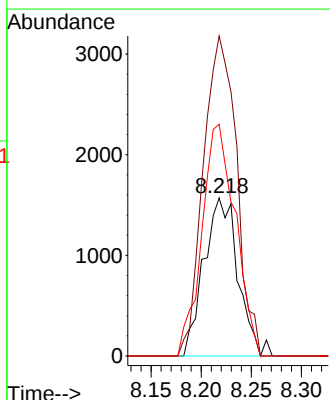
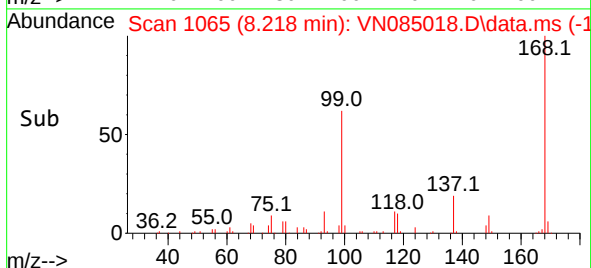
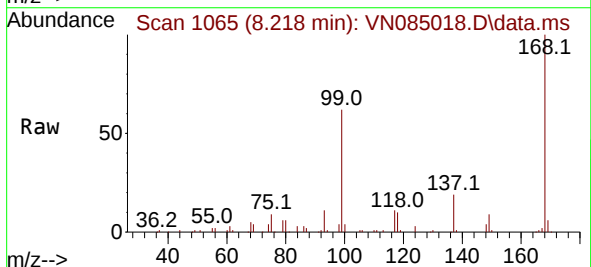


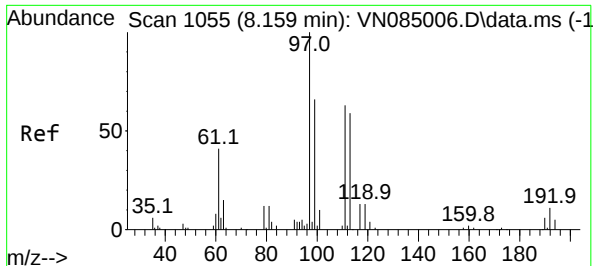
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
74 7.7 20.1 30.1#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 56 Resp: 3709
Ion Ratio Lower Upper
56 100
69 202.7 24.6 36.8#
84 146.8 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 0.568 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :

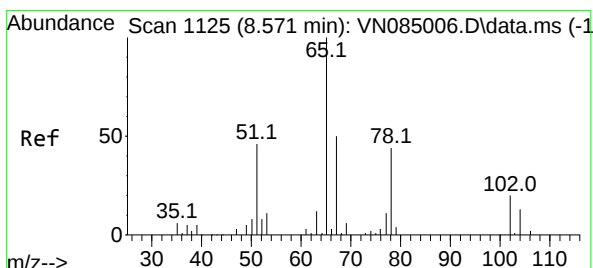
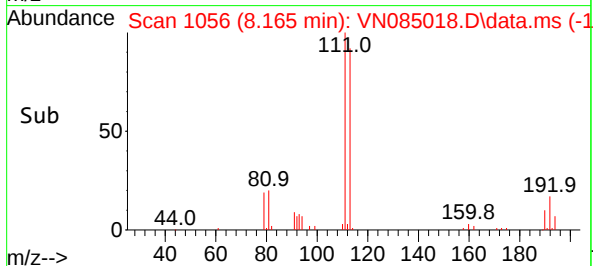
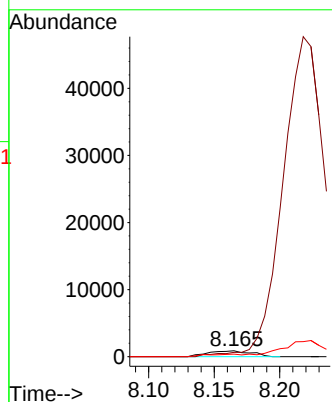
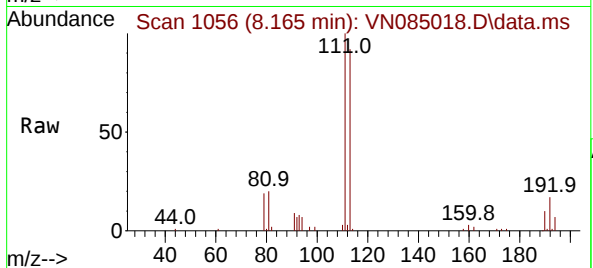
Tgt Ion: 97 Resp: 1999

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

61 34.8 36.2 54.2#



#33

1,2-Dichloroethane-d4

Concen: 51.674 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085018.D

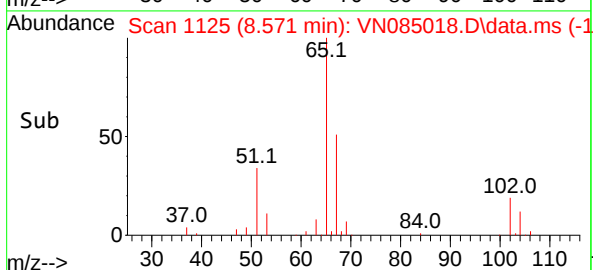
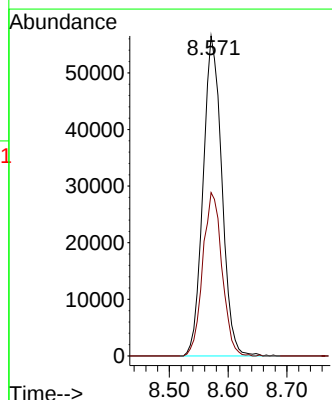
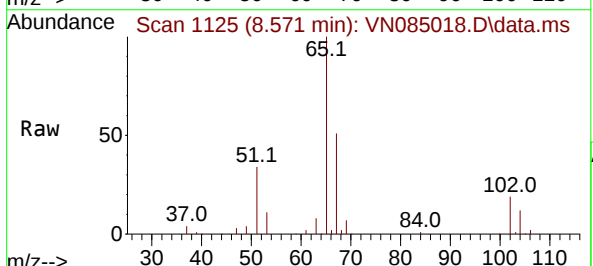
Acq: 22 Nov 2024 20:05

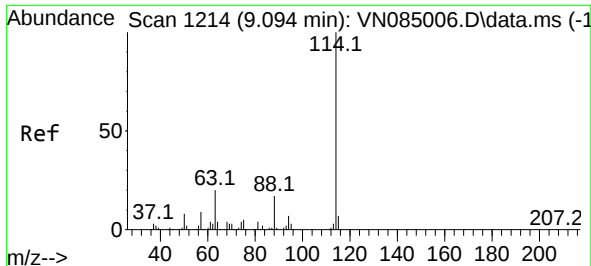
Tgt Ion: 65 Resp: 124950

Ion Ratio Lower Upper

65 100

67 52.4 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: VN085018.D

Acq: 22 Nov 2024 20:05

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ClientSampleId :

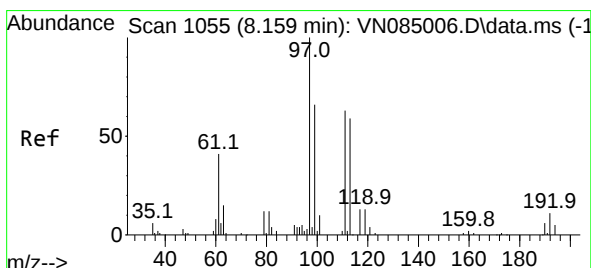
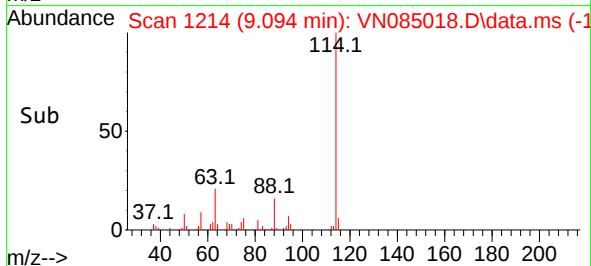
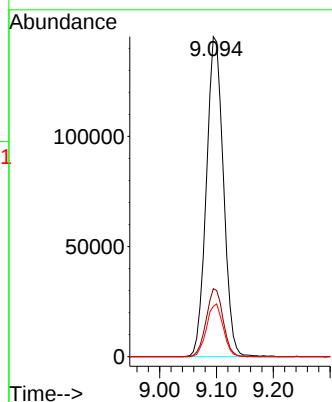
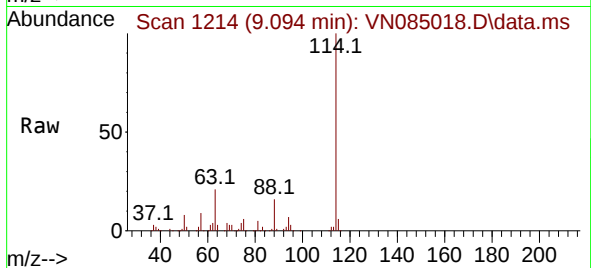
Tgt Ion:114 Resp: 301590

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.691 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

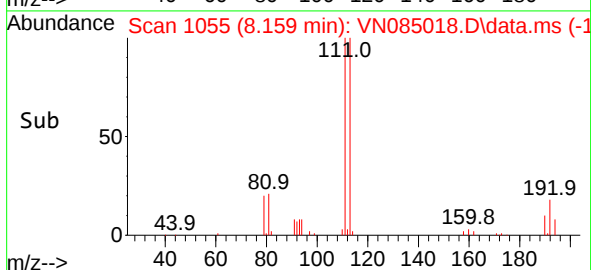
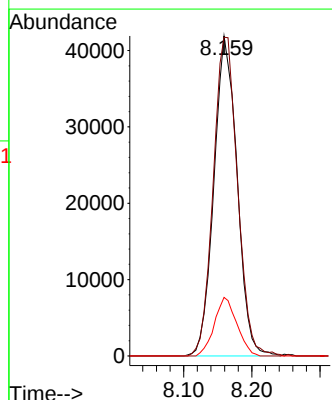
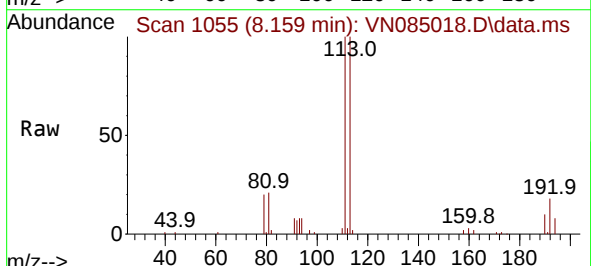
Tgt Ion:113 Resp: 99028

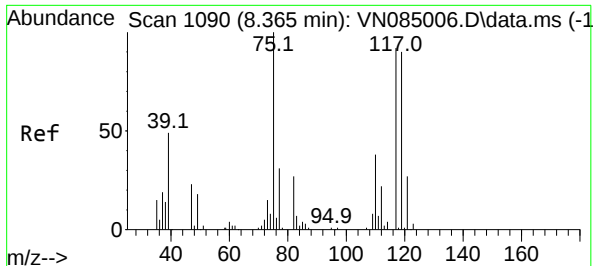
Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.378 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085018.D

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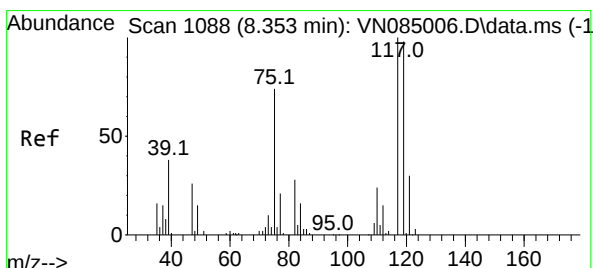
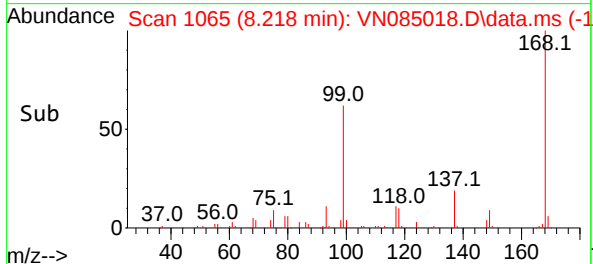
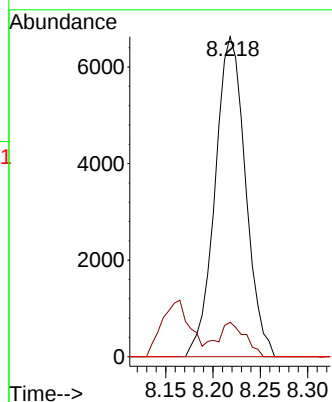
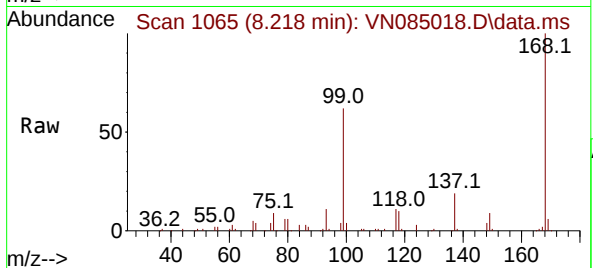
Tgt Ion: 75 Resp: 14814

Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

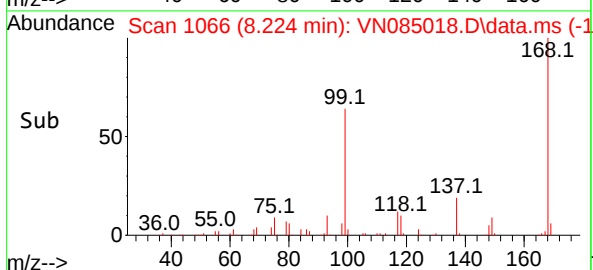
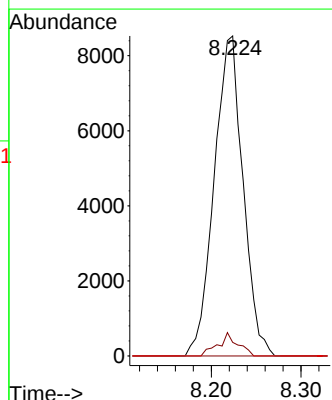
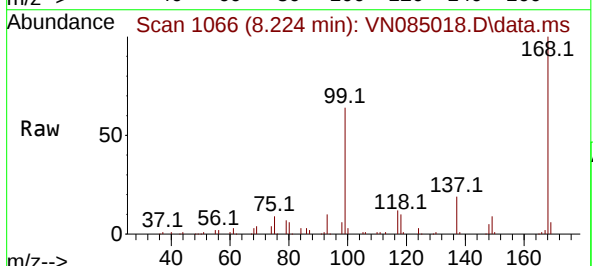
Tgt Ion: 117 Resp: 19017

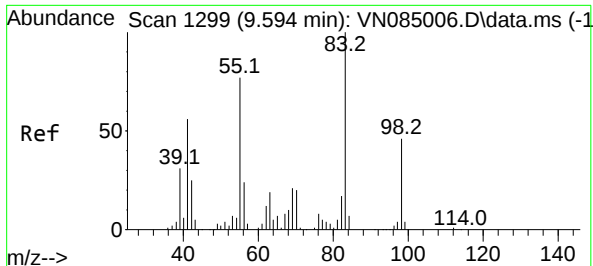
Ion Ratio Lower Upper

117 100

119 4.3 78.6 117.8#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.451 ug/l

RT: 9.347 min Scan# 1299

Delta R.T. -0.247 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :

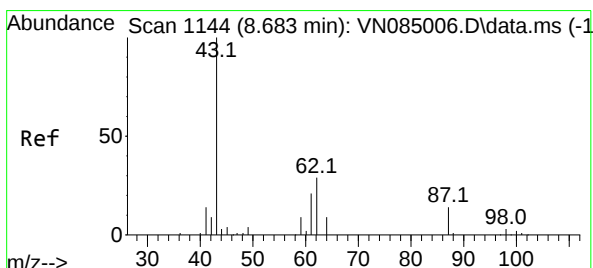
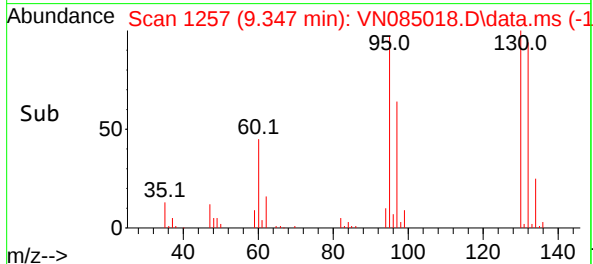
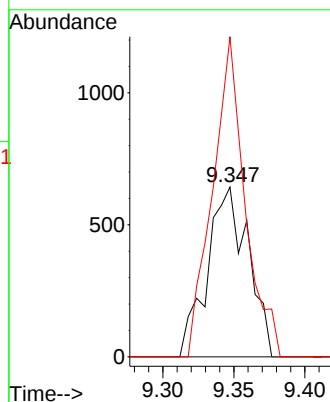
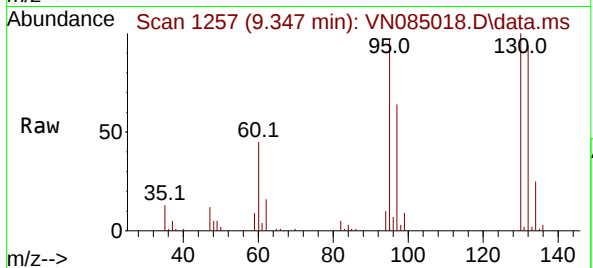
Tgt Ion: 83 Resp: 1290

Ion Ratio Lower Upper

83 100

55 0.0 61.8 92.6#

98 188.6 37.0 55.6#



#43

Isopropyl Acetate

Concen: 0.243 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.012 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

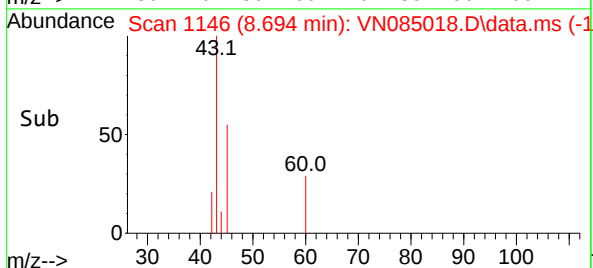
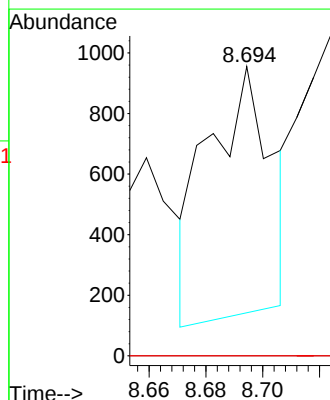
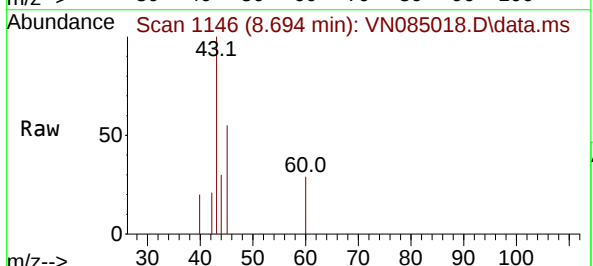
Tgt Ion: 43 Resp: 1266

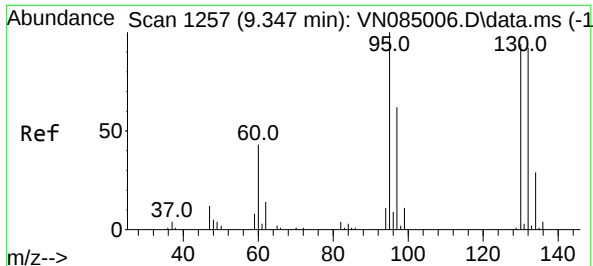
Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

87 0.0 11.0 16.4#

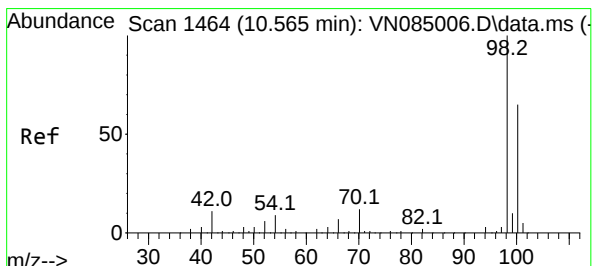
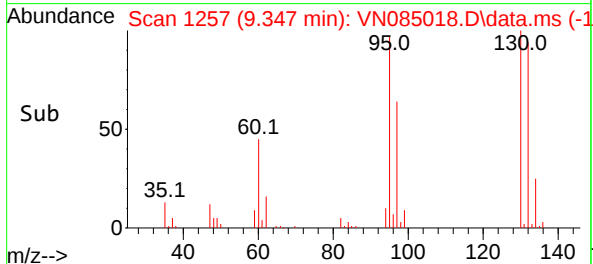
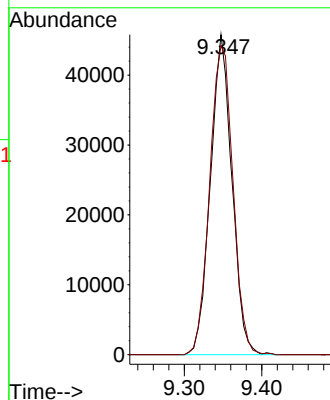
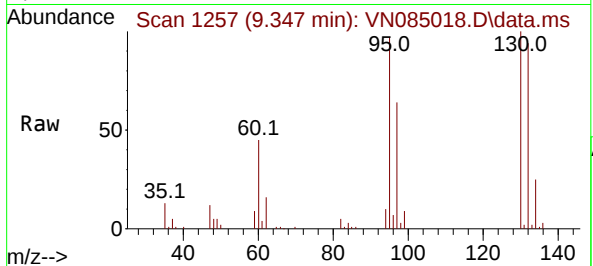




#44
Trichloroethene
Concen: 43.613 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

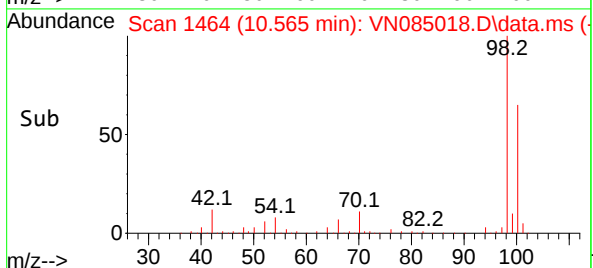
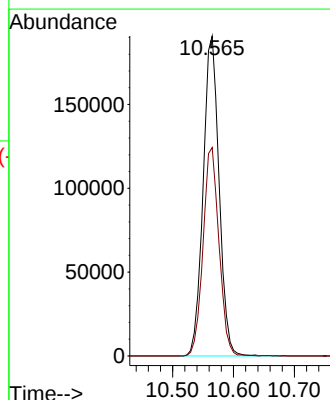
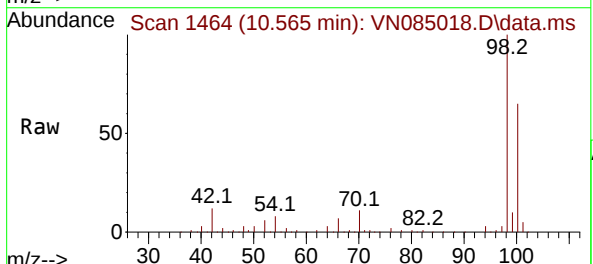
Instrument :
MSVOA_N
ClientSampleId :

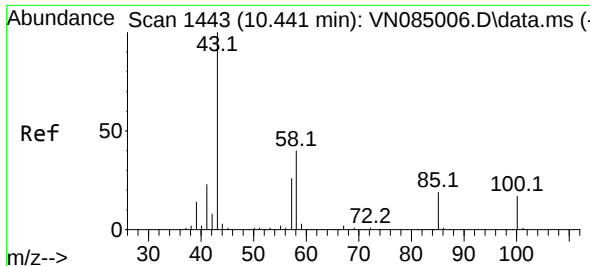
Tgt Ion:130 Resp: 88308
Ion Ratio Lower Upper
130 100
95 96.5 0.0 213.4



#50
Toluene-d8
Concen: 47.576 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 98 Resp: 346771
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.624 ug/l

RT: 10.559 min Scan# 1443

Delta R.T. 0.118 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

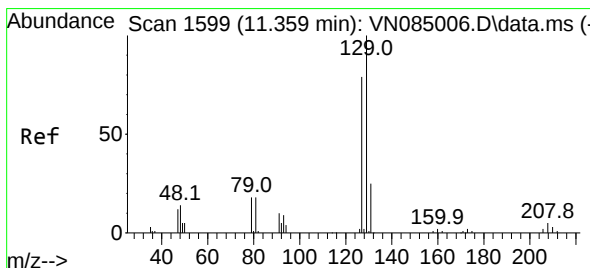
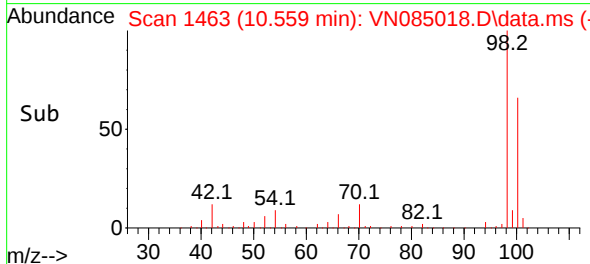
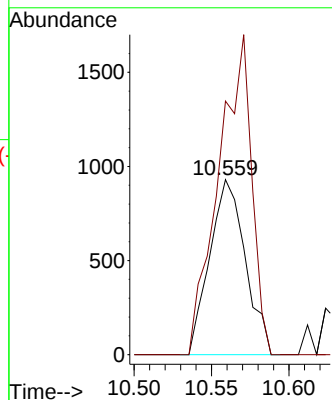
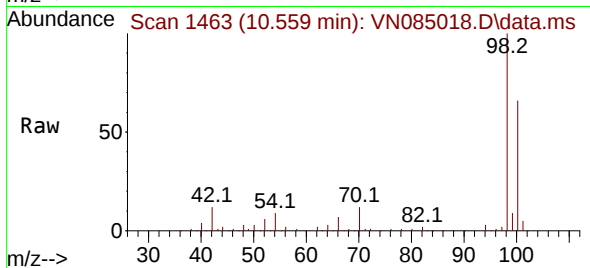
ClientSampleId :

Tgt Ion: 43 Resp: 1483

Ion Ratio Lower Upper

43 100

58 170.3 32.1 48.1#



#60

Dibromochloromethane

Concen: 0.885 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN085018.D

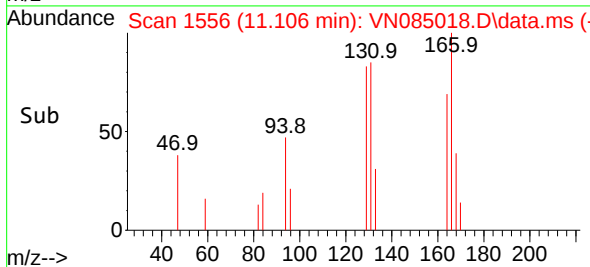
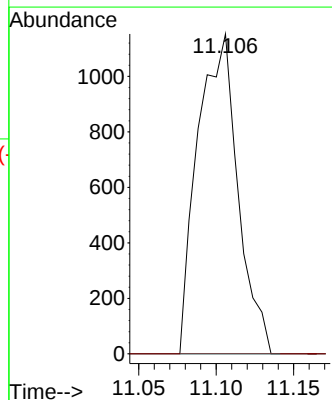
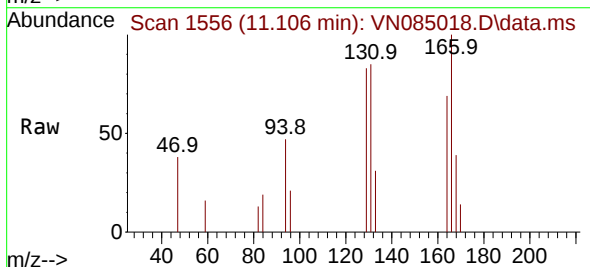
Acq: 22 Nov 2024 20:05

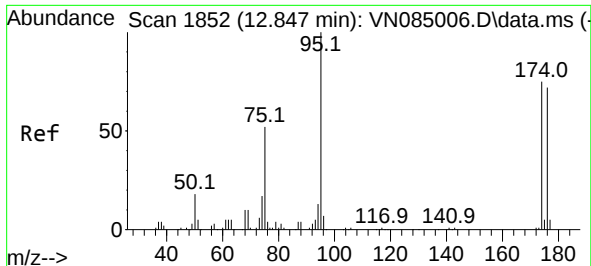
Tgt Ion: 129 Resp: 2078

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#

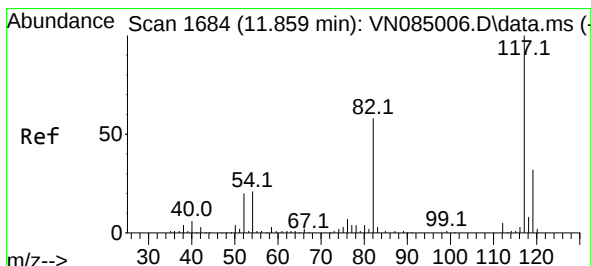
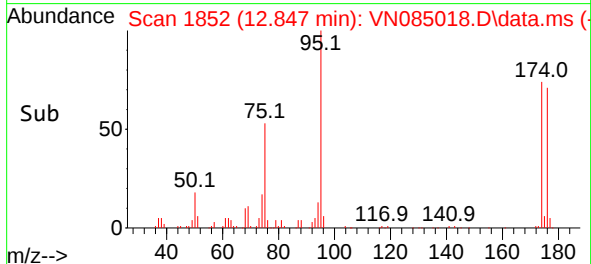
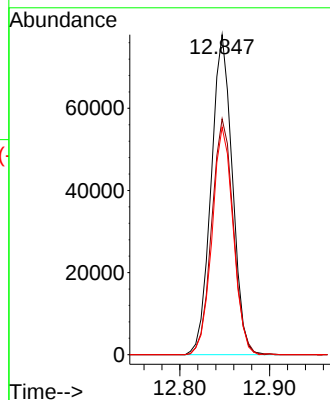
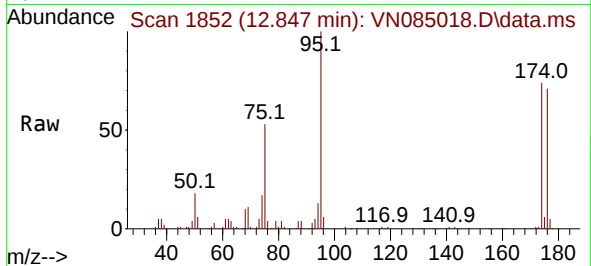




#62
4-Bromofluorobenzene
Concen: 46.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

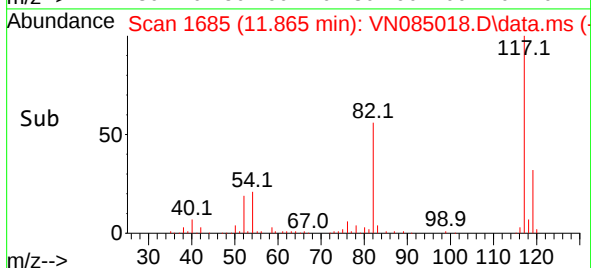
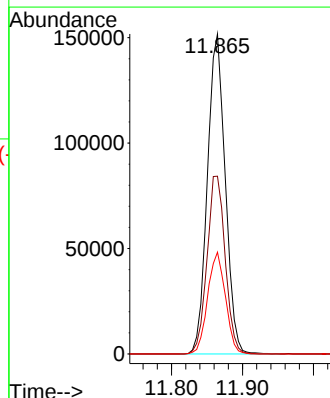
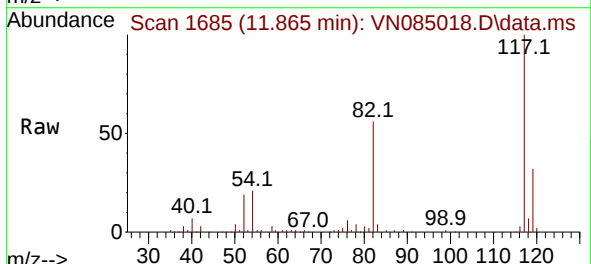
Instrument :
MSVOA_N
ClientSampleId :

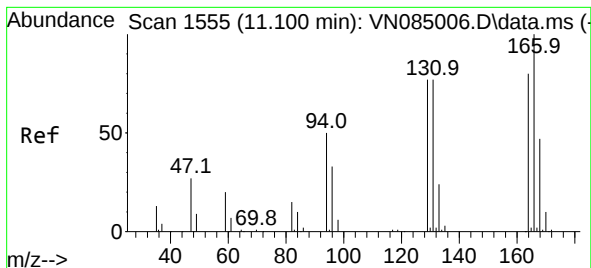
Tgt Ion: 95 Resp: 127974
Ion Ratio Lower Upper
95 100
174 75.1 0.0 146.6
176 70.9 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 117 Resp: 265028
Ion Ratio Lower Upper
117 100
82 55.5 46.0 69.0
119 31.8 25.6 38.4





#64

Tetrachloroethene

Concen: 1.169 ug/l

RT: 11.100 min Scan# 11

Delta R.T. 0.000 min

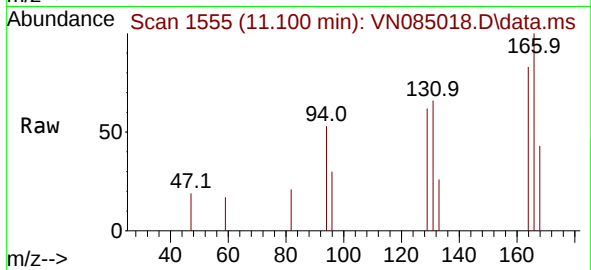
Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 2087

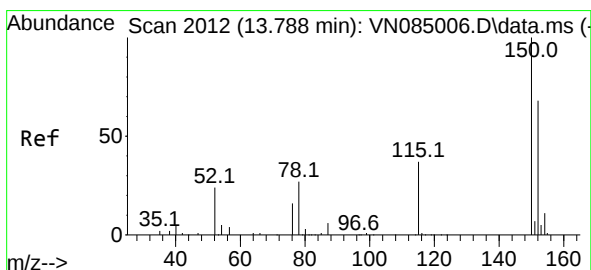
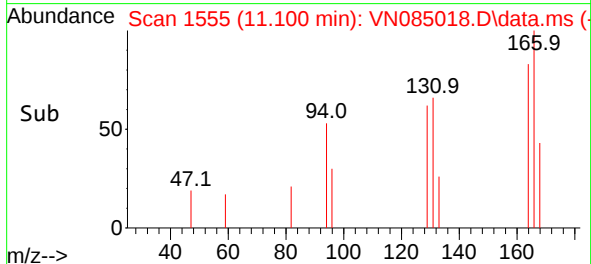
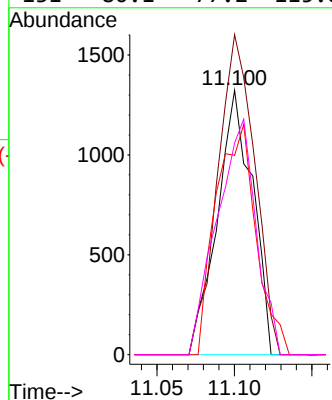
Ion Ratio Lower Upper

164 100

166 121.0 100.6 151.0

129 75.4 77.7 116.5#

131 80.1 77.2 115.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

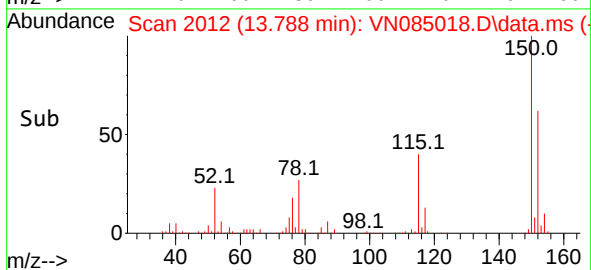
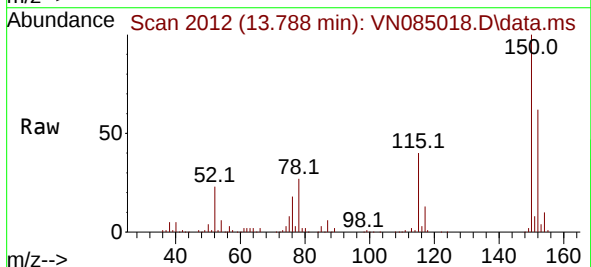
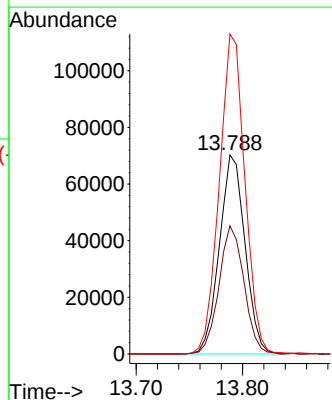
Tgt Ion:152 Resp: 117323

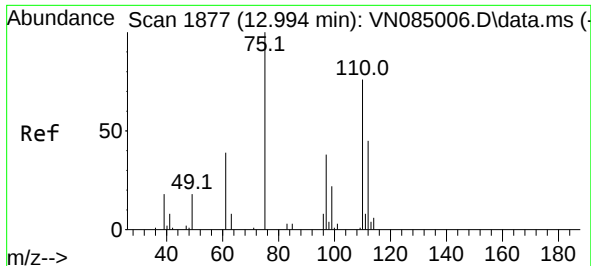
Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 160.3 0.0 351.4

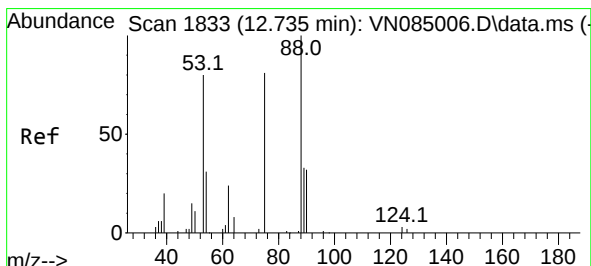
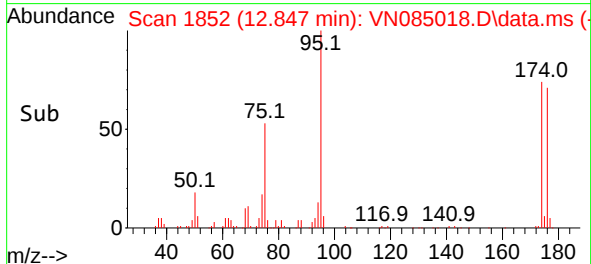
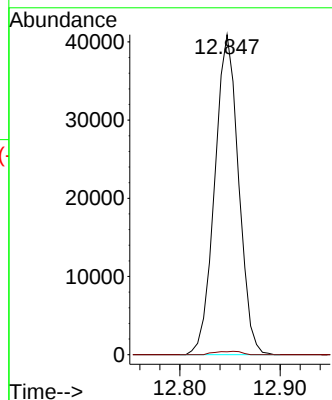
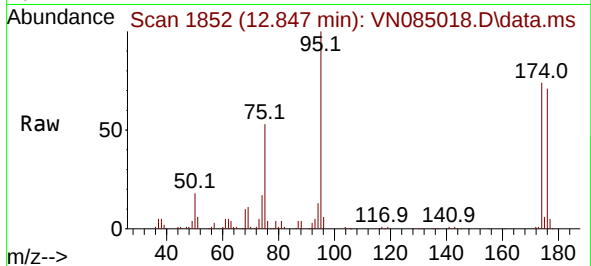




#76
1,2,3-Trichloropropane
Concen: 31.708 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

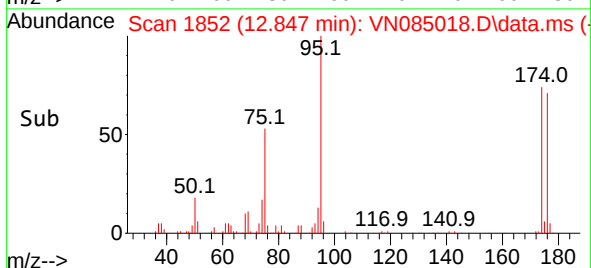
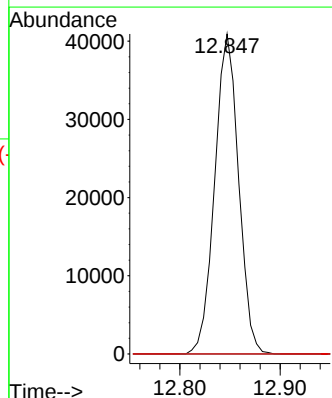
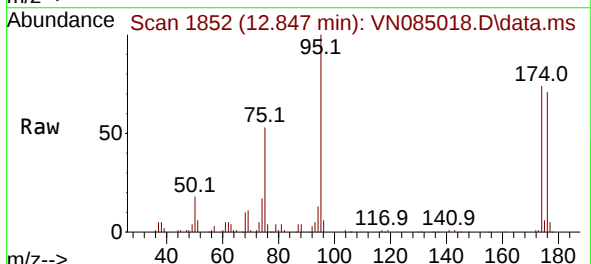
Instrument :
MSVOA_N
ClientSampleId :

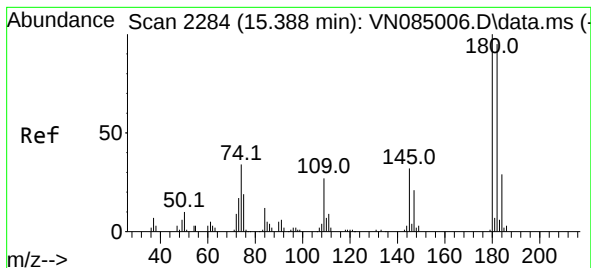
Tgt Ion: 75 Resp: 67665
Ion Ratio Lower Upper
75 100
77 1.2 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.997 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085018.D
Acq: 22 Nov 2024 20:05

Tgt Ion: 75 Resp: 67665
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.254 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

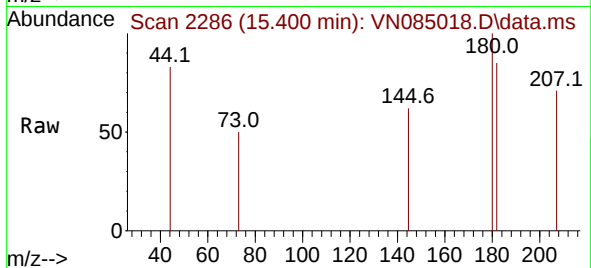
Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

Instrument :

MSVOA_N

ClientSampleId :



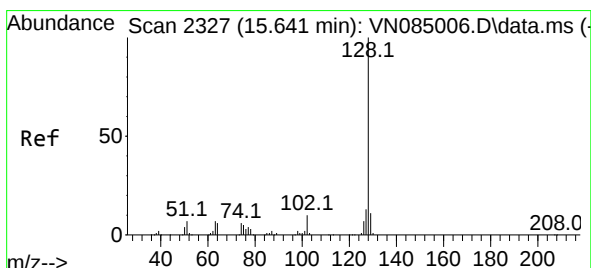
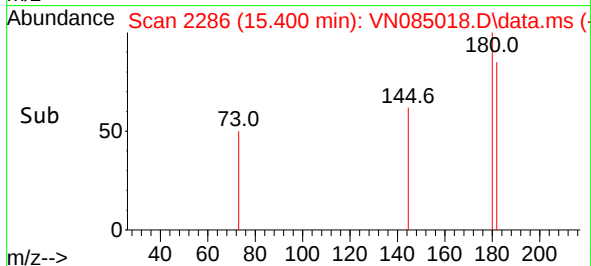
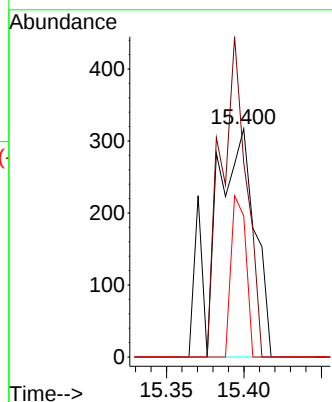
Tgt Ion:180 Resp: 581

Ion	Ratio	Lower	Upper
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180	100		
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182	87.3	46.9	140.8
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145	25.5	16.3	48.8
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#95

Naphthalene

Concen: 0.267 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN085018.D

Acq: 22 Nov 2024 20:05

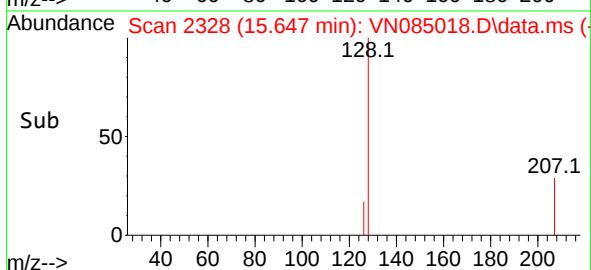
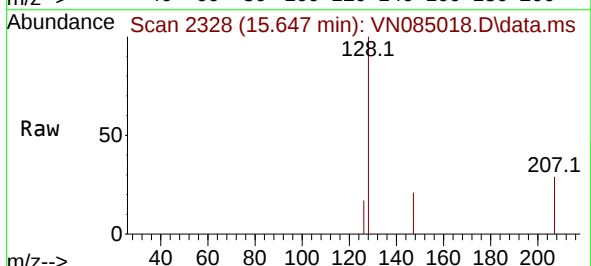
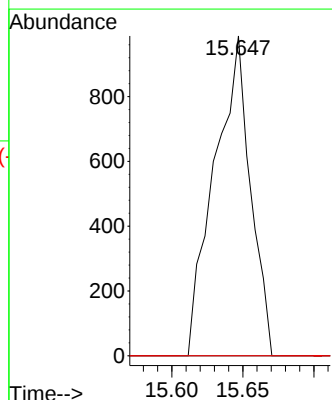
Tgt Ion:128 Resp: 1736

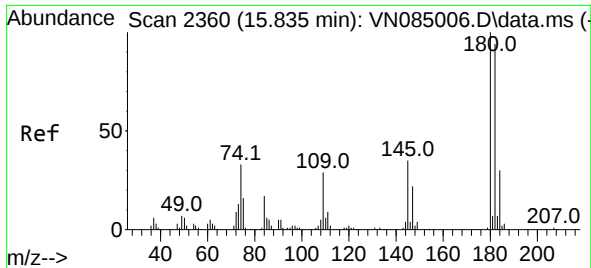
Ion	Ratio	Lower	Upper
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128	100		
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127	0.0	10.6	16.0#
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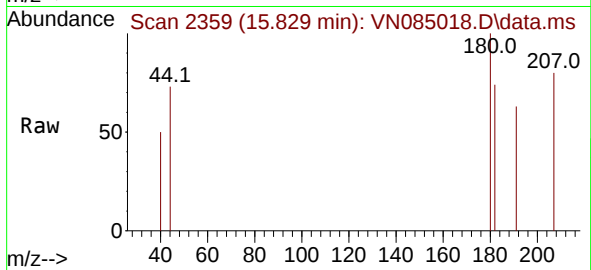
129	0.0	8.6	12.8#
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#96
 1,2,3-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN085018.D
 Acq: 22 Nov 2024 20:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	485
Ion	Ratio	Lower	Upper
180	100		
182	123.5	46.4	139.2
145	36.1	17.3	52.0

