

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
 Data File : VN083467.D
 Acq On : 23 Aug 2024 17:56
 Operator : JC\MD
 Sample : P3716-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 00:05:49 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)

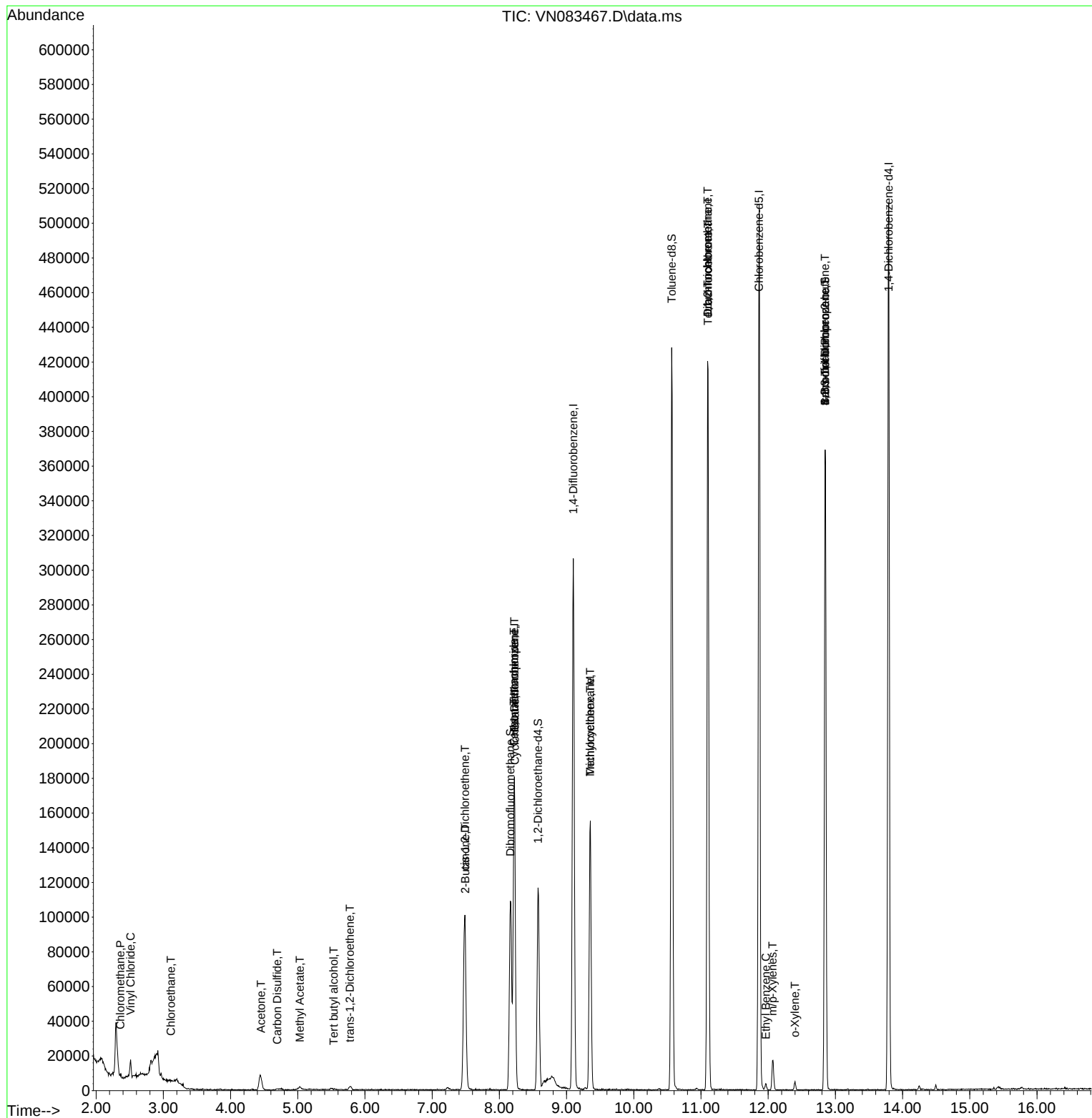
Internal Standards						
1) Pentafluorobenzene	8.224	168	121554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	101023	58.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.780%			
35) Dibromofluoromethane	8.165	113	79522	50.042	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.080%			
50) Toluene-d8	10.565	98	285805	48.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.420%			
62) 4-Bromofluorobenzene	12.847	95	133108	57.598	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.200%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	698	0.495	ug/l #	43
4) Vinyl Chloride	2.512	62	6566	4.560	ug/l #	88
6) Chloroethane	3.112	64	443	0.492	ug/l #	41
11) Tert butyl alcohol	5.536	59	418	1.163	ug/l #	71
16) Acetone	4.453	43	4430	6.543	ug/l #	74
17) Carbon Disulfide	4.695	76	1464	0.371	ug/l #	75
18) Methyl Acetate	5.030	43	3663	1.816	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	920	0.661	ug/l	83
25) 2-Butanone	7.494	43	759	0.730	ug/l #	1
27) cis-1,2-Dichloroethene	7.489	96	58253	34.664	ug/l	85
31) Cyclohexane	8.230	56	3218	1.255	ug/l #	26
36) 1,1-Dichloropropene	8.224	75	11352	4.722	ug/l #	52
38) Carbon Tetrachloride	8.218	117	14427	5.328	ug/l #	18
39) Methylcyclohexane	9.353	83	712	0.241	ug/l #	6
43) Isopropyl Acetate	8.665	43	4684	Below Cal	#	60
44) Trichloroethene	9.353	130	52924	31.049	ug/l	93
55) 1,1,2-Trichloroethane	11.100	97	960	0.592	ug/l #	53
60) Dibromochloromethane	11.100	129	94608	48.257	ug/l #	10
64) Tetrachloroethene	11.106	164	91880	50.471	ug/l	93
67) Ethyl Benzene	11.965	91	3181	0.285	ug/l #	89
68) m/p-Xylenes	12.065	106	6179	1.480	ug/l	90
69) o-Xylene	12.400	106	1426	0.346	ug/l	91
71) Bromoform	12.847	173	509	0.314	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	74268	25.490	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74268	55.447	ug/l #	6

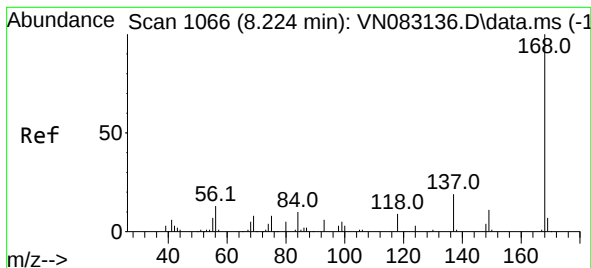
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082324\
Data File : VN083467.D
Acq On : 23 Aug 2024 17:56
Operator : JC\MD
Sample : P3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 24 00:05:49 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

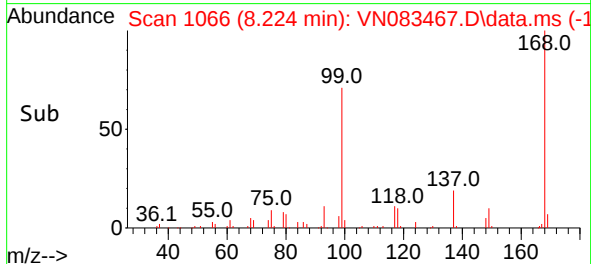
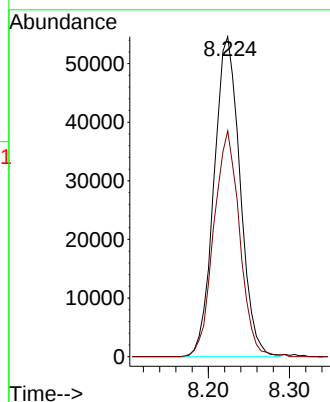
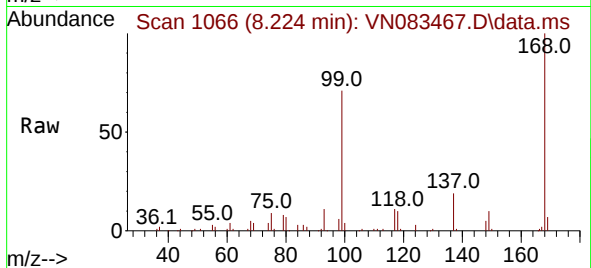




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

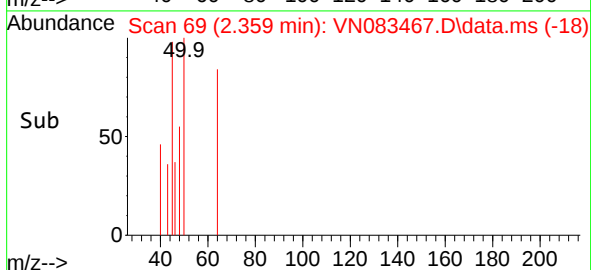
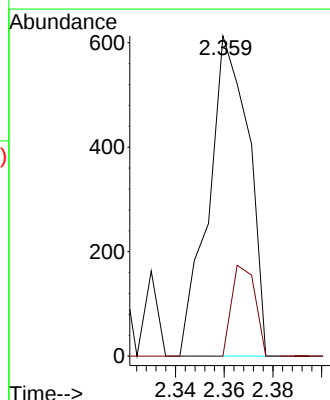
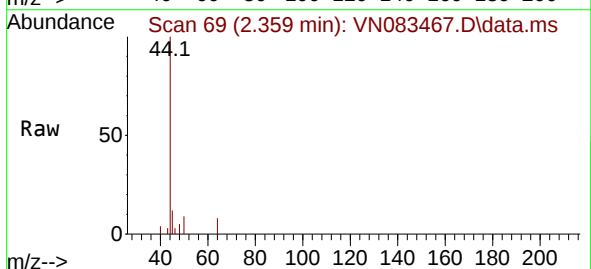
Instrument :
MSVOA_N
ClientSampleId :

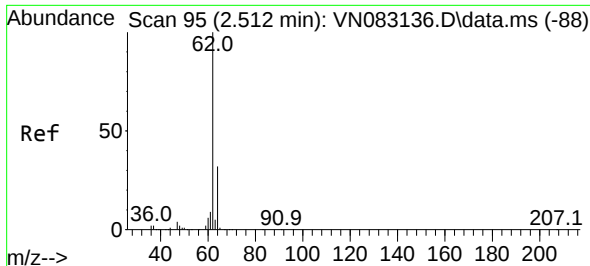
Tgt Ion:168 Resp: 121554
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.4



#3
Chloromethane
Concen: 0.495 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

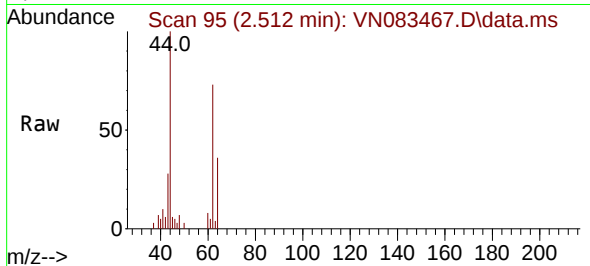
Tgt Ion: 50 Resp: 698
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



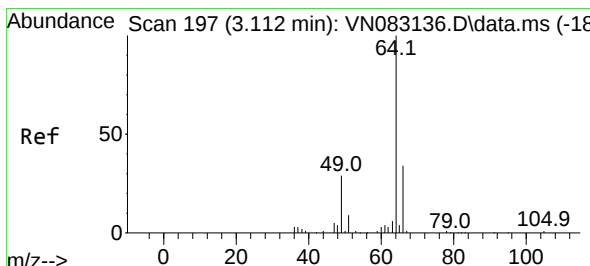
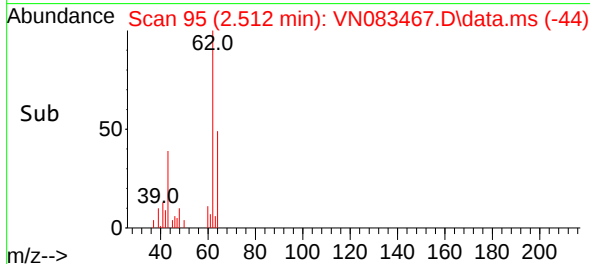
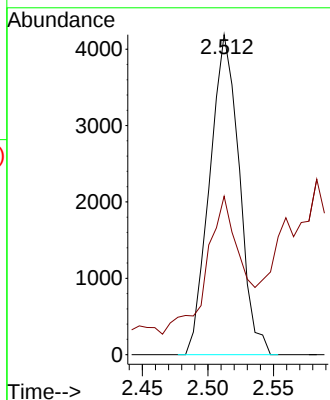


#4
 Vinyl Chloride
 Concen: 4.560 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN083467.D
 Acq: 23 Aug 2024 17:56

Instrument :
 MSVOA_N
 ClientSampleId :

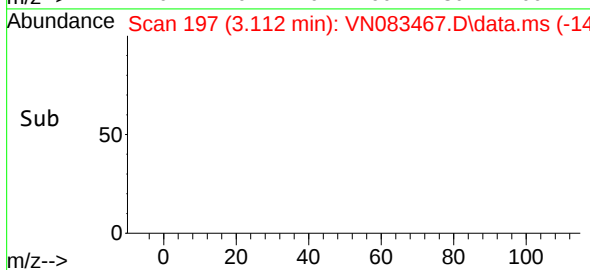
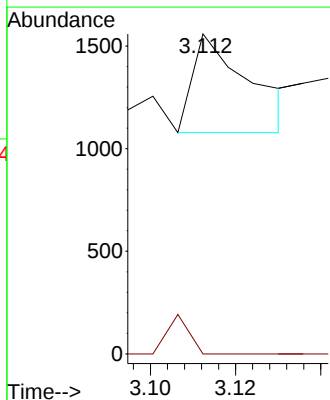
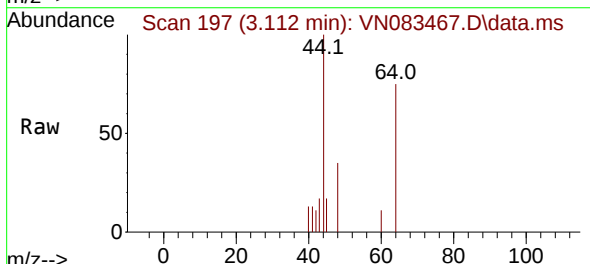


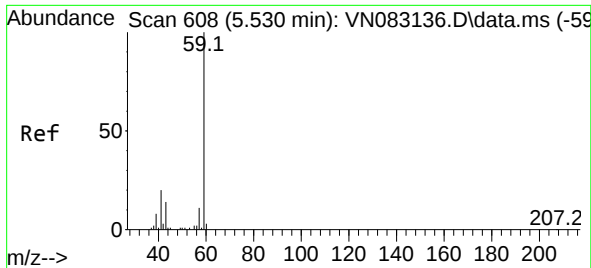
Tgt Ion: 62 Resp: 6566
 Ion Ratio Lower Upper
 62 100
 64 37.8 25.0 37.6#



#6
 Chloroethane
 Concen: 0.492 ug/l
 RT: 3.112 min Scan# 197
 Delta R.T. 0.000 min
 Lab File: VN083467.D
 Acq: 23 Aug 2024 17:56

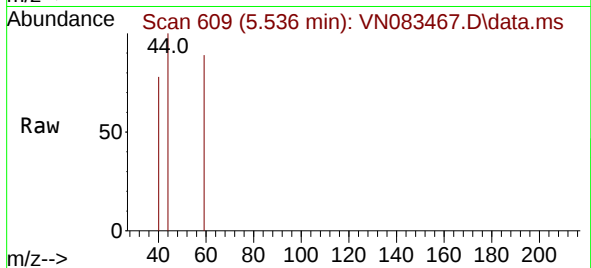
Tgt Ion: 64 Resp: 443
 Ion Ratio Lower Upper
 64 100
 66 0.0 26.6 40.0#



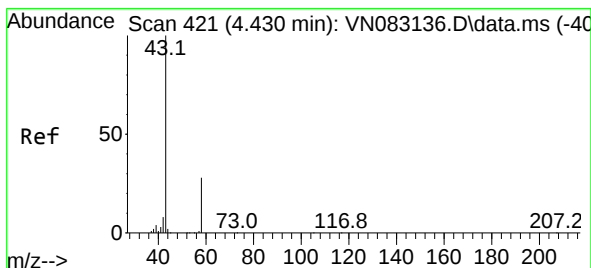
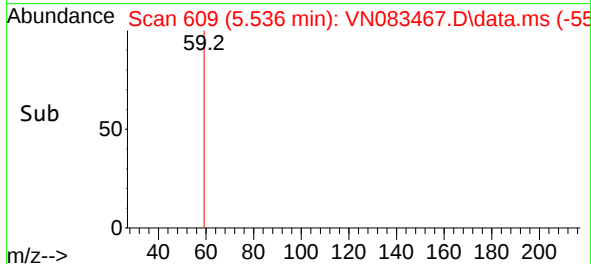
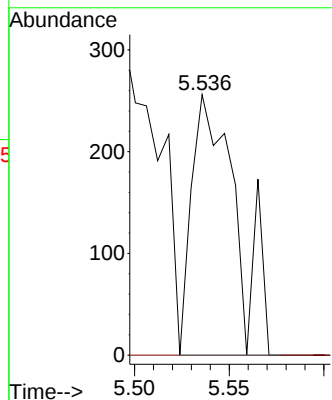


#11
Tert butyl alcohol
Concen: 1.163 ug/l
RT: 5.536 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

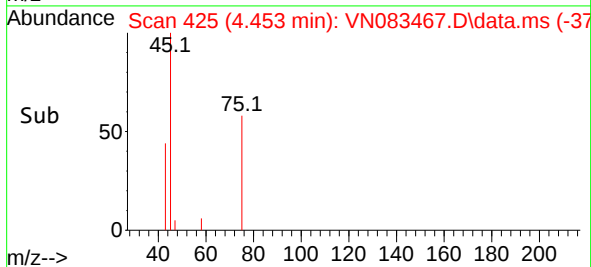
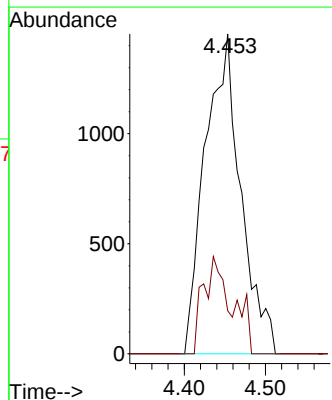
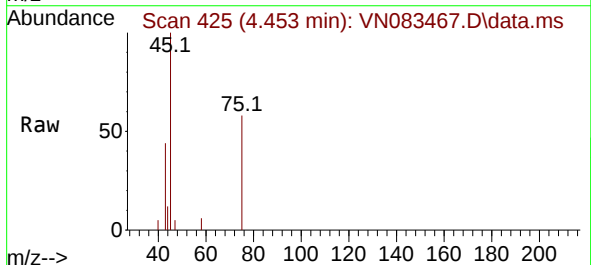


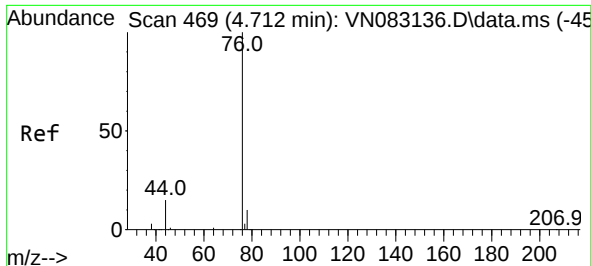
Tgt Ion: 59 Resp: 418
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 6.543 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.024 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

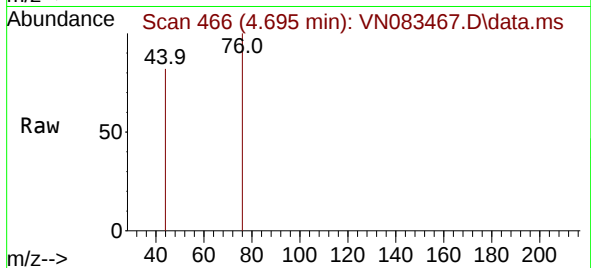
Tgt Ion: 43 Resp: 4430
Ion Ratio Lower Upper
43 100
58 13.5 21.8 32.6#



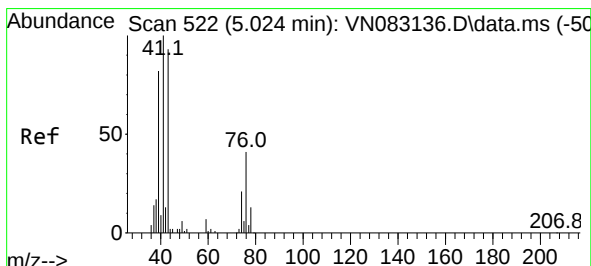
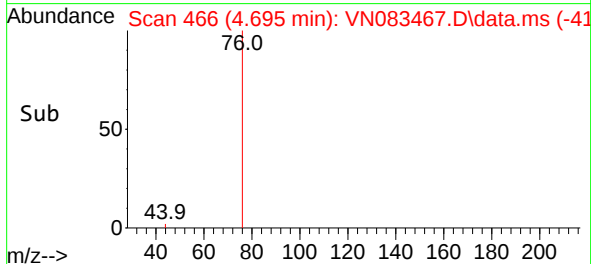
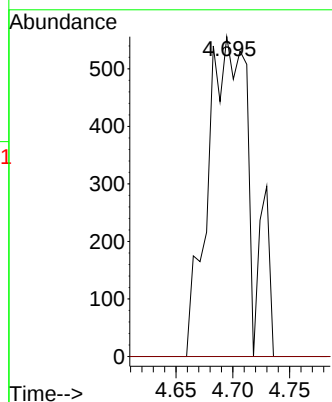


#17
Carbon Disulfide
Concen: 0.371 ug/l
RT: 4.695 min Scan# 41
Delta R.T. -0.018 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

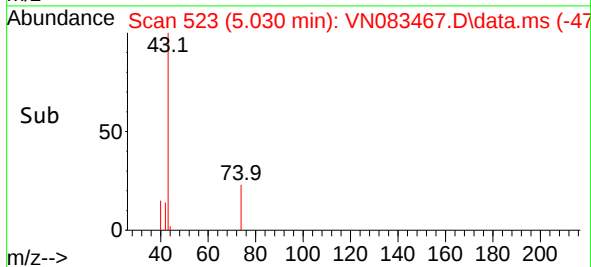
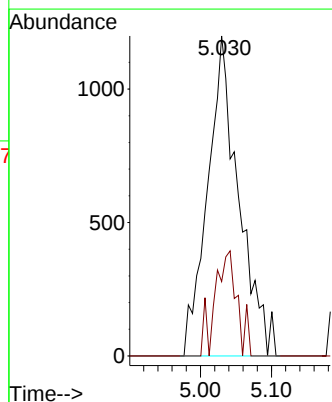
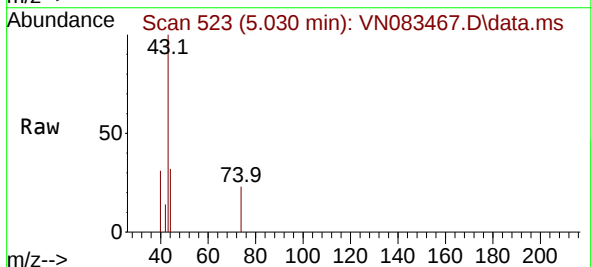


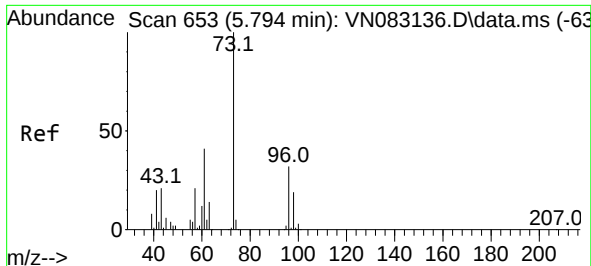
Tgt Ion: 76 Resp: 1464
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.816 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

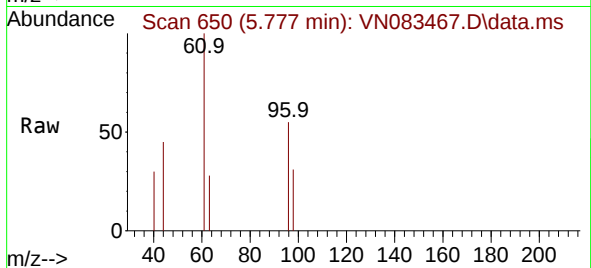
Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
74 23.2 16.3 24.5



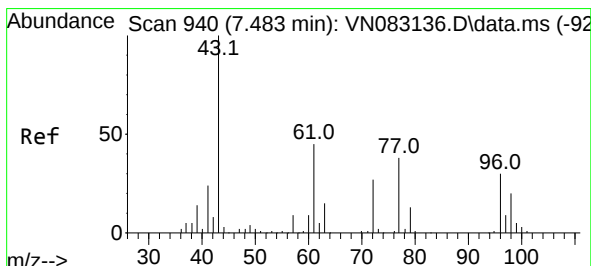
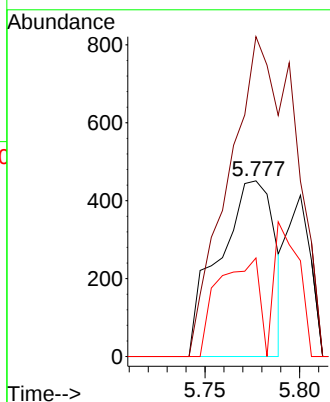
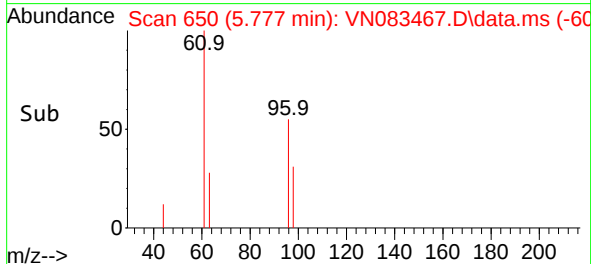


#21
trans-1,2-Dichloroethene
Concen: 0.661 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

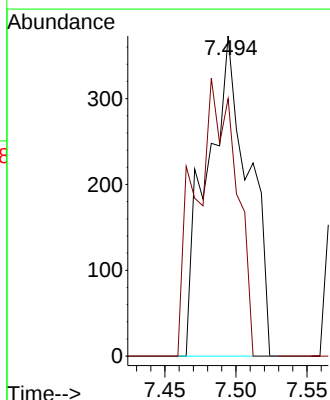
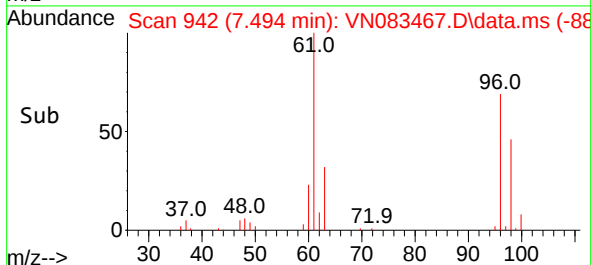
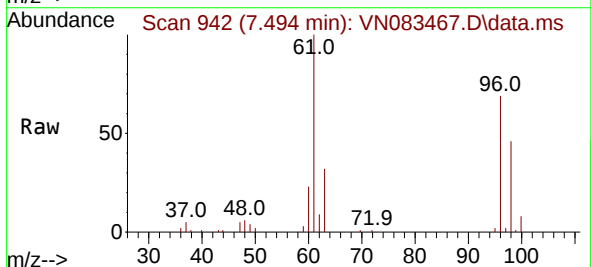


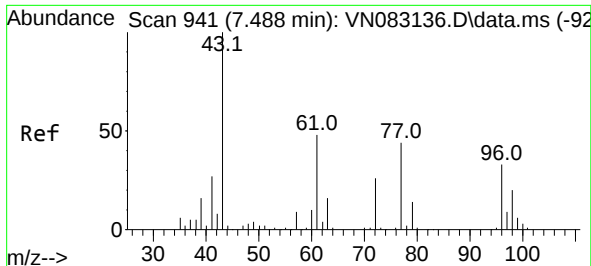
Tgt Ion: 96 Resp: 920
Ion Ratio Lower Upper
96 100
61 182.0 123.4 185.2
98 56.1 49.3 73.9



#25
2-Butanone
Concen: 0.730 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
72 80.4 18.2 27.2#





#27

cis-1,2-Dichloroethene

Concen: 34.664 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

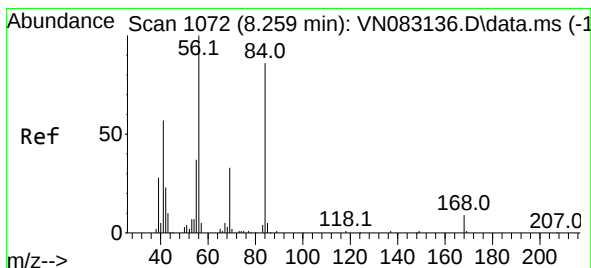
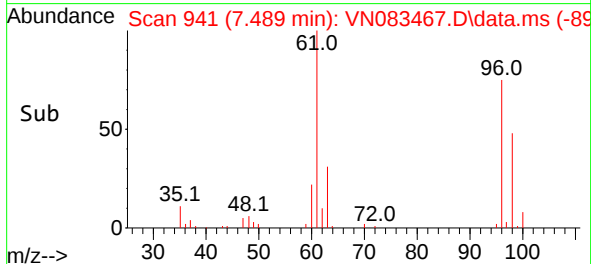
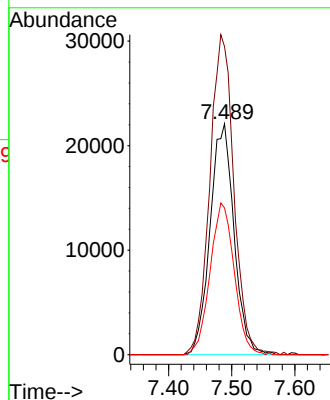
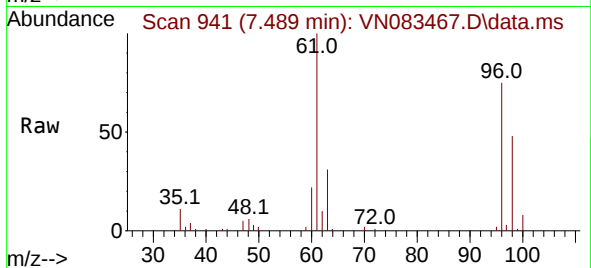
Tgt Ion: 96 Resp: 58253

Ion Ratio Lower Upper

96 100

61 138.9 0.0 329.6

98 66.2 0.0 128.6



#31

Cyclohexane

Concen: 1.255 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

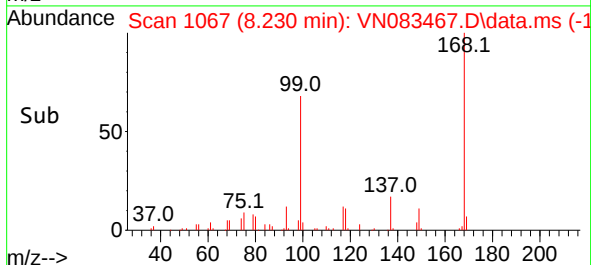
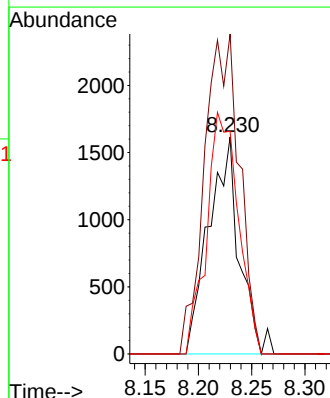
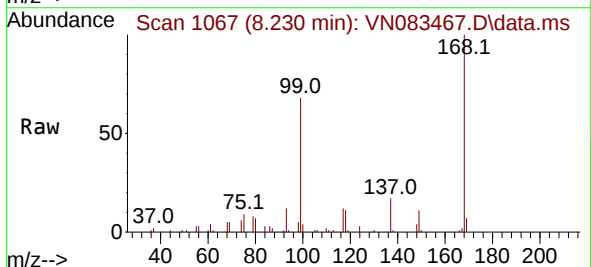
Tgt Ion: 56 Resp: 3218

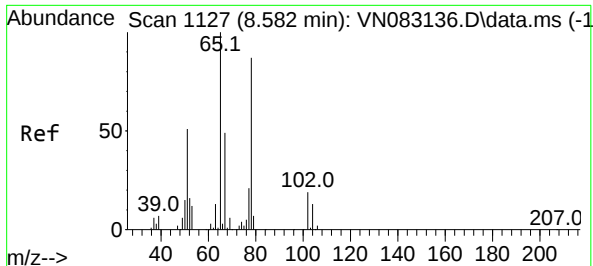
Ion Ratio Lower Upper

56 100

69 147.4 24.5 36.7#

84 102.6 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 58.389 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

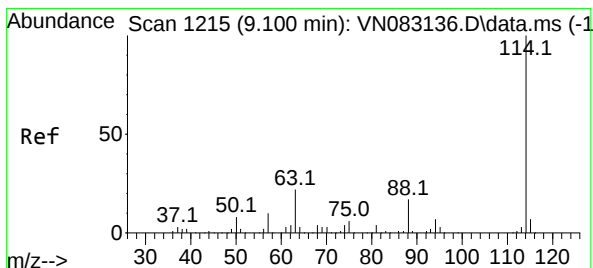
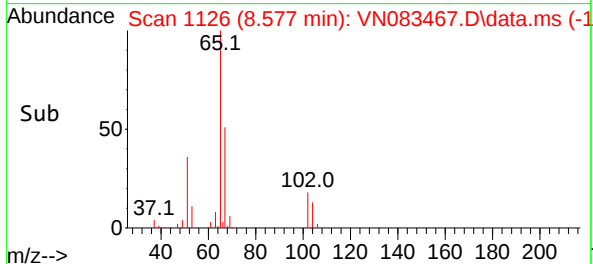
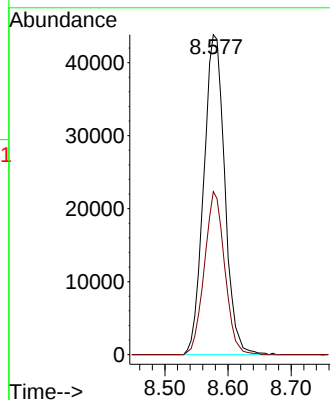
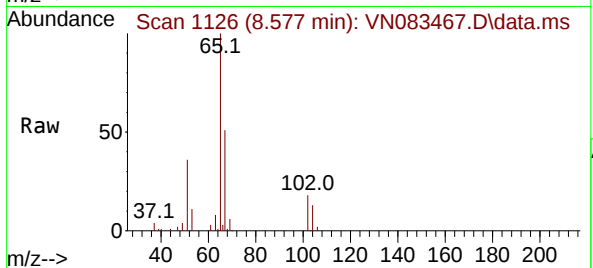
ClientSampleId :

Tgt Ion: 65 Resp: 101023

Ion Ratio Lower Upper

65 100

67 49.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

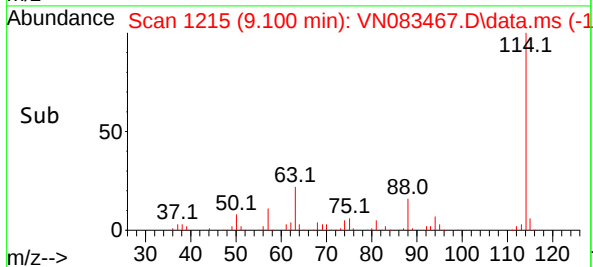
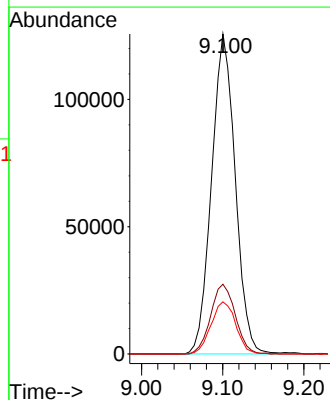
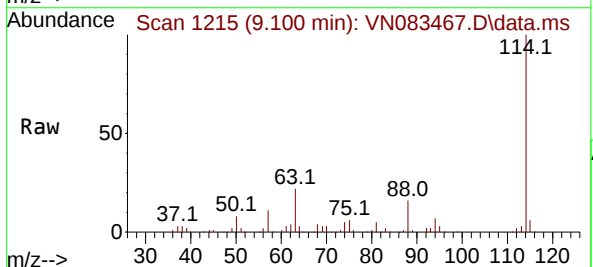
Tgt Ion: 114 Resp: 254593

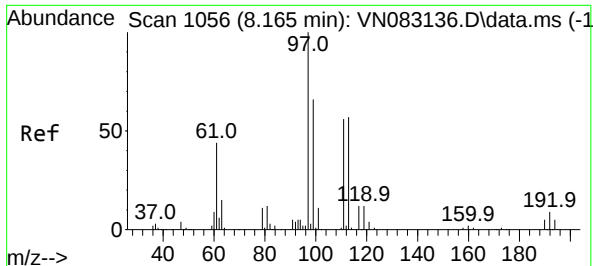
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.6

88 16.3 0.0 31.4

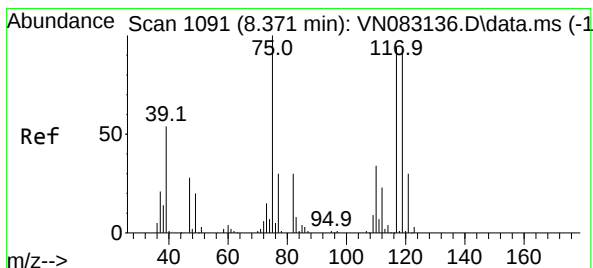
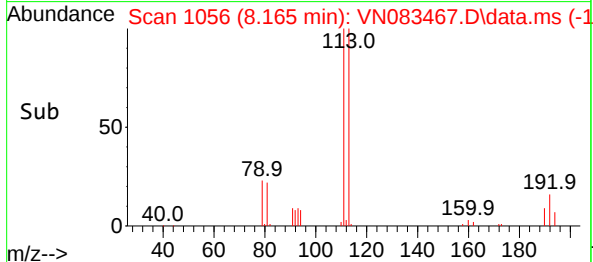
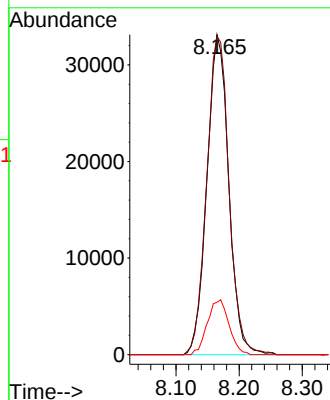
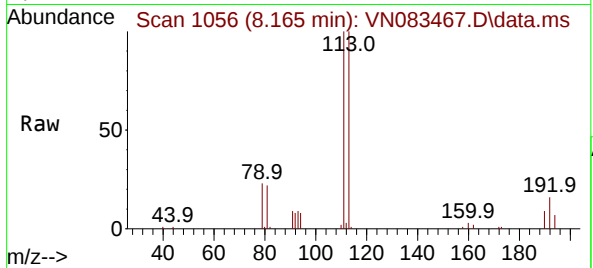




#35
Dibromofluoromethane
Concen: 50.042 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

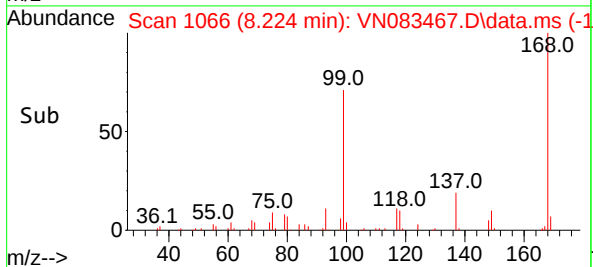
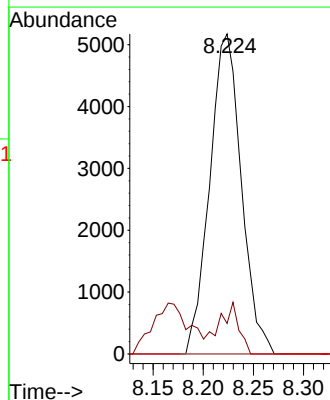
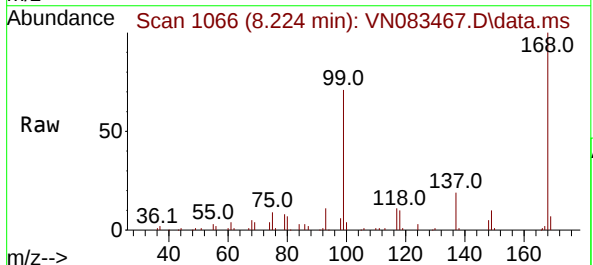
Instrument :
MSVOA_N
ClientSampleId :

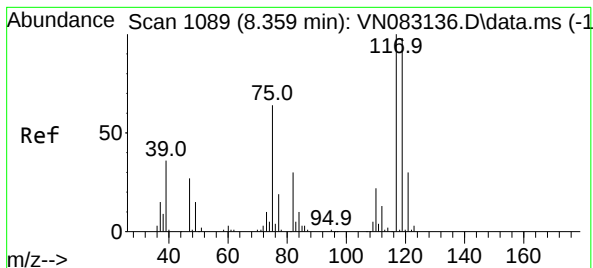
Tgt Ion:113 Resp: 79522
Ion Ratio Lower Upper
113 100
111 101.9 82.4 123.6
192 17.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion: 75 Resp: 11352
Ion Ratio Lower Upper
75 100
110 10.1 16.3 48.9#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.328 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.141 min

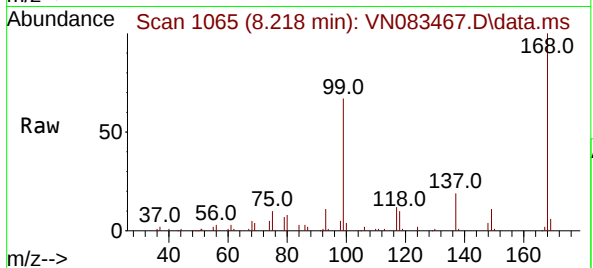
Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :



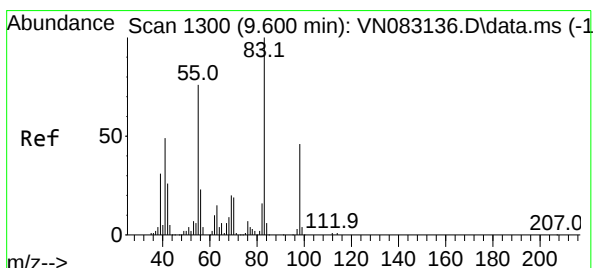
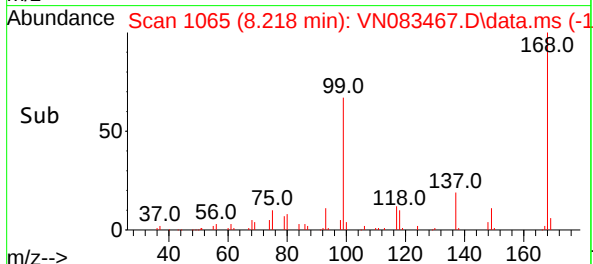
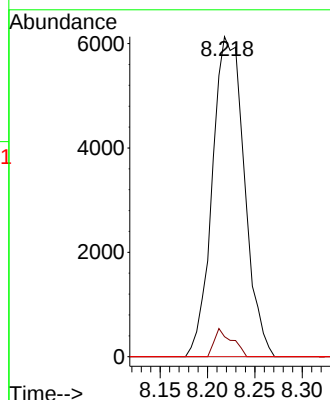
Tgt Ion:117 Resp: 14427

Ion Ratio Lower Upper

117 100

119 6.2 74.9 112.3#

121 0.0 24.3 36.5#



#39

Methylcyclohexane

Concen: 0.241 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.247 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

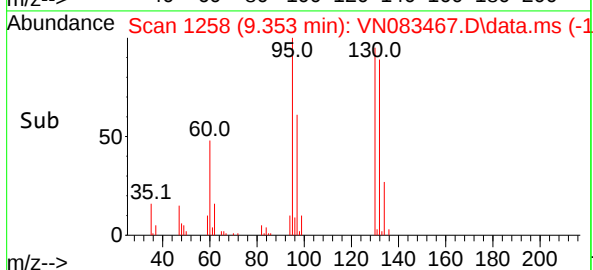
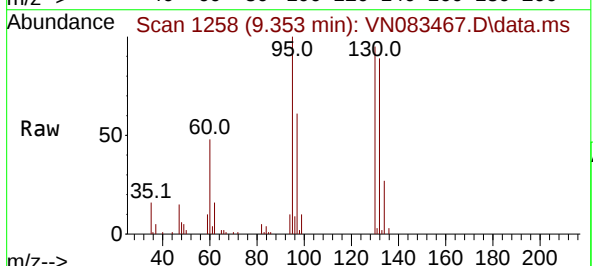
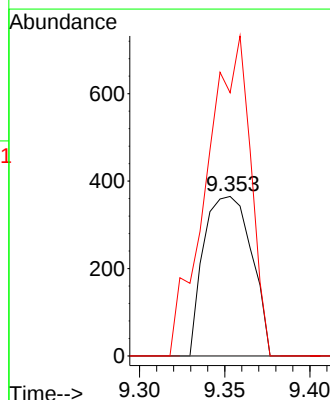
Tgt Ion: 83 Resp: 712

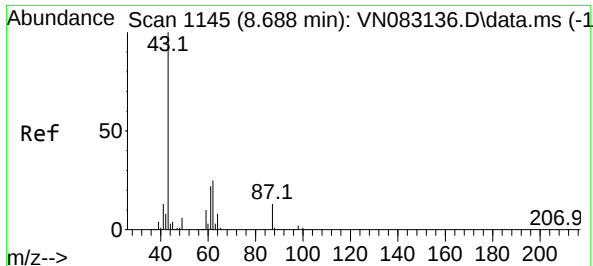
Ion Ratio Lower Upper

83 100

55 0.0 66.4 99.6#

98 118.9 40.7 61.1#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1145

Delta R.T. -0.023 min

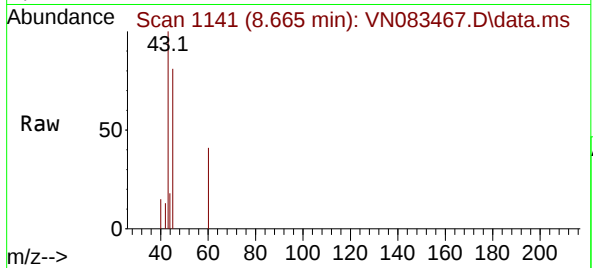
Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

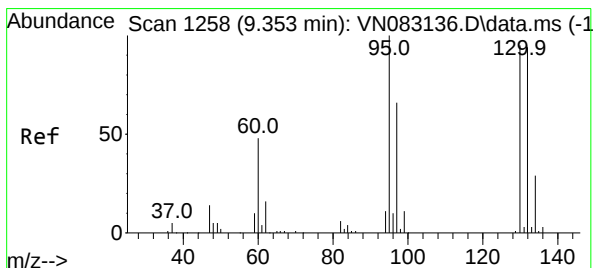
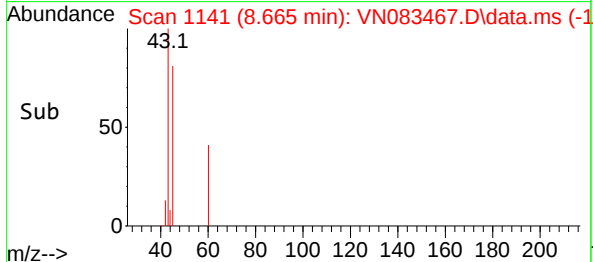
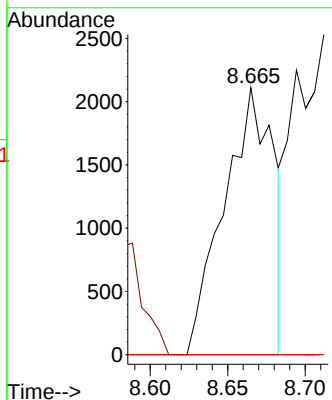
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 4684
Ion Ratio	Lower Upper
43	100
61	0.0 17.8 26.6#
87	0.0 8.2 12.2#



#44

Trichloroethene

Concen: 31.049 ug/l

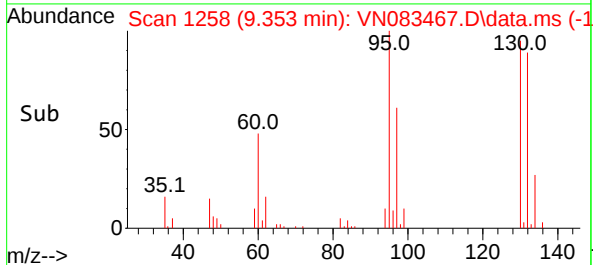
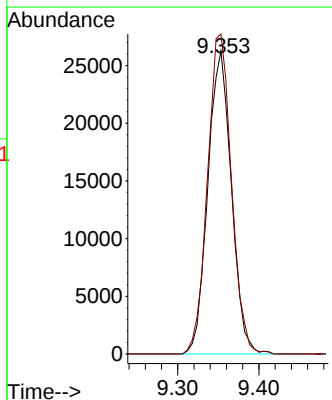
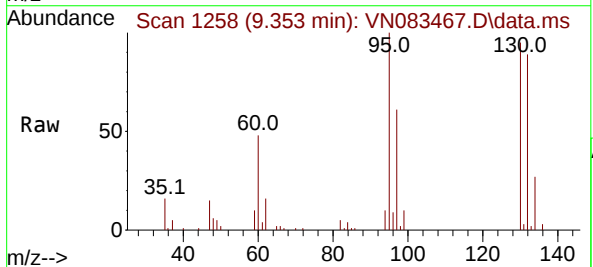
RT: 9.353 min Scan# 1258

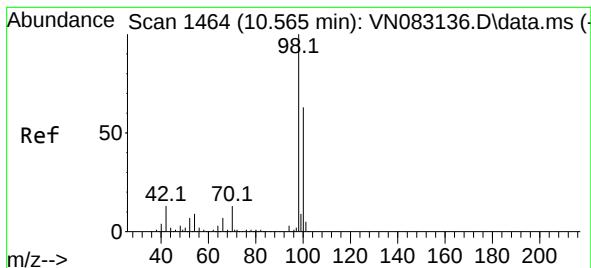
Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Tgt Ion: 130	Resp: 52924
Ion Ratio	Lower Upper
130	100
95	105.5 0.0 197.8





#50

Toluene-d8

Concen: 48.214 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

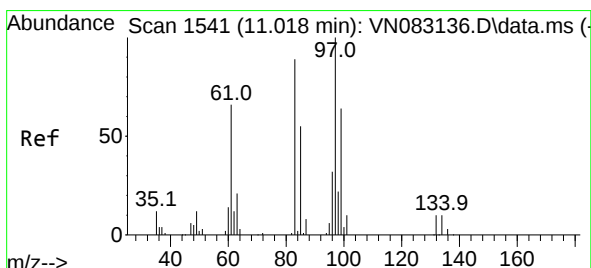
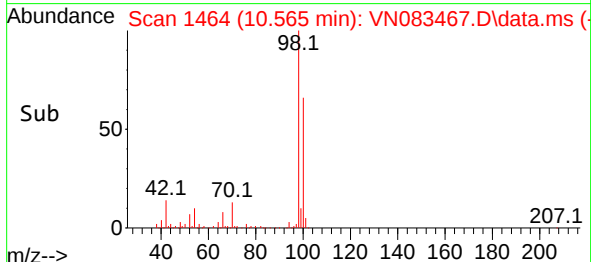
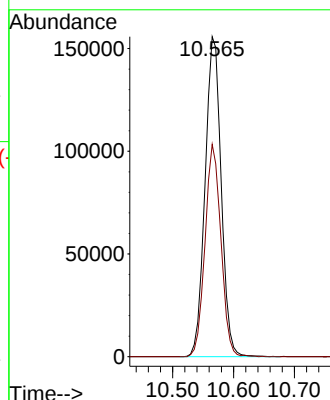
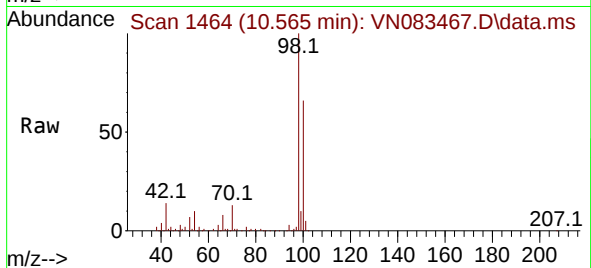
ClientSampleId :

Tgt Ion: 98 Resp: 285805

Ion Ratio Lower Upper

98 100

100 65.4 51.5 77.3



#55

1,1,2-Trichloroethane

Concen: 0.592 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.082 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Tgt Ion: 97 Resp: 960

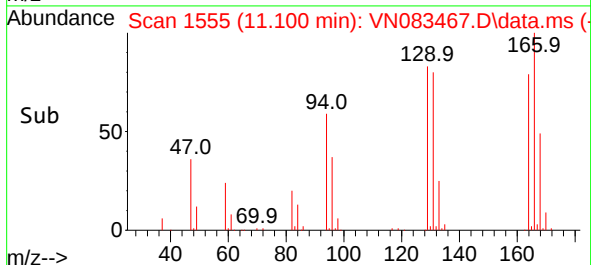
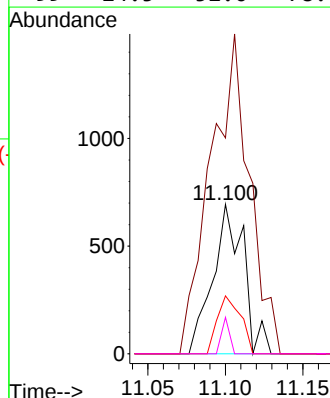
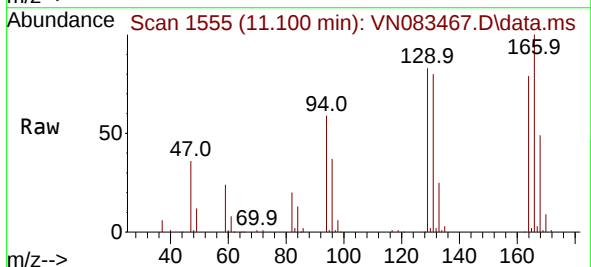
Ion Ratio Lower Upper

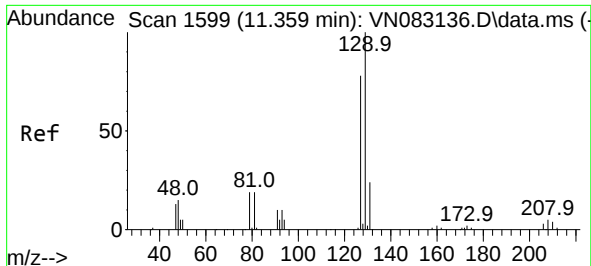
97 100

83 144.4 71.4 107.0#

85 38.8 45.8 68.6#

99 24.5 52.0 78.0#

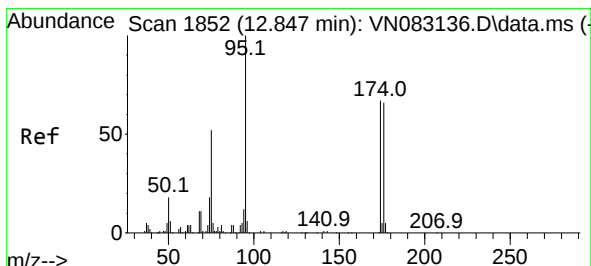
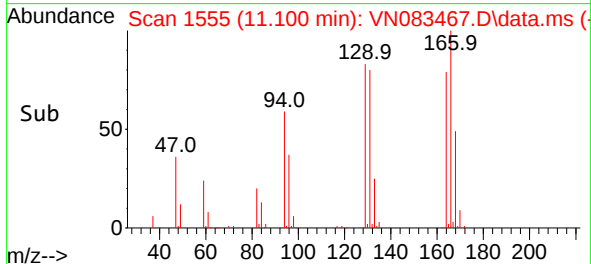
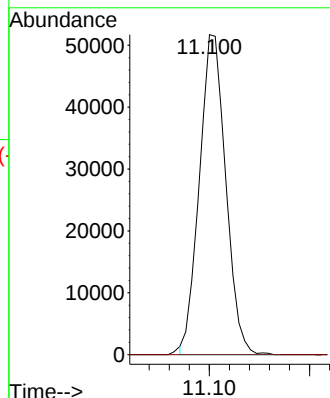
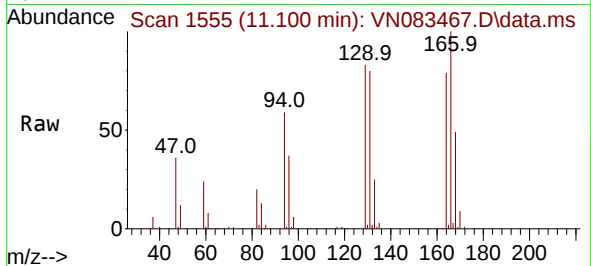




#60
Dibromochloromethane
Concen: 48.257 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

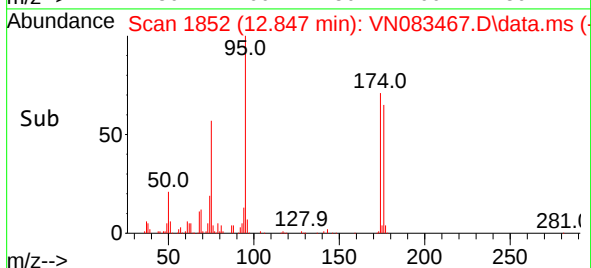
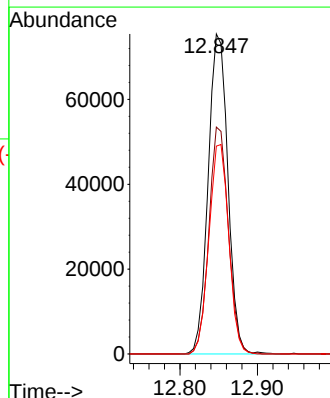
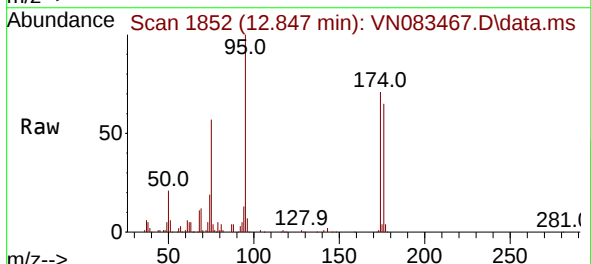
Instrument :
MSVOA_N
ClientSampleId :

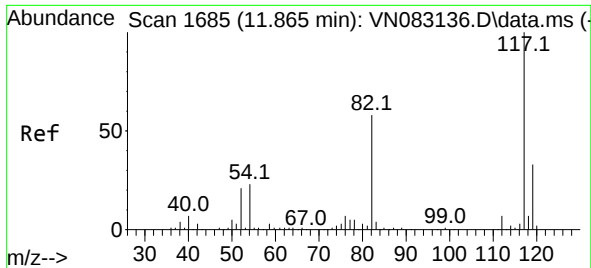
Tgt Ion:129 Resp: 94608
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#



#62
4-Bromofluorobenzene
Concen: 57.598 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

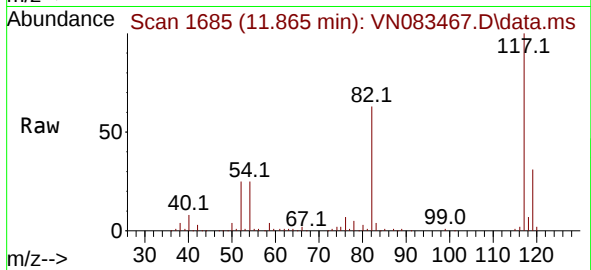
Tgt Ion: 95 Resp: 133108
Ion Ratio Lower Upper
95 100
174 70.2 0.0 159.2
176 65.8 0.0 147.6



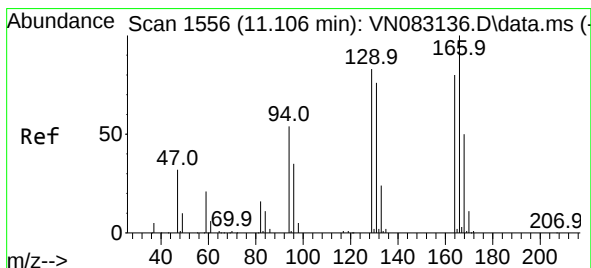
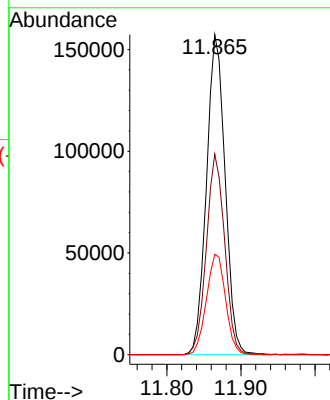
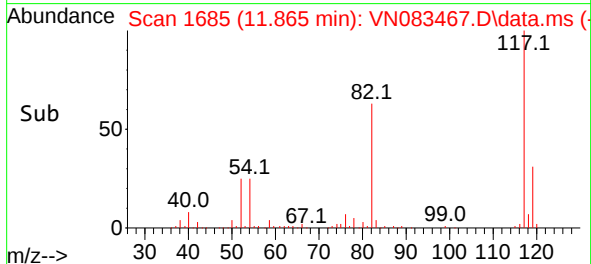


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

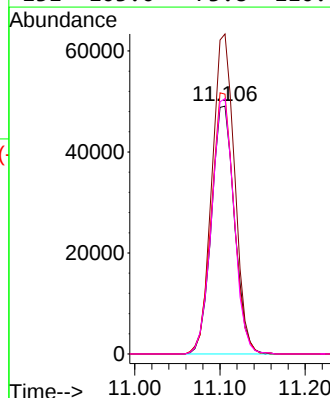
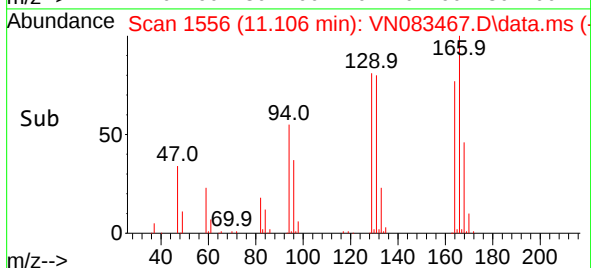
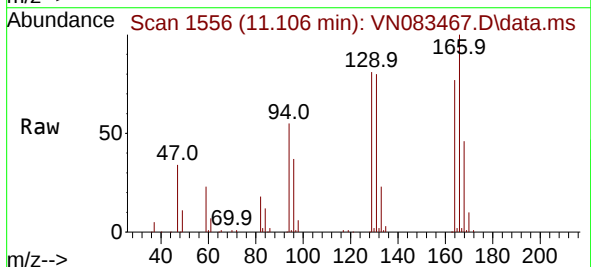


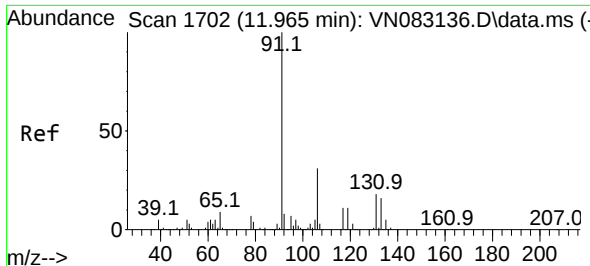
Tgt Ion:117 Resp: 274878
Ion Ratio Lower Upper
117 100
82 62.7 47.5 71.3
119 31.4 25.6 38.4



#64
Tetrachloroethene
Concen: 50.471 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion:164 Resp: 91880
Ion Ratio Lower Upper
164 100
166 129.1 101.4 152.0
129 104.8 75.7 113.5
131 103.0 73.8 110.6

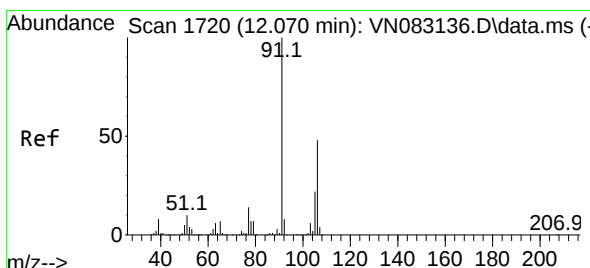
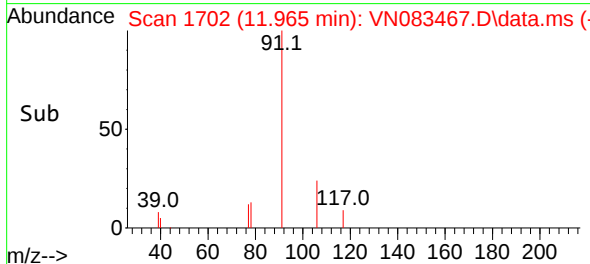
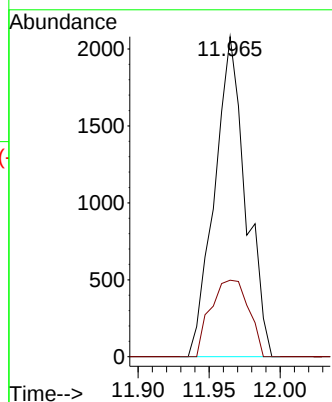
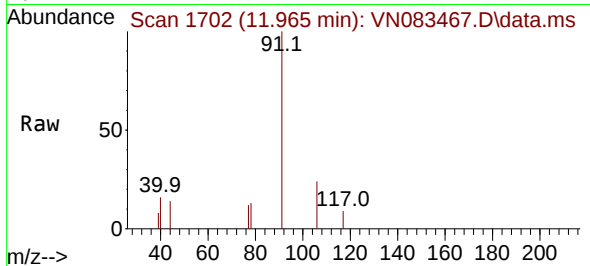




#67
Ethyl Benzene
Concen: 0.285 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

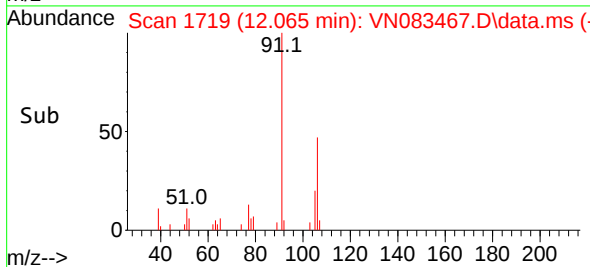
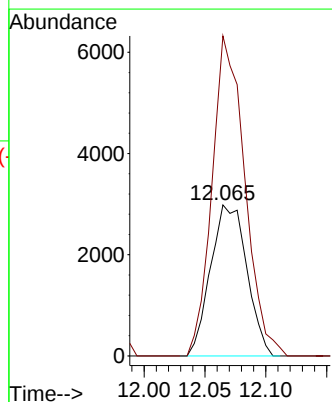
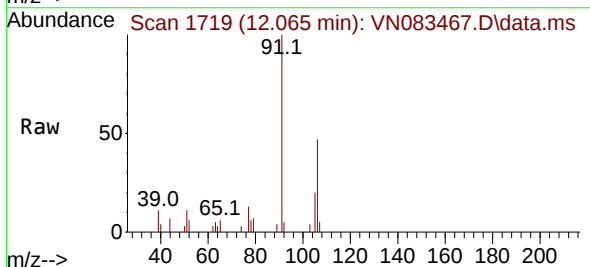
Instrument :
MSVOA_N
ClientSampleId :

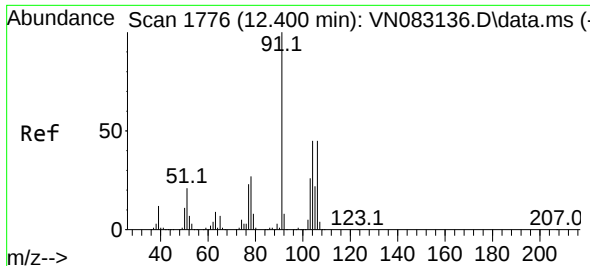
Tgt Ion: 91 Resp: 3181
Ion Ratio Lower Upper
91 100
106 23.9 24.0 36.0#



#68
m/p-Xylenes
Concen: 1.480 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion:106 Resp: 6179
Ion Ratio Lower Upper
106 100
91 191.6 166.1 249.1

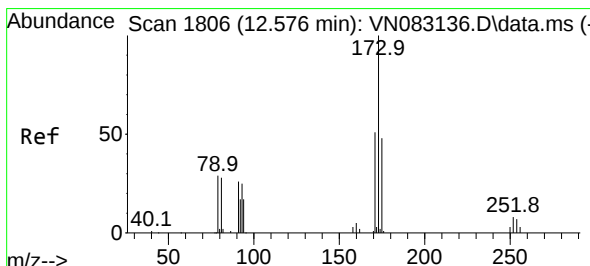
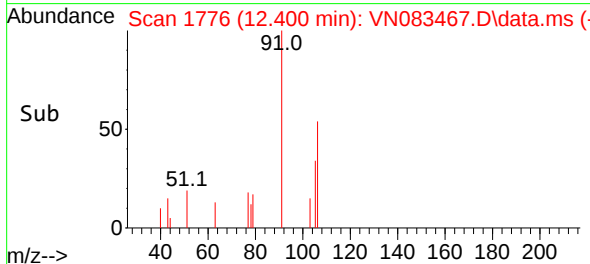
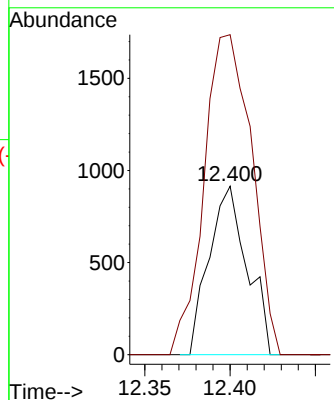
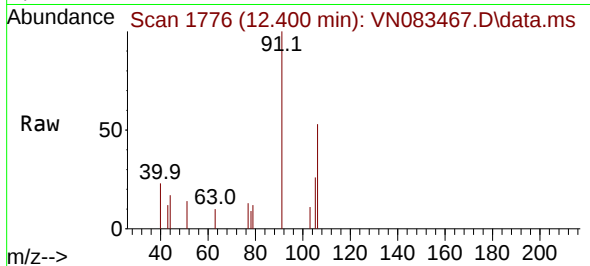




#69
o-Xylene
Concen: 0.346 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

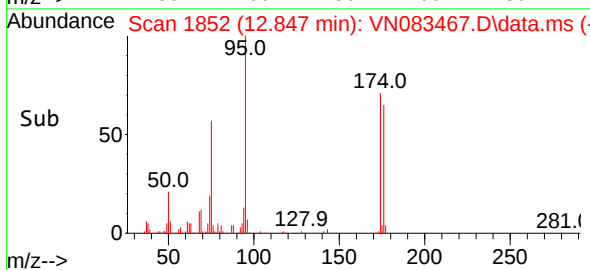
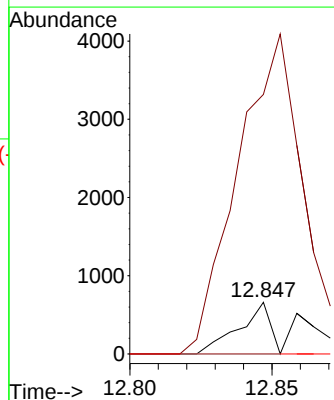
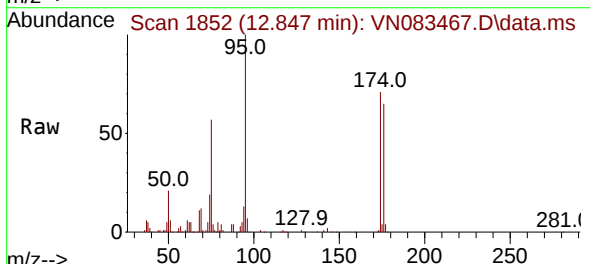
Instrument :
MSVOA_N
ClientSampleId :

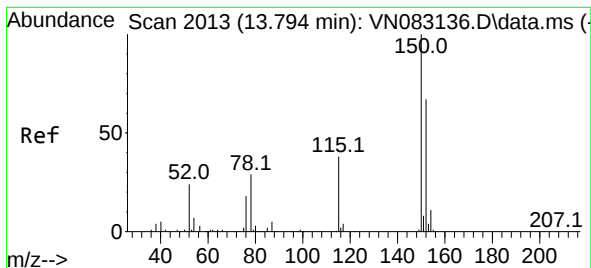
Tgt Ion:106 Resp: 1426
Ion Ratio Lower Upper
106 100
91 237.0 111.3 333.9



#71
Bromoform
Concen: 0.314 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083467.D
Acq: 23 Aug 2024 17:56

Tgt Ion:173 Resp: 509
Ion Ratio Lower Upper
173 100
175 0.0 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# 20

Delta R.T. 0.000 min

Lab File: VN083467.D

Acq: 23 Aug 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

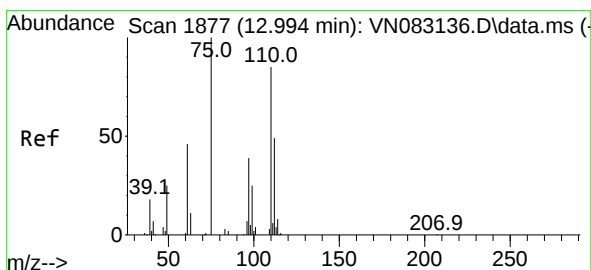
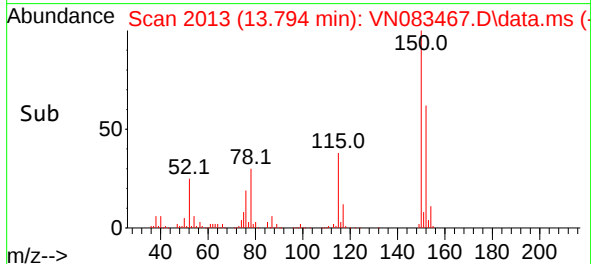
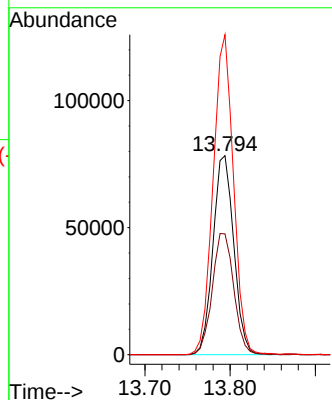
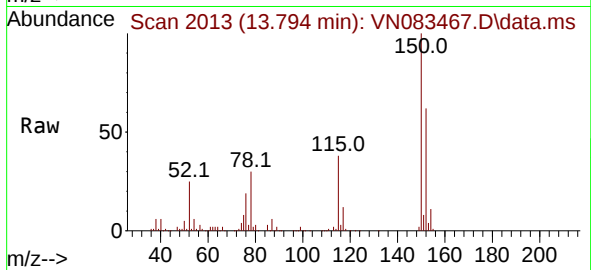
Tgt Ion:152 Resp: 132754

Ion Ratio Lower Upper

152 100

115 63.0 30.6 91.6

150 157.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 25.490 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083467.D

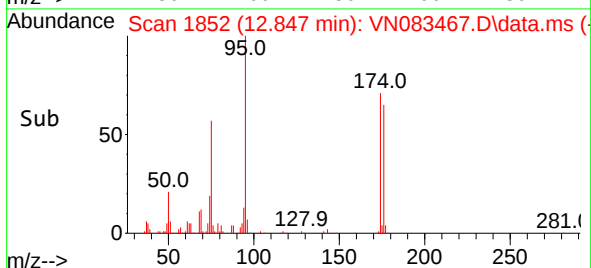
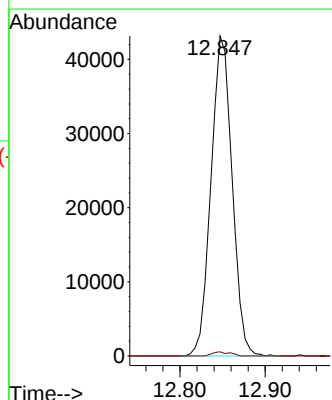
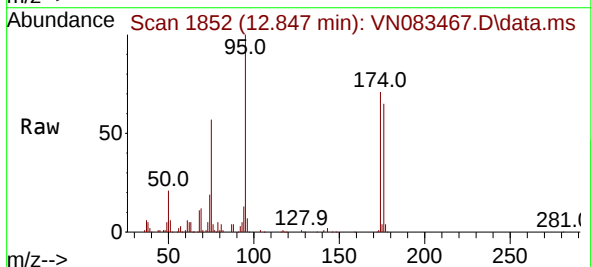
Acq: 23 Aug 2024 17:56

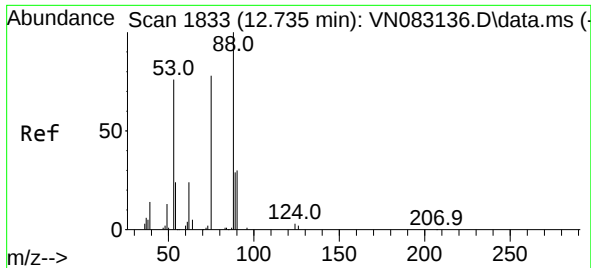
Tgt Ion: 75 Resp: 74268

Ion Ratio Lower Upper

75 100

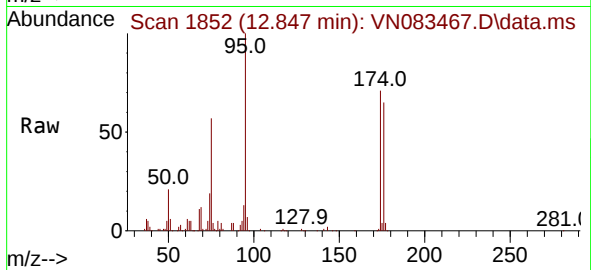
77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.447 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083467.D
 Acq: 23 Aug 2024 17:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

