

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083240.D
 Acq On : 12 Aug 2024 16:12
 Operator : JC\MD
 Sample : P3530-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:21:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

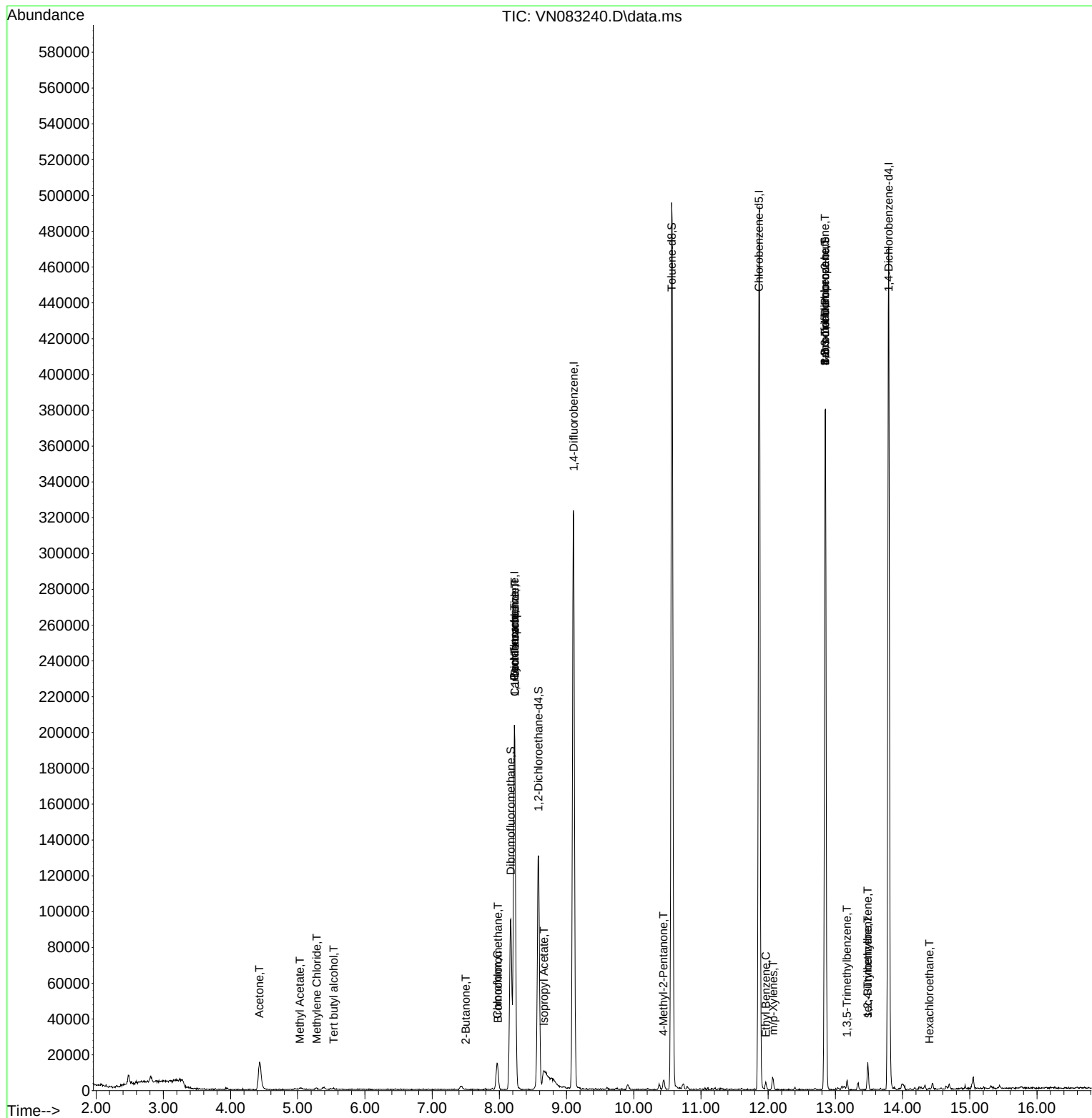
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	140412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113669	56.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.740%
35) Dibromofluoromethane	8.171	113	69871	40.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.940%
50) Toluene-d8	10.565	98	341660	53.702	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.400%
62) 4-Bromofluorobenzene	12.847	95	138820	55.968	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	111.940%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.536	59	774	1.863	ug/l #	71
16) Acetone	4.430	43	32104	41.051	ug/l	94
18) Methyl Acetate	5.030	43	1947	0.836	ug/l #	63
20) Methylene Chloride	5.283	84	474	0.263	ug/l #	32
25) 2-Butanone	7.500	43	461	0.384	ug/l #	53
28) Bromochloromethane	7.977	49	880	0.715	ug/l #	21
30) Chloroform	7.971	83	14939	4.771	ug/l	97
31) Cyclohexane	8.224	56	4039	1.364	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	12556	4.867	ug/l #	53
38) Carbon Tetrachloride	8.230	117	16339	5.623	ug/l #	15
43) Isopropyl Acetate	8.665	43	20633	2.517	ug/l #	60
51) 4-Methyl-2-Pentanone	10.441	43	3842	1.406	ug/l	95
67) Ethyl Benzene	11.965	91	3099	0.275	ug/l #	83
68) m/p-Xylenes	12.076	106	2537	0.602	ug/l	89
71) Bromoform	12.847	173	731	0.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76994	29.251	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	2690	0.320	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.847	75	76994	63.628	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.482	105	8802	1.040	ug/l	96
85) sec-Butylbenzene	13.482	105	8802	0.867	ug/l #	57
90) Hexachloroethane	14.400	117	464	0.287	ug/l #	14

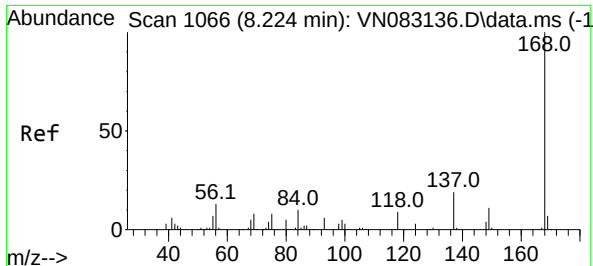
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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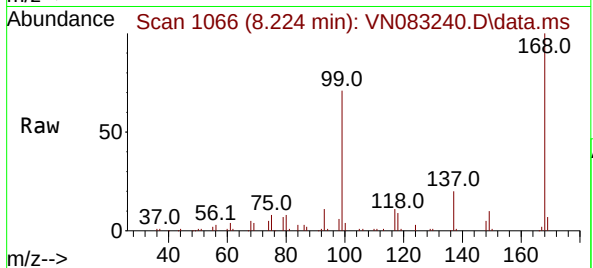
Quant Time: Aug 13 04:21:37 2024
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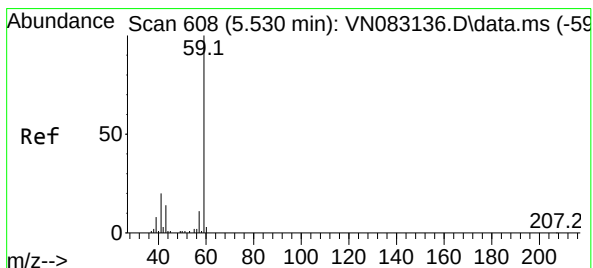
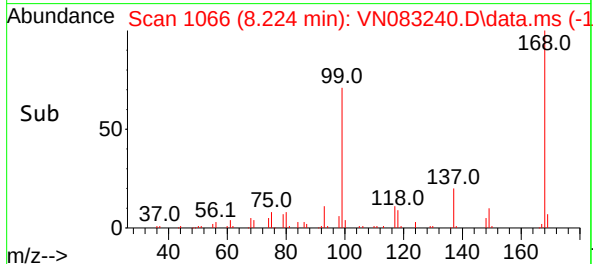
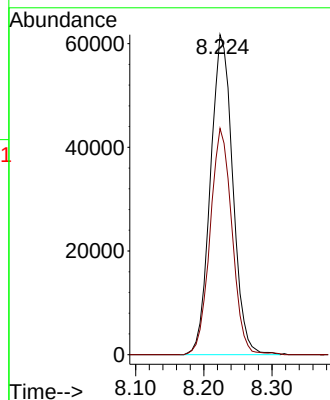


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

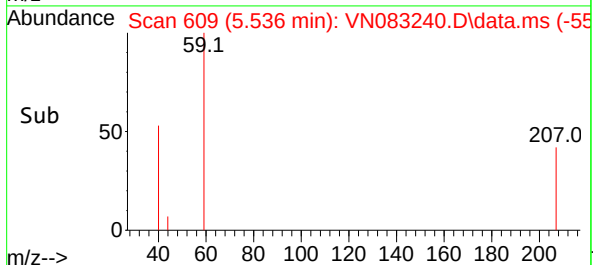
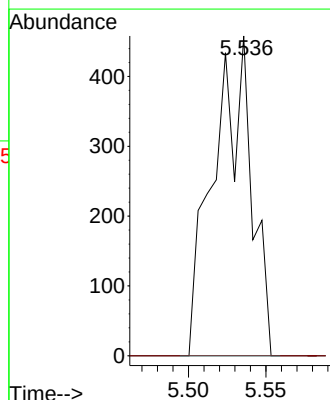
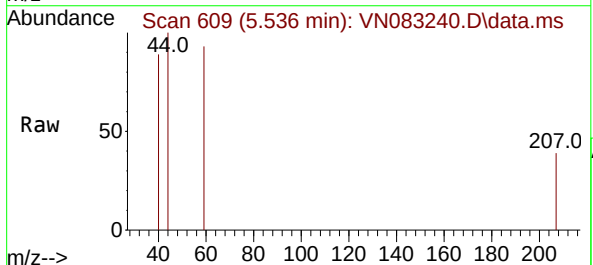


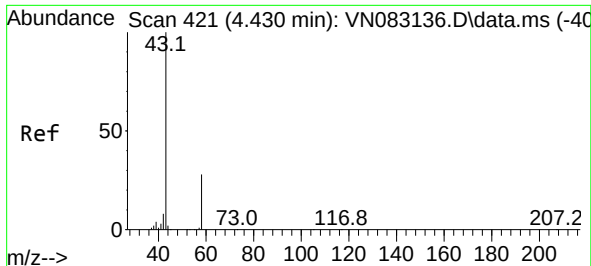
Tgt Ion:168 Resp: 140412
Ion Ratio Lower Upper
168 100
99 70.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.863 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

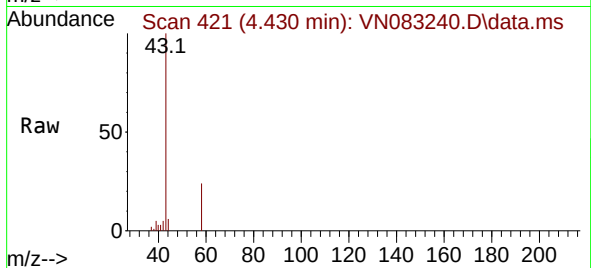
Tgt Ion: 59 Resp: 774
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



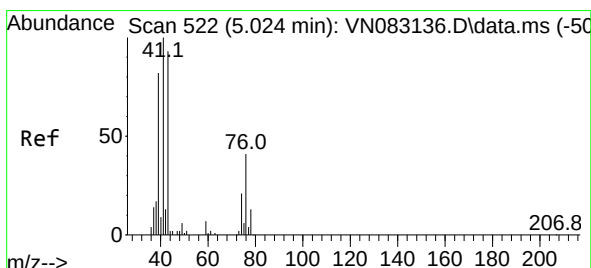
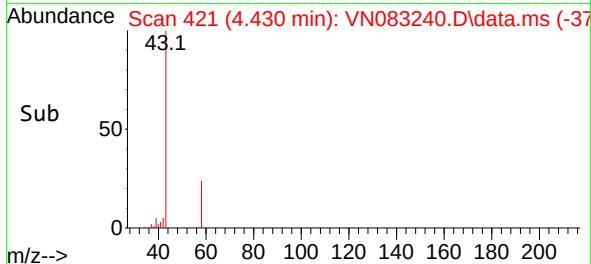
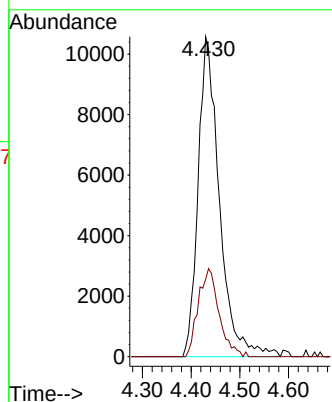


#16
Acetone
Concen: 41.051 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

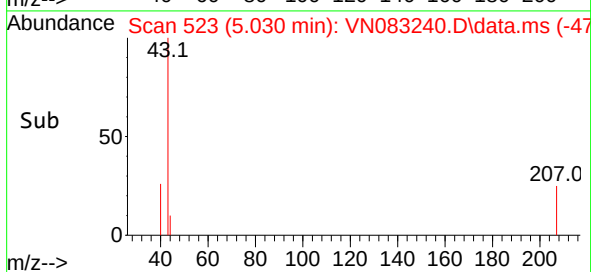
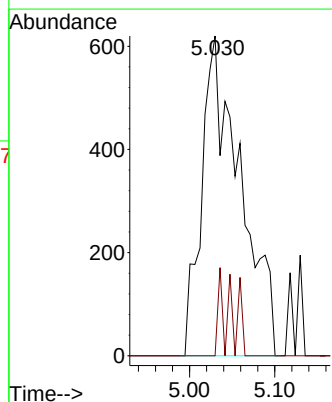
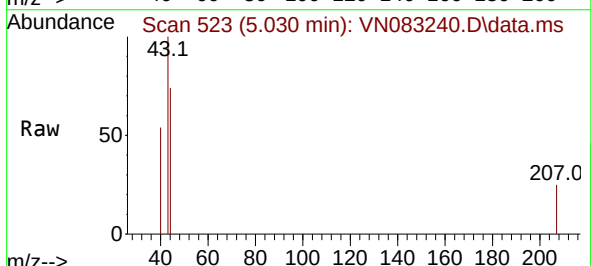


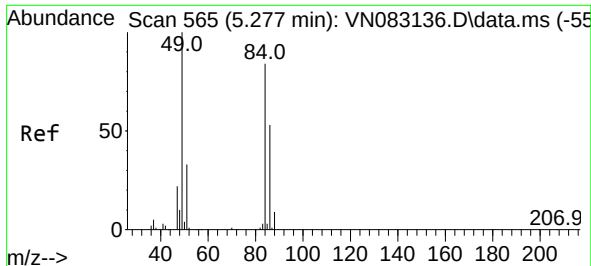
Tgt Ion: 43 Resp: 32104
Ion Ratio Lower Upper
43 100
58 24.2 21.8 32.6



#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

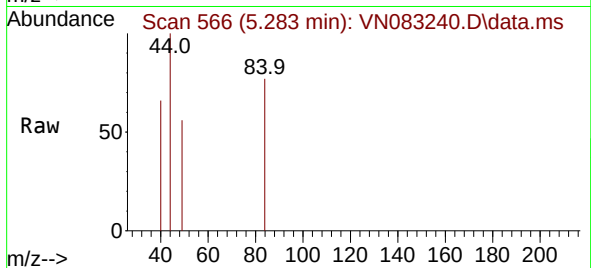
Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
74 3.1 16.3 24.5#



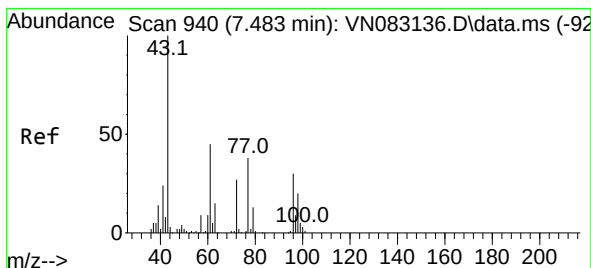
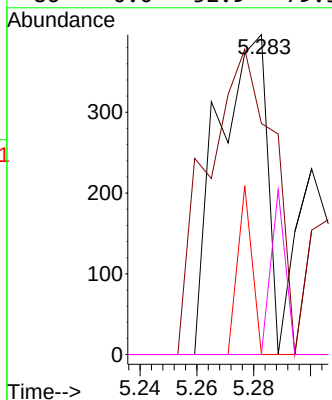
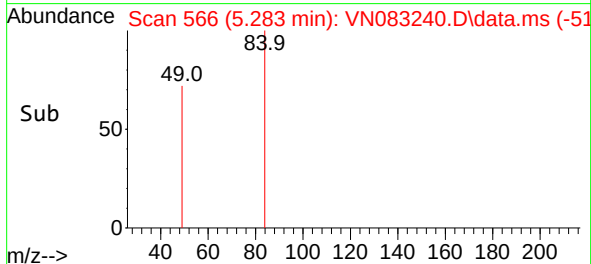


#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

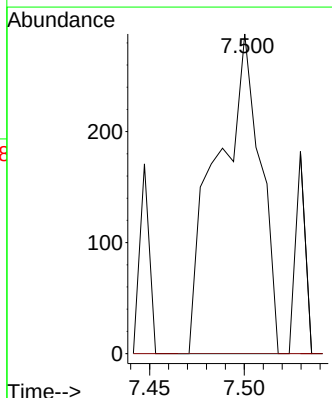
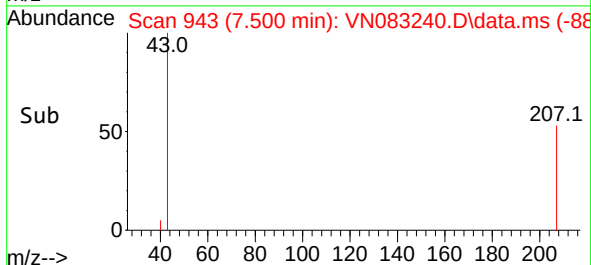
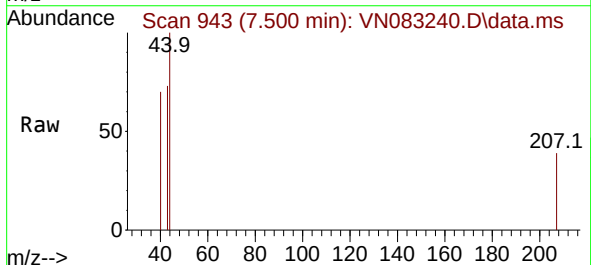


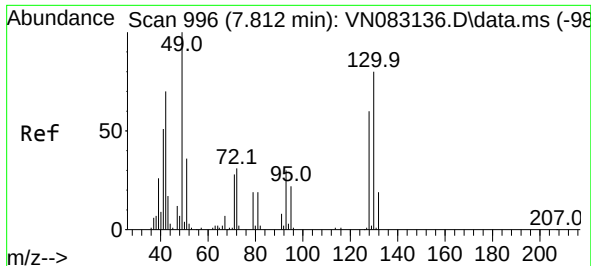
Tgt Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 72.2 119.6 179.4#
51 0.0 34.8 52.2#
86 0.0 52.9 79.3#



#25
2-Butanone
Concen: 0.384 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

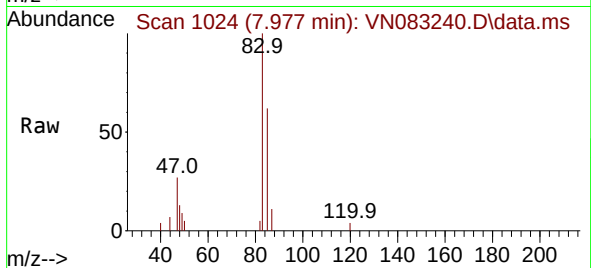
Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#



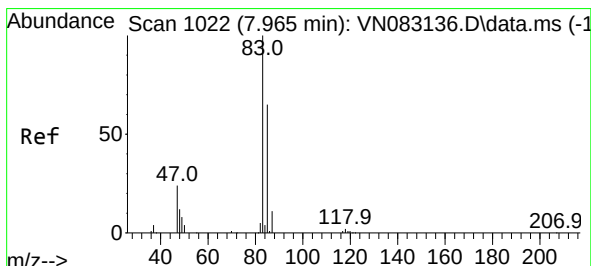
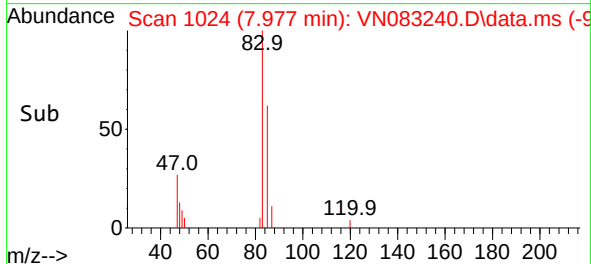
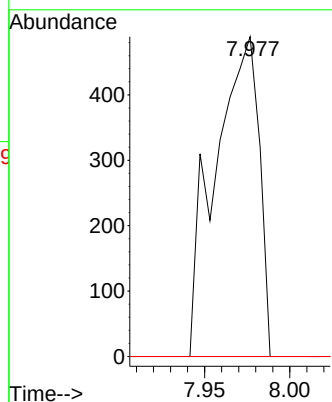


#28
Bromochloromethane
Concen: 0.715 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.165 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

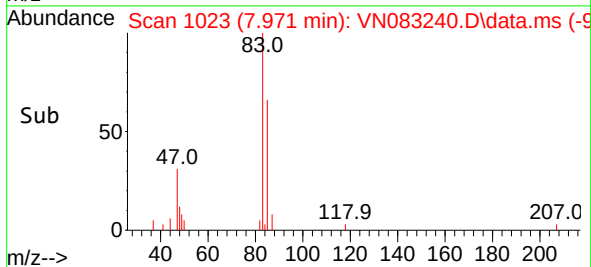
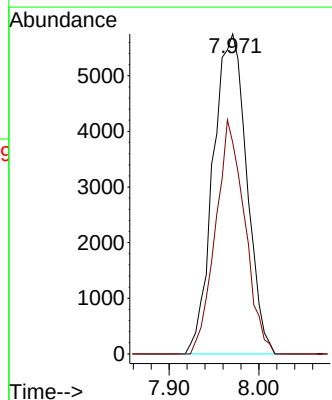
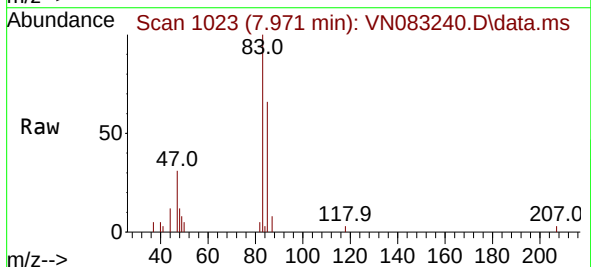


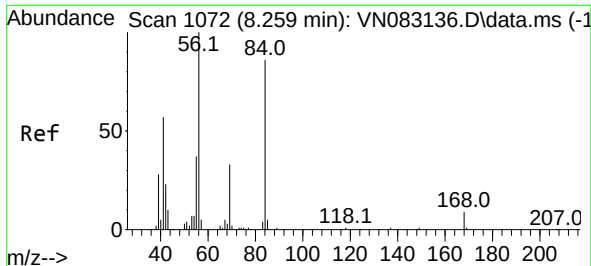
Tgt Ion: 49 Resp: 880
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 50.5 75.7#



#30
Chloroform
Concen: 4.771 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

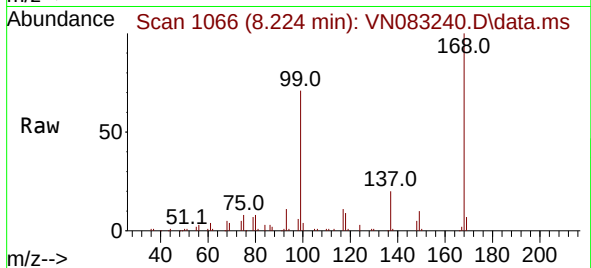
Tgt Ion: 83 Resp: 14939
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3



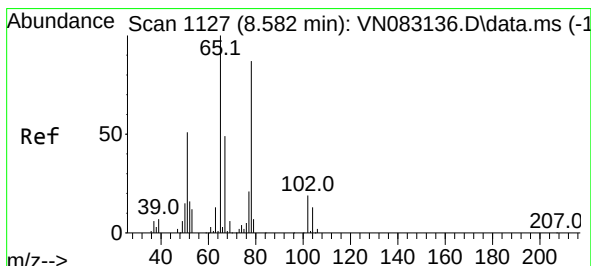
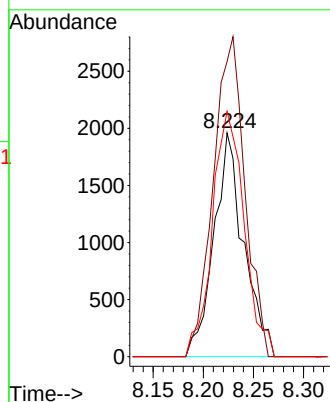
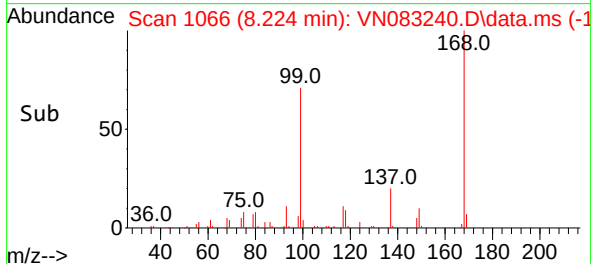


#31
Cyclohexane
Concen: 1.364 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

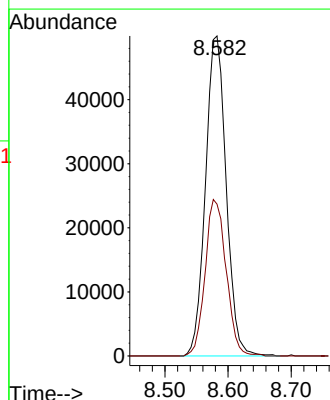
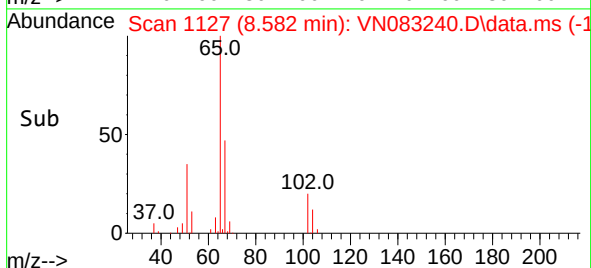
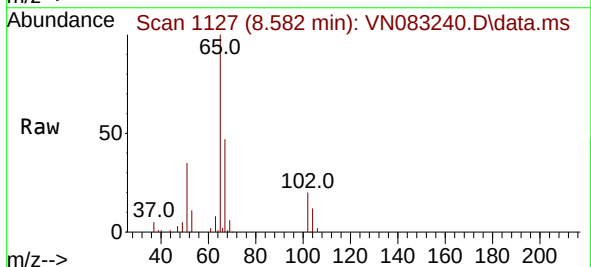


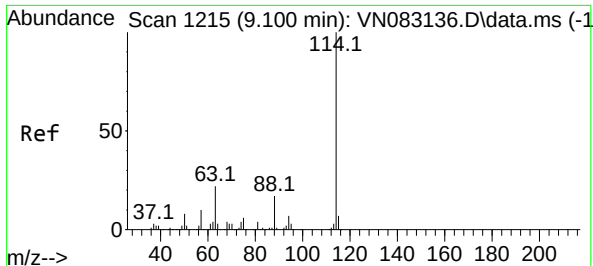
Tgt Ion: 56 Resp: 4039
Ion Ratio Lower Upper
56 100
69 132.0 24.5 36.7#
84 109.7 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 56.874 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Tgt Ion: 65 Resp: 113669
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

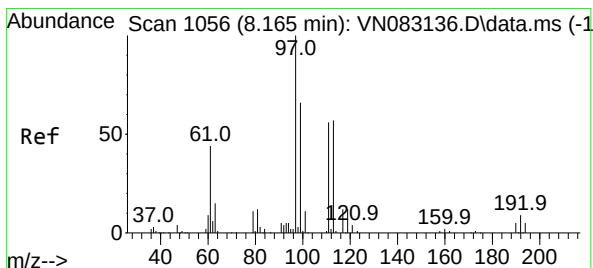
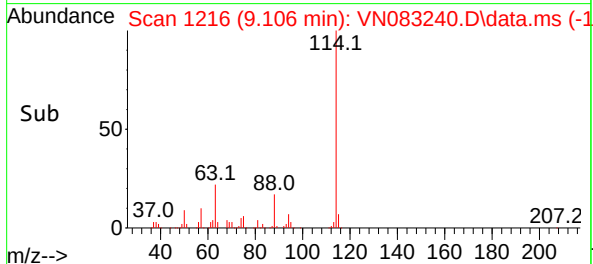
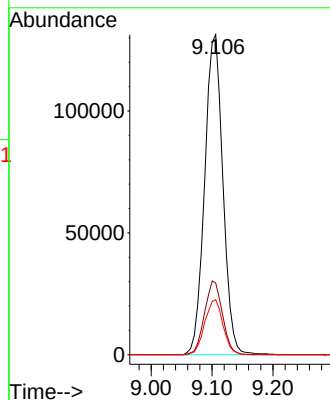
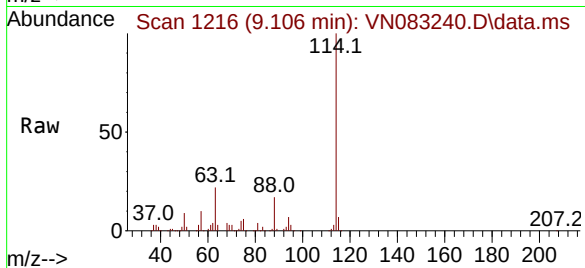
Tgt Ion:114 Resp: 273249

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 17.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 40.967 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

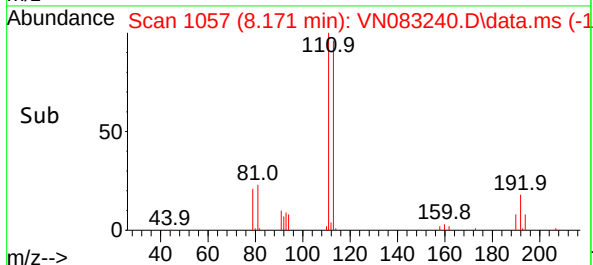
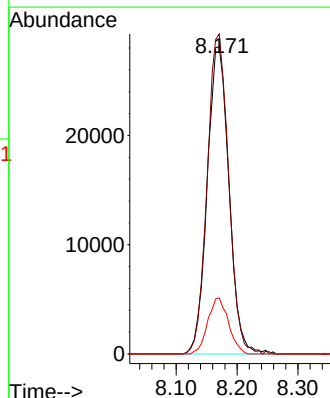
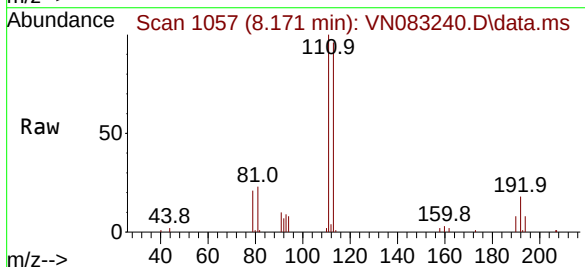
Tgt Ion:113 Resp: 69871

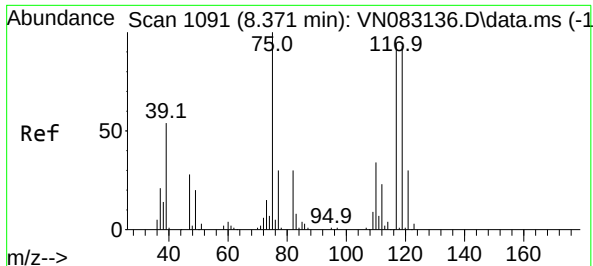
Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 17.4 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.867 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083240.D

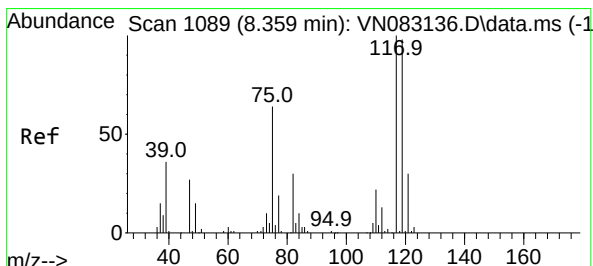
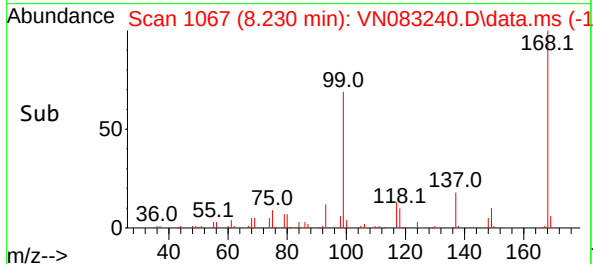
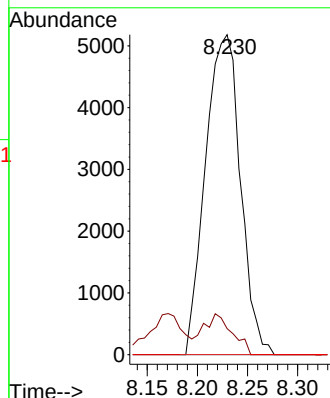
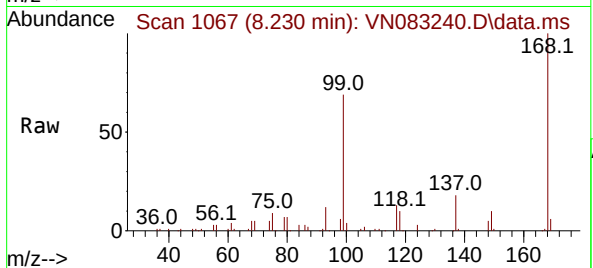
Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	12556
Ion	Ratio	Lower	Upper
75	100		
110	10.6	16.3	48.9#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.623 ug/l

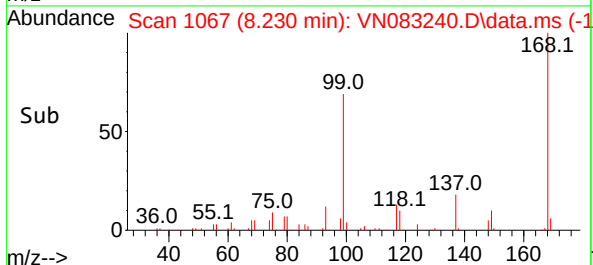
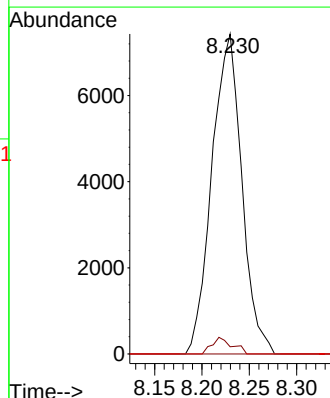
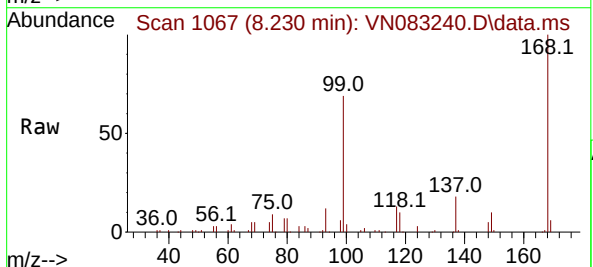
RT: 8.230 min Scan# 1067

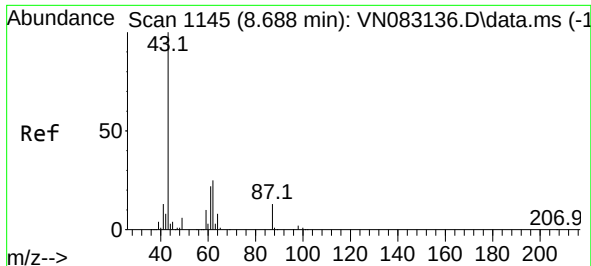
Delta R.T. -0.129 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

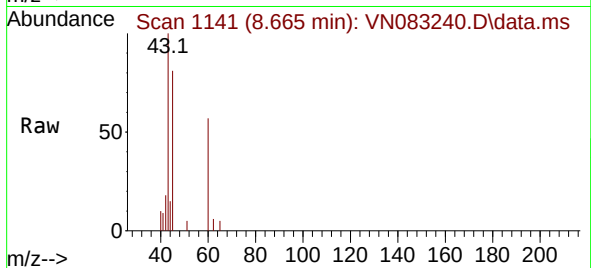
Tgt Ion:	117	Resp:	16339
Ion	Ratio	Lower	Upper
117	100		
119	2.2	74.9	112.3#
121	0.0	24.3	36.5#



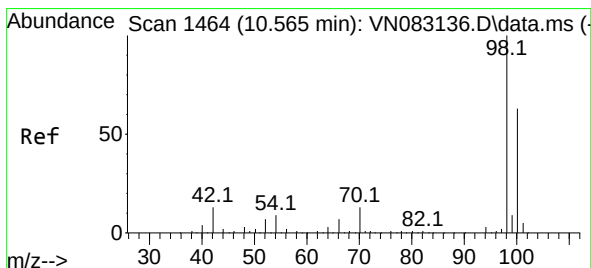
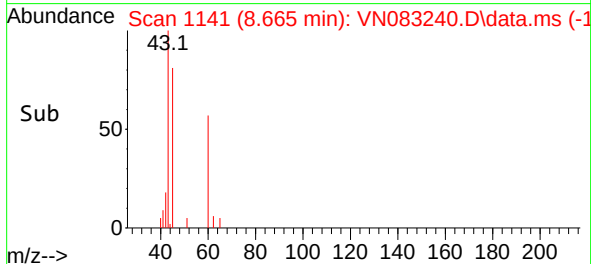
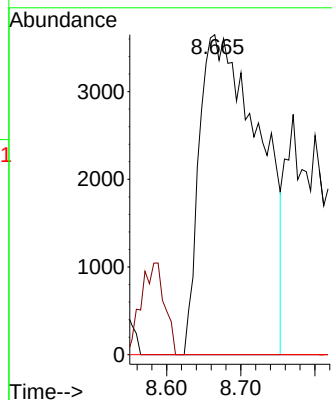


#43
Isopropyl Acetate
Concen: 2.517 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.023 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Instrument :
MSVOA_N
ClientSampleId :

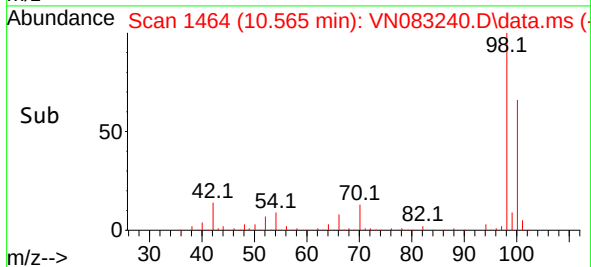
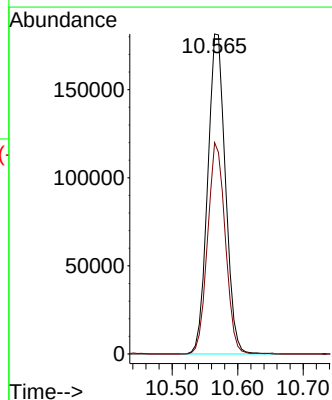
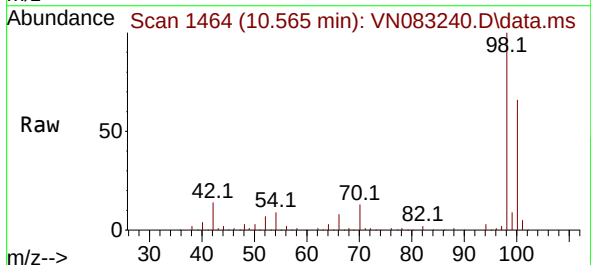


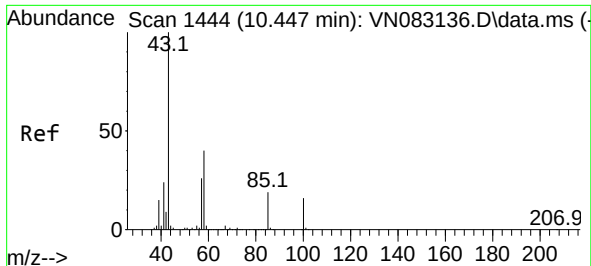
Tgt Ion: 43 Resp: 20633
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 53.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Tgt Ion: 98 Resp: 341660
Ion Ratio Lower Upper
98 100
100 65.7 51.5 77.3

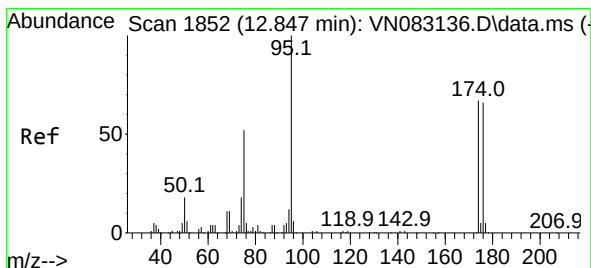
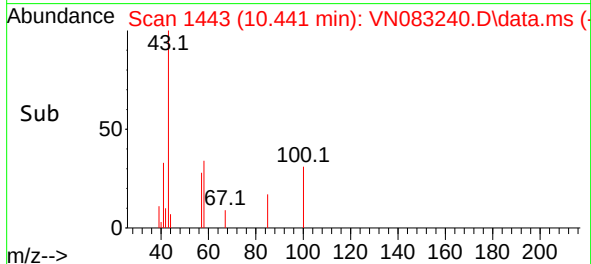
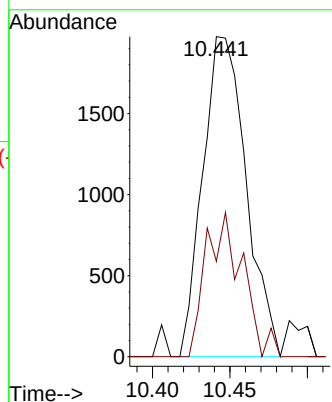
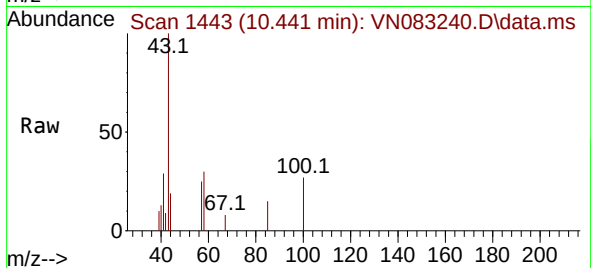




#51
4-Methyl-2-Pentanone
Concen: 1.406 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

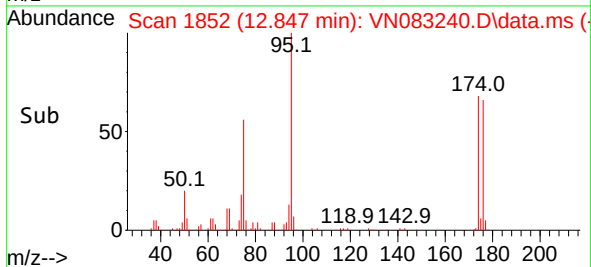
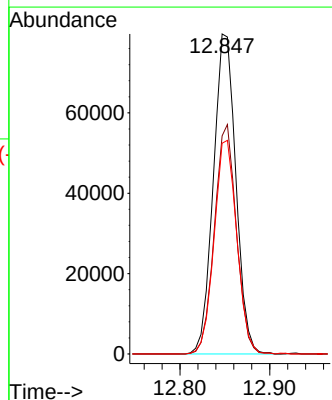
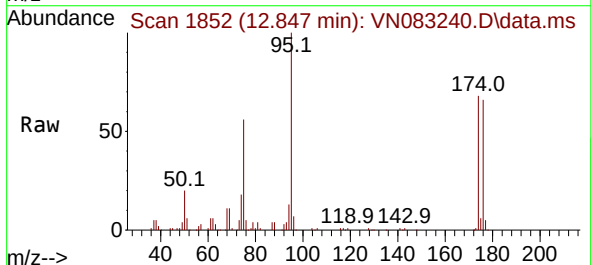
Instrument :
MSVOA_N
ClientSampleId :

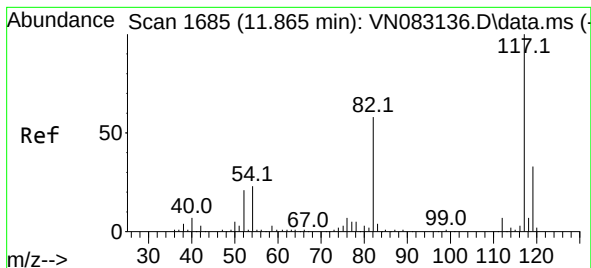
Tgt Ion: 43 Resp: 3842
Ion Ratio Lower Upper
43 100
58 38.1 28.2 42.4



#62
4-Bromofluorobenzene
Concen: 55.968 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Tgt Ion: 95 Resp: 138820
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 67.1 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :

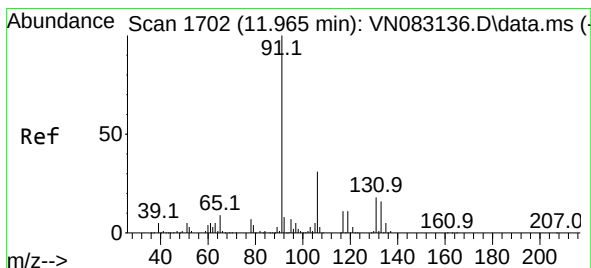
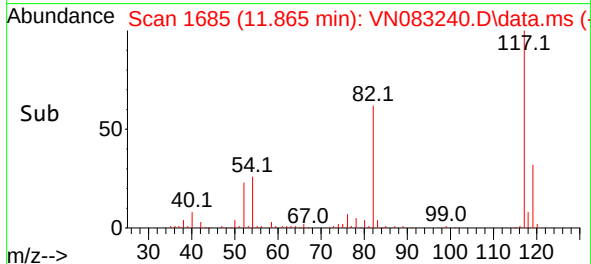
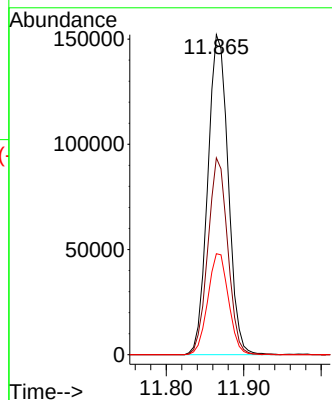
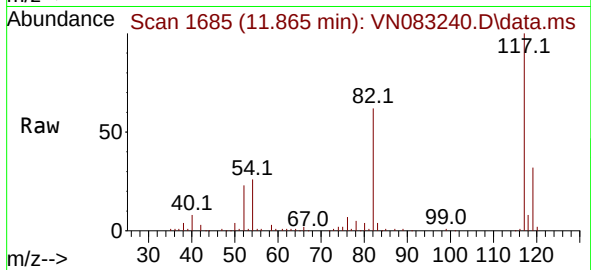
Tgt Ion:117 Resp: 277722

Ion Ratio Lower Upper

117 100

82 61.5 47.5 71.3

119 31.5 25.6 38.4



#67

Ethyl Benzene

Concen: 0.275 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN083240.D

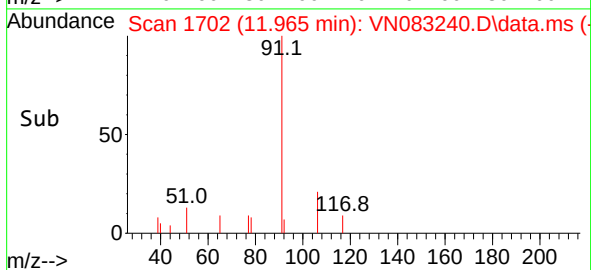
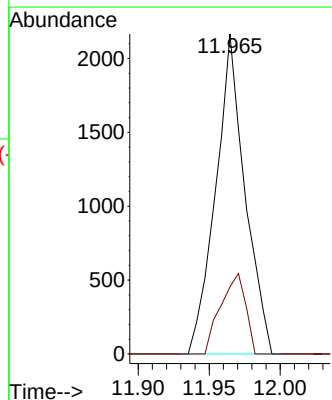
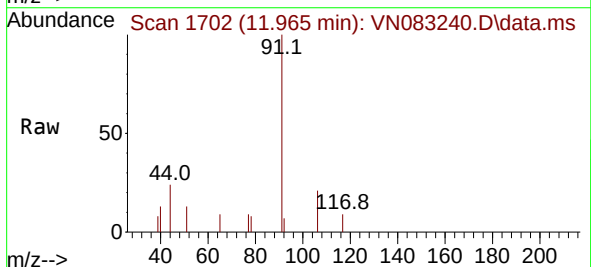
Acq: 12 Aug 2024 16:12

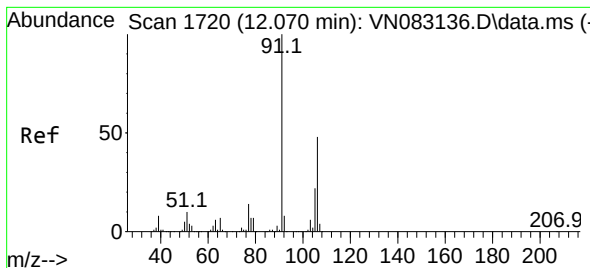
Tgt Ion: 91 Resp: 3099

Ion Ratio Lower Upper

91 100

106 21.0 24.0 36.0#

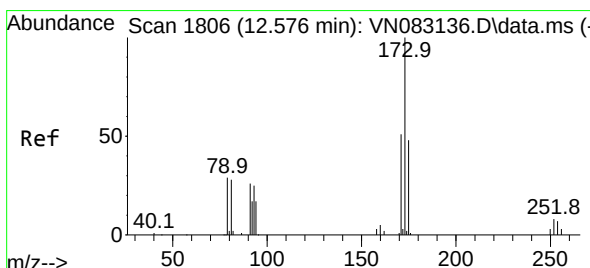
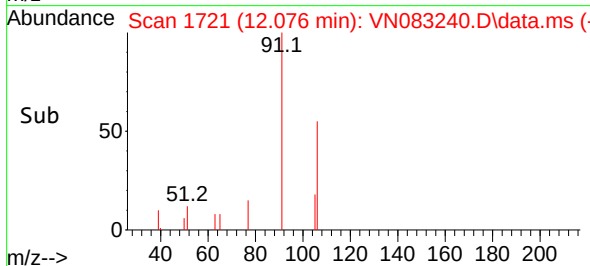
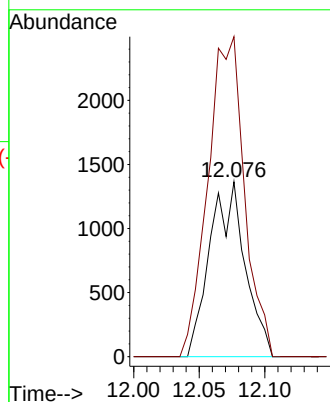
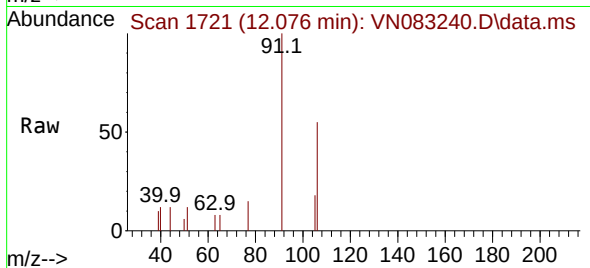




#68
m/p-Xylenes
Concen: 0.602 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

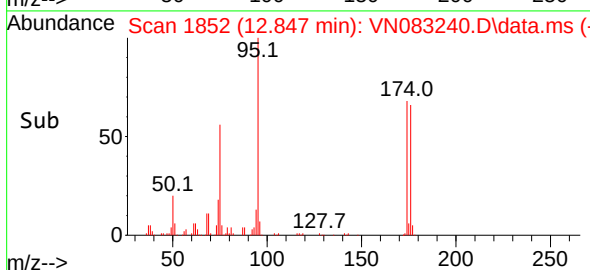
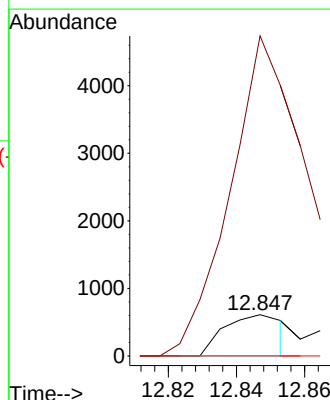
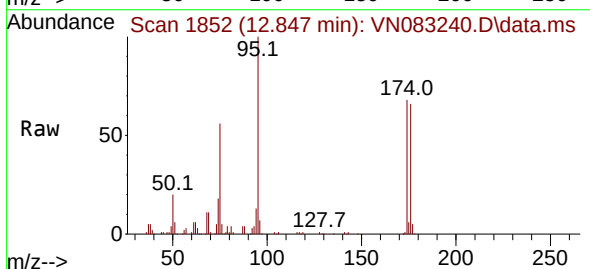
Instrument :
MSVOA_N
ClientSampleId :

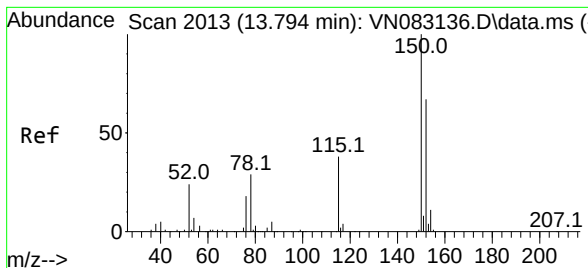
Tgt Ion:106 Resp: 2537
Ion Ratio Lower Upper
106 100
91 190.3 166.1 249.1



#71
Bromoform
Concen: 0.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083240.D
Acq: 12 Aug 2024 16:12

Tgt Ion:173 Resp: 731
Ion Ratio Lower Upper
173 100
175 706.6 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

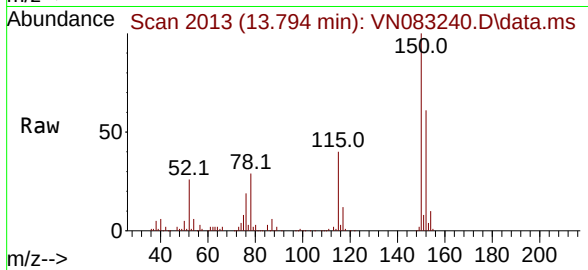
Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



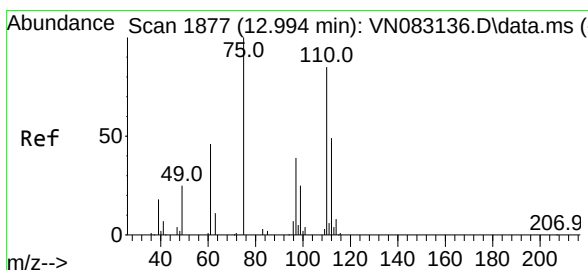
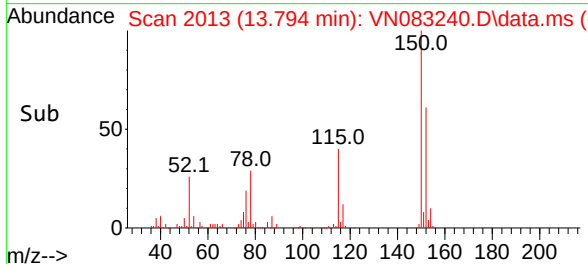
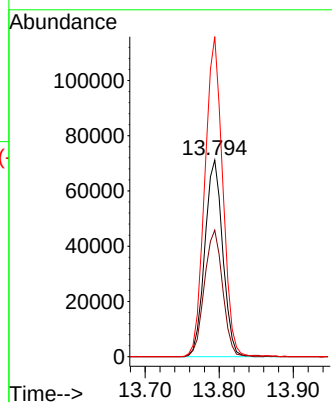
Tgt Ion:152 Resp: 119930

Ion Ratio Lower Upper

152 100

115 65.3 30.6 91.6

150 161.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 29.251 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083240.D

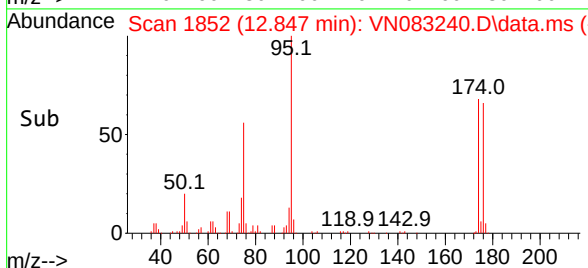
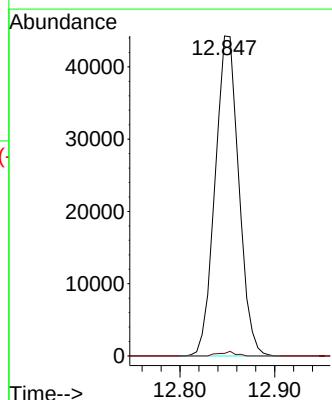
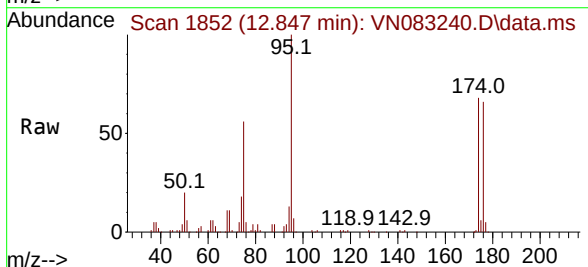
Acq: 12 Aug 2024 16:12

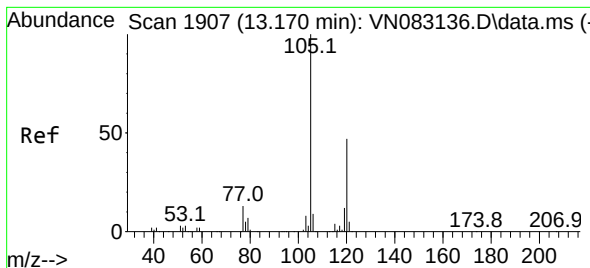
Tgt Ion: 75 Resp: 76994

Ion Ratio Lower Upper

75 100

77 0.9 110.9 332.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.320 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

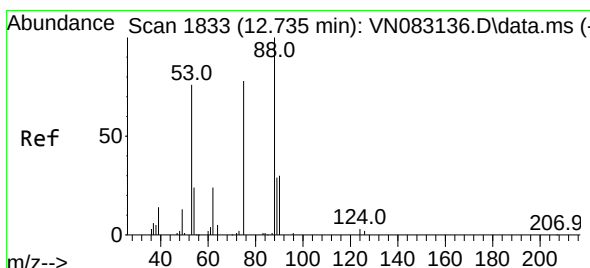
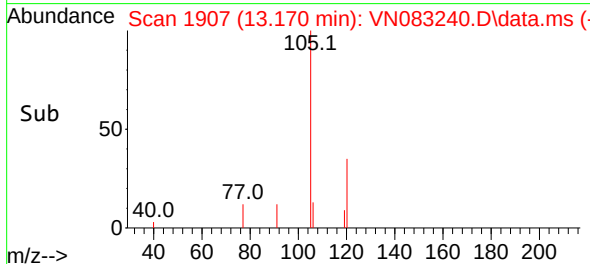
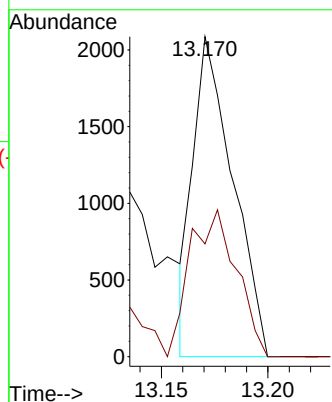
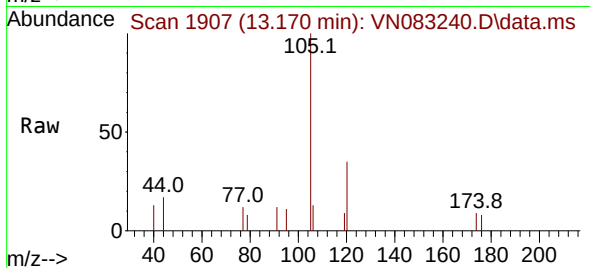
ClientSampleId :

Tgt Ion:105 Resp: 2690

Ion Ratio Lower Upper

105 100

120 54.2 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 63.628 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

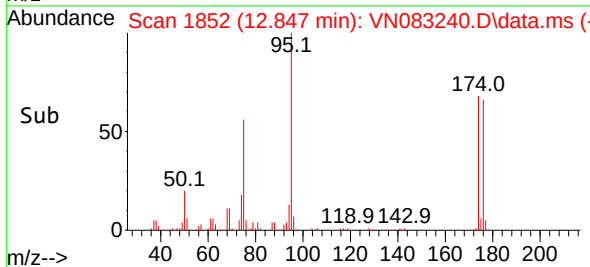
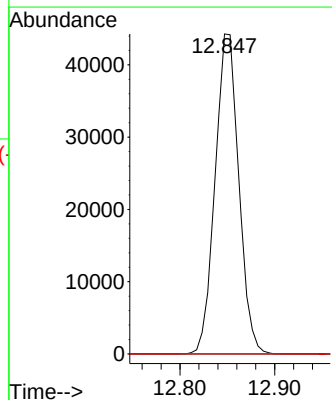
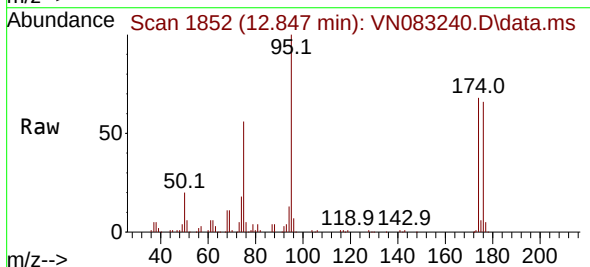
Tgt Ion: 75 Resp: 76994

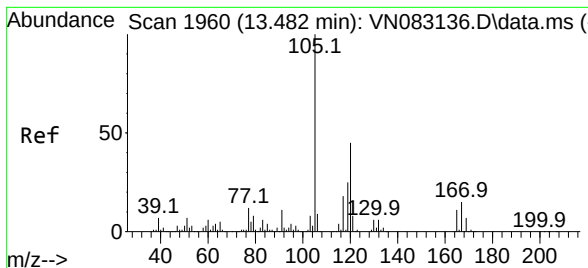
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#





#84

1,2,4-Trimethylbenzene

Concen: 1.040 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

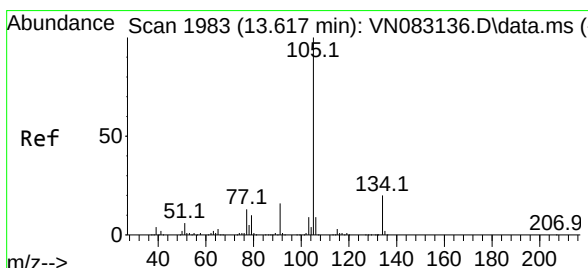
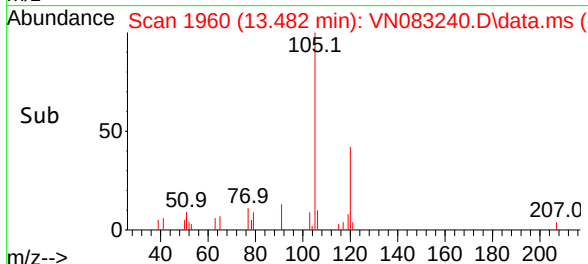
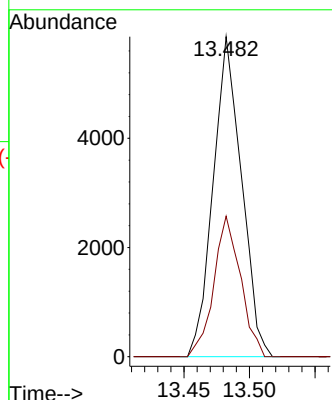
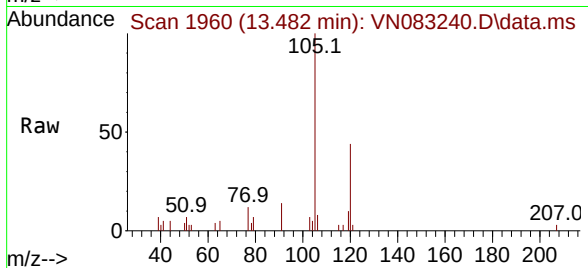
ClientSampleId :

Tgt Ion:105 Resp: 8802

Ion Ratio Lower Upper

105 100

120 41.5 21.9 65.8



#85

sec-Butylbenzene

Concen: 0.867 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN083240.D

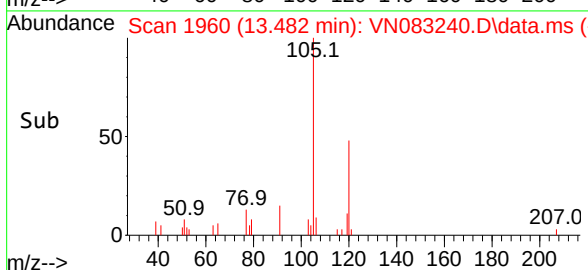
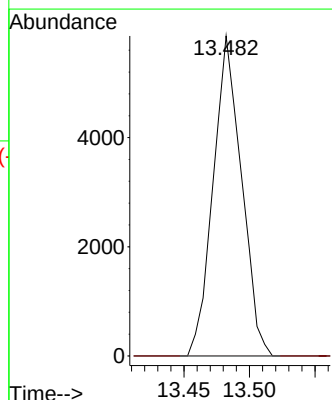
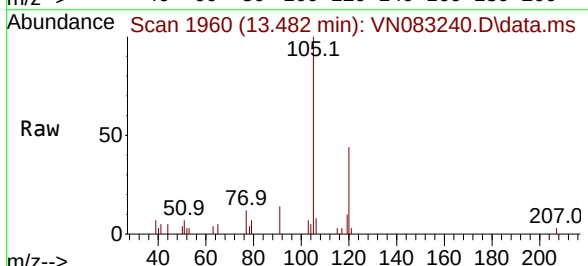
Acq: 12 Aug 2024 16:12

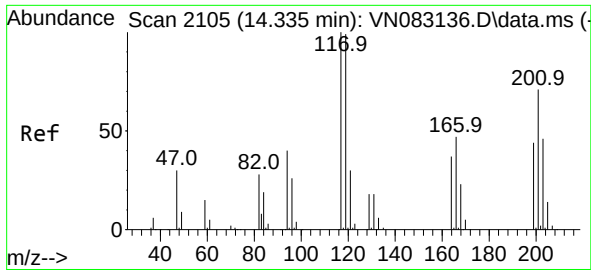
Tgt Ion:105 Resp: 8802

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.3#





#90

Hexachloroethane

Concen: 0.287 ug/l

RT: 14.400 min Scan# 21

Delta R.T. 0.065 min

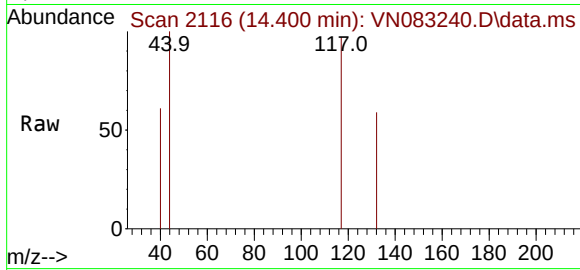
Lab File: VN083240.D

Acq: 12 Aug 2024 16:12

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:117 Resp: 464

Ion Ratio Lower Upper

117 100

201 0.0 35.8 107.3#

