

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083267.D
 Acq On : 13 Aug 2024 18:57
 Operator : JC\MD
 Sample : P3548-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 01:48:29 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

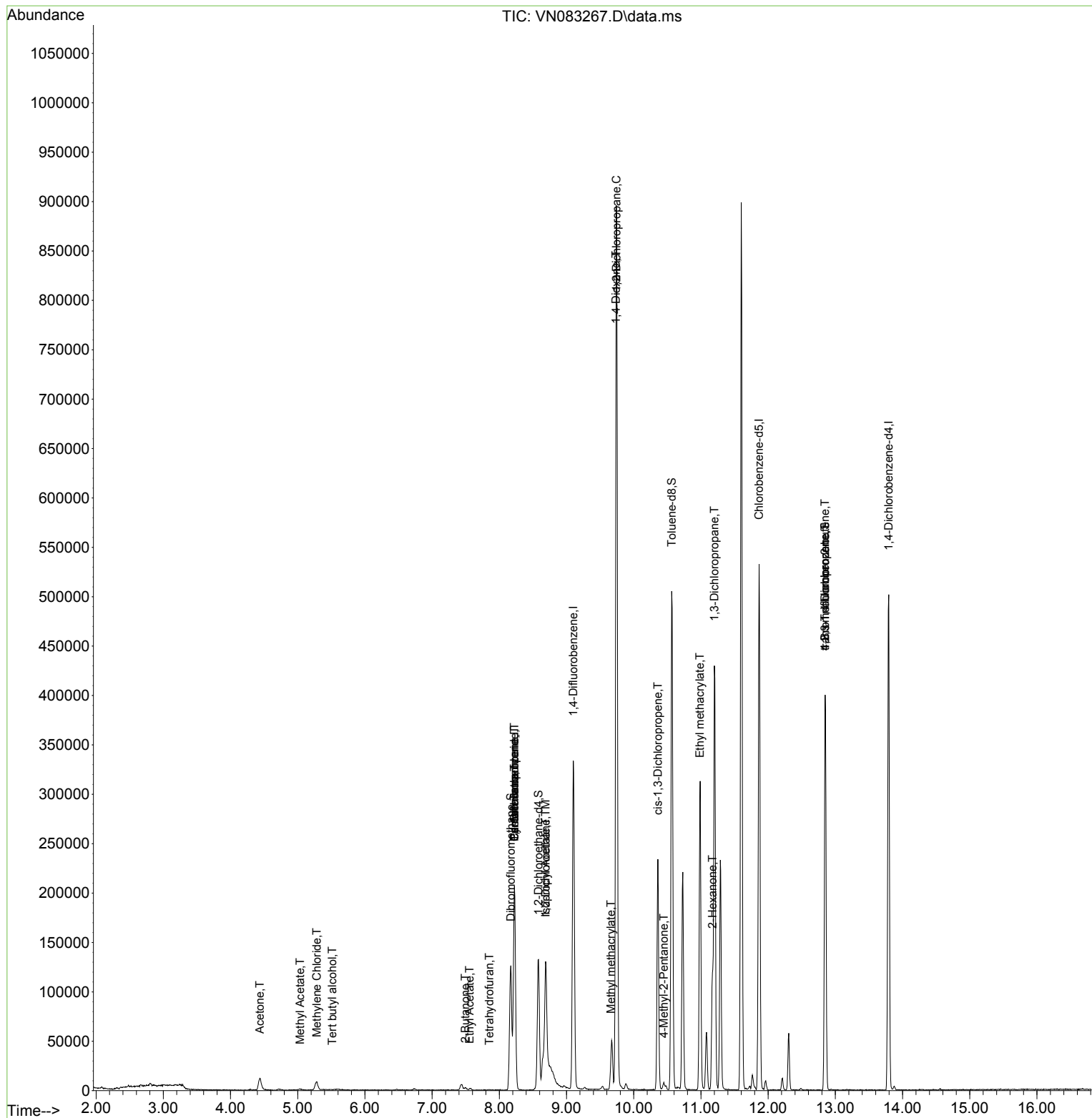
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	129857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	115241	56.824	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 113.640%		
35) Dibromofluoromethane	8.171	113	89426	51.495	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.980%		
50) Toluene-d8	10.565	98	345820	53.384	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 106.760%		
62) 4-Bromofluorobenzene	12.847	95	144885	57.369	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 114.740%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	97	0.230	ug/l #	71
16) Acetone	4.436	43	24327	30.655	ug/l #	89
18) Methyl Acetate	5.036	43	2392	1.012	ug/l #	71
20) Methylene Chloride	5.283	84	6186	3.387	ug/l	95
25) 2-Butanone	7.494	43	4162	3.416	ug/l	91
29) Tetrahydrofuran	7.853	42	477	0.606	ug/l #	38
31) Cyclohexane	8.224	56	3733	1.242	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	12741	4.850	ug/l #	52
37) Ethyl Acetate	7.559	43	3076	1.046	ug/l #	80
38) Carbon Tetrachloride	8.224	117	16341	5.523	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	806	0.283	ug/l #	78
43) Isopropyl Acetate	8.688	43	187800	36.010	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1165	0.627	ug/l #	44
48) Methyl methacrylate	9.659	41	3456	1.421	ug/l #	47
49) 1,4-Dioxane	9.735	88	126	2.872	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4644	1.670	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	41568	12.743	ug/l #	56
56) Ethyl methacrylate	10.982	69	888	0.266	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4596	1.455	ug/l #	43
59) 2-Hexanone	11.171	43	97735	45.419	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	78894	27.682	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78894	60.214	ug/l #	6

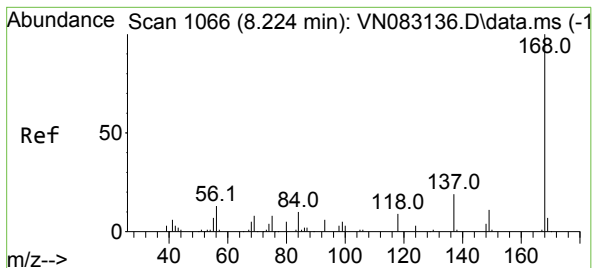
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

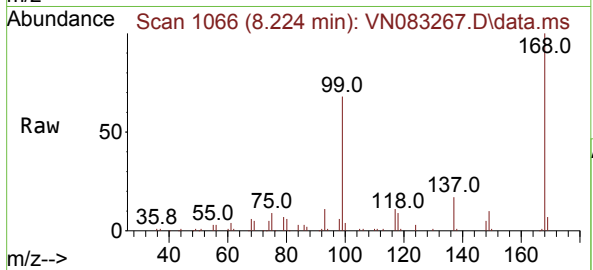
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

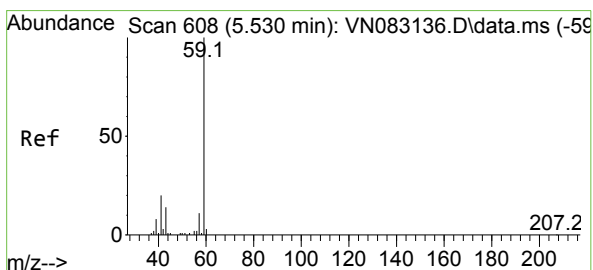
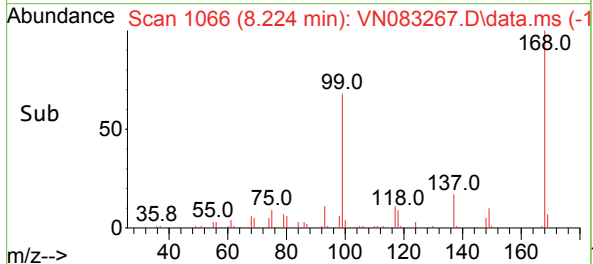
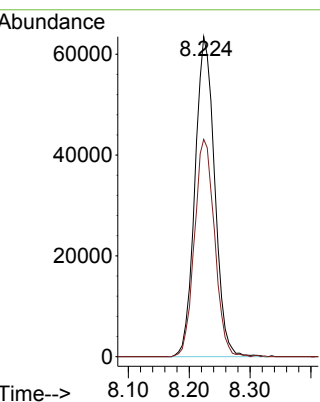


Tgt Ion:168 Resp: 142480

Ion Ratio Lower Upper

168 100

99 67.9 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.230 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.018 min

Lab File: VN083267.D

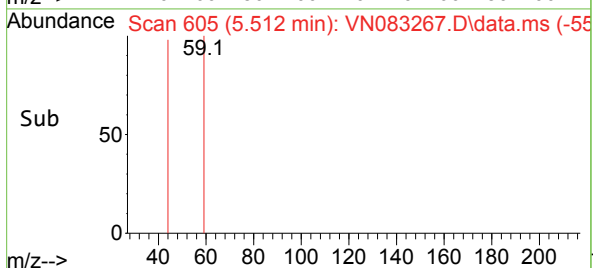
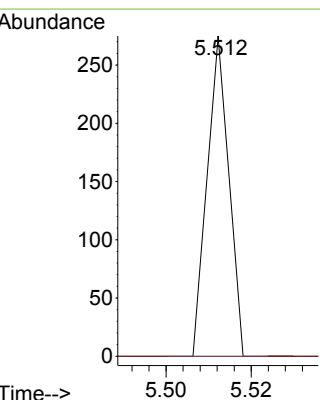
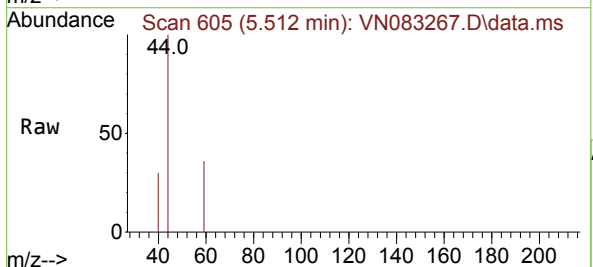
Acq: 13 Aug 2024 18:57

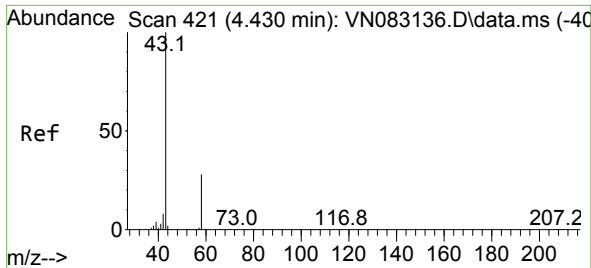
Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#

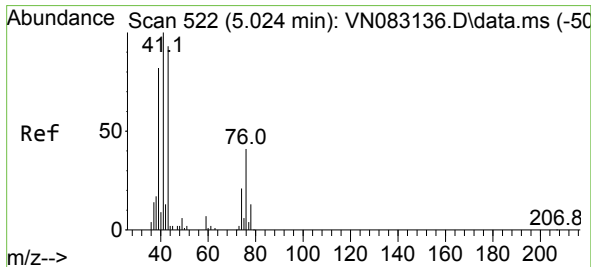
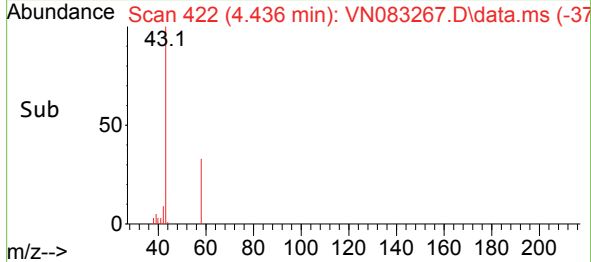
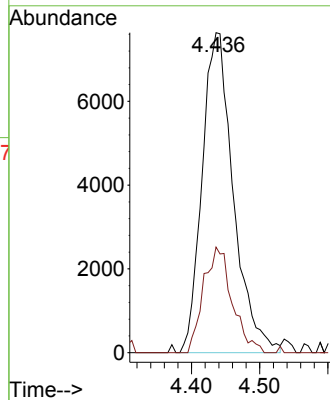
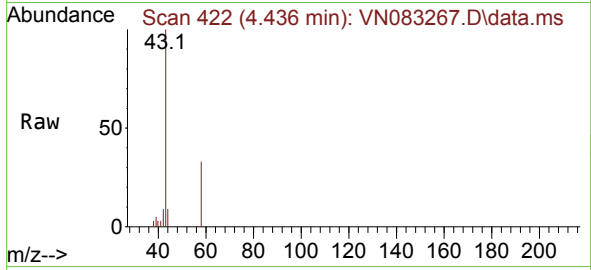




#16
Acetone
Concen: 30.655 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

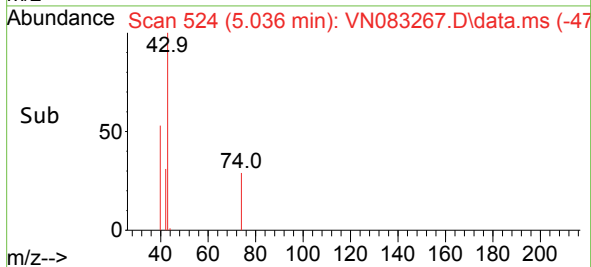
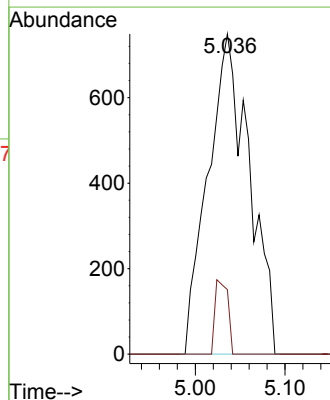
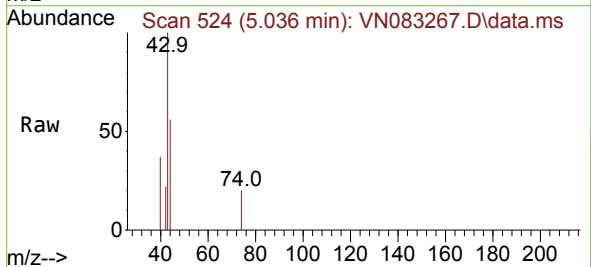
Instrument :
MSVOA_N
ClientSampleId :

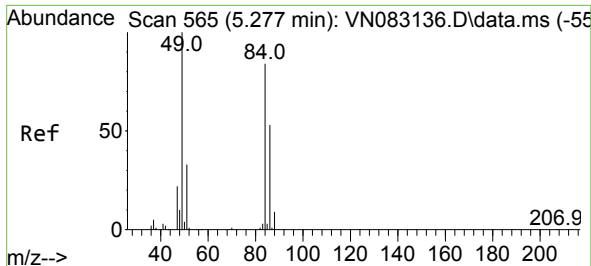
Tgt Ion: 43 Resp: 24327
Ion Ratio Lower Upper
43 100
58 33.0 21.8 32.6#



#18
Methyl Acetate
Concen: 1.012 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

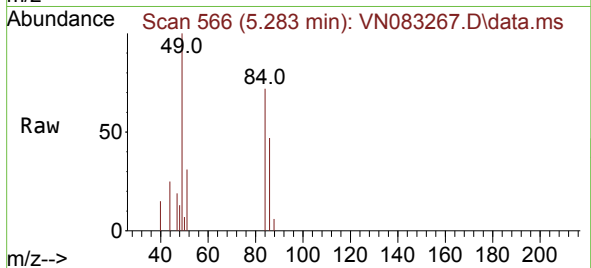
Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 7.2 16.3 24.5#



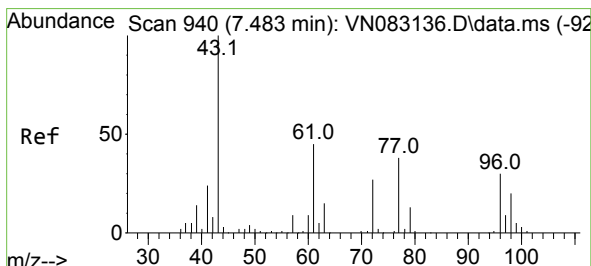
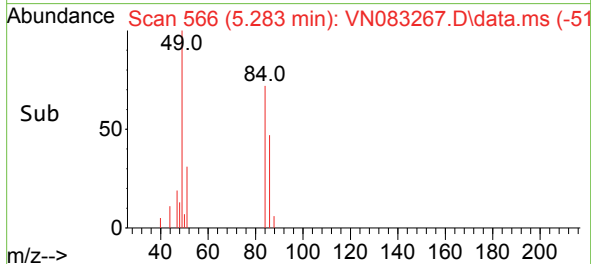
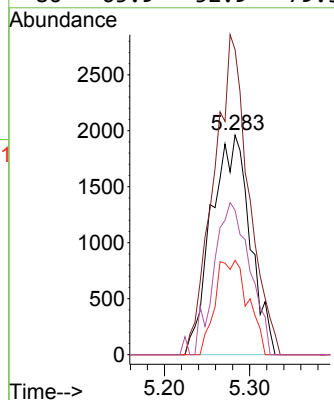


#20
Methylene Chloride
Concen: 3.387 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

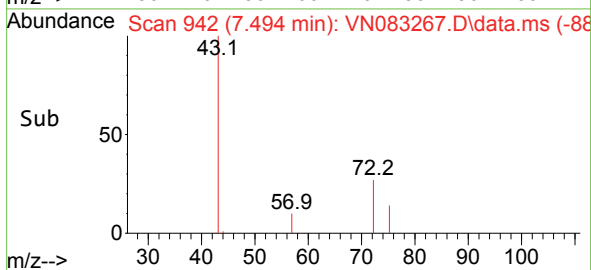
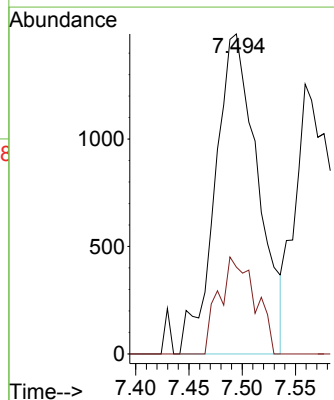
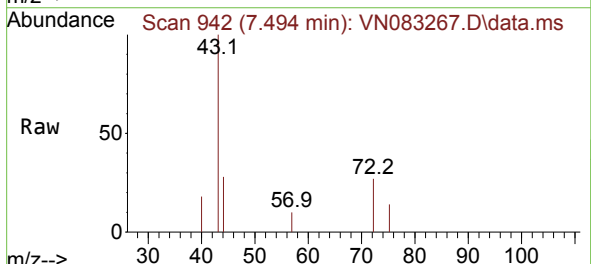


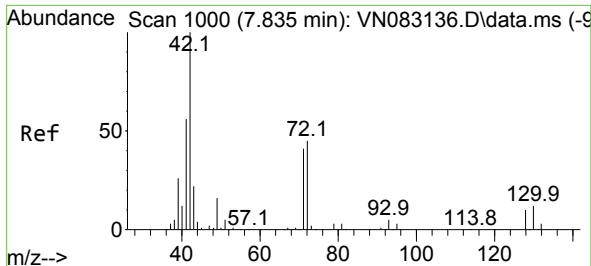
Tgt Ion:	84	Resp:	6186
Ion	Ratio	Lower	Upper
84	100		
49	139.0	119.6	179.4
51	43.0	34.8	52.2
86	65.9	52.9	79.3



#25
2-Butanone
Concen: 3.416 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

Tgt Ion:	43	Resp:	4162
Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.606 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

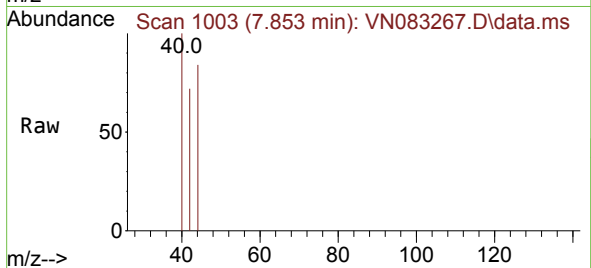
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

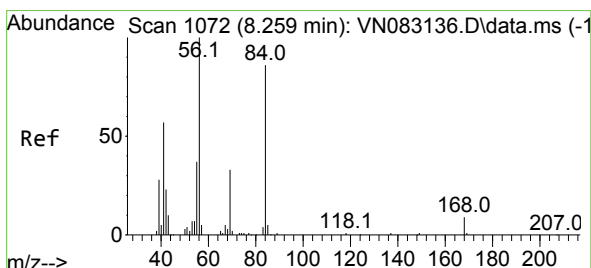
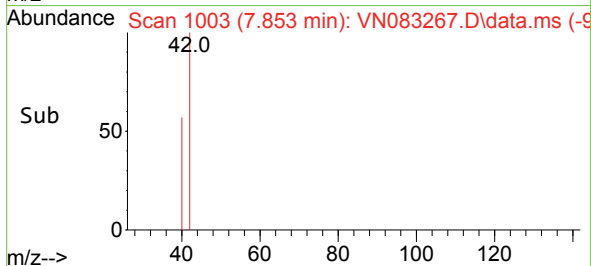
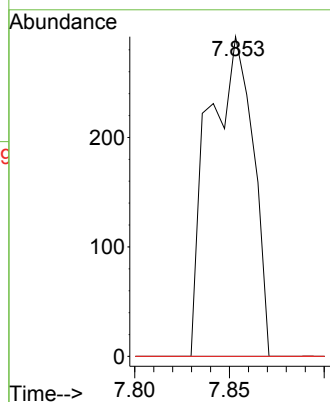
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	477
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.242 ug/l

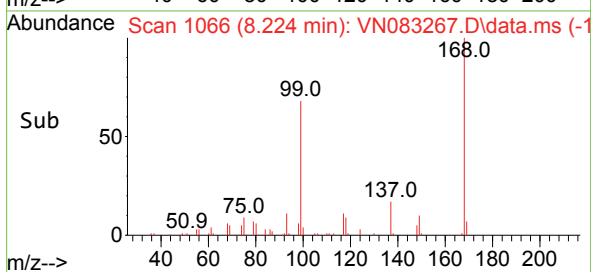
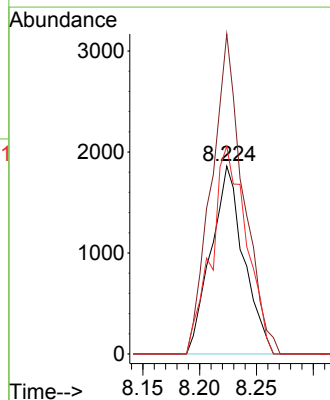
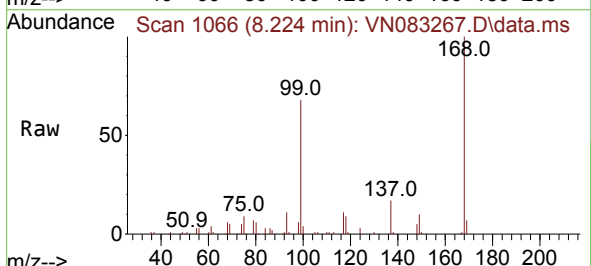
RT: 8.224 min Scan# 1066

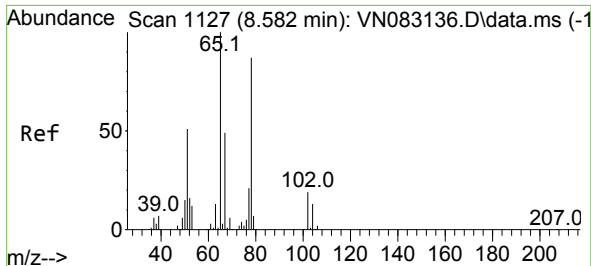
Delta R.T. -0.035 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Tgt Ion:	56	Resp:	3733
Ion Ratio	Lower	Upper	
56	100		
69	170.4	24.5	36.7#
84	110.5	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.824 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

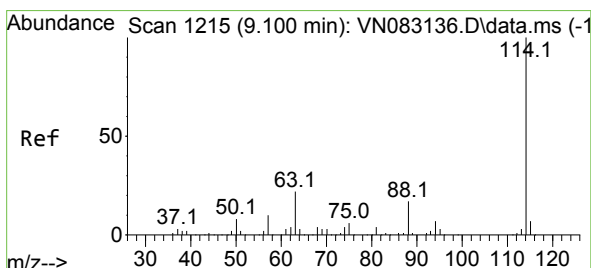
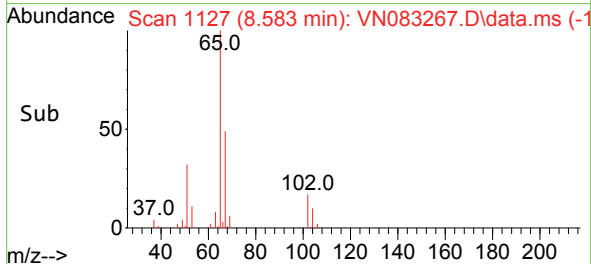
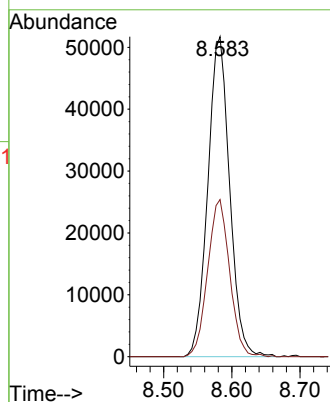
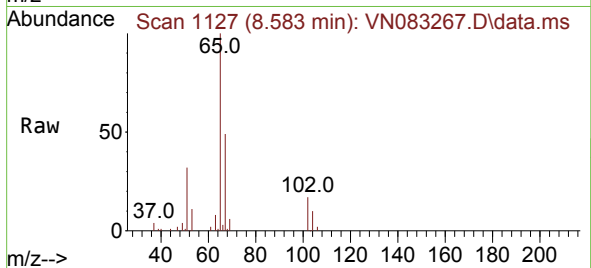
ClientSampleId :

Tgt Ion: 65 Resp: 115241

Ion Ratio Lower Upper

65 100

67 49.5 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: VN083267.D

Acq: 13 Aug 2024 18:57

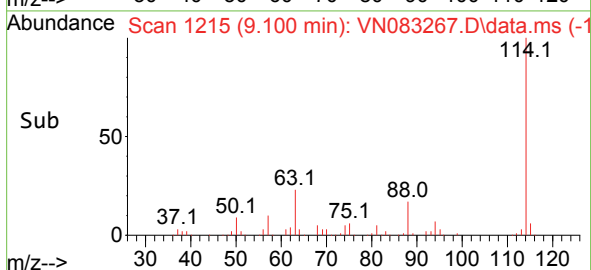
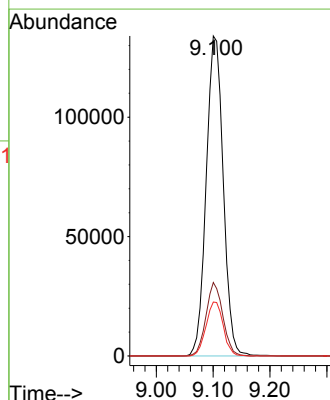
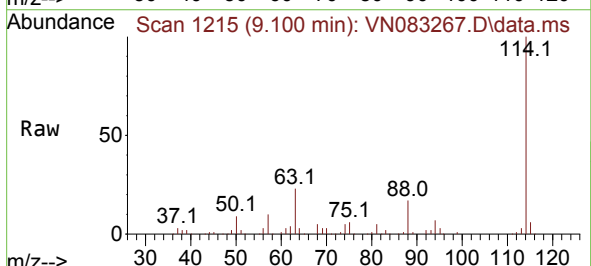
Tgt Ion: 114 Resp: 278222

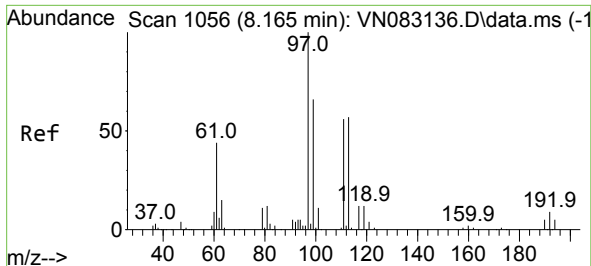
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.495 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

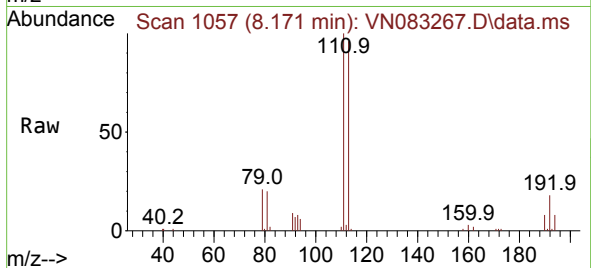
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

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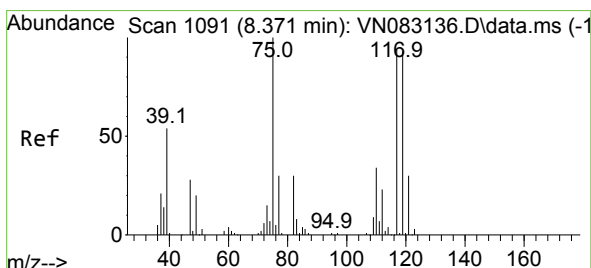
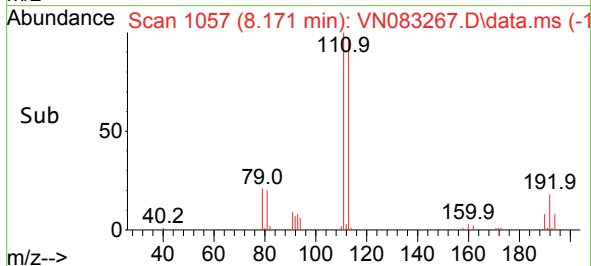
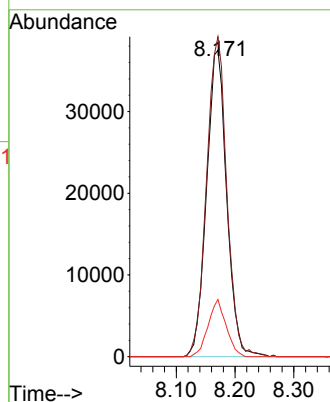
Tgt Ion:113 Resp: 89426

Ion Ratio Lower Upper

113 100

111 104.9 82.4 123.6

192 16.7 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.850 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

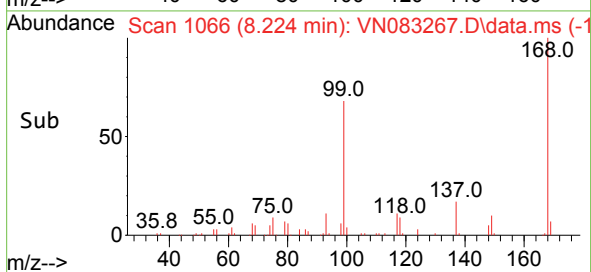
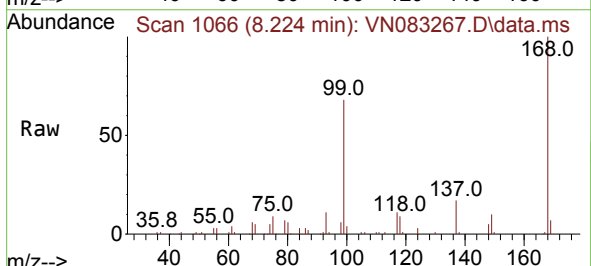
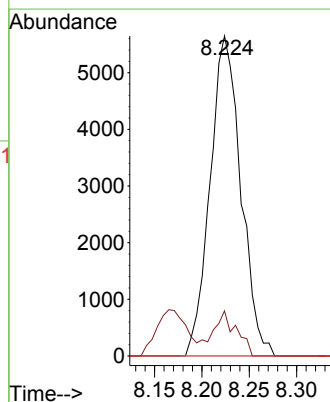
Tgt Ion: 75 Resp: 12741

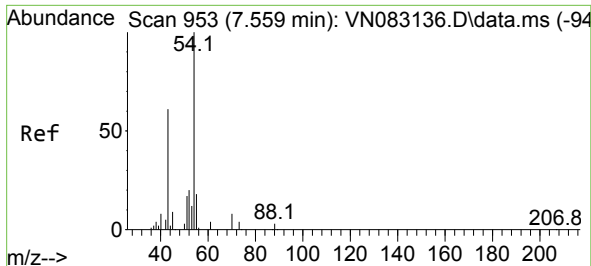
Ion Ratio Lower Upper

75 100

110 9.5 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.046 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

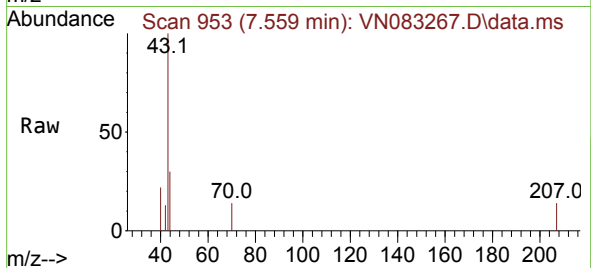
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :



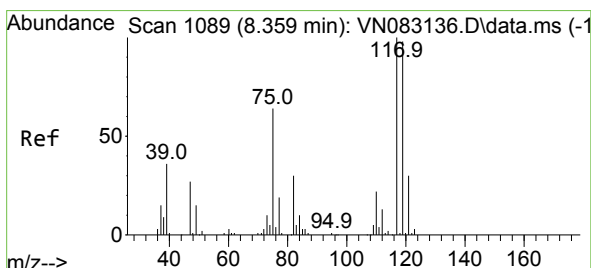
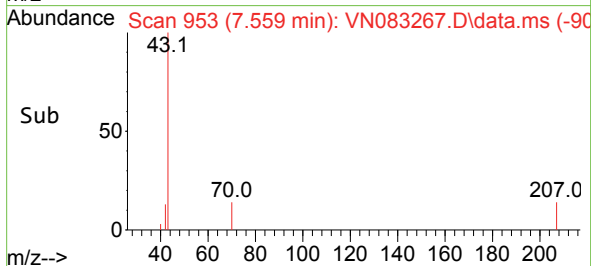
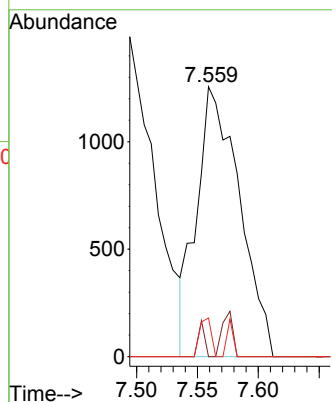
Tgt Ion: 43 Resp: 3076

Ion Ratio Lower Upper

43 100

61 1.9 9.3 13.9#

70 3.9 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

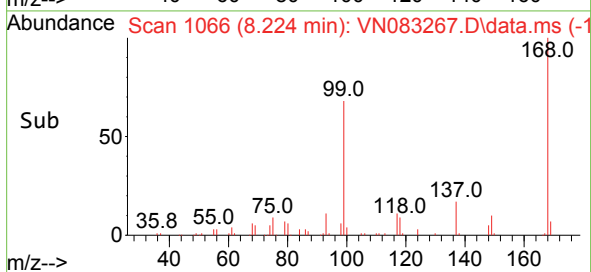
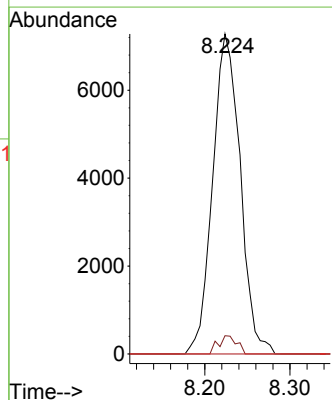
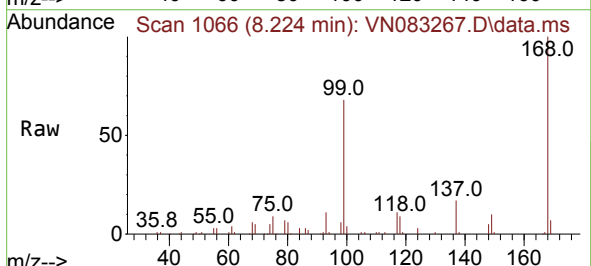
Tgt Ion: 117 Resp: 16341

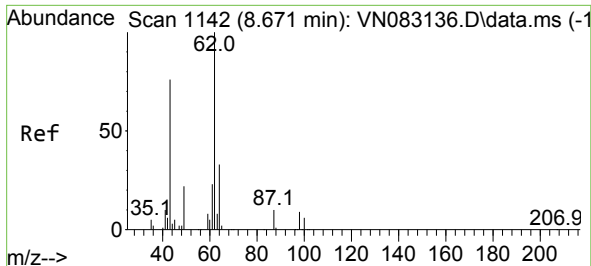
Ion Ratio Lower Upper

117 100

119 5.7 74.9 112.3#

121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

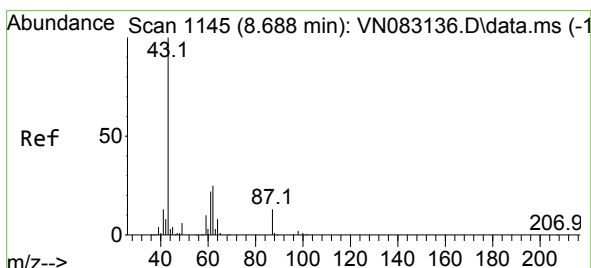
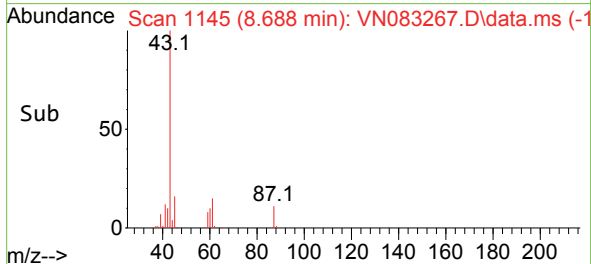
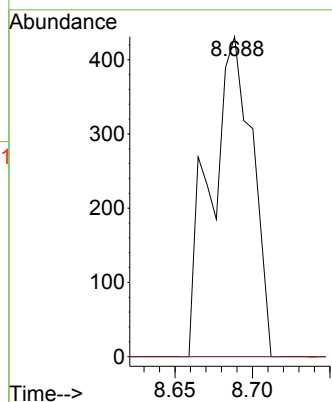
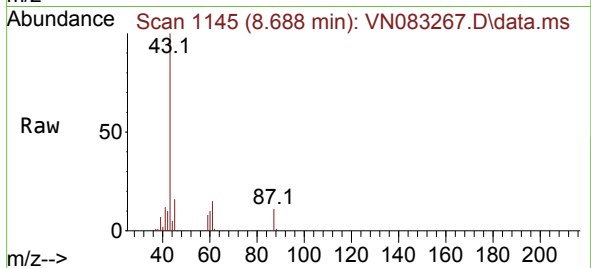
ClientSampleId :

Tgt Ion: 62 Resp: 806

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 36.010 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

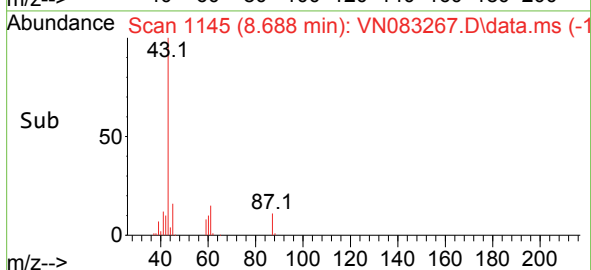
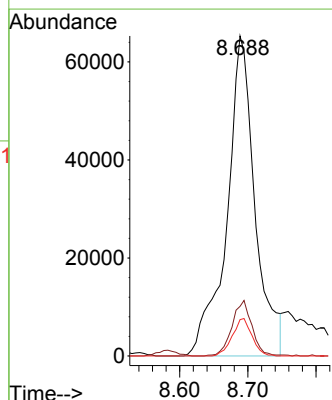
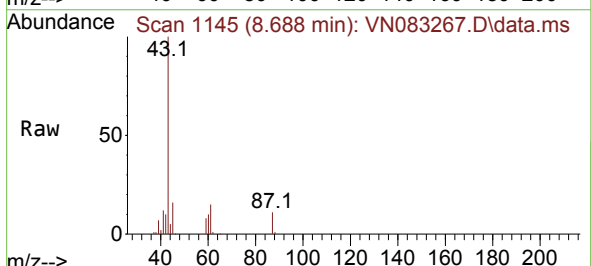
Tgt Ion: 43 Resp: 187800

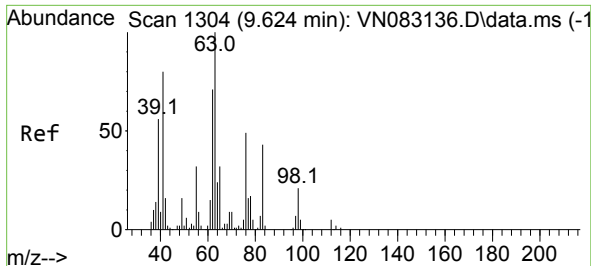
Ion Ratio Lower Upper

43 100

61 12.4 17.8 26.6#

87 8.1 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.627 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

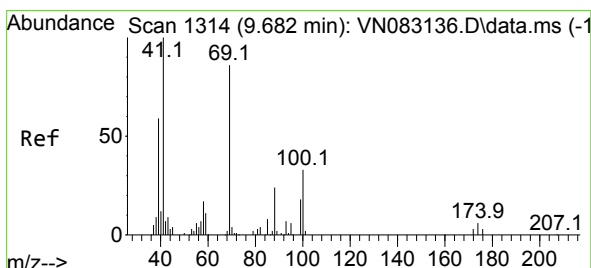
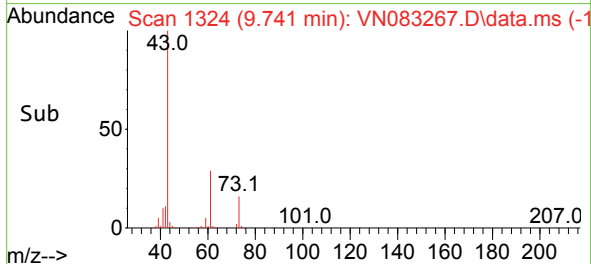
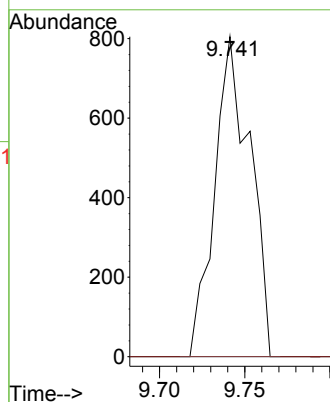
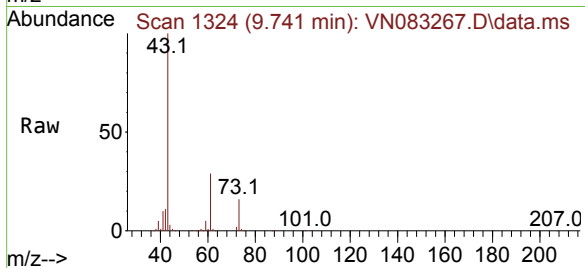
ClientSampleId :

Tgt Ion: 63 Resp: 1165

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.421 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.023 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

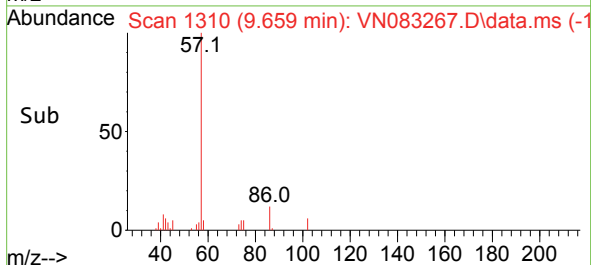
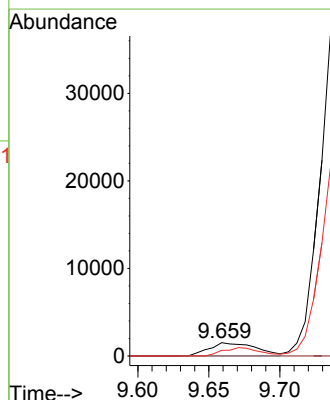
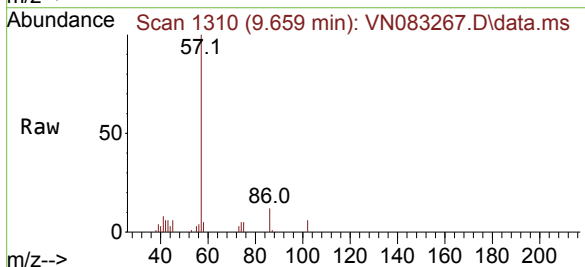
Tgt Ion: 41 Resp: 3456

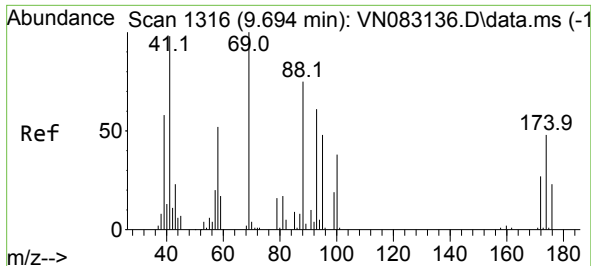
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 49.3 50.3 75.5#





#49

1,4-Dioxane

Concen: 2.872 ug/l

RT: 9.735 min Scan# 1316

Delta R.T. 0.041 min

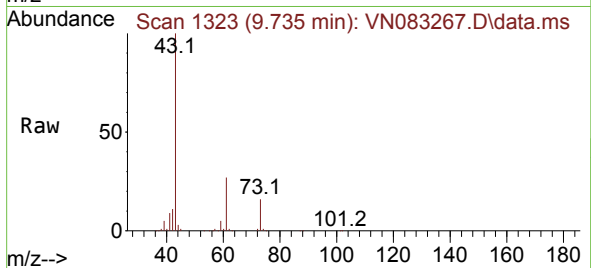
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :



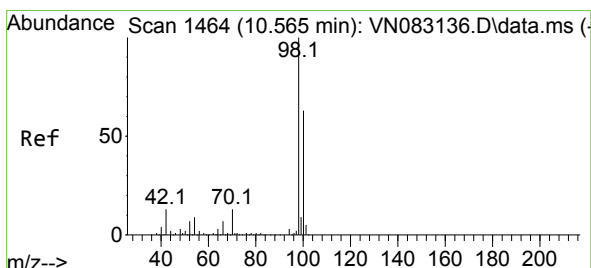
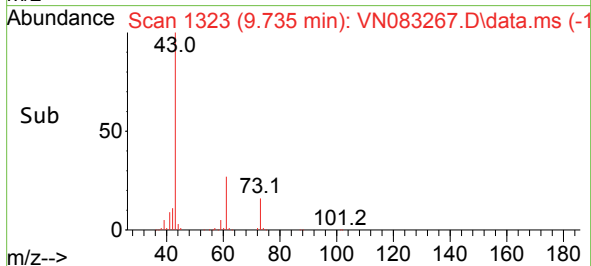
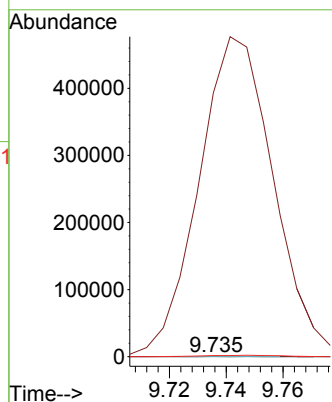
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

88 100

43 696256.3 27.8 41.8#

58 3129.4 59.4 89.0#



#50

Toluene-d8

Concen: 53.384 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083267.D

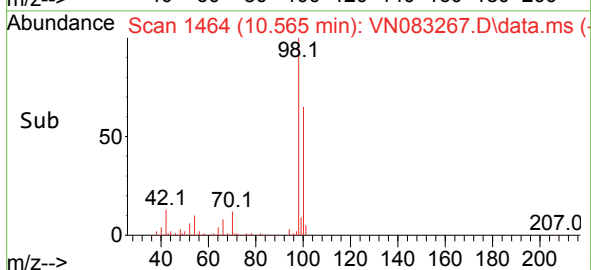
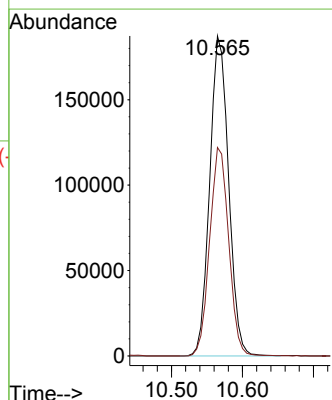
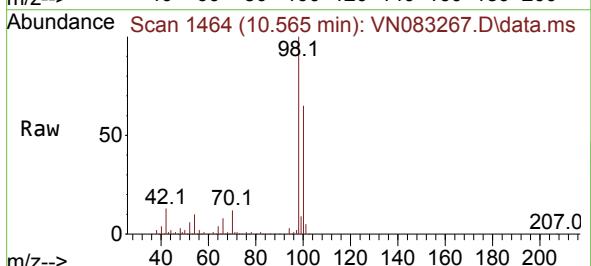
Acq: 13 Aug 2024 18:57

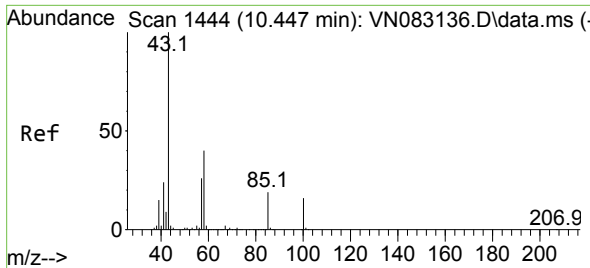
Tgt Ion: 98 Resp: 345820

Ion Ratio Lower Upper

98 100

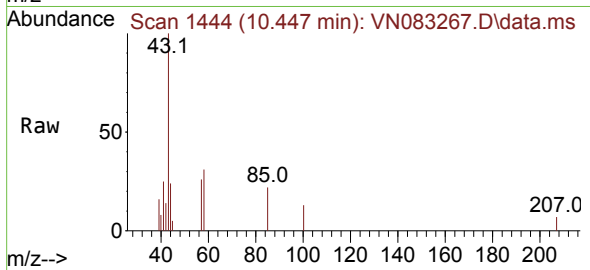
100 65.8 51.5 77.3



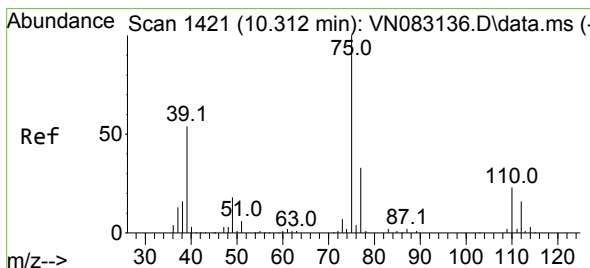
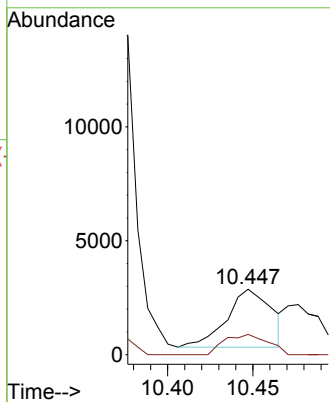
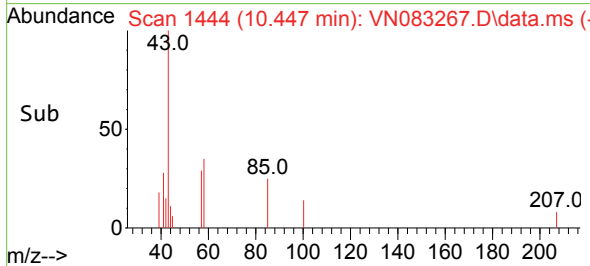


#51
4-Methyl-2-Pentanone
Concen: 1.670 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

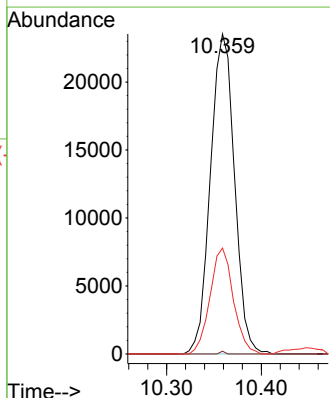
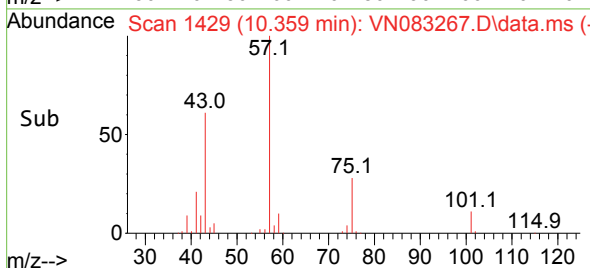
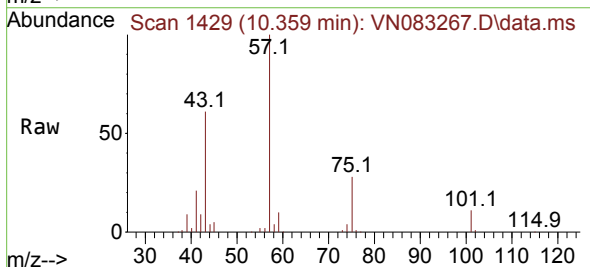


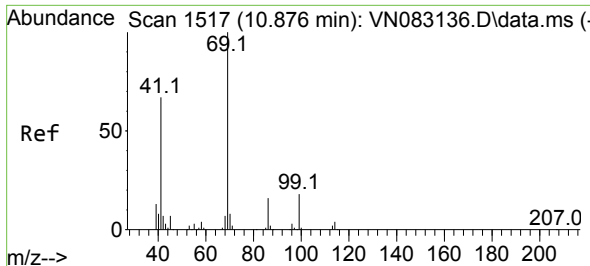
Tgt Ion: 43 Resp: 4644
Ion Ratio Lower Upper
43 100
58 34.1 28.2 42.4



#54
cis-1,3-Dichloropropene
Concen: 12.743 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

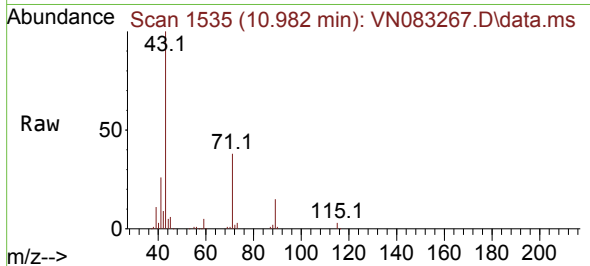
Tgt Ion: 75 Resp: 41568
Ion Ratio Lower Upper
75 100
77 0.9 24.3 36.5#
39 33.1 50.5 75.7#



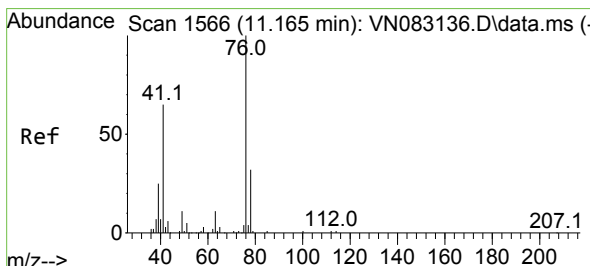
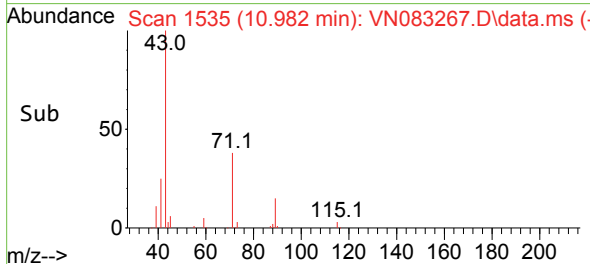
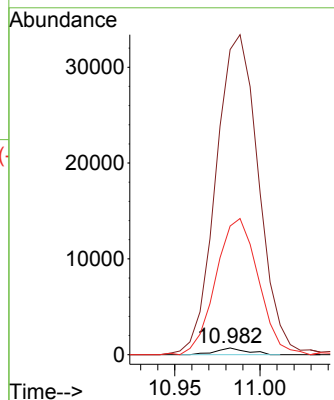


#56
Ethyl methacrylate
Concen: 0.266 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

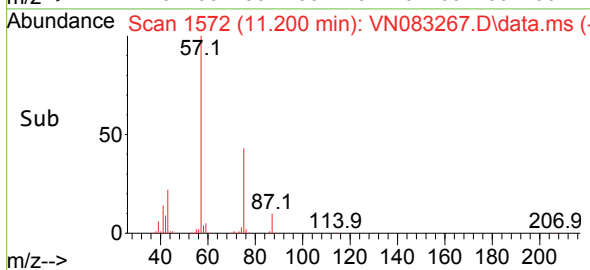
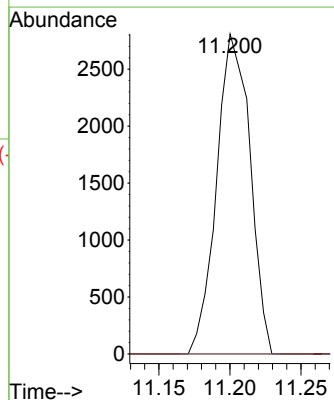
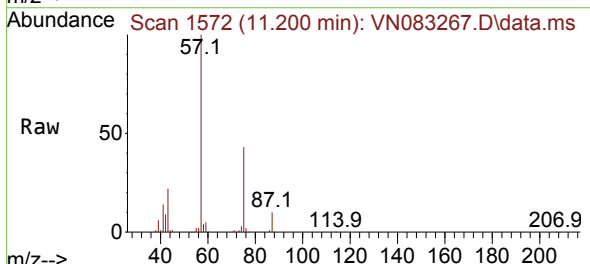


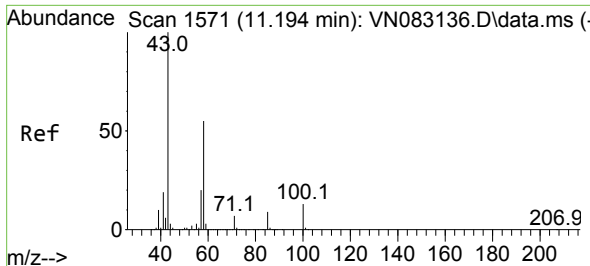
Tgt Ion: 69 Resp: 888
Ion Ratio Lower Upper
69 100
41 6592.3 63.4 95.2#
39 2782.2 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.455 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

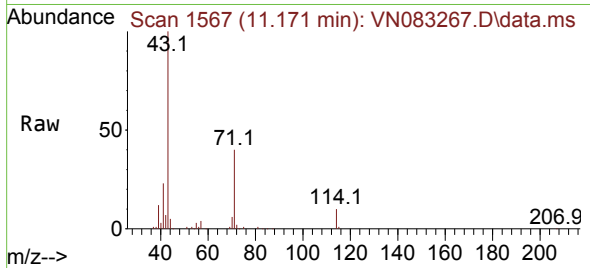
Tgt Ion: 76 Resp: 4596
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



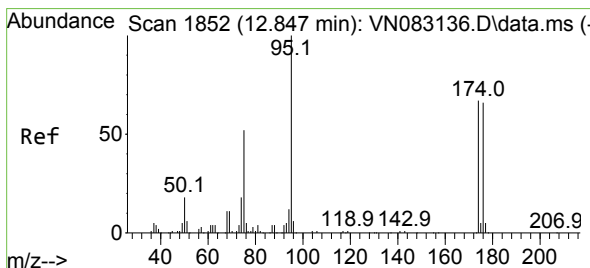
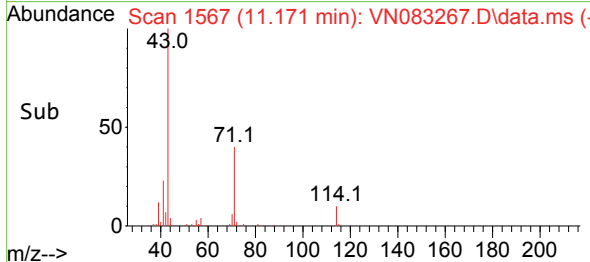
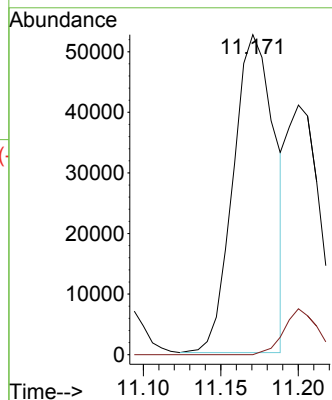


#59
2-Hexanone
Concen: 45.419 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

Instrument :
MSVOA_N
ClientSampleId :

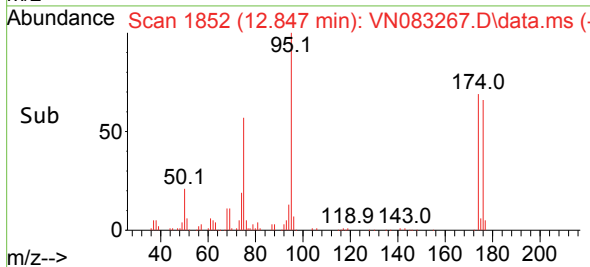
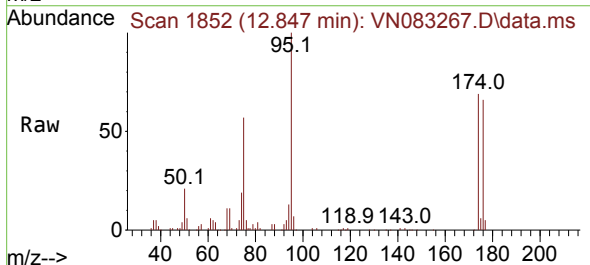
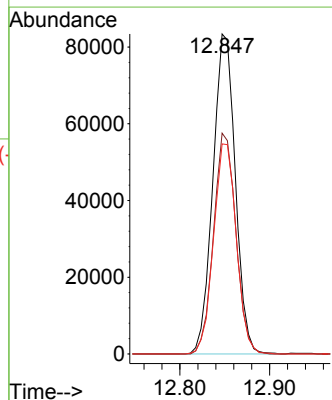


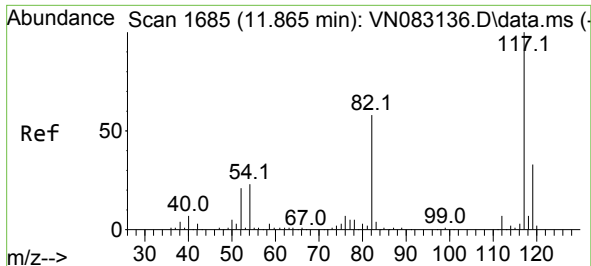
Tgt Ion: 43 Resp: 97735
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 57.369 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

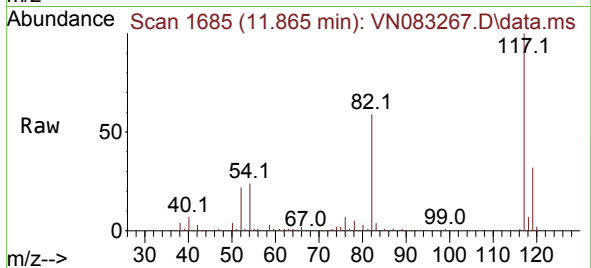
Tgt Ion: 95 Resp: 144885
Ion Ratio Lower Upper
95 100
174 68.6 0.0 159.2
176 66.7 0.0 147.6



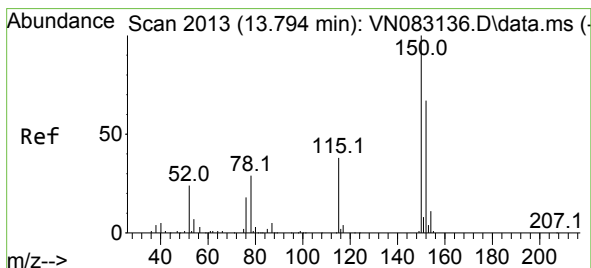
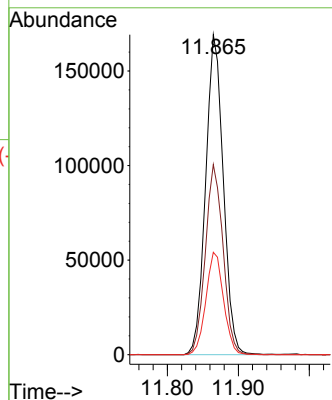
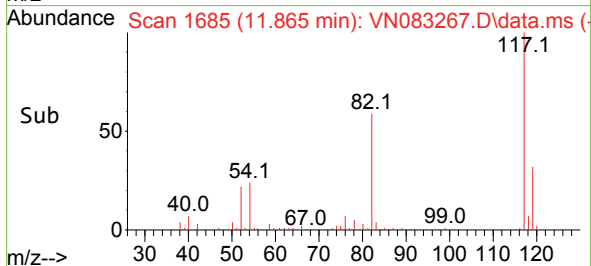


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57

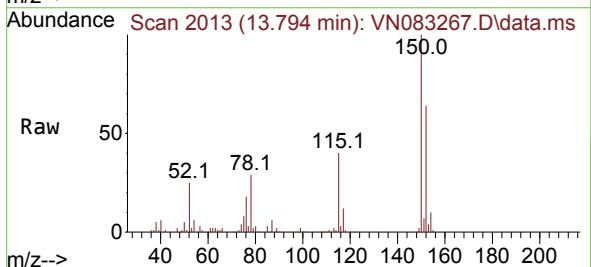
Instrument :
MSVOA_N
ClientSampleId :



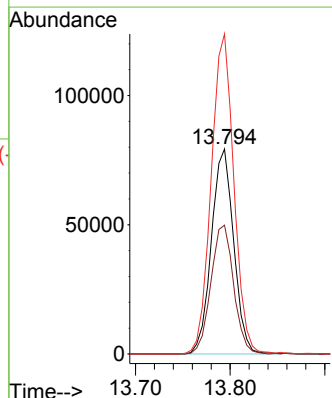
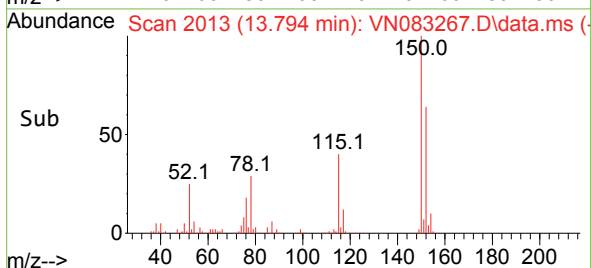
Tgt Ion:117 Resp: 292948
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 32.0 25.6 38.4

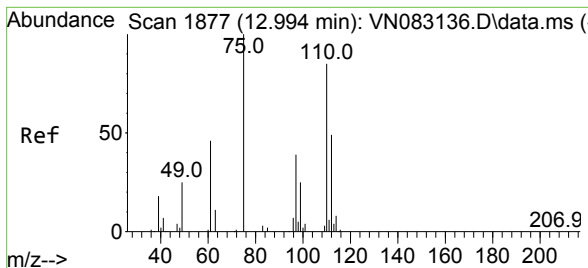


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083267.D
Acq: 13 Aug 2024 18:57



Tgt Ion:152 Resp: 129857
Ion Ratio Lower Upper
152 100
115 63.9 30.6 91.6
150 158.5 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.682 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

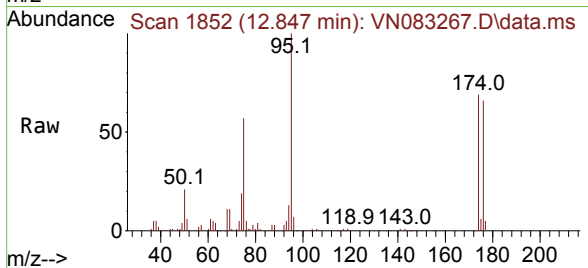
Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Instrument :

MSVOA_N

ClientSampleId :

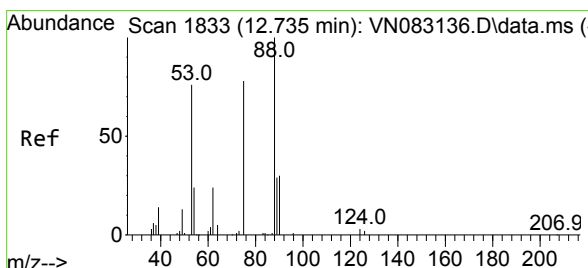
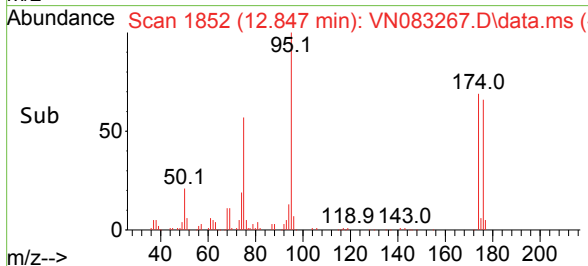
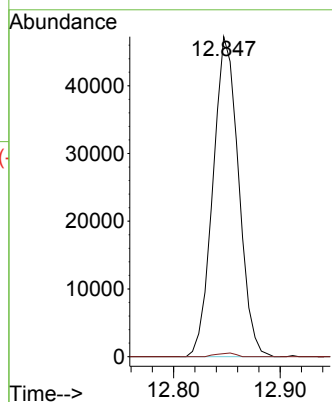


Tgt Ion: 75 Resp: 78894

Ion Ratio Lower Upper

75 100

77 0.8 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.214 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083267.D

Acq: 13 Aug 2024 18:57

Tgt Ion: 75 Resp: 78894

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

