

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083269.D
 Acq On : 13 Aug 2024 19:45
 Operator : JC\MD
 Sample : P3429-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 01:49:33 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)

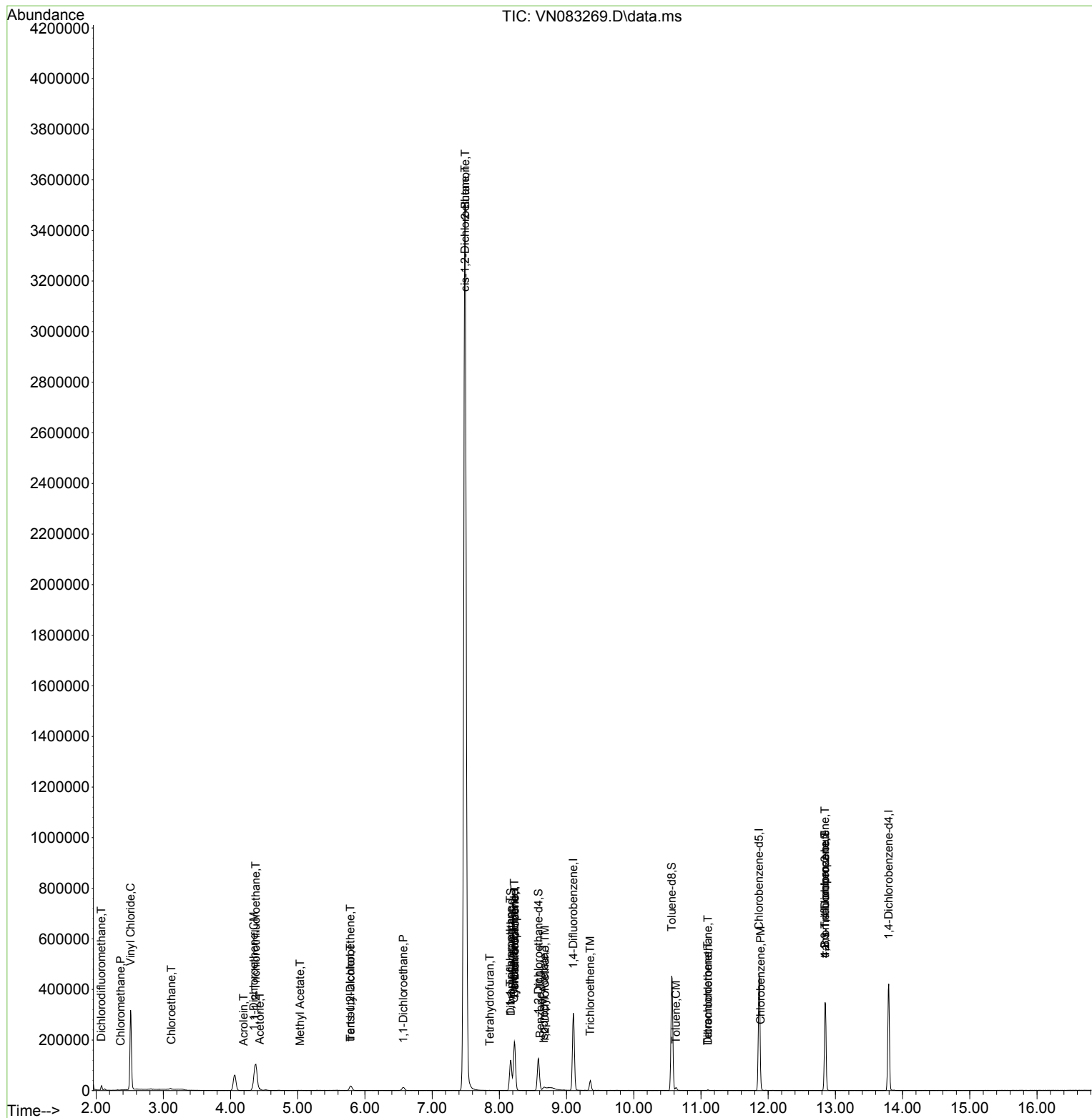
Internal Standards						
1) Pentafluorobenzene	8.224	168	131513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	106997	57.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.320%			
35) Dibromofluoromethane	8.171	113	85905	53.859	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.720%			
50) Toluene-d8	10.565	98	317651	53.389	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
62) 4-Bromofluorobenzene	12.847	95	126373	54.482	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.077	85	1911	1.281	ug/l	85
3) Chloromethane	2.365	50	444	0.291	ug/l #	43
4) Vinyl Chloride	2.512	62	300019	192.568	ug/l	98
6) Chloroethane	3.118	64	796	0.817	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	4.377	101	71936	50.695	ug/l	99
11) Tert butyl alcohol	5.783	59	360	0.925	ug/l #	71
12) 1,1-Dichloroethene	4.347	96	5493	3.768	ug/l #	77
13) Acrolein	4.194	56	58	0.229	ug/l #	14
16) Acetone	4.436	43	9117	12.447	ug/l	99
18) Methyl Acetate	5.036	43	1248	0.572	ug/l #	56
21) trans-1,2-Dichloroethene	5.783	96	11501	7.633	ug/l	91
24) 1,1-Dichloroethane	6.571	63	18791	6.657	ug/l	96
25) 2-Butanone	7.494	43	848	0.754	ug/l #	1
27) cis-1,2-Dichloroethene	7.488	96	2080407	1144.206	ug/l	84
29) Tetrahydrofuran	7.859	42	240	0.330	ug/l #	38
31) Cyclohexane	8.218	56	3447	1.243	ug/l #	40
32) 1,1,1-Trichloroethane	8.165	97	1709	0.616	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	11281	4.675	ug/l #	48
38) Carbon Tetrachloride	8.224	117	15472	5.693	ug/l #	19
40) Benzene	8.606	78	4133	0.575	ug/l	91
42) 1,2-Dichloroethane	8.677	62	1416	0.541	ug/l #	78
43) Isopropyl Acetate	8.665	43	8902	0.302	ug/l #	63
44) Trichloroethene	9.353	130	13314	7.782	ug/l	86
52) Toluene	10.629	92	5037	1.109	ug/l	99
60) Dibromochloromethane	11.106	129	794	0.404	ug/l #	10
64) Tetrachloroethene	11.100	164	656	0.385	ug/l #	71
65) Chlorobenzene	11.888	112	1490	0.262	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	69017	28.548	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69017	62.099	ug/l #	6

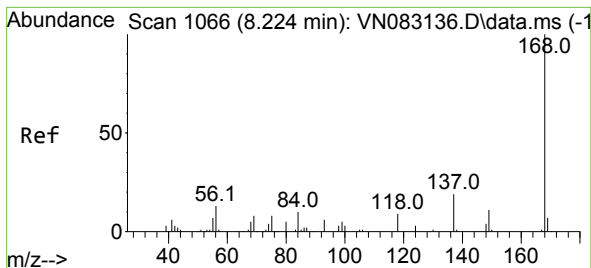
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 10

Delta R.T. -0.000 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

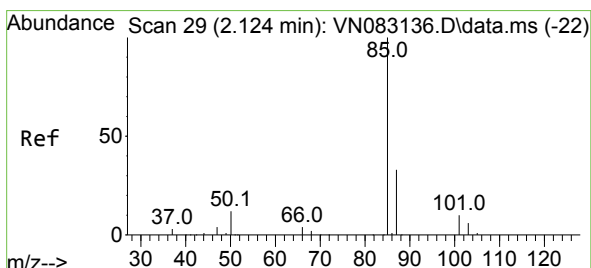
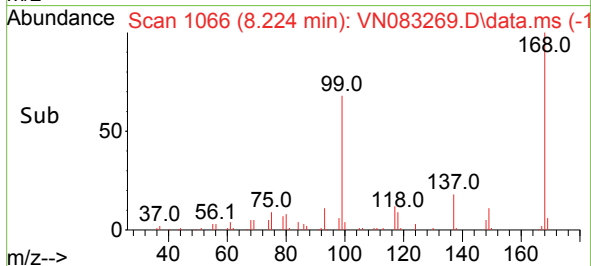
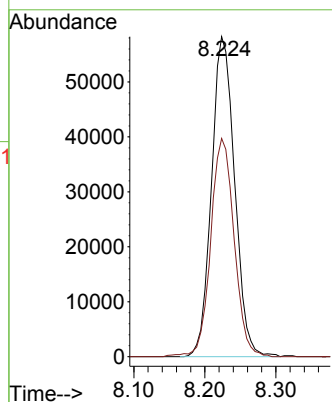
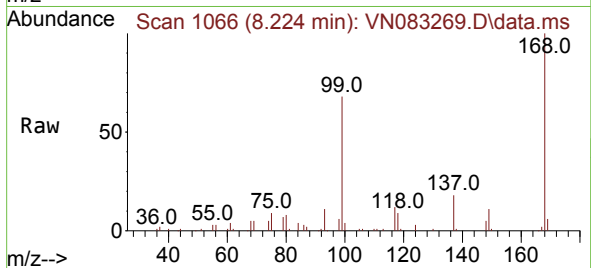
ClientSampleId :

Tgt Ion:168 Resp: 131513

Ion Ratio Lower Upper

168 100

99 68.2 48.2 72.4



#2

Dichlorodifluoromethane

Concen: 1.281 ug/l

RT: 2.077 min Scan# 21

Delta R.T. -0.047 min

Lab File: VN083269.D

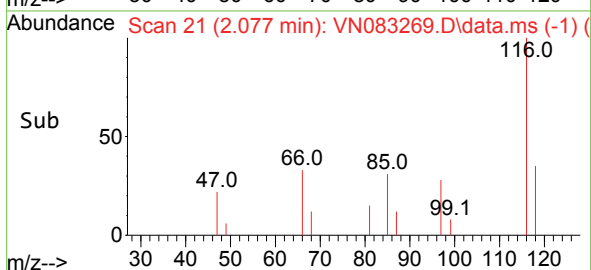
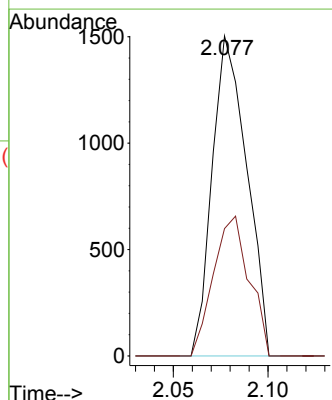
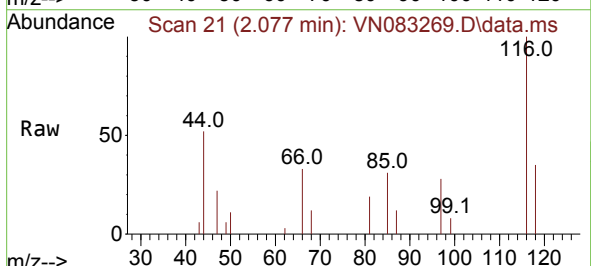
Acq: 13 Aug 2024 19:45

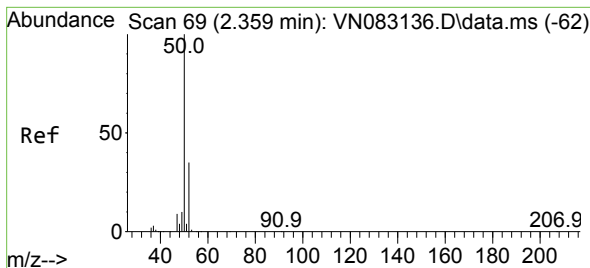
Tgt Ion: 85 Resp: 1911

Ion Ratio Lower Upper

85 100

87 39.8 15.7 47.0





#3

Chloromethane

Concen: 0.291 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

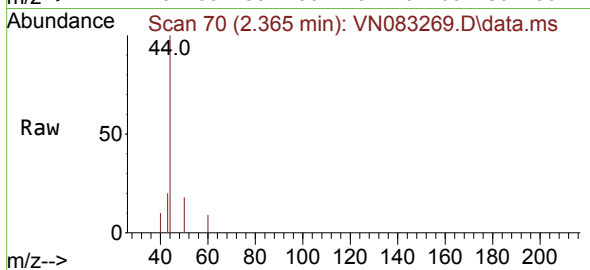
Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

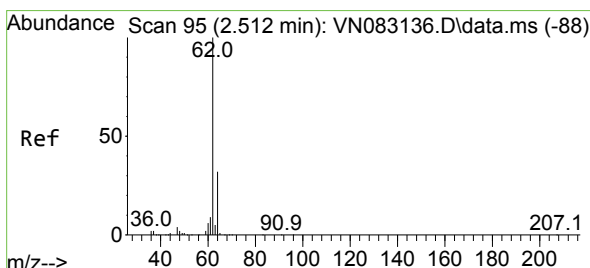
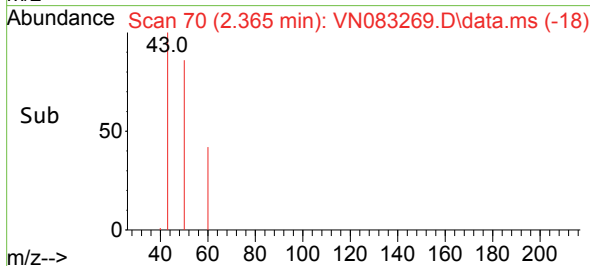
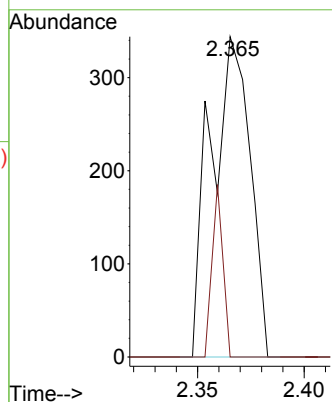


Tgt Ion: 50 Resp: 444

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#4

Vinyl Chloride

Concen: 192.568 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN083269.D

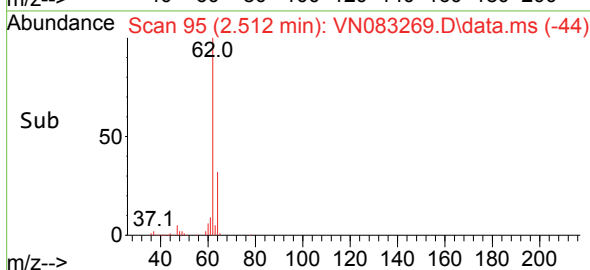
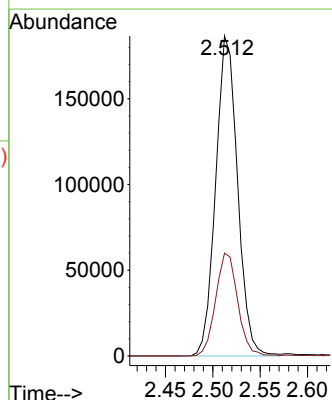
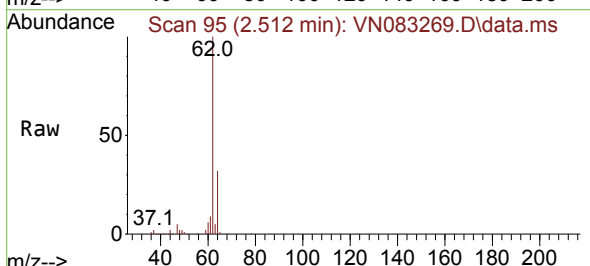
Acq: 13 Aug 2024 19:45

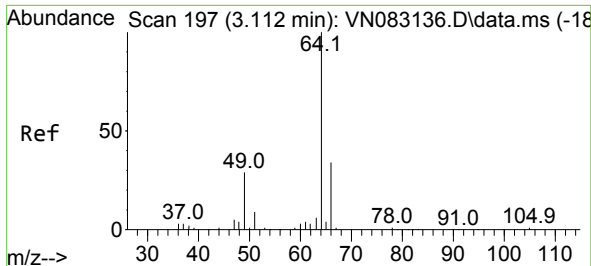
Tgt Ion: 62 Resp: 300019

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6

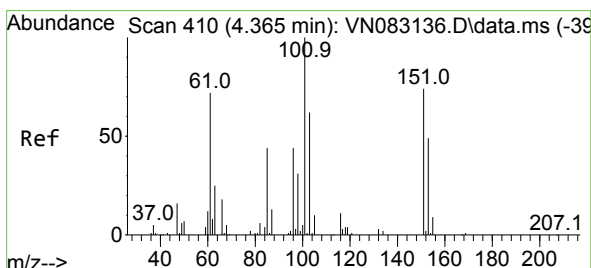
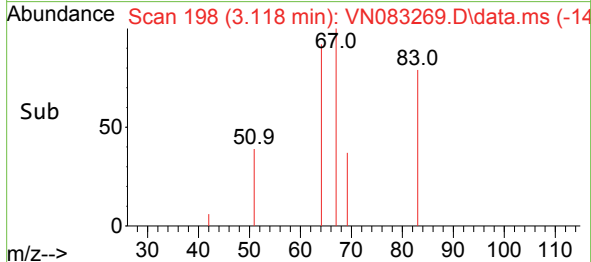
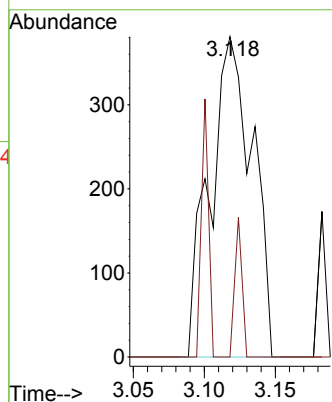
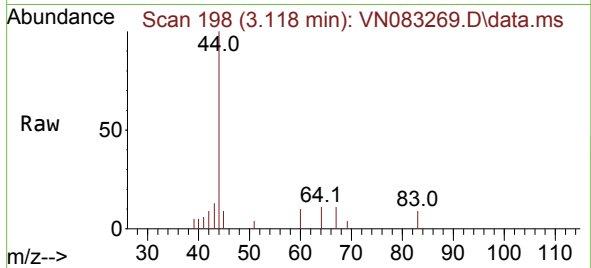




#6
Chloroethane
Concen: 0.817 ug/l
RT: 3.118 min Scan# 197
Delta R.T. 0.006 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

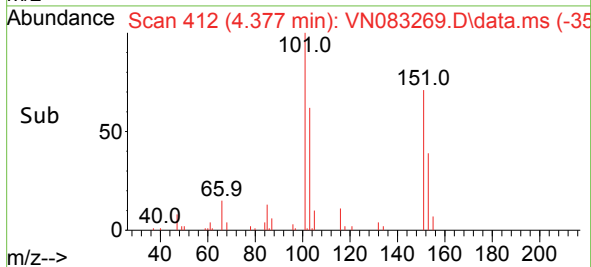
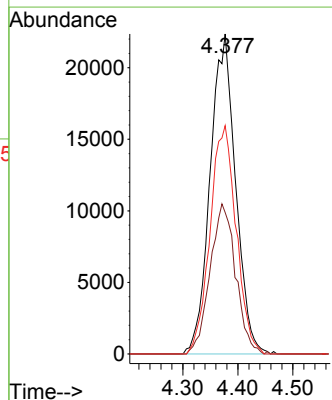
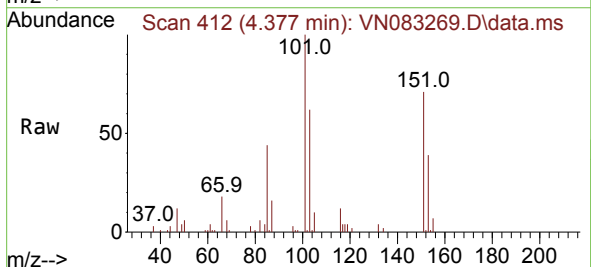
Instrument :
MSVOA_N
ClientSampleId :

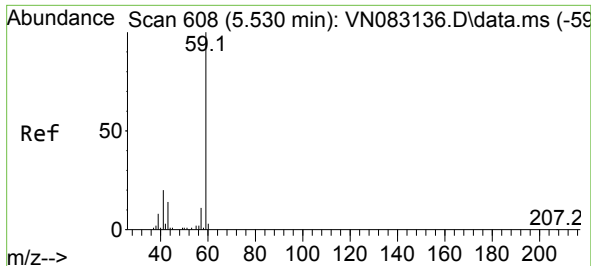
Tgt Ion: 64 Resp: 796
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.695 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.012 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

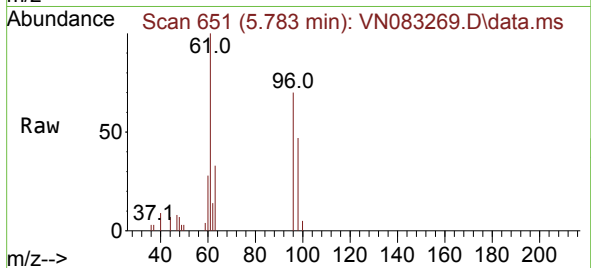
Tgt Ion: 101 Resp: 71936
Ion Ratio Lower Upper
101 100
85 47.2 38.3 57.5
151 73.2 59.3 88.9



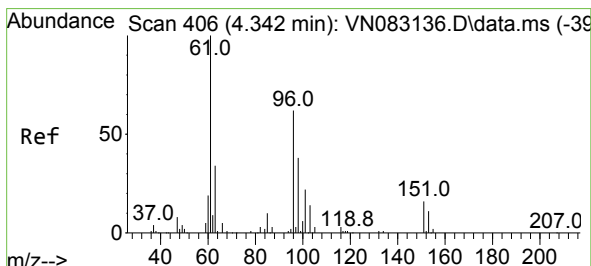
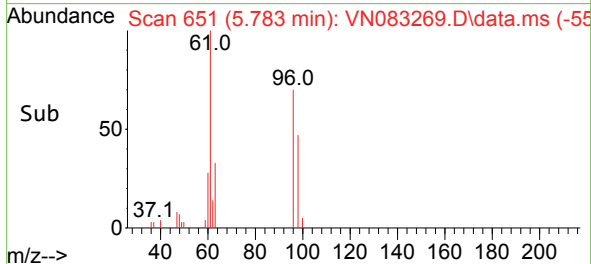
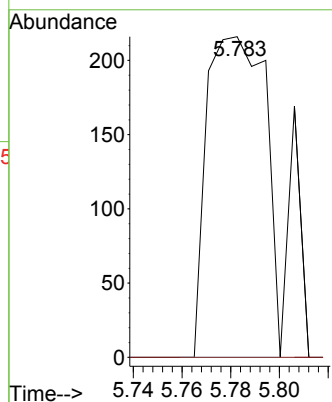


#11
Tert butyl alcohol
Concen: 0.925 ug/l
RT: 5.783 min Scan# 610
Delta R.T. 0.253 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :

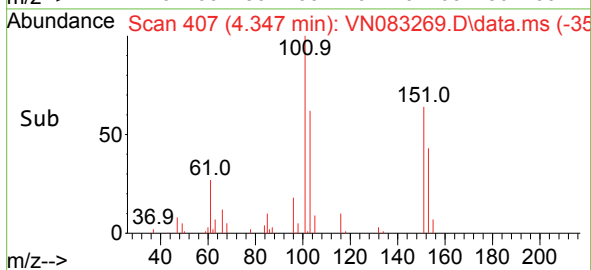
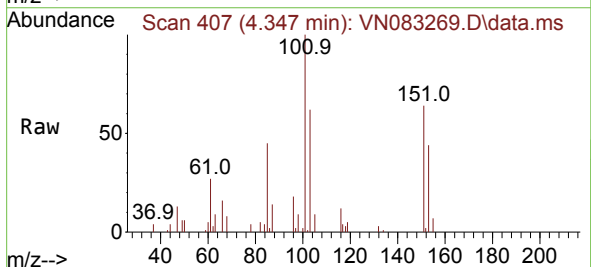
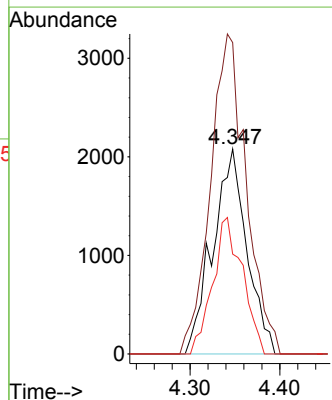


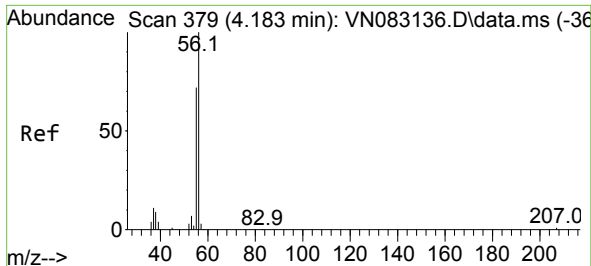
Tgt Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#12
1,1-Dichloroethene
Concen: 3.768 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

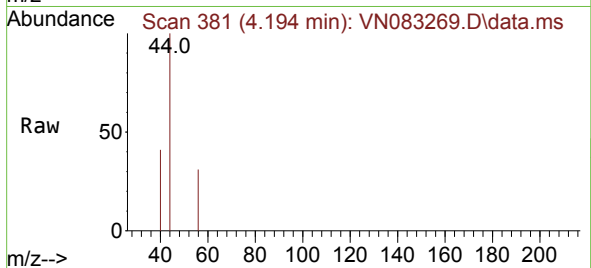
Tgt Ion: 96 Resp: 5493
Ion Ratio Lower Upper
96 100
61 151.9 149.7 224.5
98 48.8 50.1 75.1#



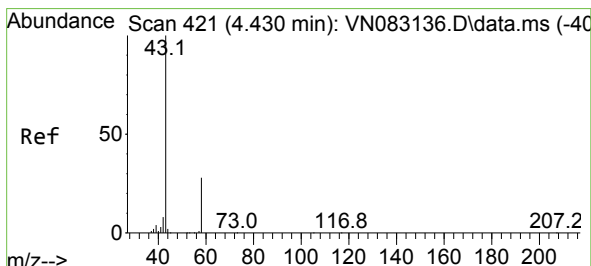
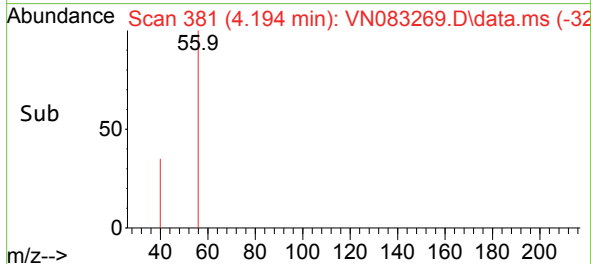
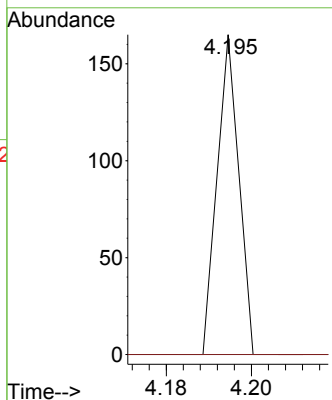


#13
Acrolein
Concen: 0.229 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Instrument :
MSVOA_N
ClientSampleId :

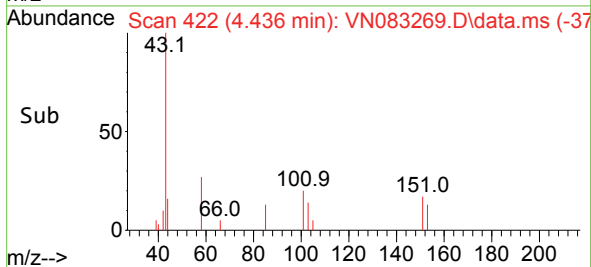
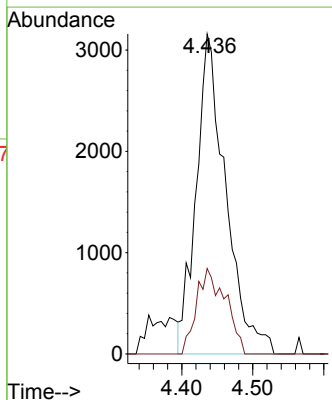
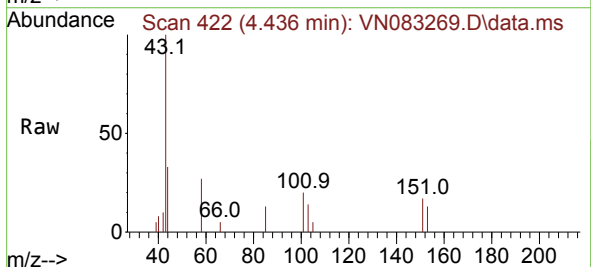


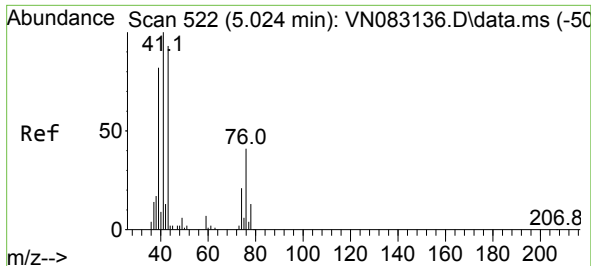
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 12.447 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

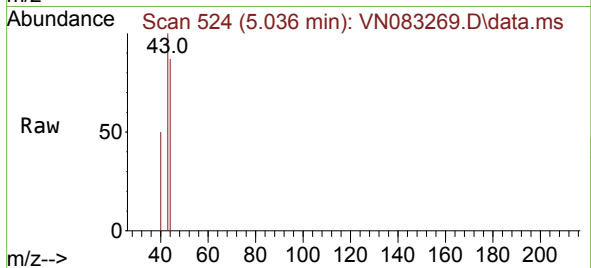
Tgt Ion: 43 Resp: 9117
Ion Ratio Lower Upper
43 100
58 26.7 21.8 32.6



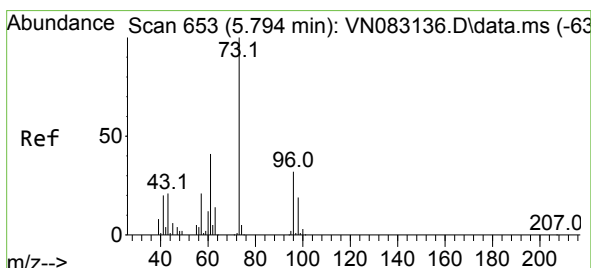
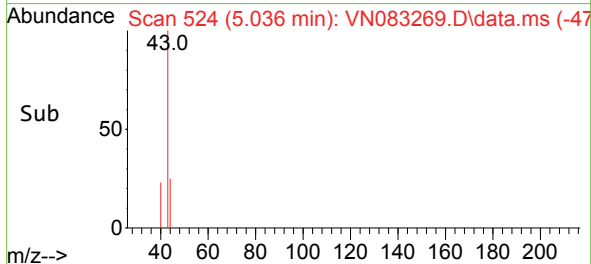
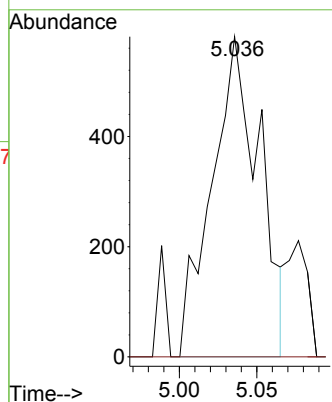


#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Instrument :
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ClientSampleId :

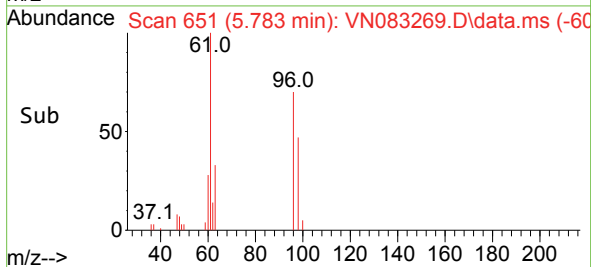
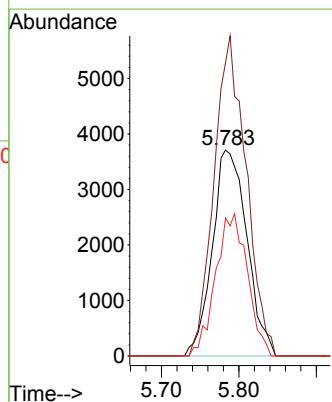
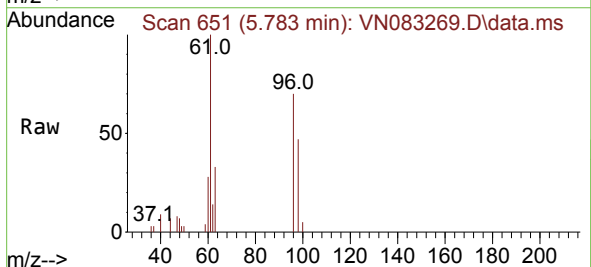


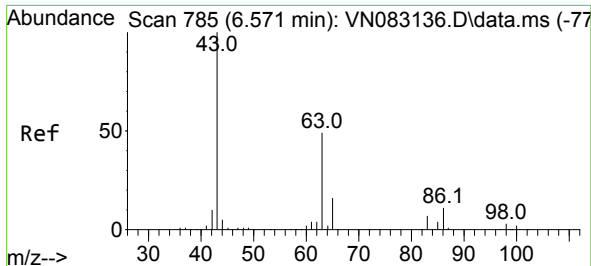
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#21
trans-1,2-Dichloroethene
Concen: 7.633 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.012 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Tgt Ion: 96 Resp: 11501
Ion Ratio Lower Upper
96 100
61 142.5 123.4 185.2
98 67.1 49.3 73.9

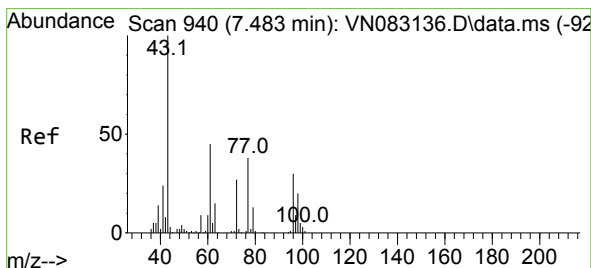
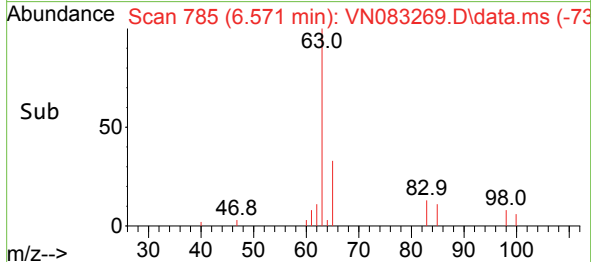
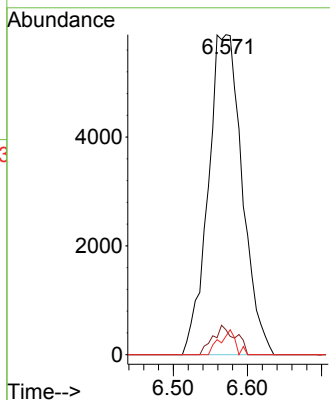
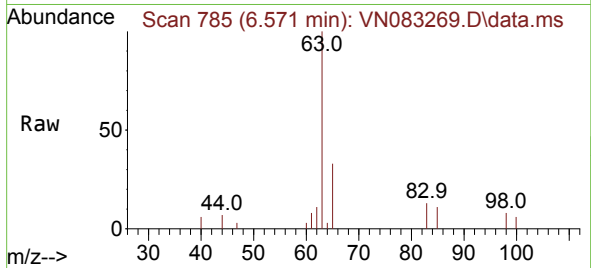




#24
1,1-Dichloroethane
Concen: 6.657 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

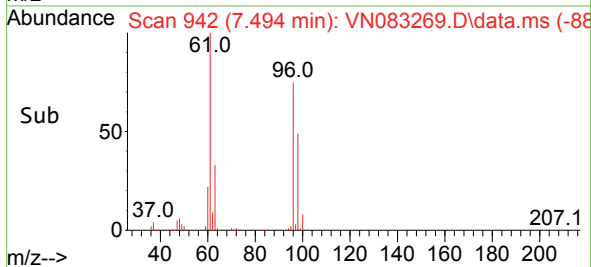
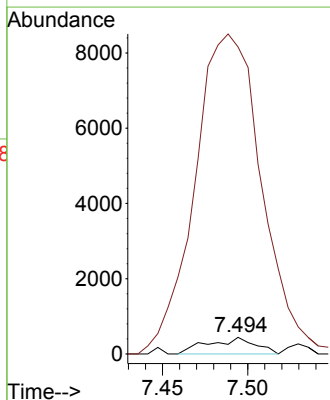
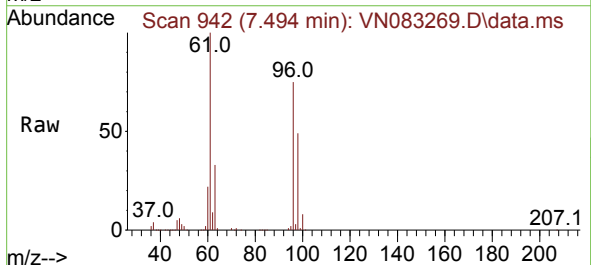
Instrument :
MSVOA_N
ClientSampleId :

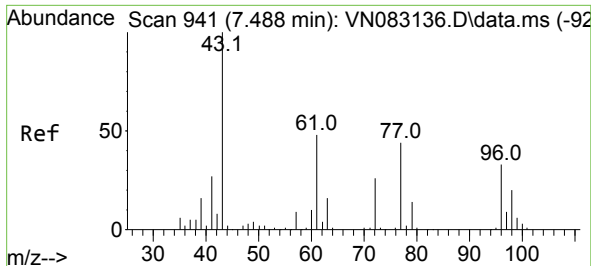
Tgt Ion: 63 Resp: 18791
Ion Ratio Lower Upper
63 100
98 7.8 3.3 9.9
100 5.7 2.0 6.0



#25
2-Butanone
Concen: 0.754 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

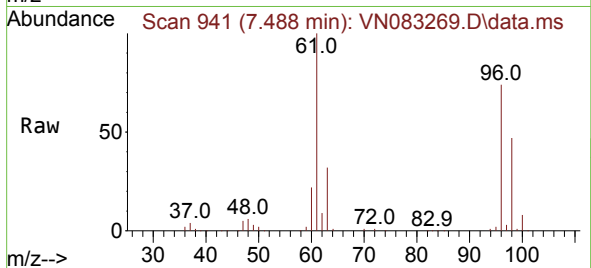
Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
72 1379.3 18.2 27.2#





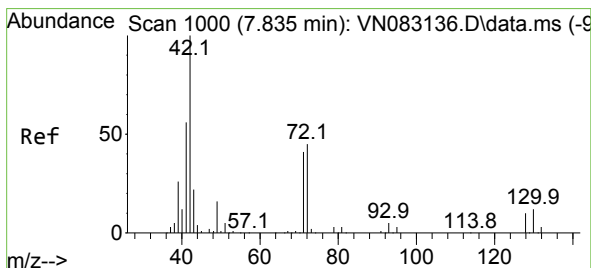
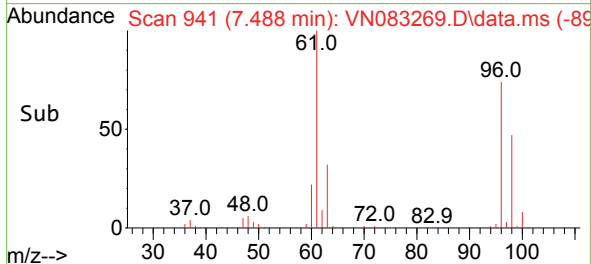
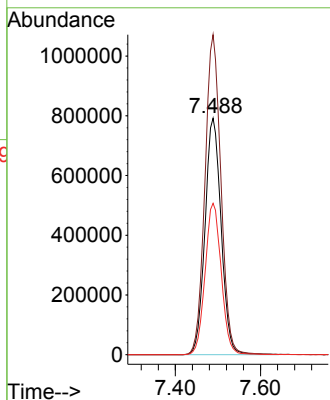
#27
 cis-1,2-Dichloroethene
 Concen: 1144.206 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN083269.D
 Acq: 13 Aug 2024 19:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 2080407

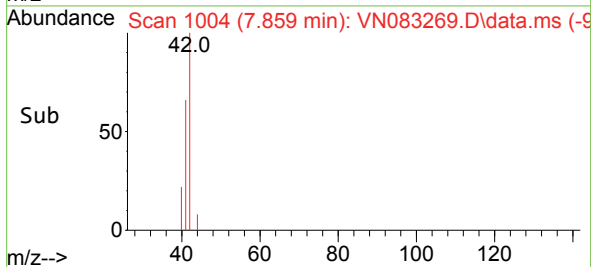
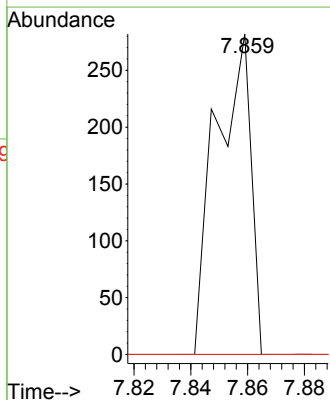
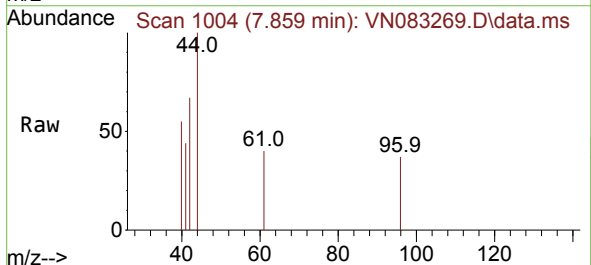
Ion	Ratio	Lower	Upper
96	100		
61	134.3	0.0	329.6
98	64.1	0.0	128.6

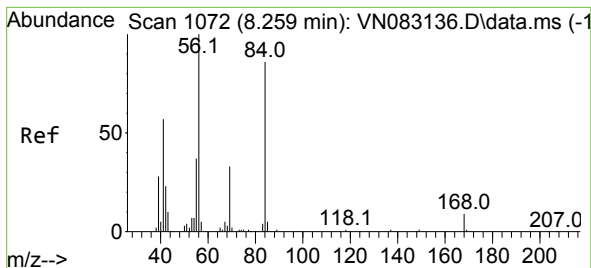


#29
 Tetrahydrofuran
 Concen: 0.330 ug/l
 RT: 7.859 min Scan# 1004
 Delta R.T. 0.023 min
 Lab File: VN083269.D
 Acq: 13 Aug 2024 19:45

Tgt Ion: 42 Resp: 240

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#





#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

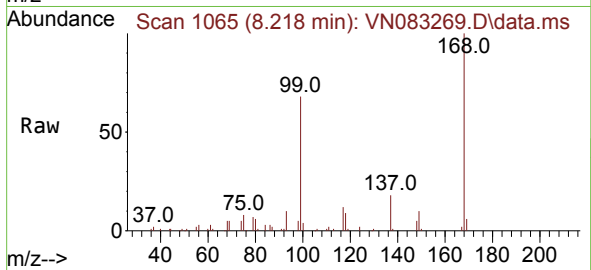
Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :



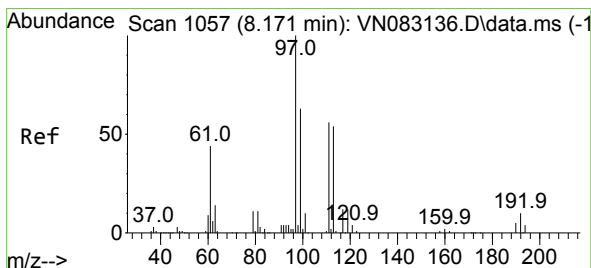
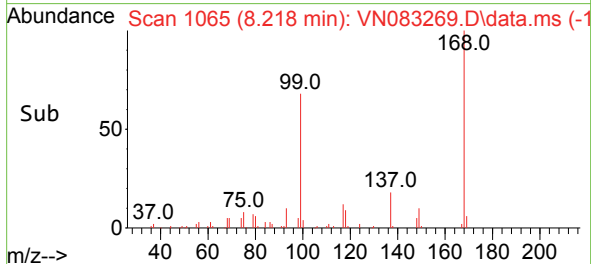
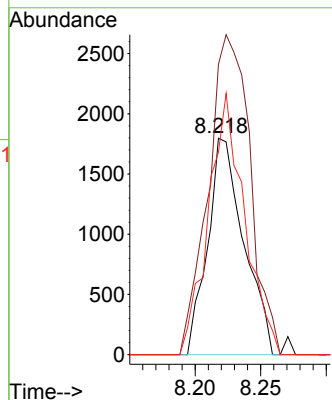
Tgt Ion: 56 Resp: 3447

Ion Ratio Lower Upper

56 100

69 134.1 24.5 36.7#

84 93.4 66.0 99.0



#32

1,1,1-Trichloroethane

Concen: 0.616 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

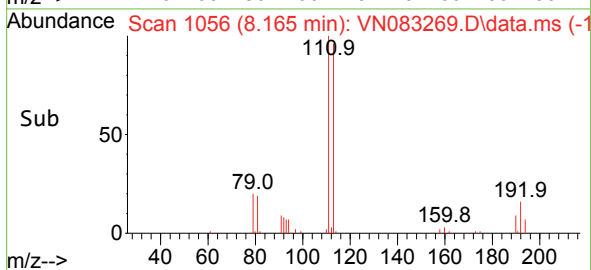
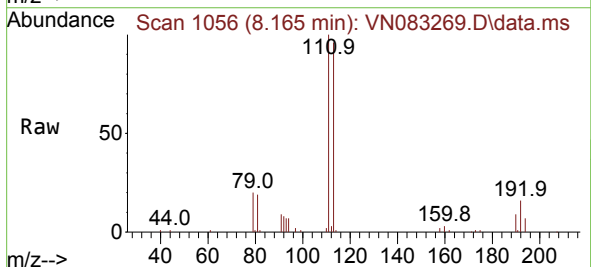
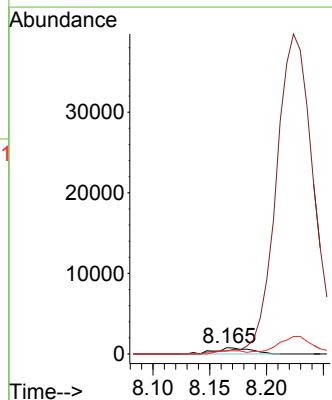
Tgt Ion: 97 Resp: 1709

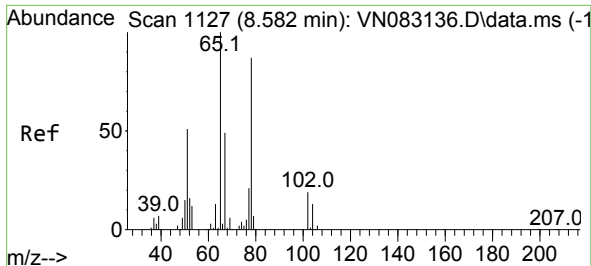
Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

61 38.6 42.1 63.1#





#33

1,2-Dichloroethane-d4

Concen: 57.158 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

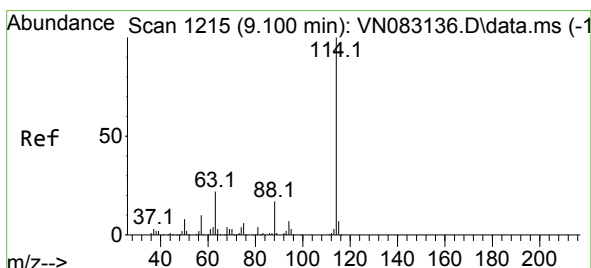
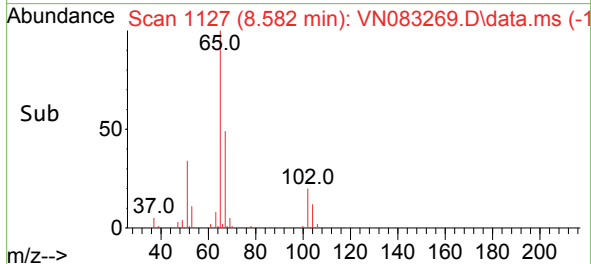
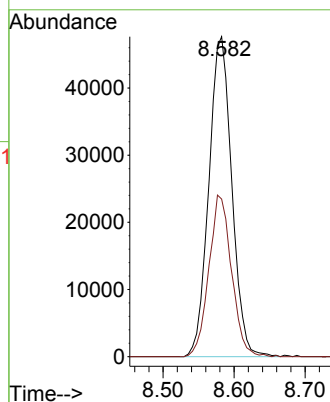
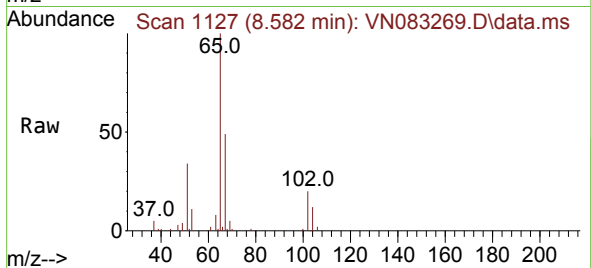
ClientSampleId :

Tgt Ion: 65 Resp: 106997

Ion Ratio Lower Upper

65 100

67 49.9 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: VN083269.D

Acq: 13 Aug 2024 19:45

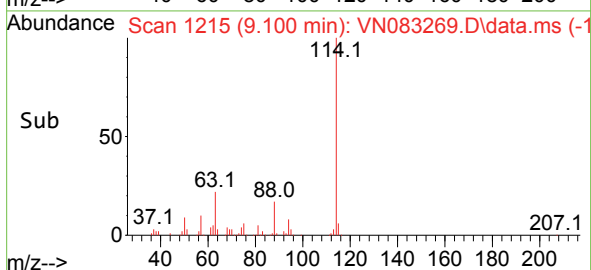
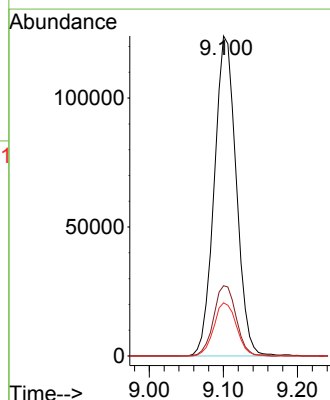
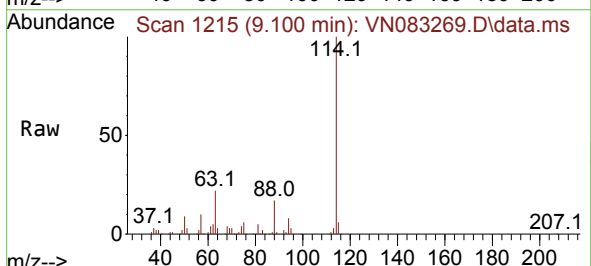
Tgt Ion: 114 Resp: 255536

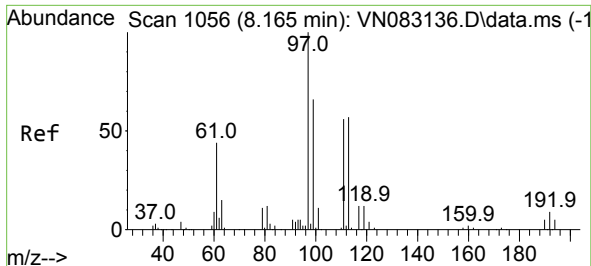
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.6

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.859 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :

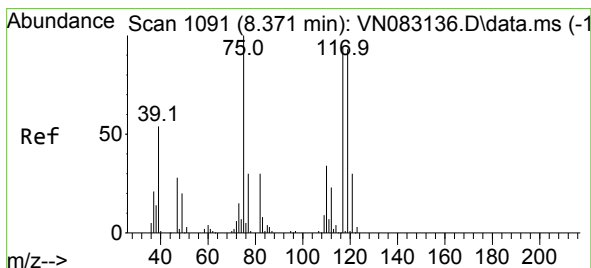
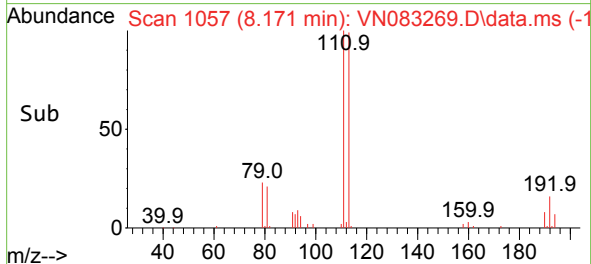
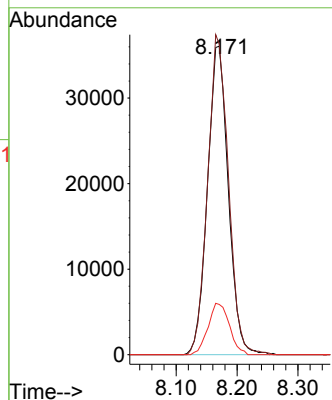
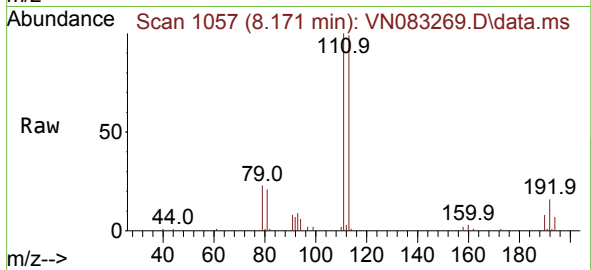
Tgt Ion:113 Resp: 85905

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 17.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

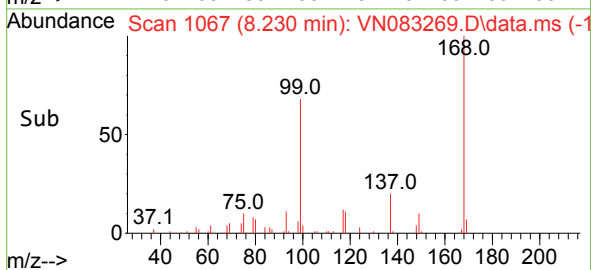
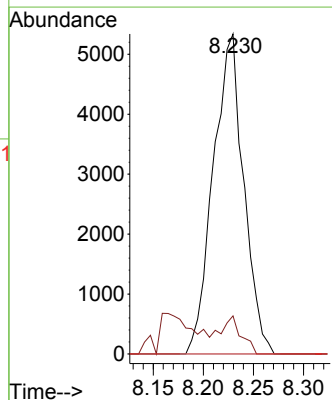
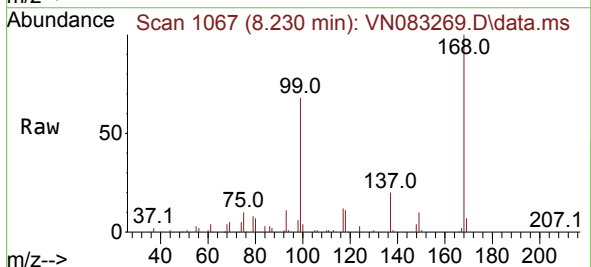
Tgt Ion: 75 Resp: 11281

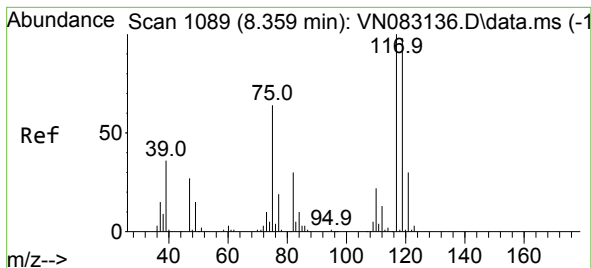
Ion Ratio Lower Upper

75 100

110 6.0 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

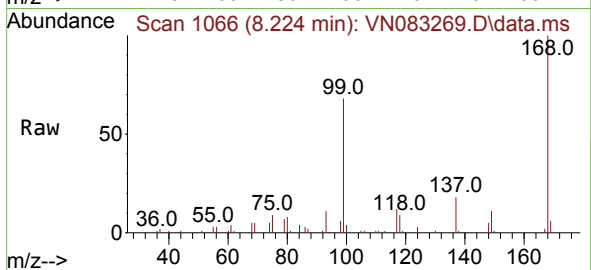
Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :



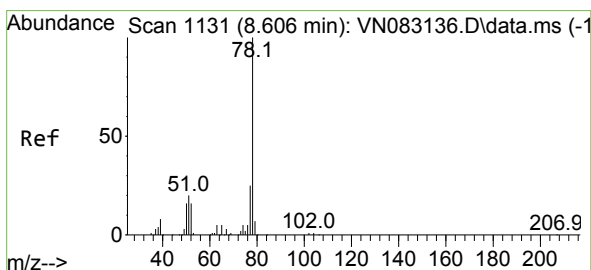
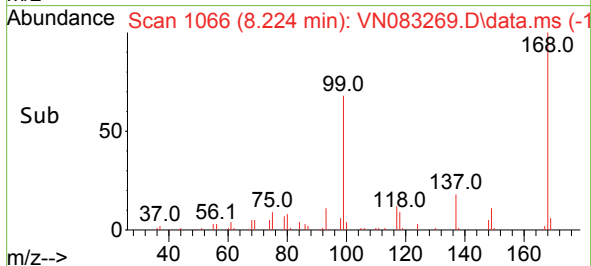
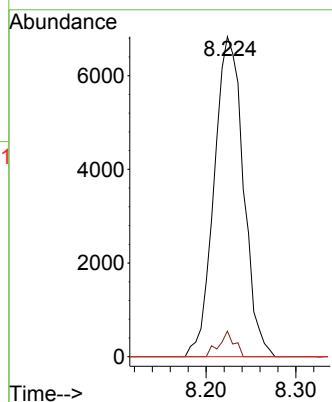
Tgt Ion:117 Resp: 15472

Ion Ratio Lower Upper

117 100

119 8.0 74.9 112.3#

121 0.0 24.3 36.5#



#40

Benzene

Concen: 0.575 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN083269.D

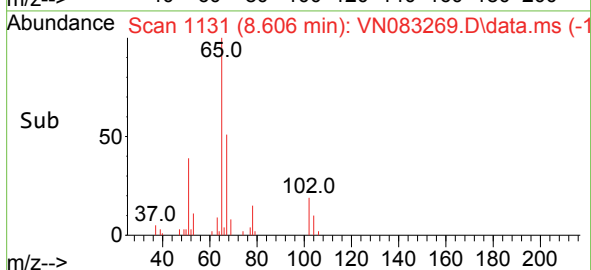
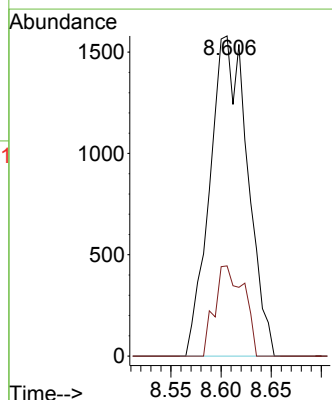
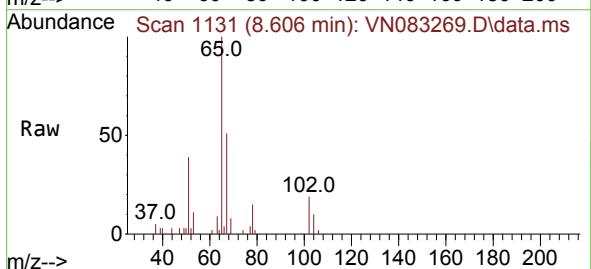
Acq: 13 Aug 2024 19:45

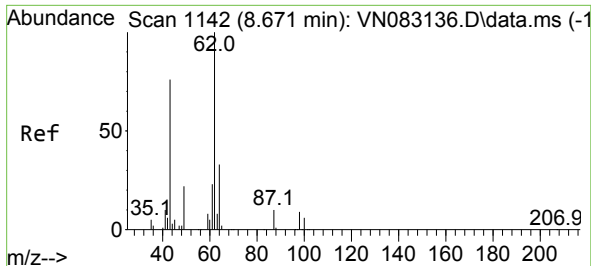
Tgt Ion: 78 Resp: 4133

Ion Ratio Lower Upper

78 100

77 28.2 19.0 28.4





#42

1,2-Dichloroethane

Concen: 0.541 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

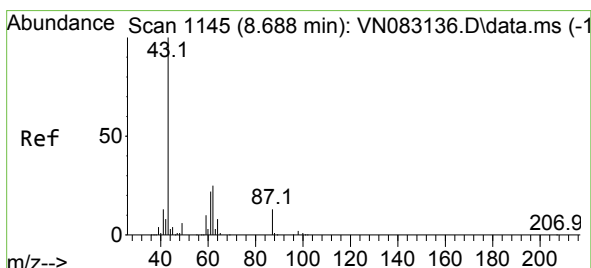
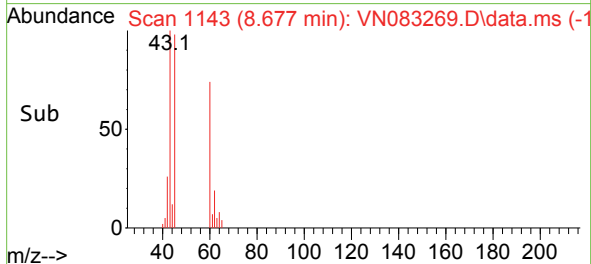
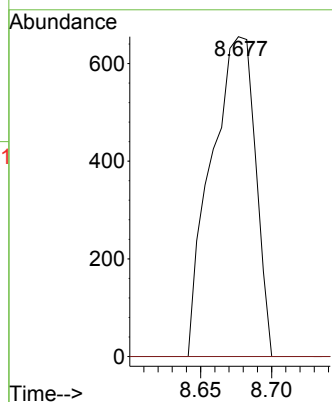
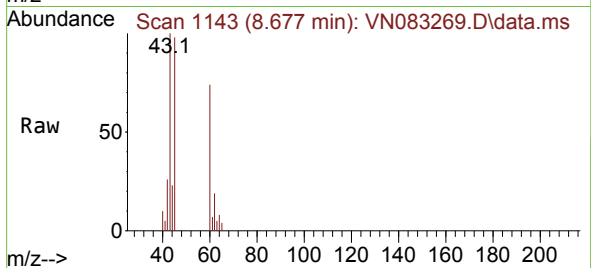
ClientSampleId :

Tgt Ion: 62 Resp: 1416

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 0.302 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.023 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

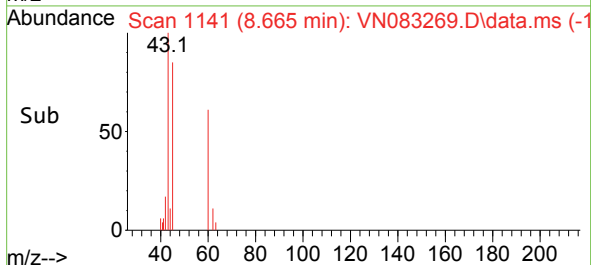
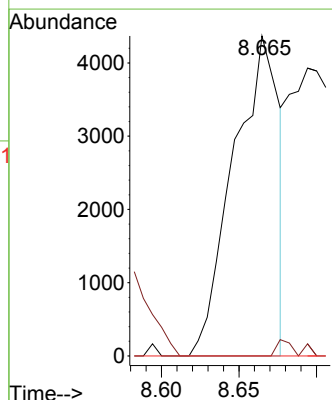
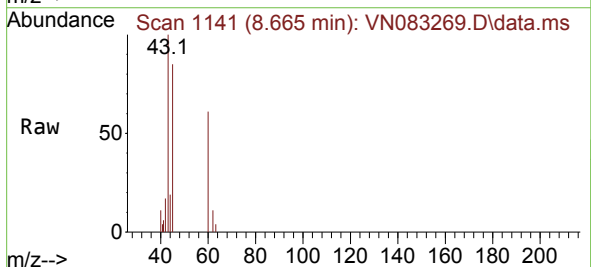
Tgt Ion: 43 Resp: 8902

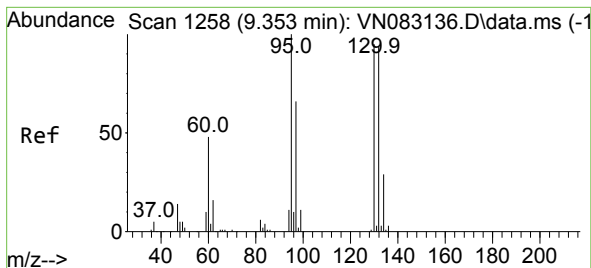
Ion Ratio Lower Upper

43 100

61 2.2 17.8 26.6#

87 0.0 8.2 12.2#





#44

Trichloroethene

Concen: 7.782 ug/l

RT: 9.353 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

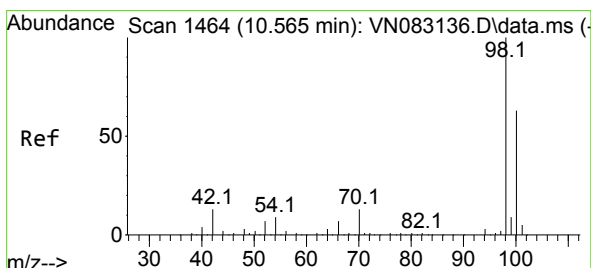
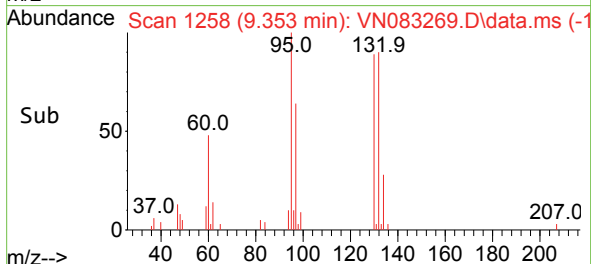
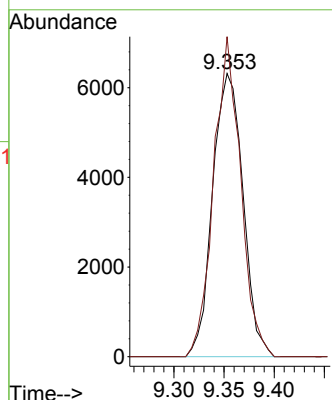
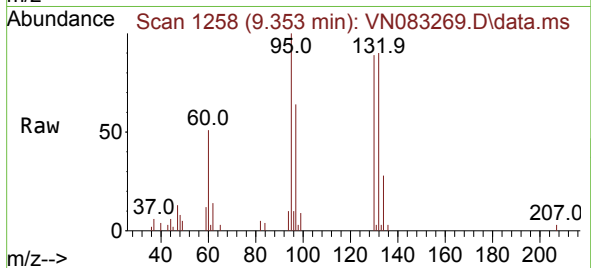
ClientSampleId :

Tgt Ion:130 Resp: 13314

Ion Ratio Lower Upper

130 100

95 113.0 0.0 197.8



#50

Toluene-d8

Concen: 53.389 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083269.D

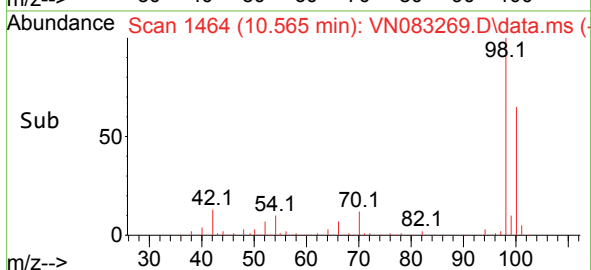
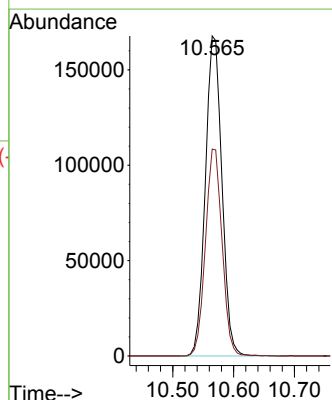
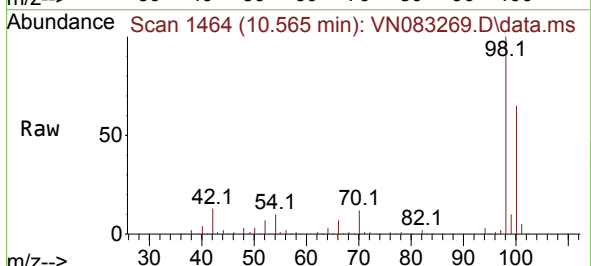
Acq: 13 Aug 2024 19:45

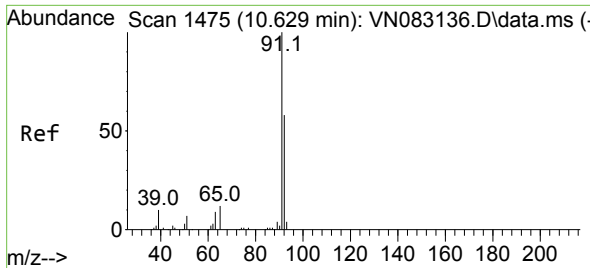
Tgt Ion: 98 Resp: 317651

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3

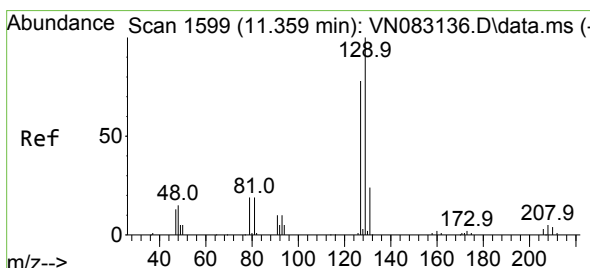
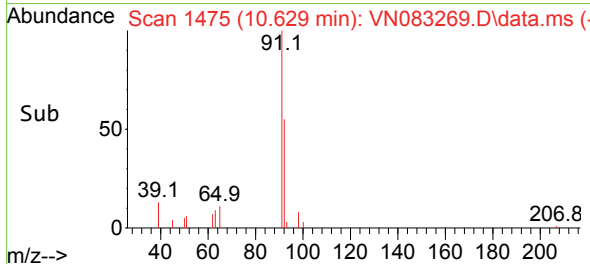
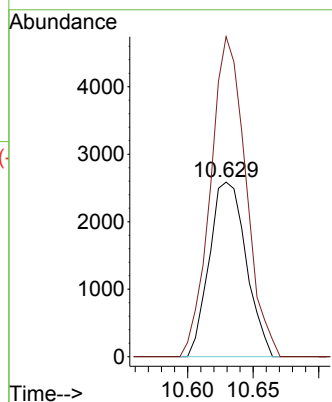
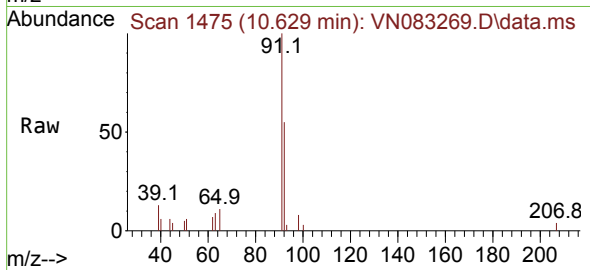




#52
Toluene
Concen: 1.109 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

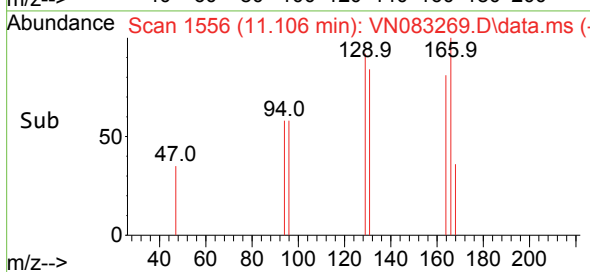
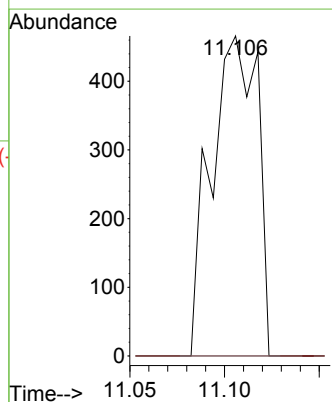
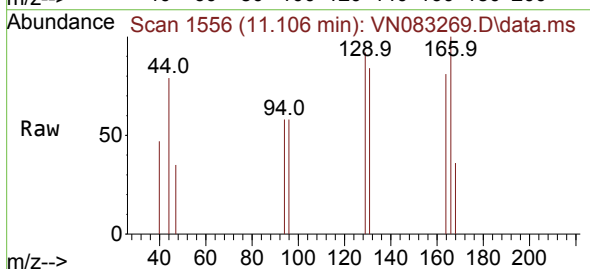
Instrument :
MSVOA_N
ClientSampleId :

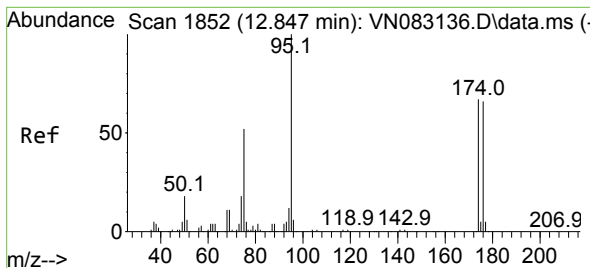
Tgt Ion: 92 Resp: 5037
Ion Ratio Lower Upper
92 100
91 176.1 139.4 209.0



#60
Dibromochloromethane
Concen: 0.404 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Tgt Ion: 129 Resp: 794
Ion Ratio Lower Upper
129 100
127 0.0 39.2 117.6#

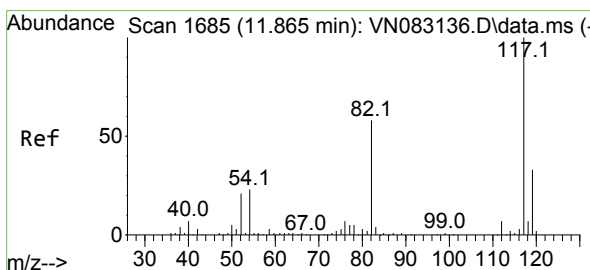
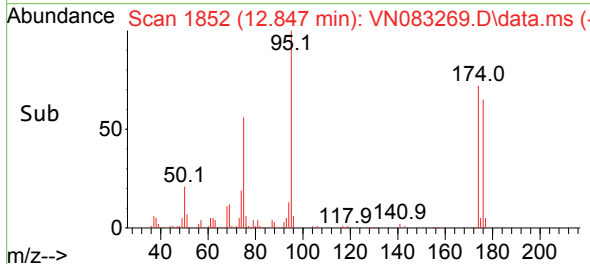
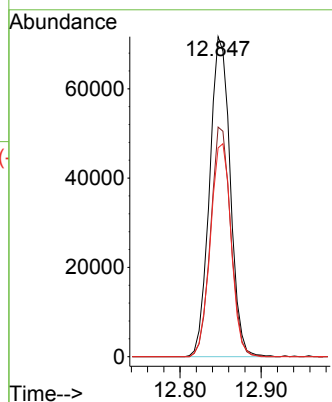
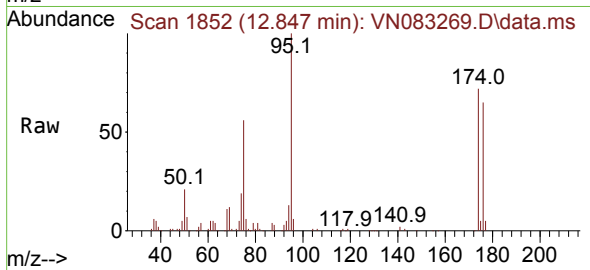




#62
4-Bromofluorobenzene
Concen: 54.482 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

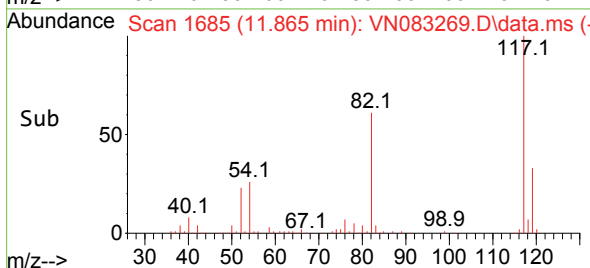
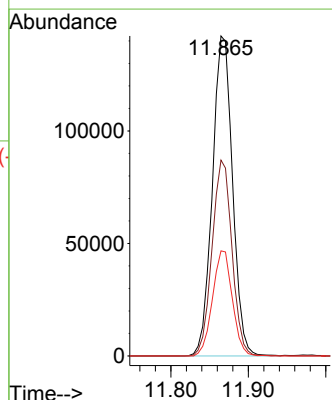
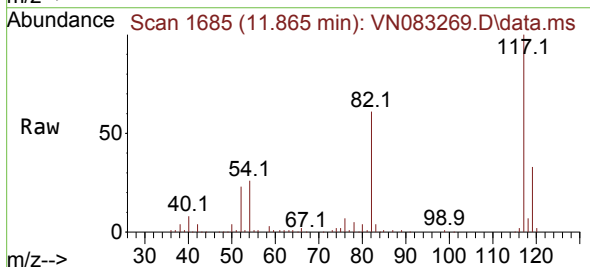
Instrument :
MSVOA_N
ClientSampleId :

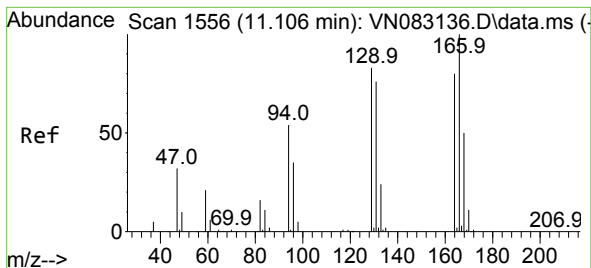
Tgt Ion: 95 Resp: 126373
Ion Ratio Lower Upper
95 100
174 69.9 0.0 159.2
176 66.9 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083269.D
Acq: 13 Aug 2024 19:45

Tgt Ion: 117 Resp: 257054
Ion Ratio Lower Upper
117 100
82 61.2 47.5 71.3
119 32.9 25.6 38.4





#64

Tetrachloroethene

Concen: 0.385 ug/l

RT: 11.100 min Scan# 1

Delta R.T. -0.006 min

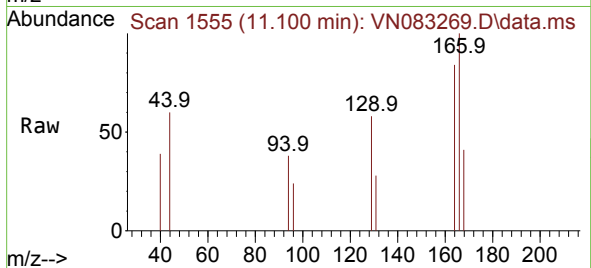
Lab File: VN083269.D

Acq: 13 Aug 2024 19:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 656

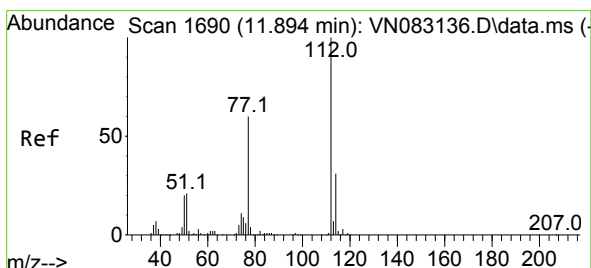
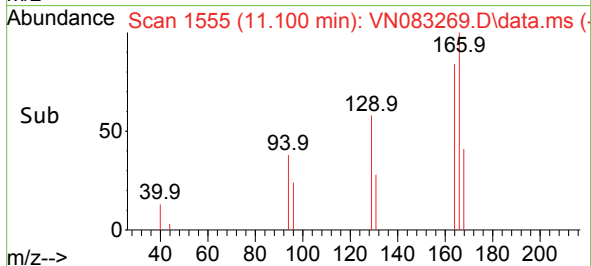
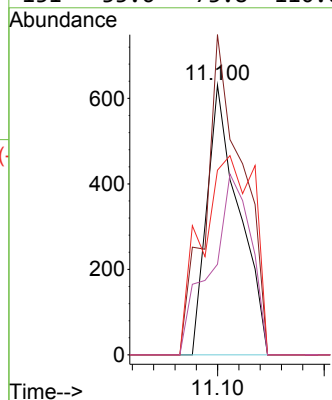
Ion Ratio Lower Upper

164 100

166 118.7 101.4 152.0

129 68.5 75.7 113.5#

131 33.6 73.8 110.6#



#65

Chlorobenzene

Concen: 0.262 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.006 min

Lab File: VN083269.D

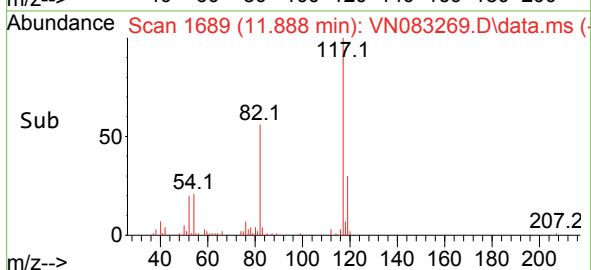
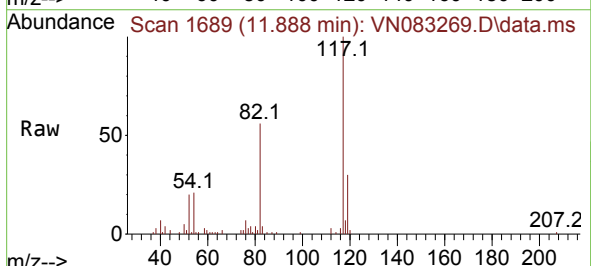
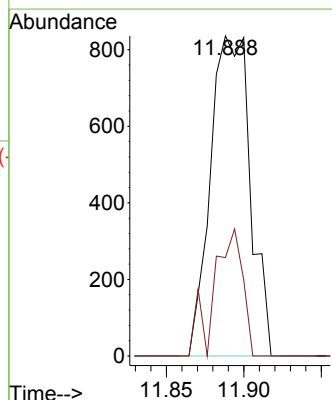
Acq: 13 Aug 2024 19:45

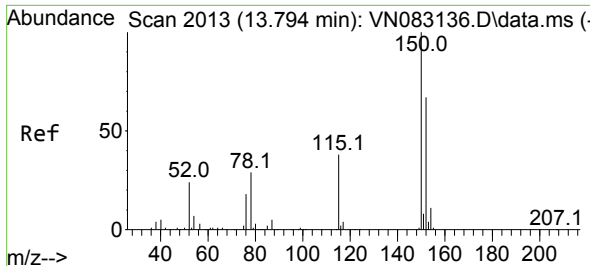
Tgt Ion:112 Resp: 1490

Ion Ratio Lower Upper

112 100

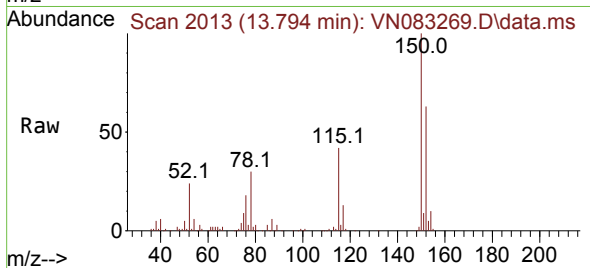
114 30.7 26.2 39.2



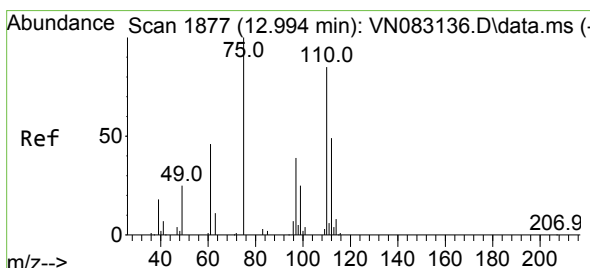
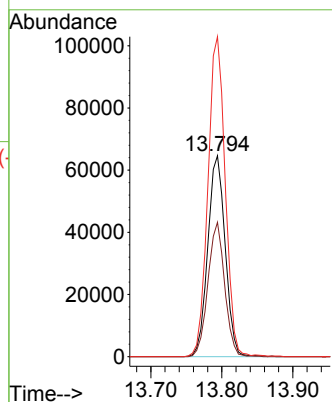
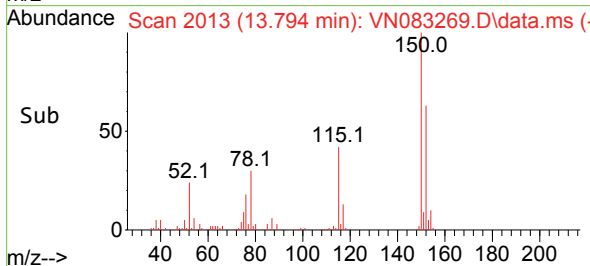


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN083269.D
 Acq: 13 Aug 2024 19:45

Instrument :
 MSVOA_N
 ClientSampleId :

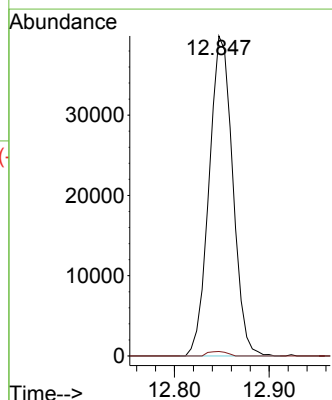
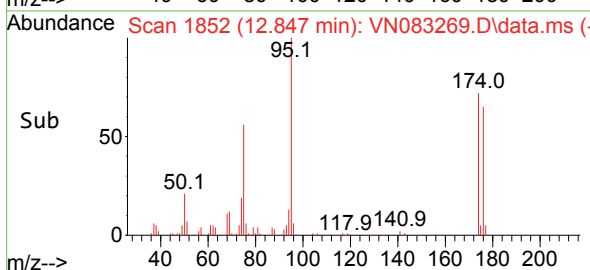
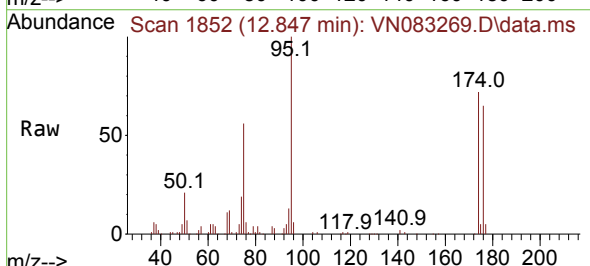


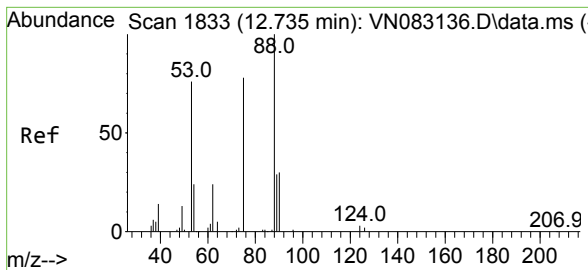
Tgt Ion:152 Resp: 110153
 Ion Ratio Lower Upper
 152 100
 115 64.2 30.6 91.6
 150 158.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 28.548 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083269.D
 Acq: 13 Aug 2024 19:45

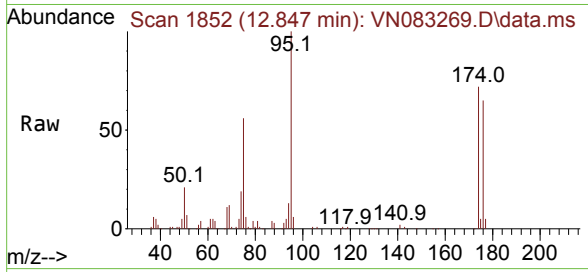
Tgt Ion: 75 Resp: 69017
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.099 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083269.D
 Acq: 13 Aug 2024 19:45

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#

