

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083916.D
 Acq On : 16 Sep 2024 14:39
 Operator : JC\MD
 Sample : P3957-13DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:32:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

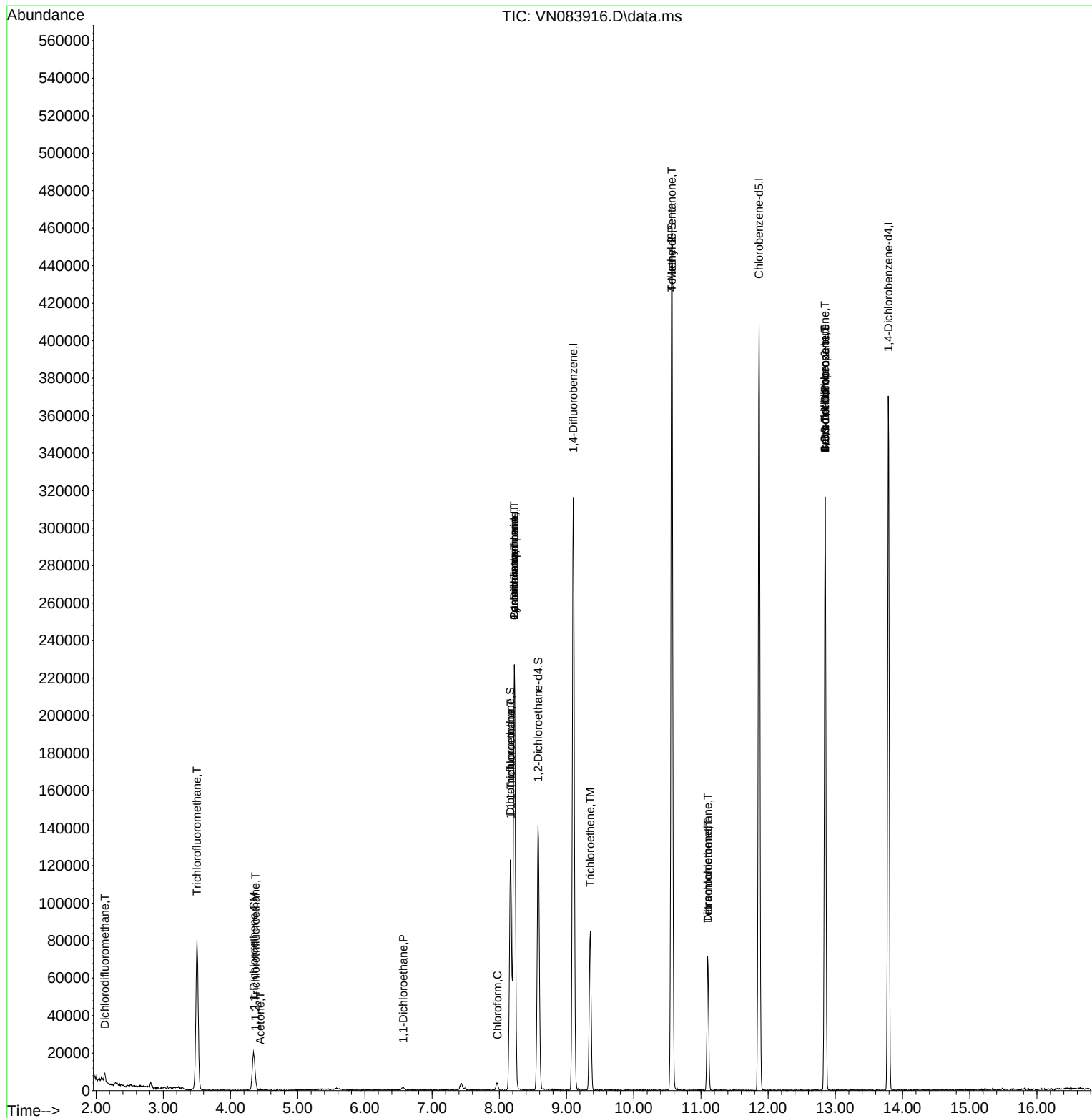
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118200	51.326	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.660%	
35) Dibromofluoromethane	8.165	113	85403	51.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.040%	
50) Toluene-d8	10.565	98	312596	54.020	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.040%	
62) 4-Bromofluorobenzene	12.847	95	105248	44.084	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 88.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	3474	1.959	ug/l	97
3) Chloromethane	2.354	50	339	Below Cal	#	41
7) Trichlorofluoromethane	3.501	101	84875	25.719	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	716	0.409	ug/l #	45
12) 1,1-Dichloroethene	4.348	96	11391	6.896	ug/l	97
16) Acetone	4.442	43	440	0.477	ug/l #	45
24) 1,1-Dichloroethane	6.571	63	2732	0.783	ug/l #	82
30) Chloroform	7.971	83	3912	1.056	ug/l #	82
31) Cyclohexane	8.224	56	4442	1.335	ug/l #	45
32) 1,1,1-Trichloroethane	8.171	97	2813	0.825	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	14892	5.911	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18452	6.456	ug/l #	15
44) Trichloroethene	9.353	130	28170	16.042	ug/l	94
51) 4-Methyl-2-Pentanone	10.565	43	1576	0.699	ug/l #	1
60) Dibromochloromethane	11.106	129	14716	7.594	ug/l #	10
64) Tetrachloroethene	11.106	164	15285	10.442	ug/l	94
71) Bromoform	12.847	173	848	0.742	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59881	32.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59881	85.774	ug/l #	9

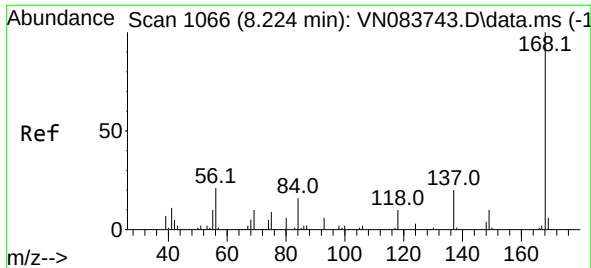
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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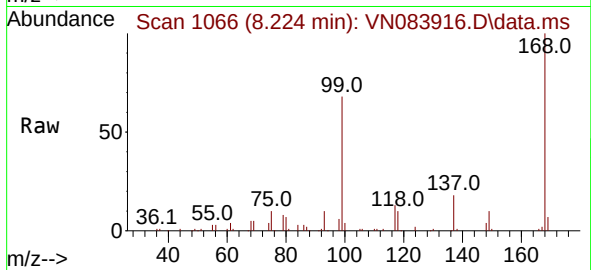
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



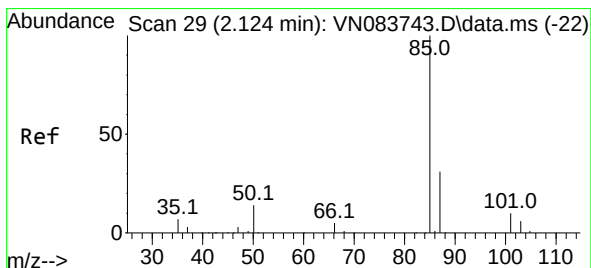
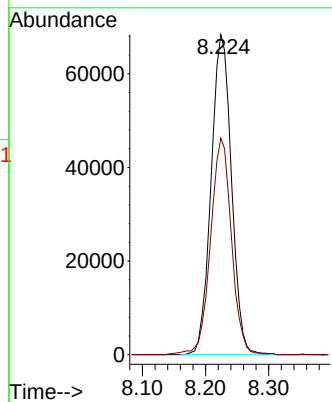
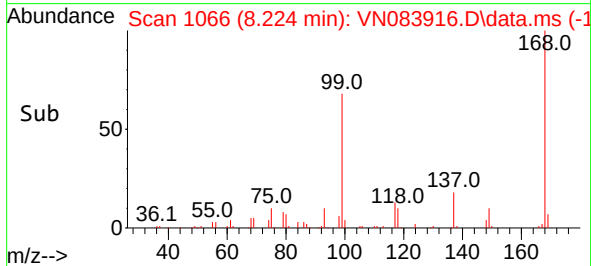


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

Instrument :
MSVOA_N
ClientSampleId :

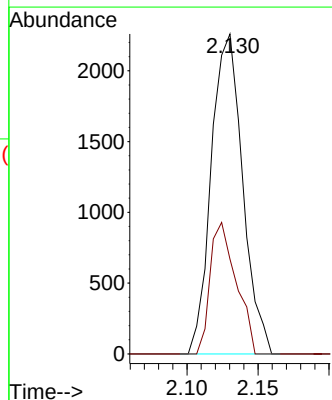
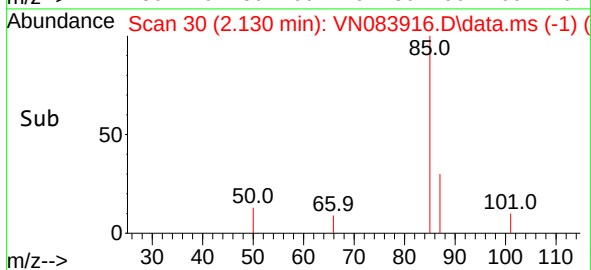
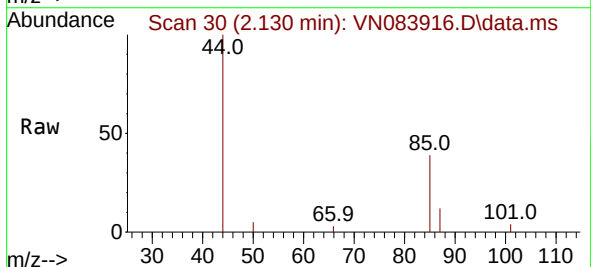


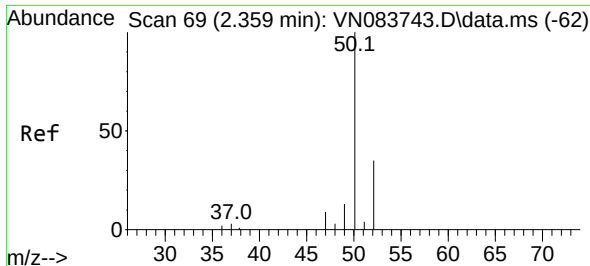
Tgt Ion:168 Resp: 152729
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 1.959 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

Tgt Ion: 85 Resp: 3474
Ion Ratio Lower Upper
85 100
87 29.6 15.7 47.0

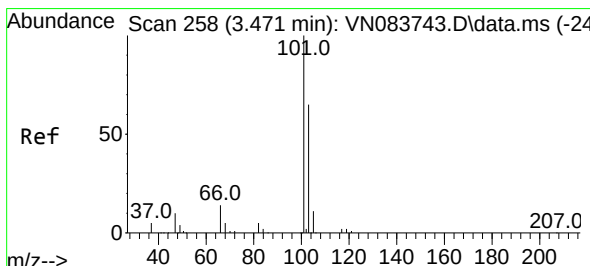
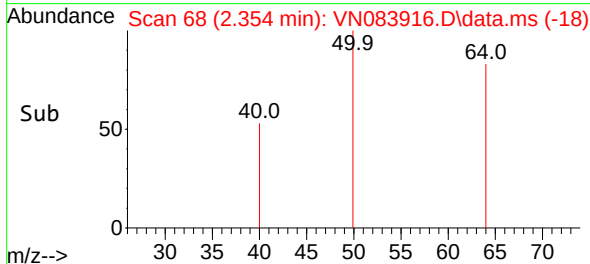
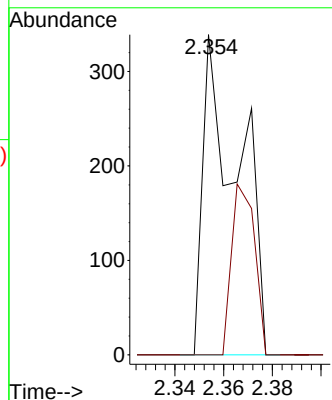
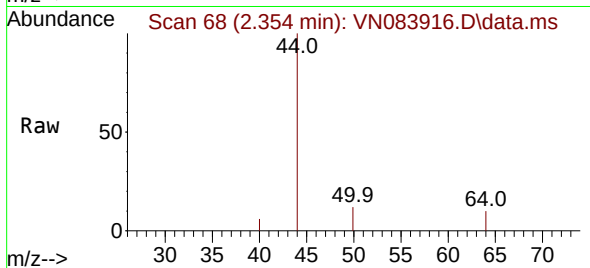




#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

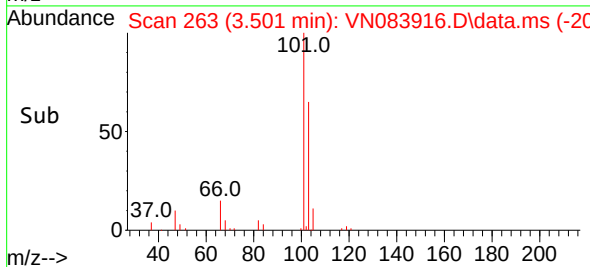
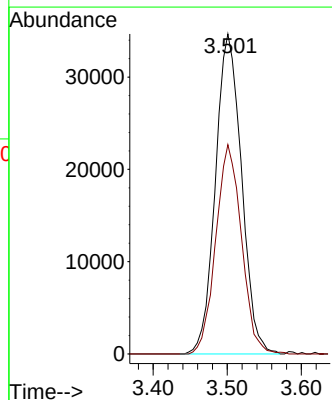
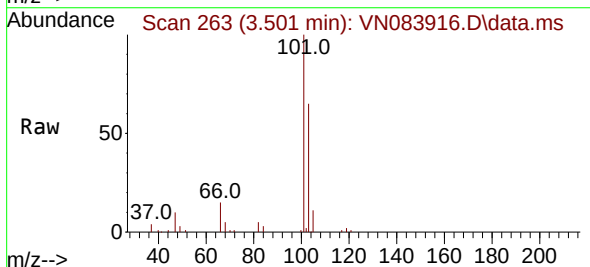
Instrument :
MSVOA_N
ClientSampleId :

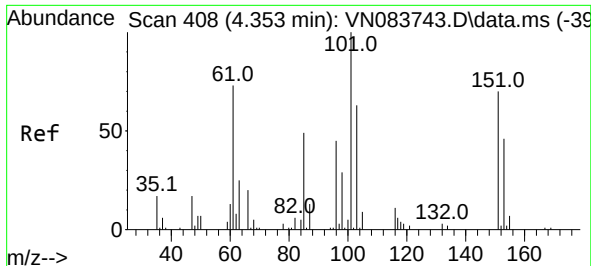
Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#7
Trichlorofluoromethane
Concen: 25.719 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.030 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

Tgt Ion:101 Resp: 84875
Ion Ratio Lower Upper
101 100
103 65.4 51.4 77.0

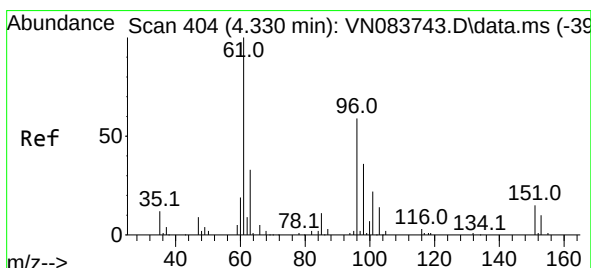
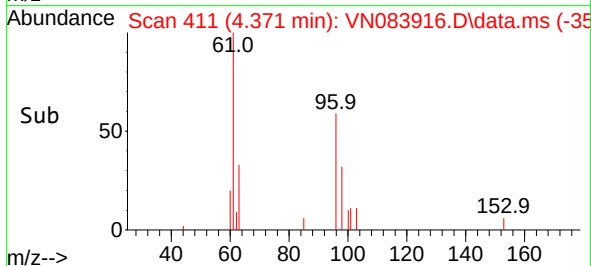
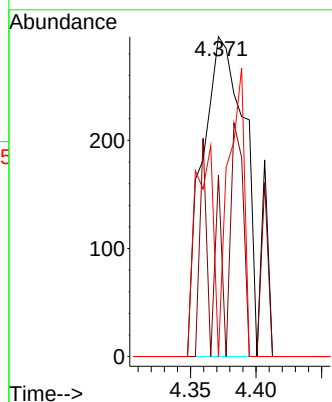
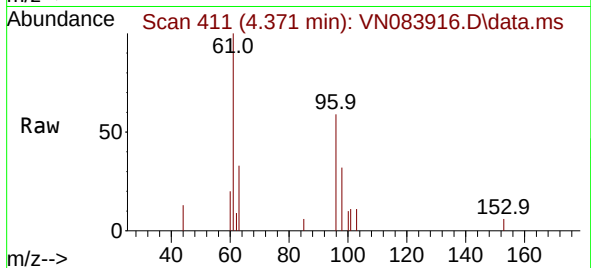




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.409 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.018 min
 Lab File: VN083916.D
 Acq: 16 Sep 2024 14:39

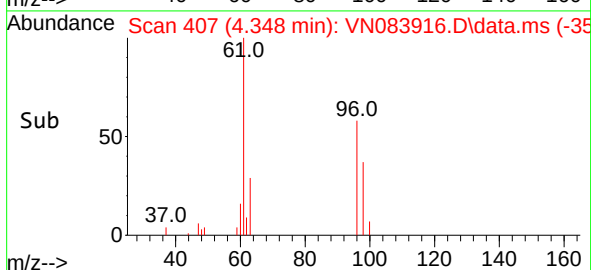
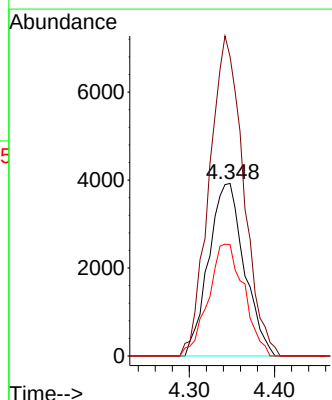
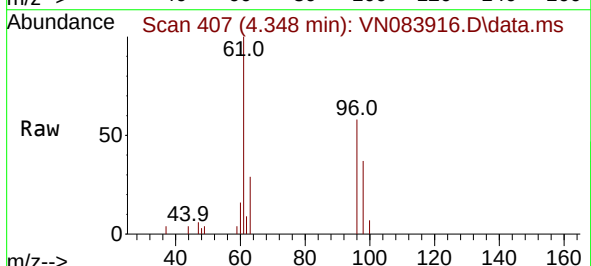
Instrument :
 MSVOA_N
 ClientSampleId :

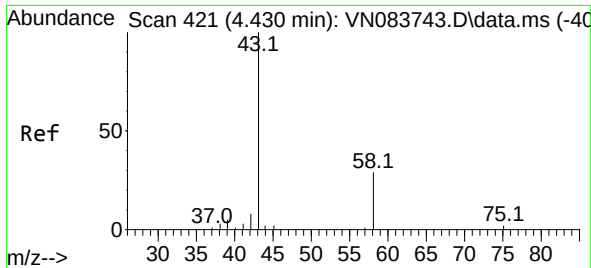
Tgt Ion:101 Resp: 716
 Ion Ratio Lower Upper
 101 100
 85 9.9 36.2 54.4#
 151 25.7 57.7 86.5#



#12
 1,1-Dichloroethene
 Concen: 6.896 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN083916.D
 Acq: 16 Sep 2024 14:39

Tgt Ion: 96 Resp: 11391
 Ion Ratio Lower Upper
 96 100
 61 173.4 143.4 215.0
 98 64.5 52.7 79.1





#16

Acetone

Concen: 0.477 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

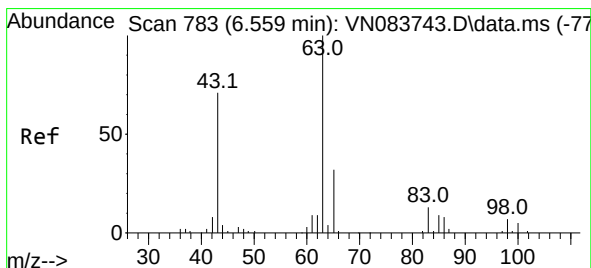
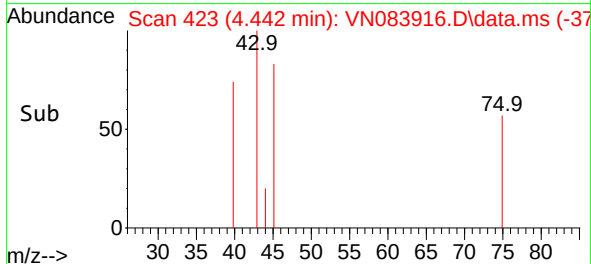
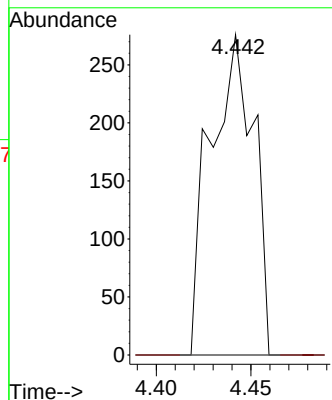
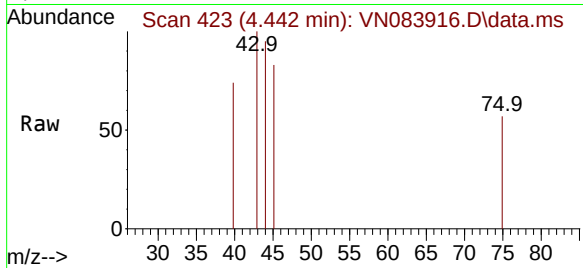
ClientSampleId :

Tgt Ion: 43 Resp: 440

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#24

1,1-Dichloroethane

Concen: 0.783 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.012 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

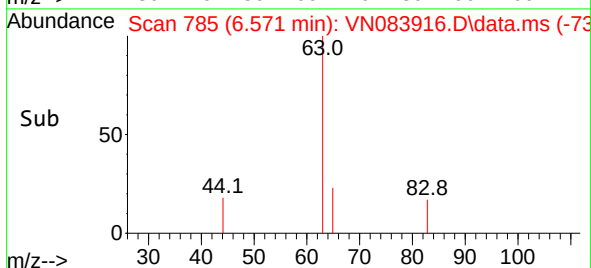
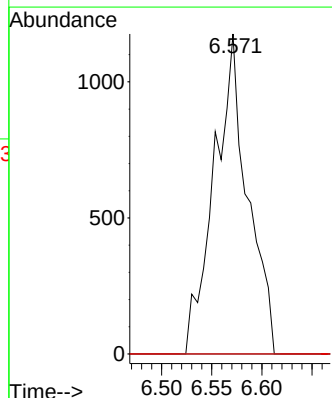
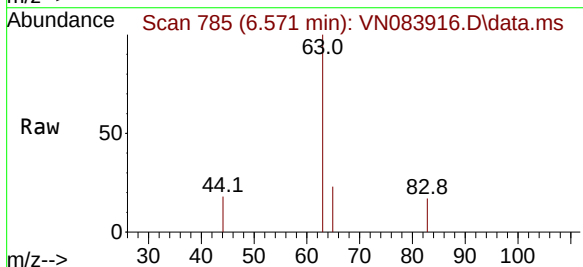
Tgt Ion: 63 Resp: 2732

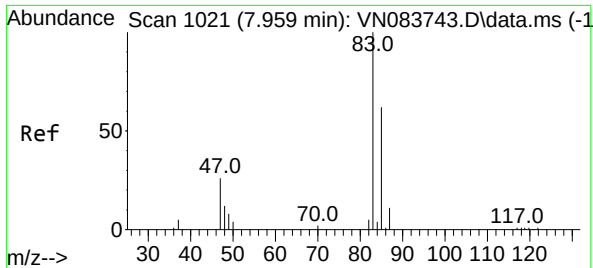
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#





#30

Chloroform

Concen: 1.056 ug/l

RT: 7.971 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

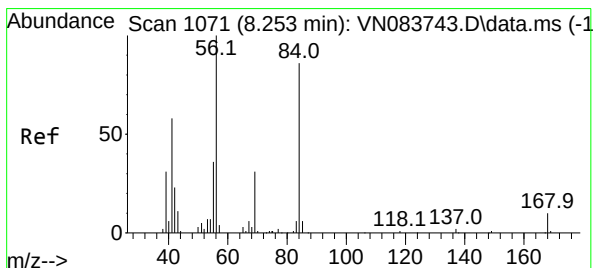
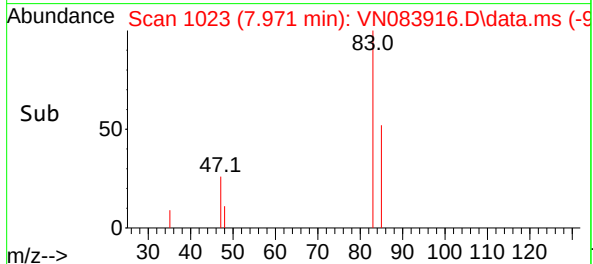
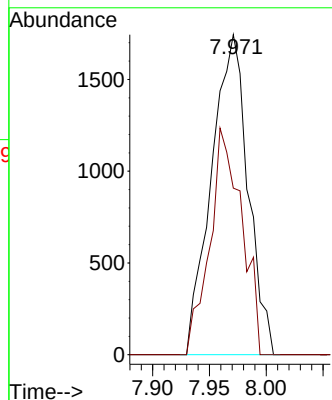
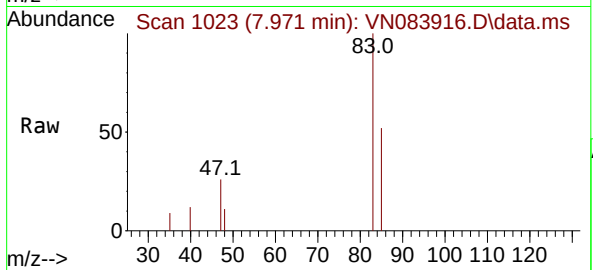
ClientSampleId :

Tgt Ion: 83 Resp: 3912

Ion Ratio Lower Upper

83 100

85 52.1 52.8 79.2#



#31

Cyclohexane

Concen: 1.335 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

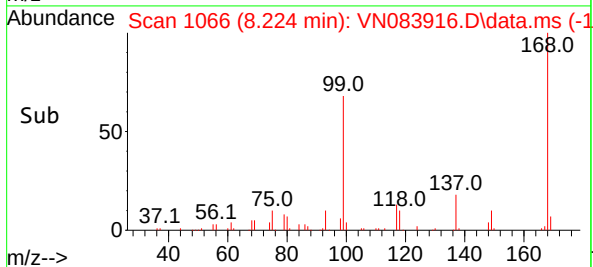
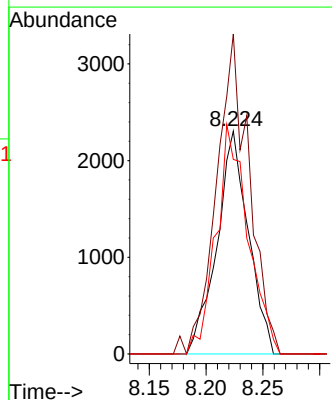
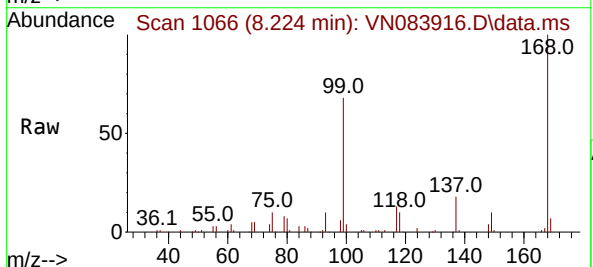
Tgt Ion: 56 Resp: 4442

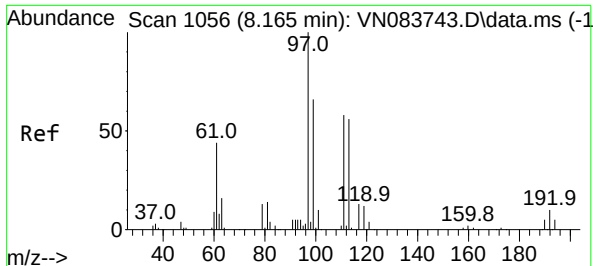
Ion Ratio Lower Upper

56 100

69 143.6 26.9 40.3#

84 87.3 69.2 103.8





#32

1,1,1-Trichloroethane

Concen: 0.825 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

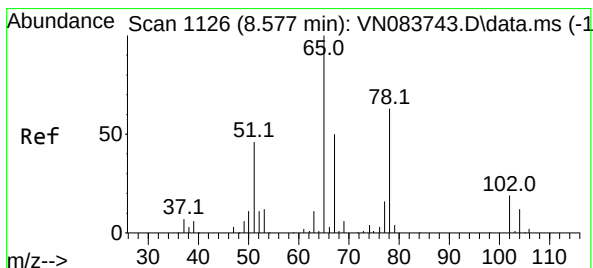
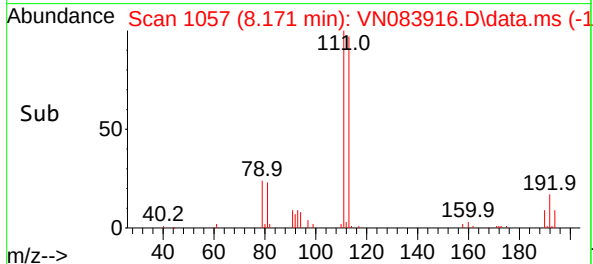
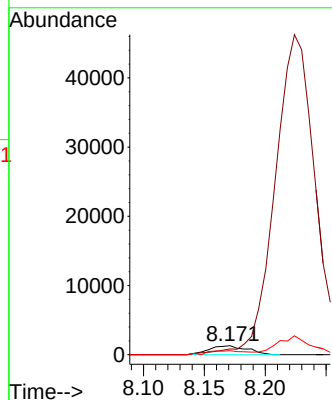
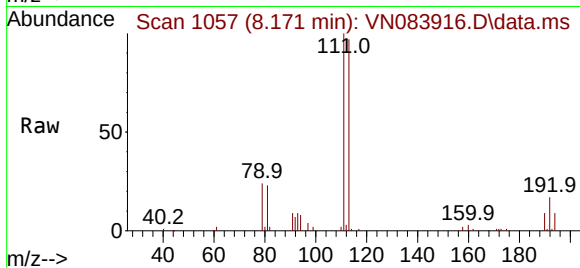
Tgt Ion: 97 Resp: 2813

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 43.8 38.2 57.2



#33

1,2-Dichloroethane-d4

Concen: 51.326 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083916.D

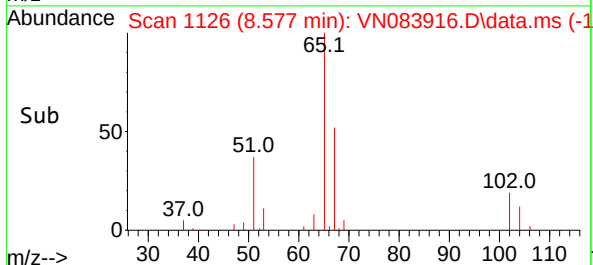
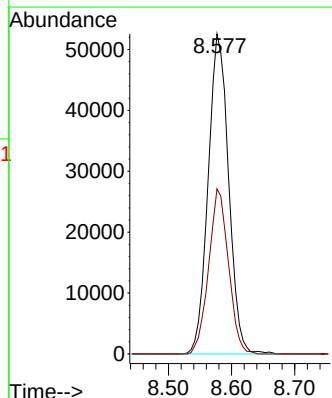
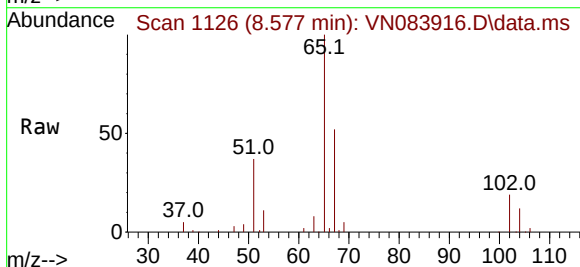
Acq: 16 Sep 2024 14:39

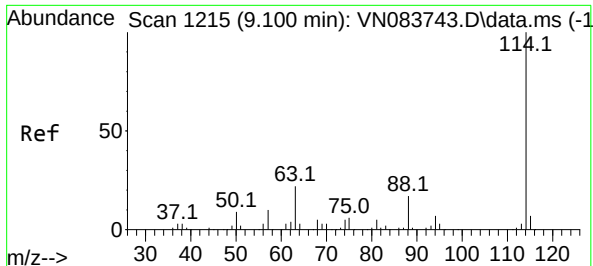
Tgt Ion: 65 Resp: 118200

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

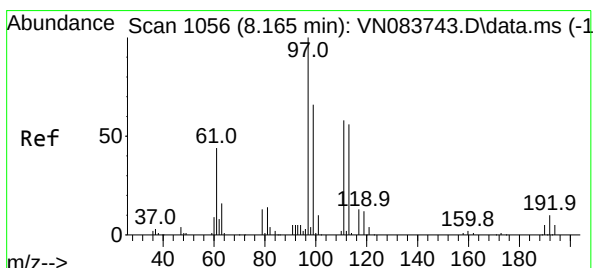
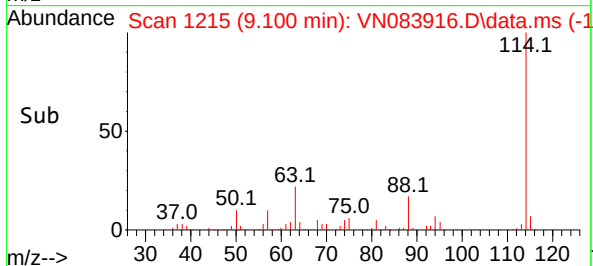
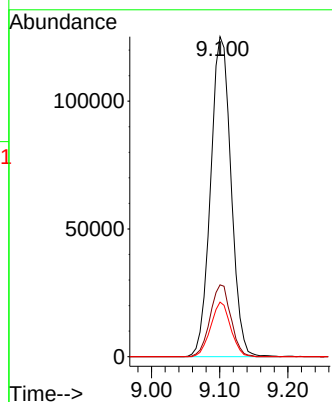
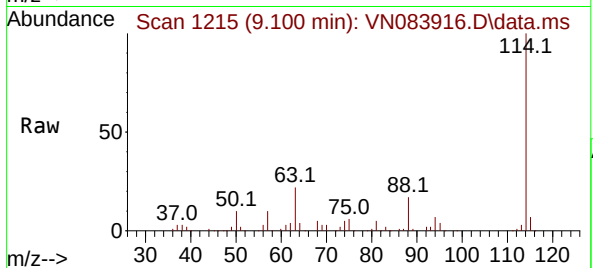
Tgt Ion:114 Resp: 261468

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 17.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.021 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

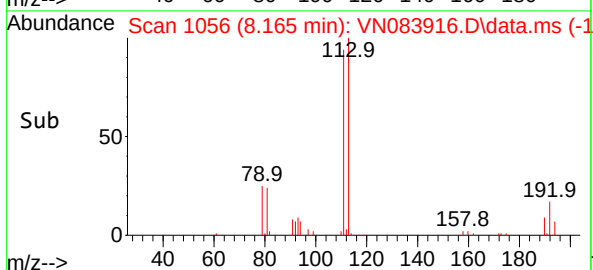
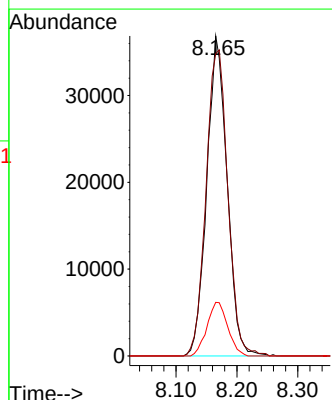
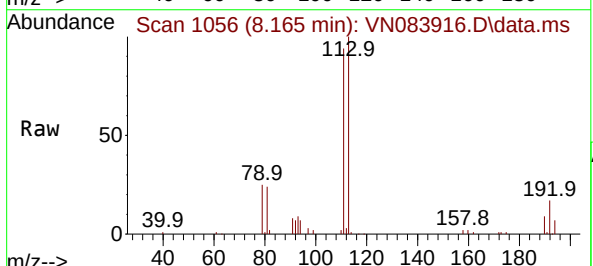
Tgt Ion:113 Resp: 85403

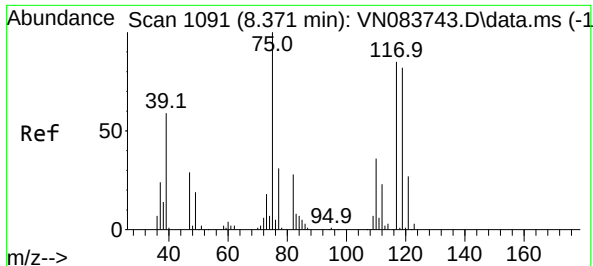
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.911 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

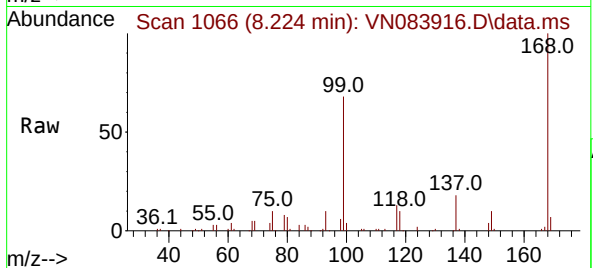
Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

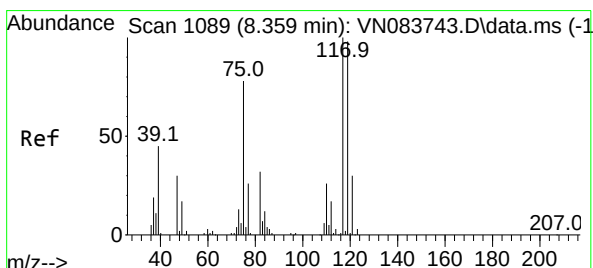
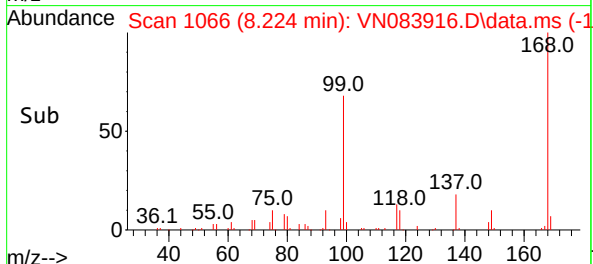
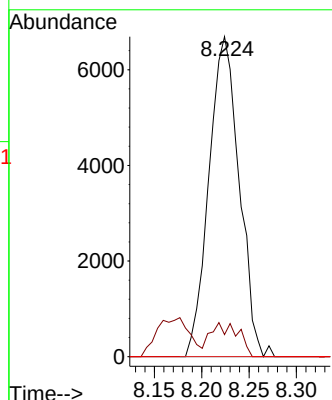
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14892
Ion Ratio	Lower	Upper	
75	100		
110	9.7	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 6.456 ug/l

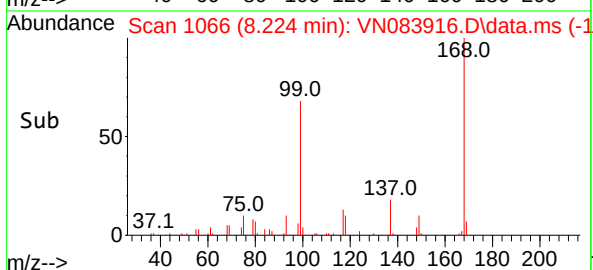
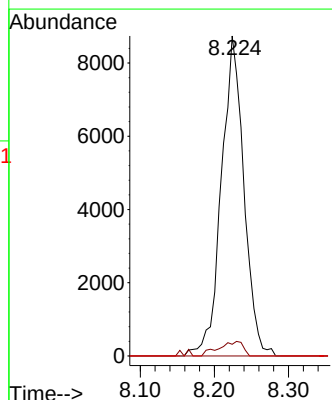
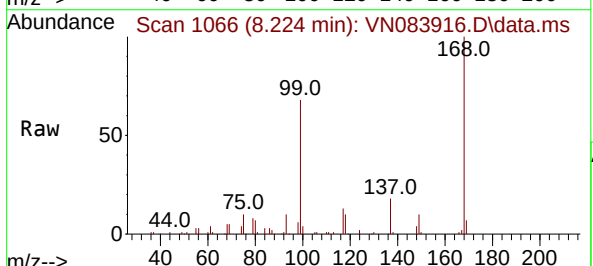
RT: 8.224 min Scan# 1066

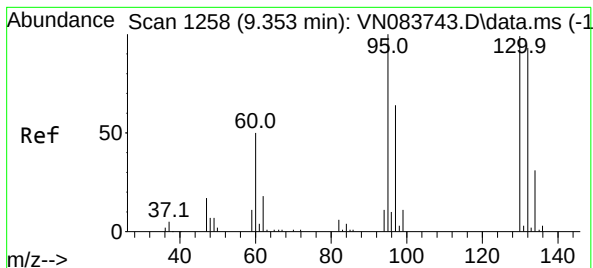
Delta R.T. -0.135 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Tgt Ion:	117	Resp:	18452
Ion Ratio	Lower	Upper	
117	100		
119	3.7	76.1	114.1#
121	0.0	24.1	36.1#





#44

Trichloroethene

Concen: 16.042 ug/l

RT: 9.353 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

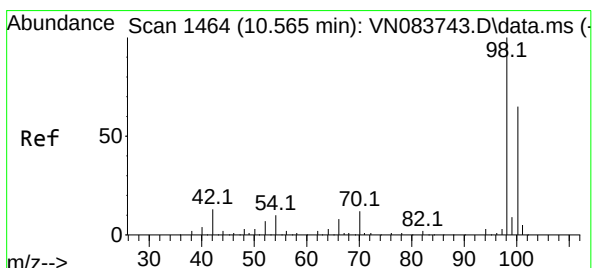
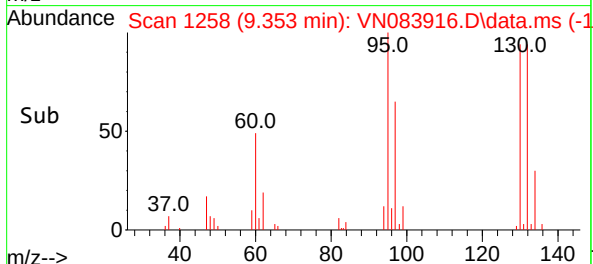
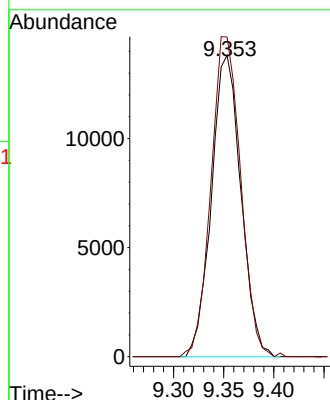
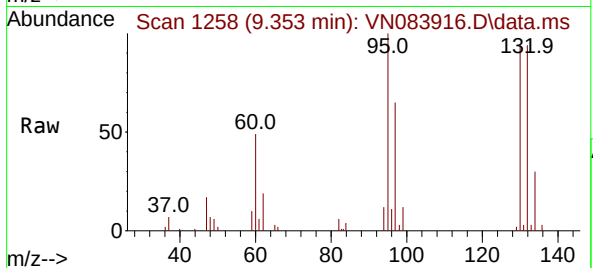
ClientSampleId :

Tgt Ion:130 Resp: 28170

Ion Ratio Lower Upper

130 100

95 106.0 0.0 200.4



#50

Toluene-d8

Concen: 54.020 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083916.D

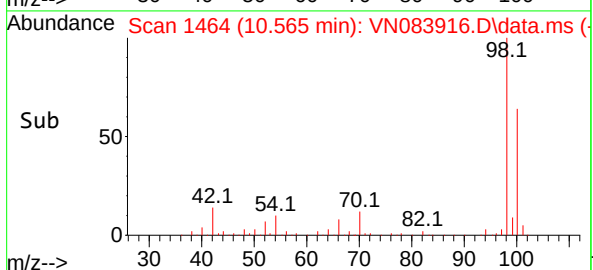
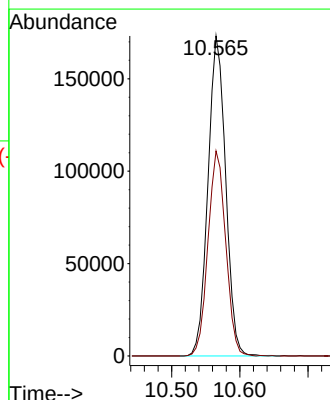
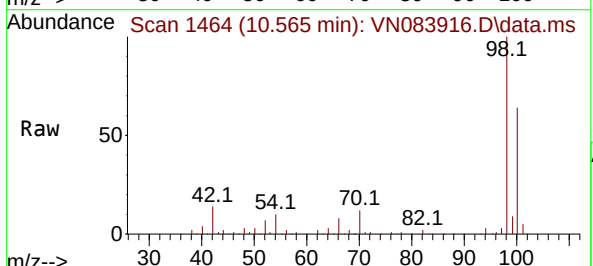
Acq: 16 Sep 2024 14:39

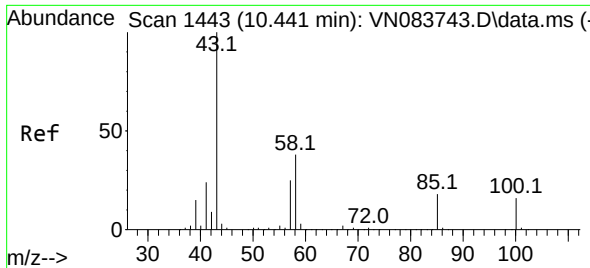
Tgt Ion: 98 Resp: 312596

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

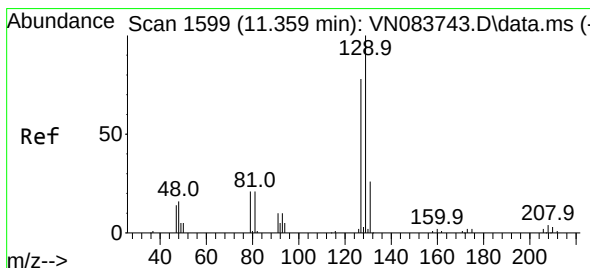
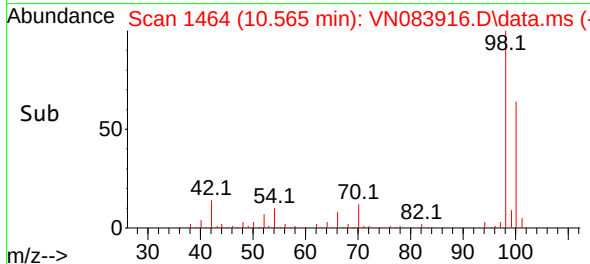
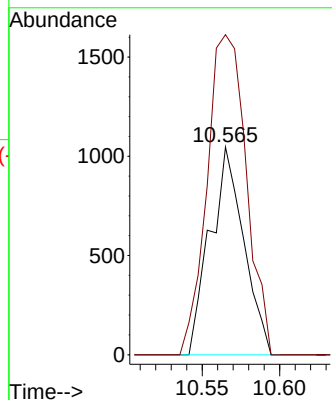
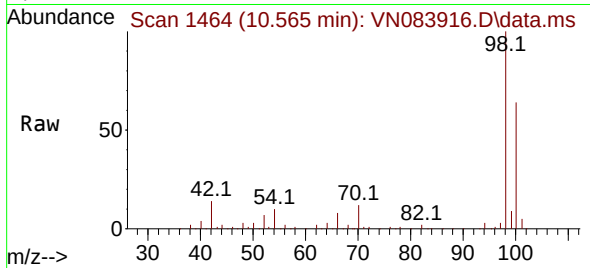




#51
4-Methyl-2-Pentanone
Concen: 0.699 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.124 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

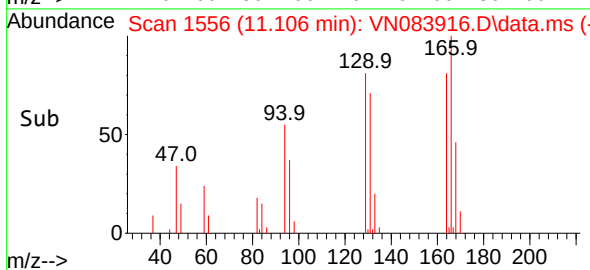
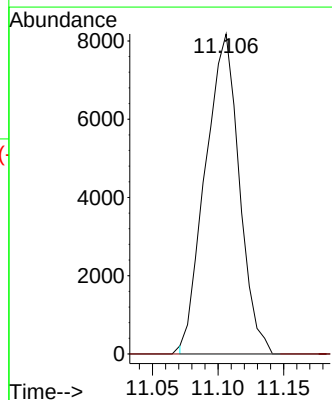
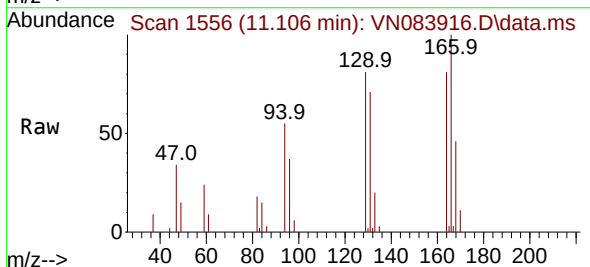
Instrument :
MSVOA_N
ClientSampleId :

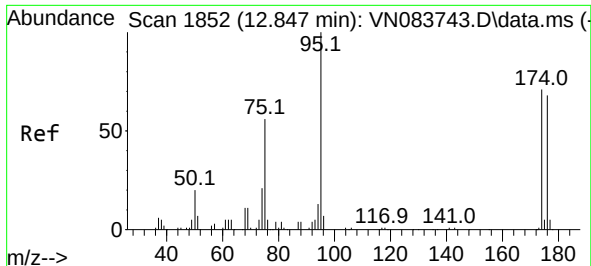
Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 180.4 31.6 47.4#



#60
Dibromochloromethane
Concen: 7.594 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN083916.D
Acq: 16 Sep 2024 14:39

Tgt Ion: 129 Resp: 14716
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 44.084 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

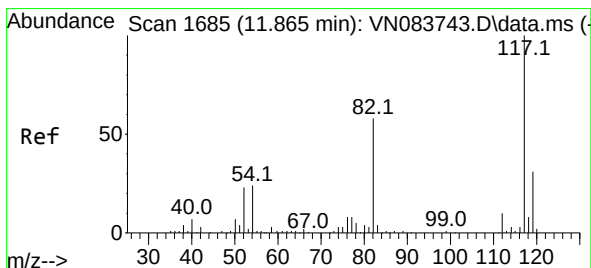
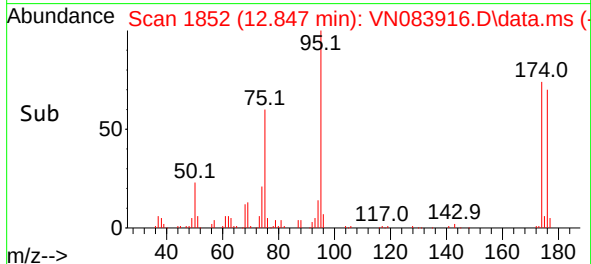
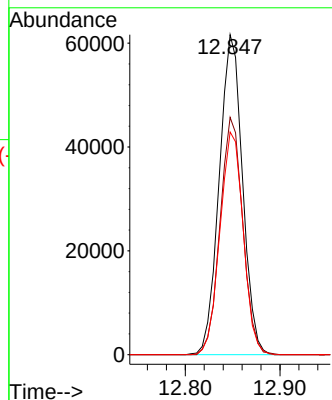
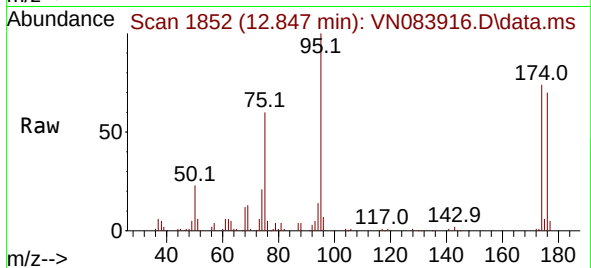
Tgt Ion: 95 Resp: 105248

Ion Ratio Lower Upper

95 100

174 72.5 0.0 139.8

176 69.5 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

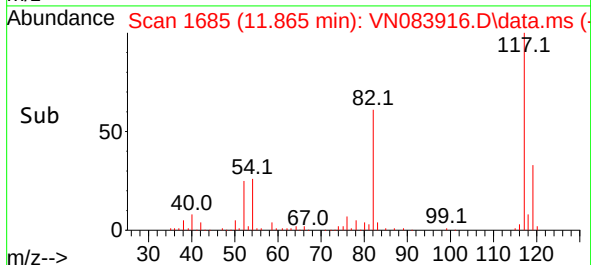
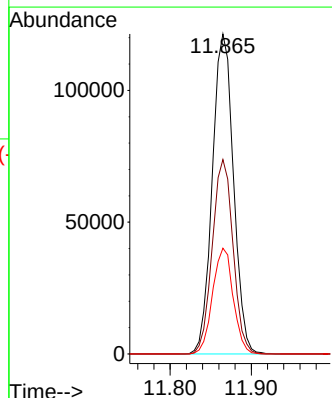
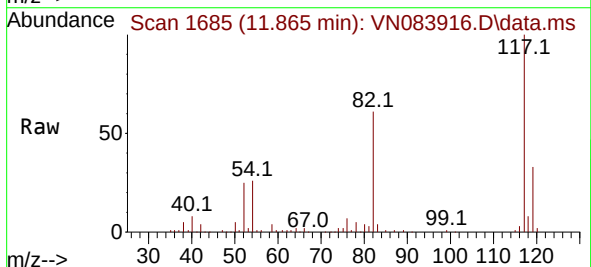
Tgt Ion: 117 Resp: 220107

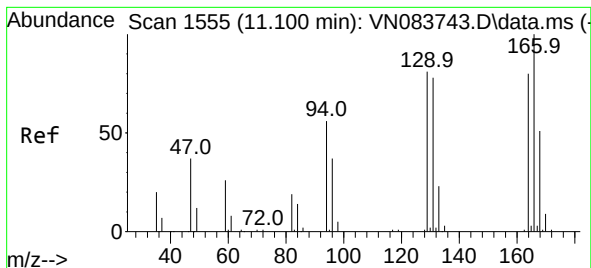
Ion Ratio Lower Upper

117 100

82 60.8 47.4 71.0

119 33.1 26.3 39.5





#64

Tetrachloroethene

Concen: 10.442 ug/l

RT: 11.106 min Scan# 11

Delta R.T. 0.006 min

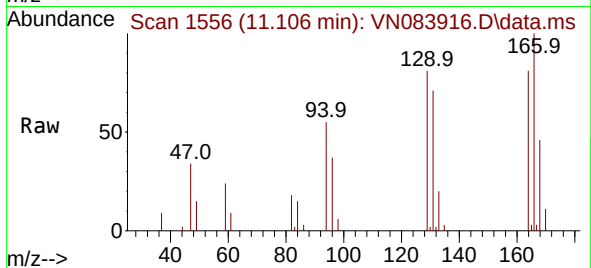
Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 15285

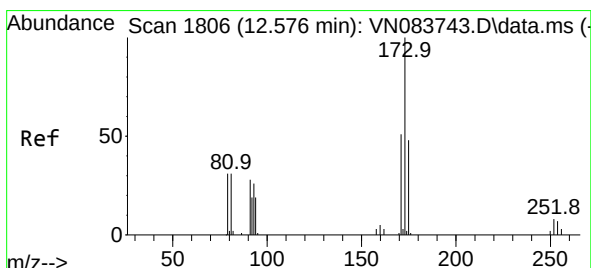
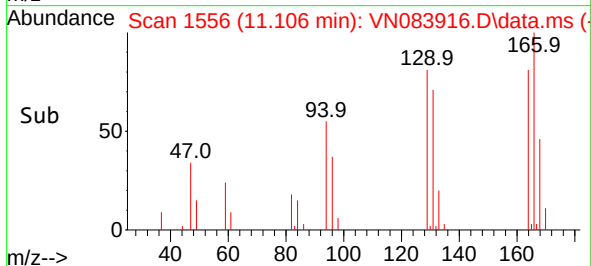
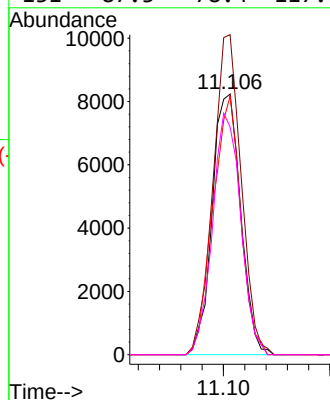
Ion Ratio Lower Upper

164 100

166 122.7 103.7 155.5

129 99.3 79.9 119.9

131 87.3 78.4 117.6



#71

Bromoform

Concen: 0.742 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

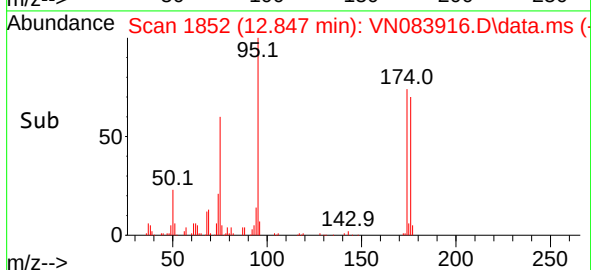
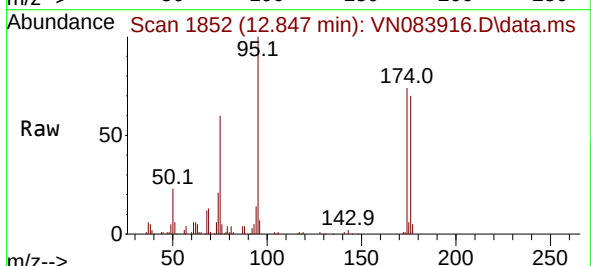
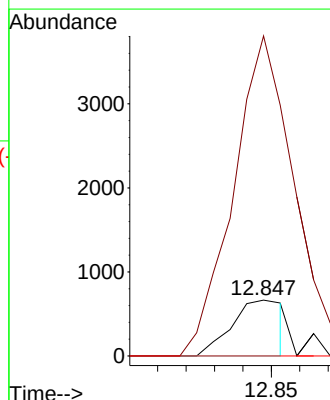
Tgt Ion:173 Resp: 848

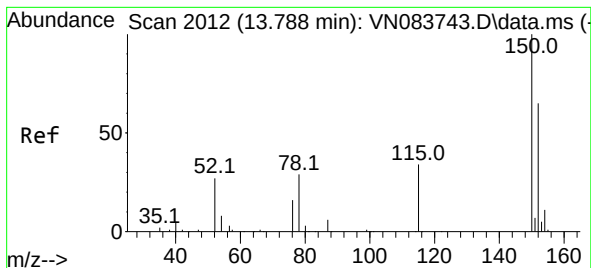
Ion Ratio Lower Upper

173 100

175 530.7 24.1 72.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083916.D

Acq: 16 Sep 2024 14:39

Instrument :

MSVOA_N

ClientSampleId :

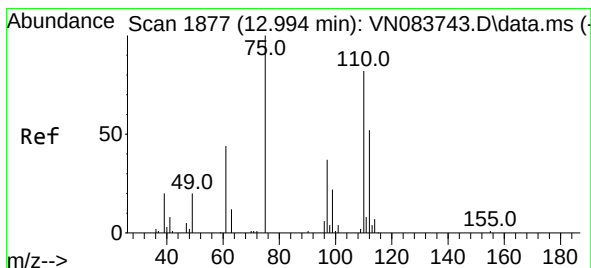
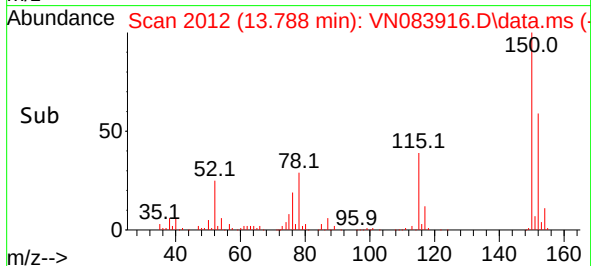
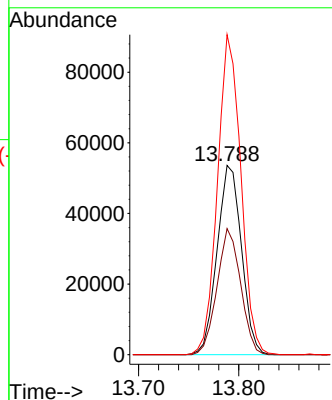
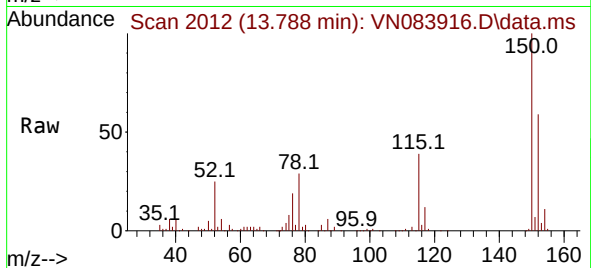
Tgt Ion:152 Resp: 90616

Ion Ratio Lower Upper

152 100

115 64.3 32.2 96.6

150 162.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 32.750 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083916.D

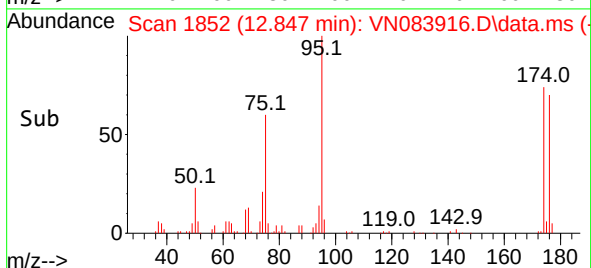
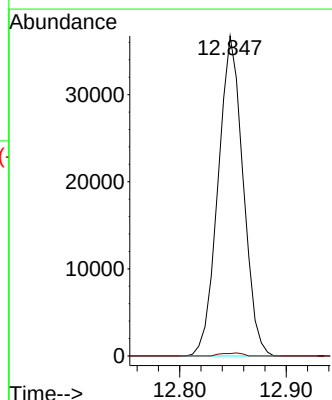
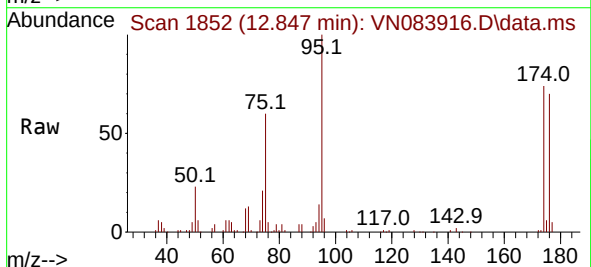
Acq: 16 Sep 2024 14:39

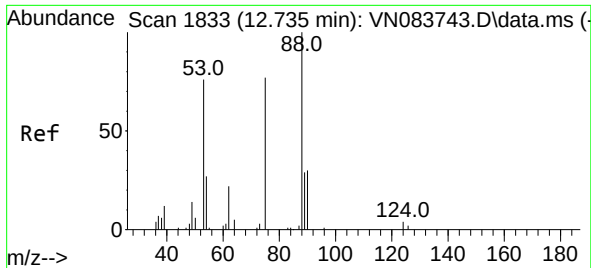
Tgt Ion: 75 Resp: 59881

Ion Ratio Lower Upper

75 100

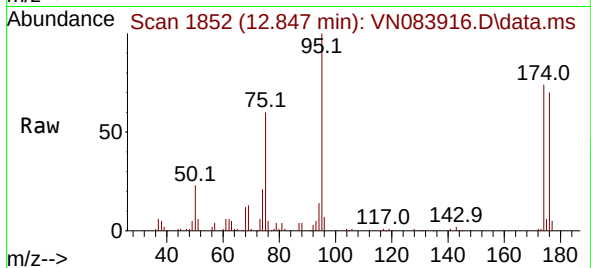
77 0.8 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.774 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083916.D
 Acq: 16 Sep 2024 14:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 59881
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

