

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083279.D
 Acq On : 14 Aug 2024 05:40
 Operator : JC\MD
 Sample : P3450-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 07:58:18 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	138109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	128029	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	111247	56.590	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.180%	
35) Dibromofluoromethane	8.171	113	90185	52.772	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.540%	
50) Toluene-d8	10.565	98	340598	53.429	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	12.847	95	142707	57.421	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 114.840%	

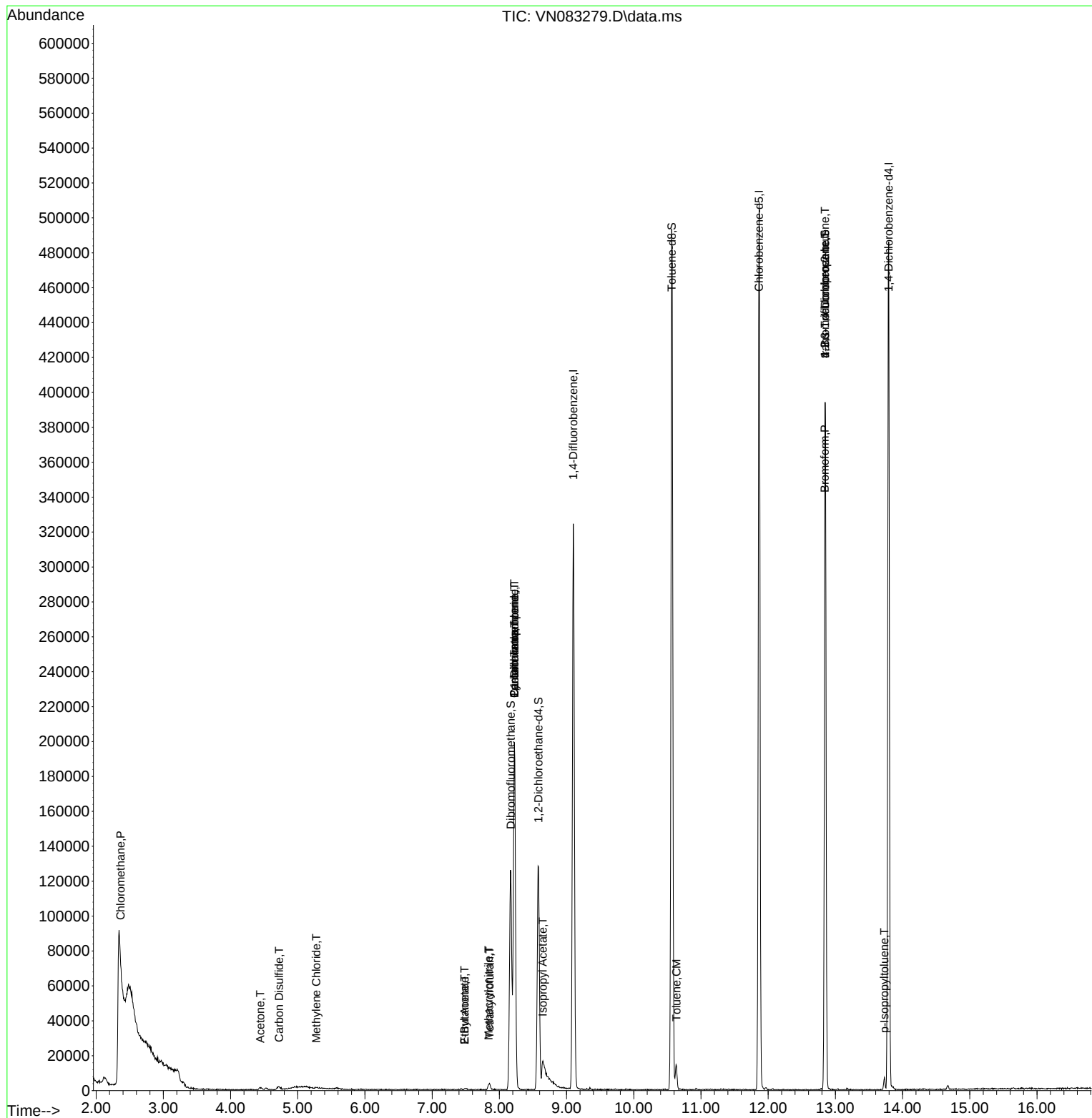
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	7225	4.506	ug/l #	43
16) Acetone	4.441	43	2569	3.340	ug/l	97
17) Carbon Disulfide	4.724	76	4512	1.007	ug/l #	75
20) Methylene Chloride	5.277	84	356	0.201	ug/l #	32
25) 2-Butanone	7.482	43	993	0.841	ug/l #	53
29) Tetrahydrofuran	7.853	42	2438	3.193	ug/l #	61
31) Cyclohexane	8.224	56	3417	1.173	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12815	4.957	ug/l #	50
37) Ethyl Acetate	7.482	43	993	0.343	ug/l #	85
38) Carbon Tetrachloride	8.224	117	16273	5.589	ug/l #	16
41) Methacrylonitrile	7.841	41	849	0.516	ug/l #	37
43) Isopropyl Acetate	8.647	43	23002	2.981	ug/l #	60
52) Toluene	10.635	92	5960	1.225	ug/l	98
71) Bromoform	12.841	173	486	0.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77602	27.617	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77602	60.074	ug/l #	6
86) p-Isopropyltoluene	13.729	119	4739	0.530	ug/l	94

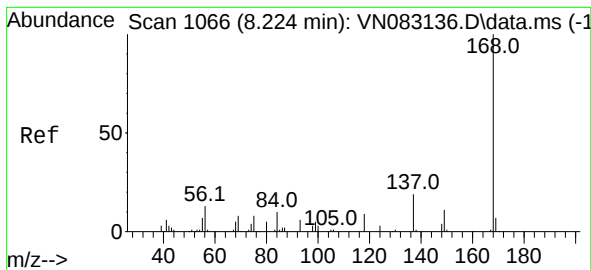
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

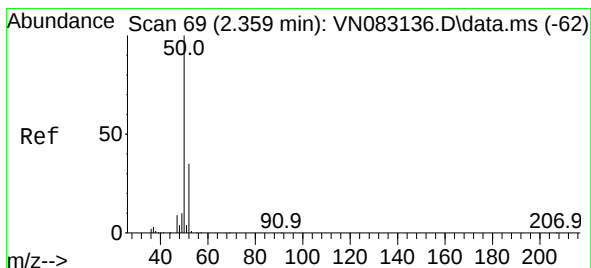
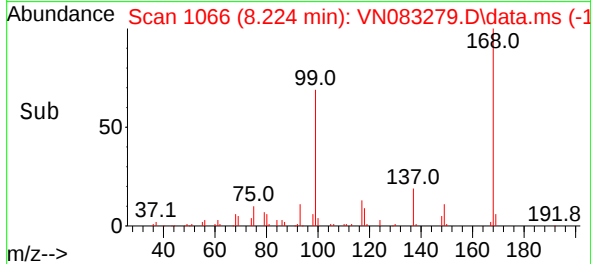
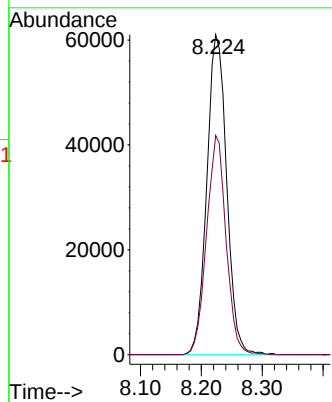
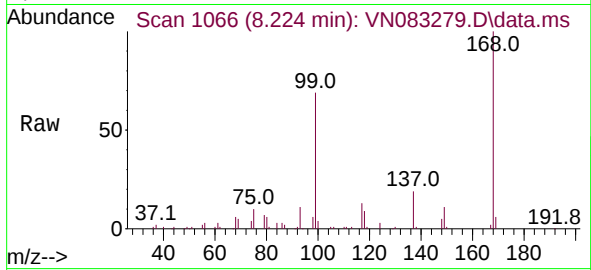
ClientSampleId :

Tgt Ion:168 Resp: 138109

Ion Ratio Lower Upper

168 100

99 68.5 48.2 72.4



#3

Chloromethane

Concen: 4.506 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083279.D

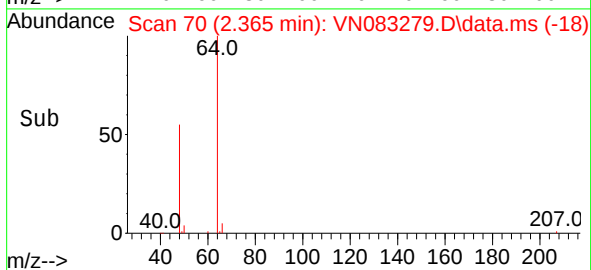
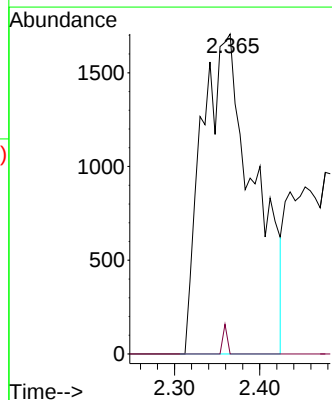
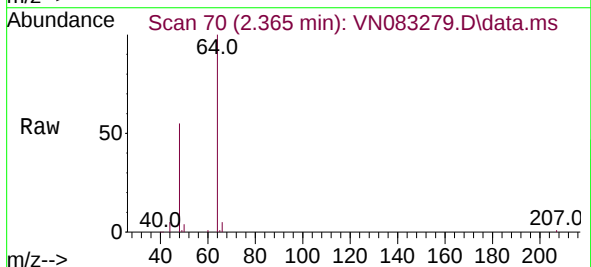
Acq: 14 Aug 2024 05:40

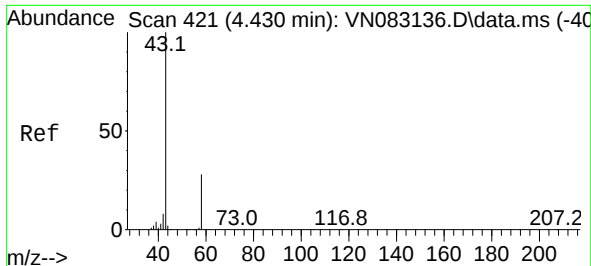
Tgt Ion: 50 Resp: 7225

Ion Ratio Lower Upper

50 100

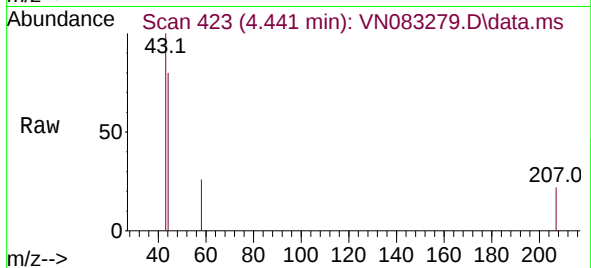
52 0.0 25.0 37.4#



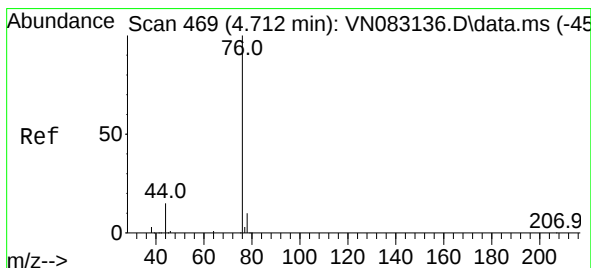
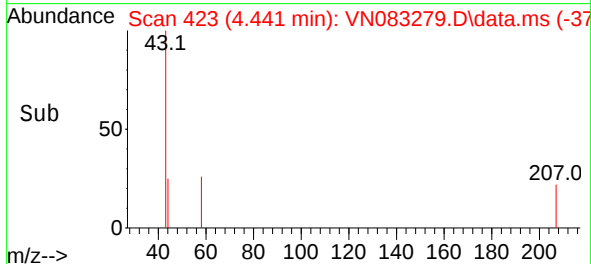
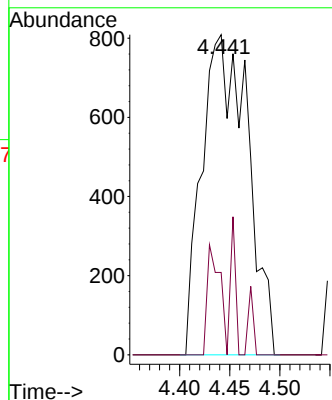


#16
Acetone
Concen: 3.340 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

Instrument :
MSVOA_N
ClientSampleId :

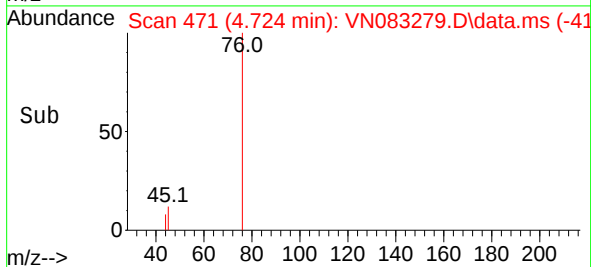
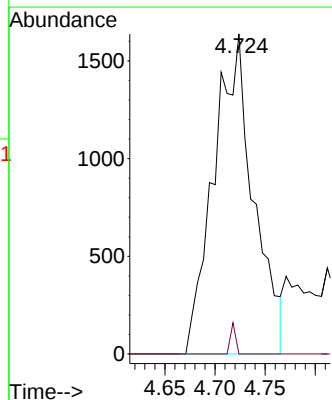
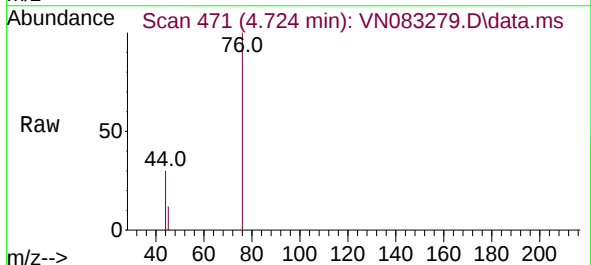


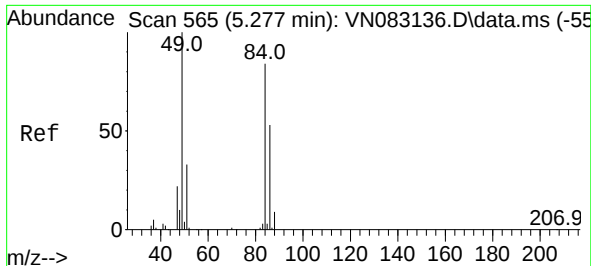
Tgt Ion: 43 Resp: 2569
Ion Ratio Lower Upper
43 100
58 25.7 21.8 32.6



#17
Carbon Disulfide
Concen: 1.007 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

Tgt Ion: 76 Resp: 4512
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 5.277 min Scan# 5

Delta R.T. -0.000 min

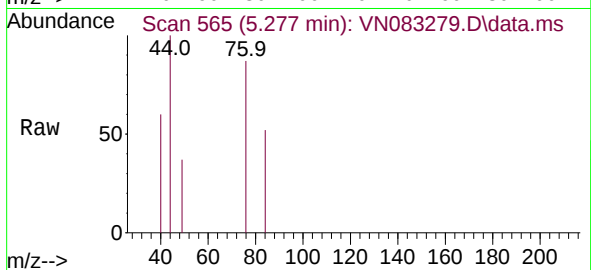
Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 356

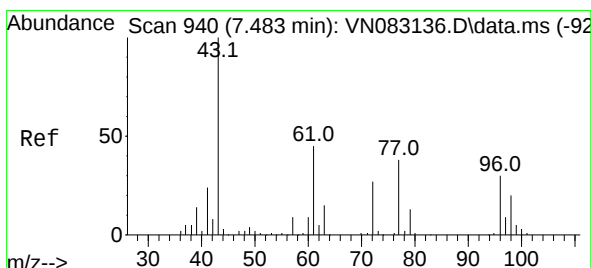
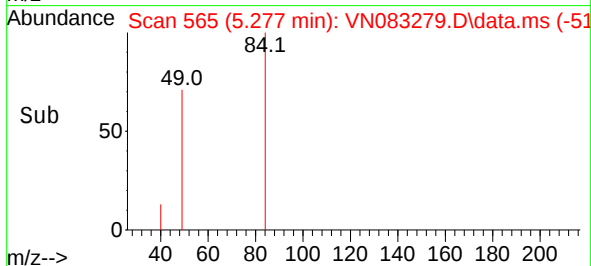
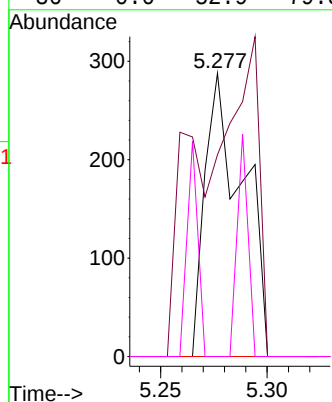
Ion Ratio Lower Upper

84 100

49 71.2 119.6 179.4#

51 0.0 34.8 52.2#

86 0.0 52.9 79.3#



#25

2-Butanone

Concen: 0.841 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN083279.D

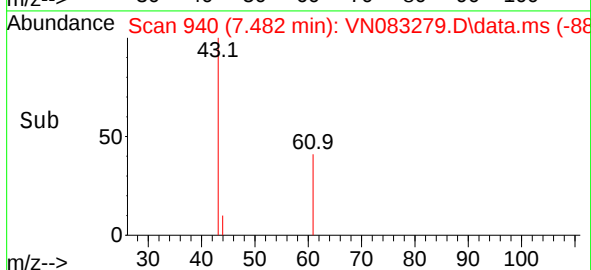
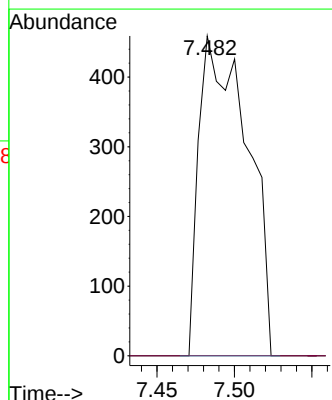
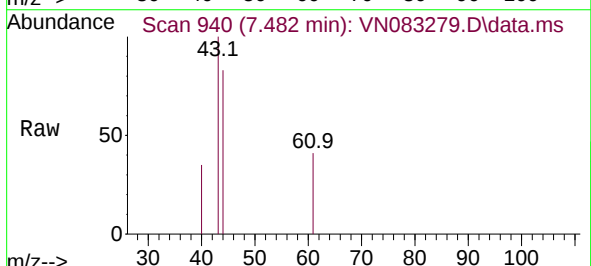
Acq: 14 Aug 2024 05:40

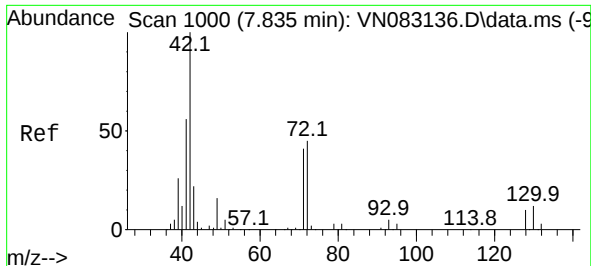
Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#





#29

Tetrahydrofuran

Concen: 3.193 ug/l

RT: 7.853 min Scan# 1

Delta R.T. 0.018 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :

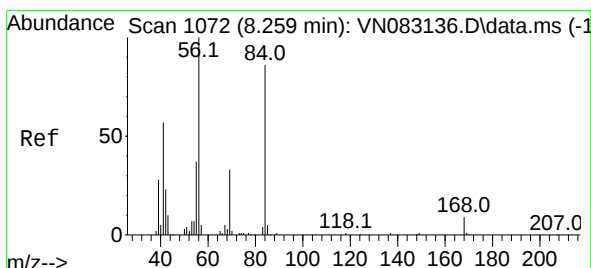
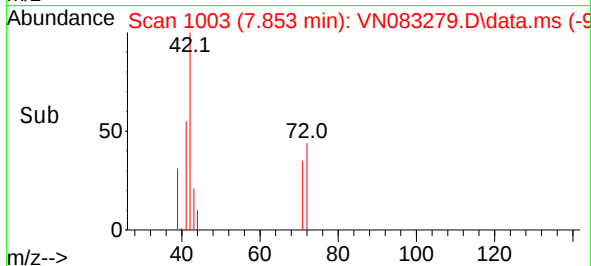
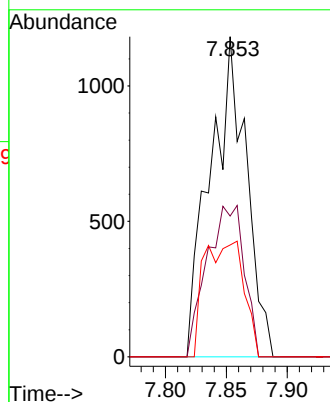
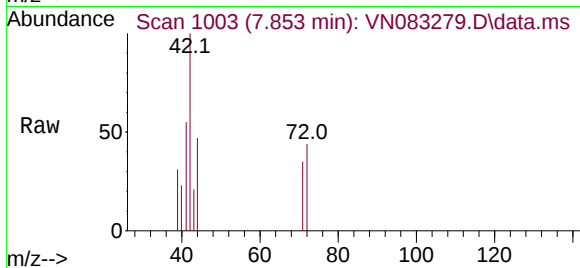
Tgt Ion: 42 Resp: 2438

Ion Ratio Lower Upper

42 100

72 48.8 30.0 45.0#

71 0.0 28.3 42.5#



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

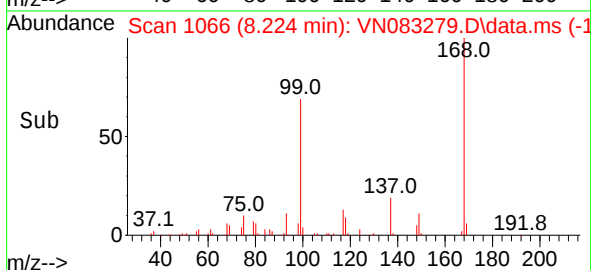
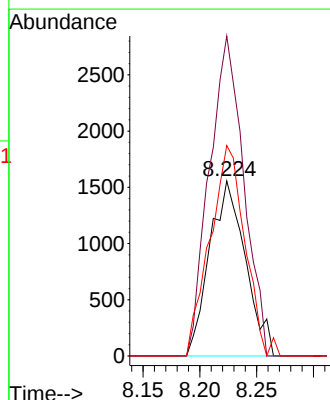
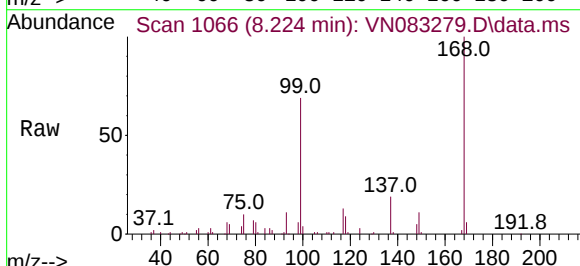
Tgt Ion: 56 Resp: 3417

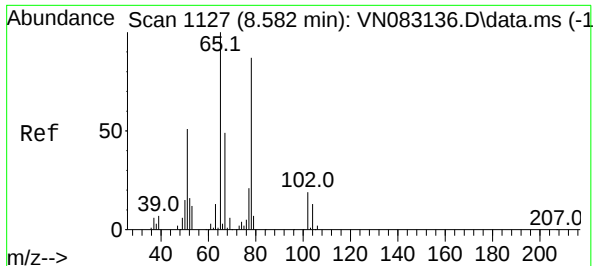
Ion Ratio Lower Upper

56 100

69 182.8 24.5 36.7#

84 120.2 66.0 99.0#

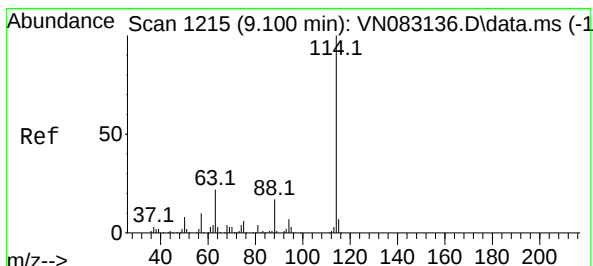
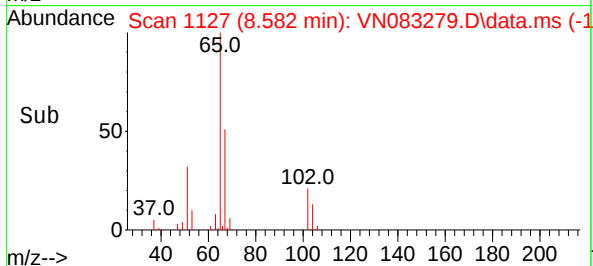
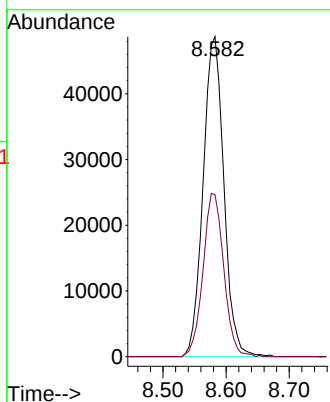
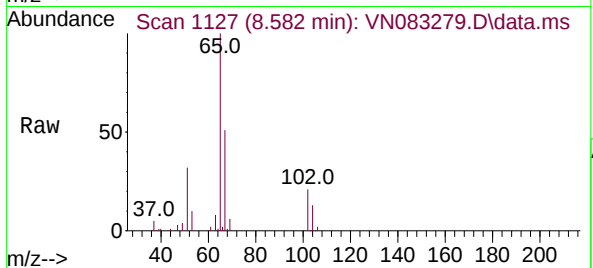




#33
1,2-Dichloroethane-d4
Concen: 56.590 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

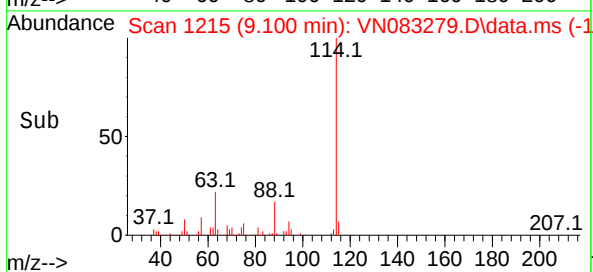
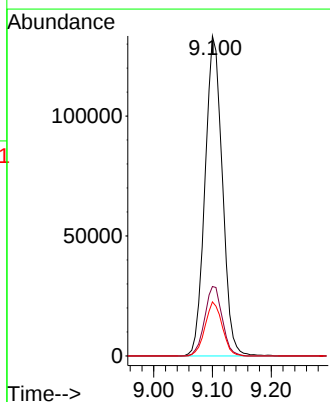
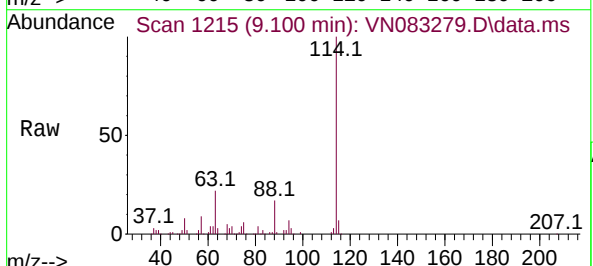
Instrument :
MSVOA_N
ClientSampleId :

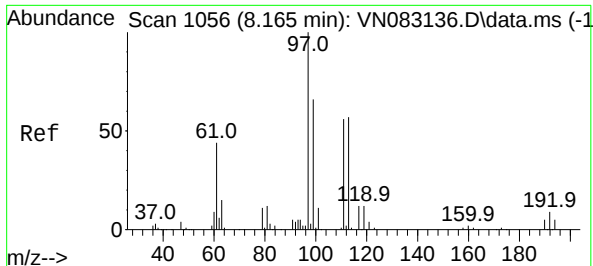
Tgt Ion: 65 Resp: 111247
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

Tgt Ion:114 Resp: 273792
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.6
88 16.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.772 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :

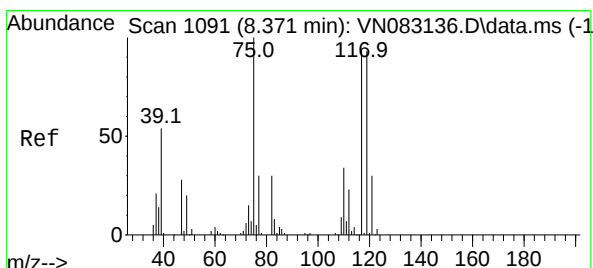
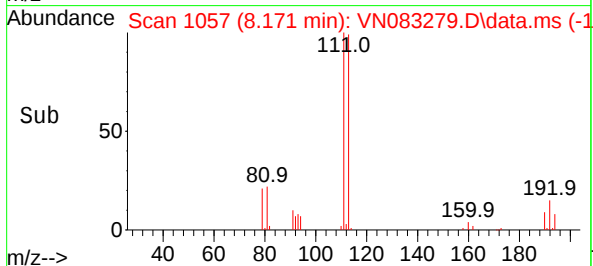
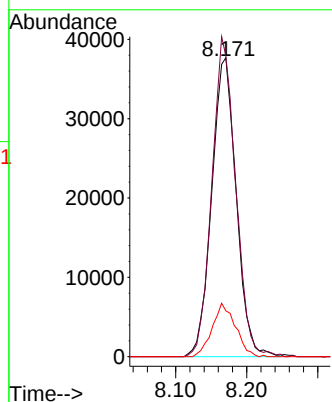
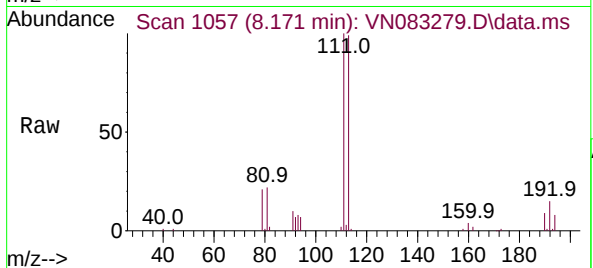
Tgt Ion:113 Resp: 90185

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 17.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.957 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

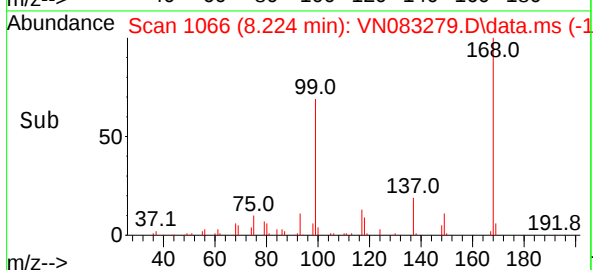
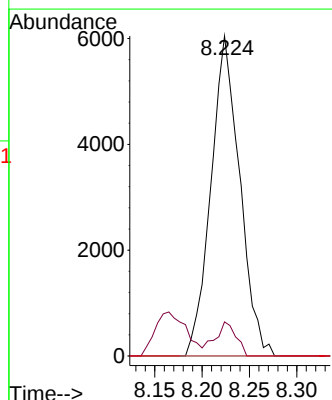
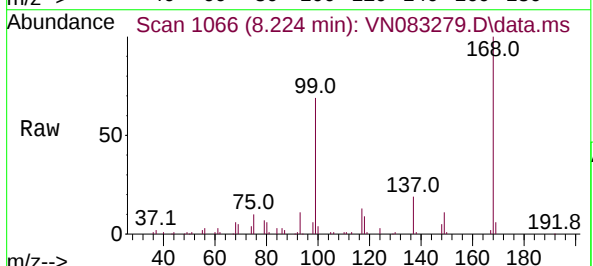
Tgt Ion: 75 Resp: 12815

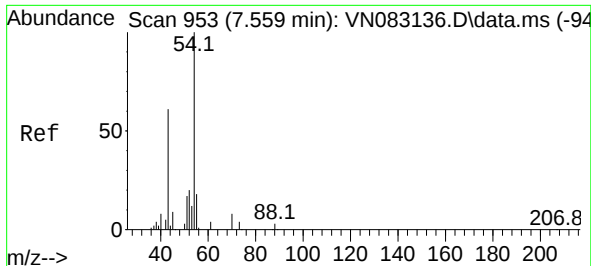
Ion Ratio Lower Upper

75 100

110 7.7 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.343 ug/l

RT: 7.482 min Scan# 94

Delta R.T. -0.077 min

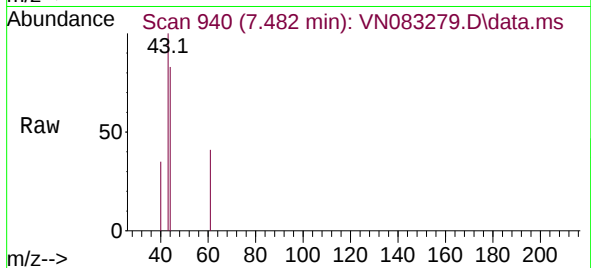
Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :



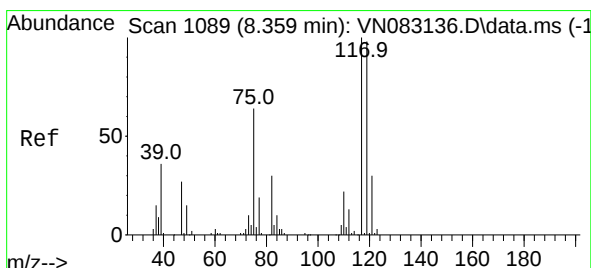
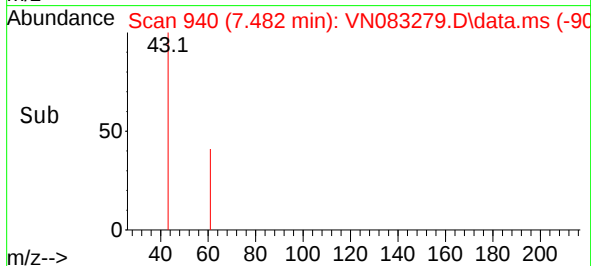
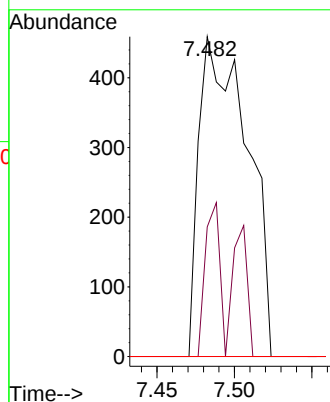
Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

61 14.5 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.589 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

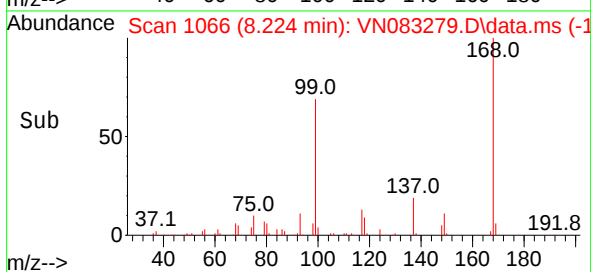
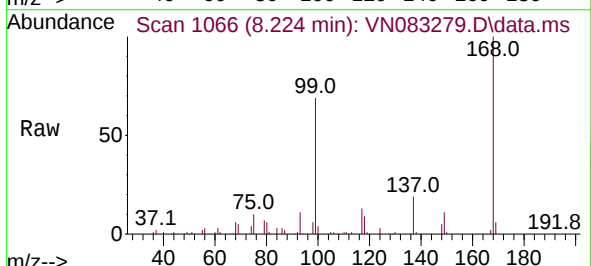
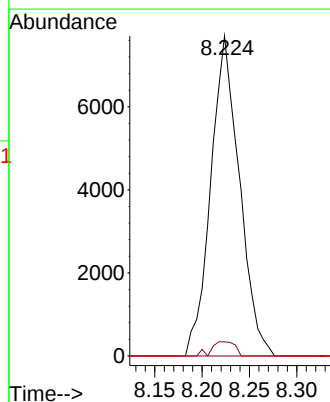
Tgt Ion: 117 Resp: 16273

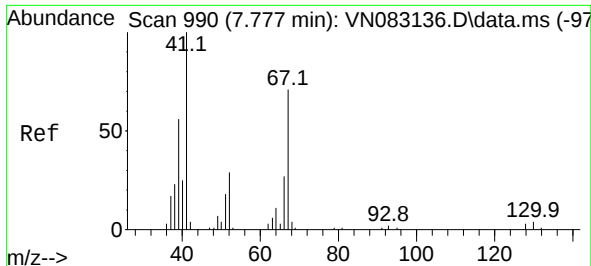
Ion Ratio Lower Upper

117 100

119 4.4 74.9 112.3#

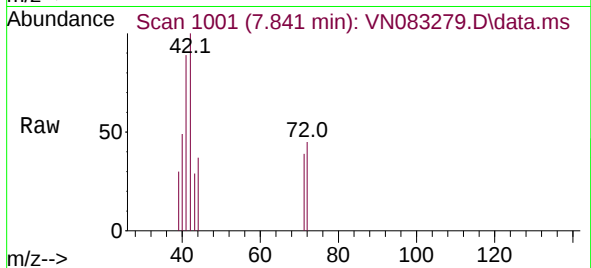
121 0.0 24.3 36.5#



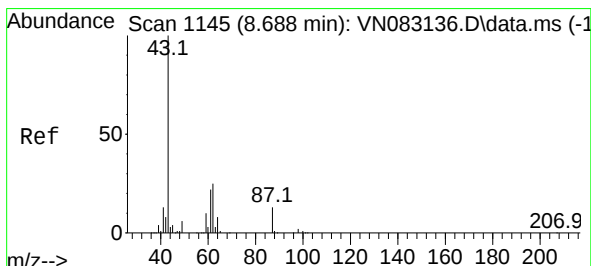
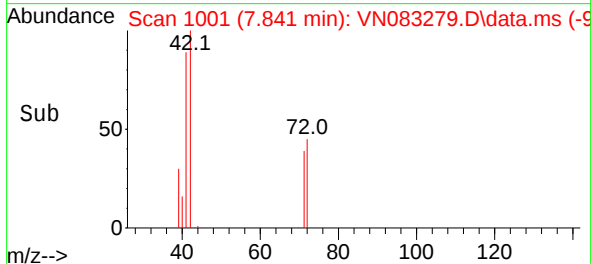
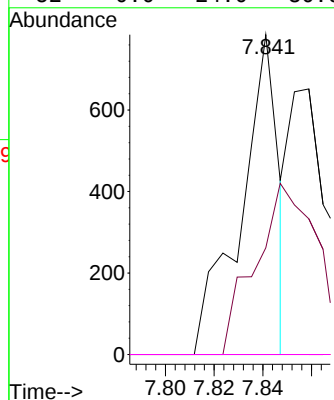


#41
Methacrylonitrile
Concen: 0.516 ug/l
RT: 7.841 min Scan# 1138
Delta R.T. 0.065 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

Instrument :
MSVOA_N
ClientSampleId :

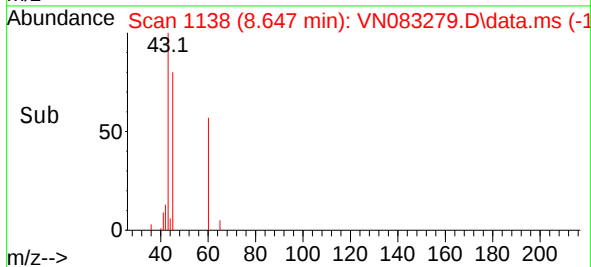
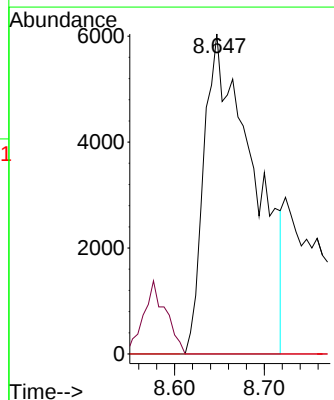
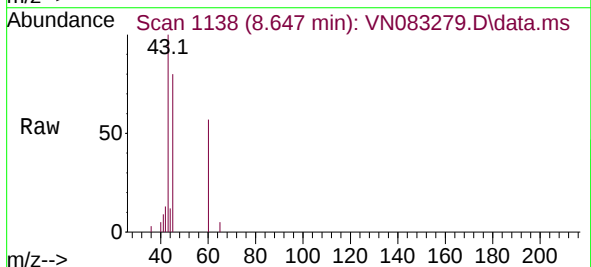


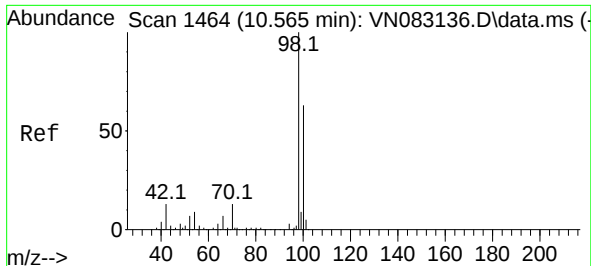
Tgt Ion: 41	Resp:	849
Ion	Ratio	Lower Upper
41	100	
39	91.2	45.5 68.3#
67	0.0	50.5 75.7#
52	0.0	24.0 36.0#



#43
Isopropyl Acetate
Concen: 2.981 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.041 min
Lab File: VN083279.D
Acq: 14 Aug 2024 05:40

Tgt Ion: 43	Resp:	23002
Ion	Ratio	Lower Upper
43	100	
61	0.0	17.8 26.6#
87	0.0	8.2 12.2#





#50

Toluene-d8

Concen: 53.429 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

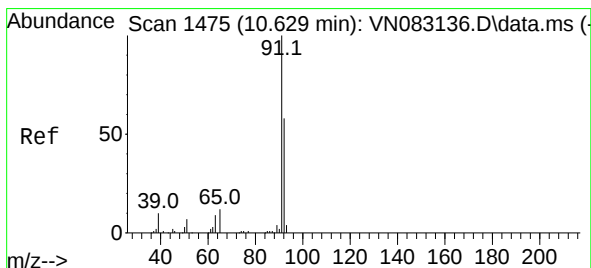
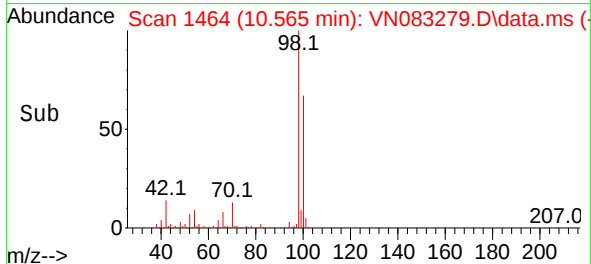
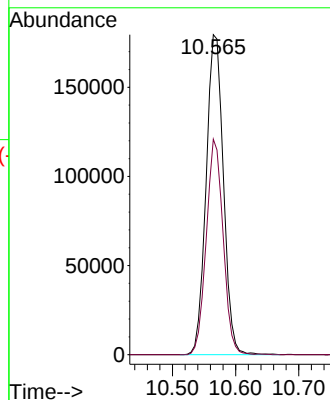
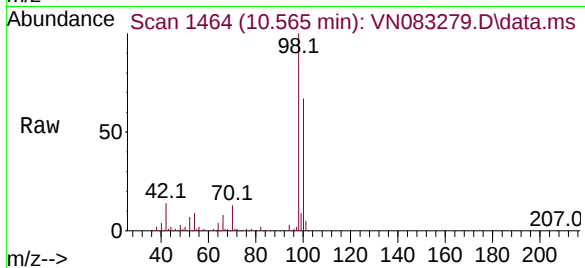
ClientSampleId :

Tgt Ion: 98 Resp: 340598

Ion Ratio Lower Upper

98 100

100 65.5 51.5 77.3



#52

Toluene

Concen: 1.225 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN083279.D

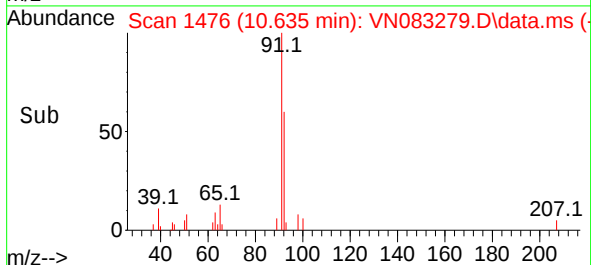
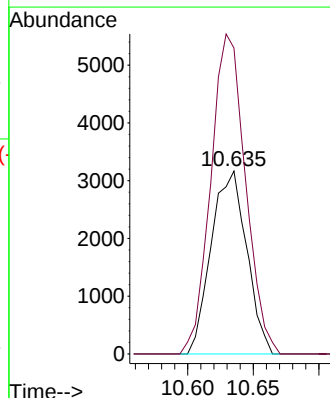
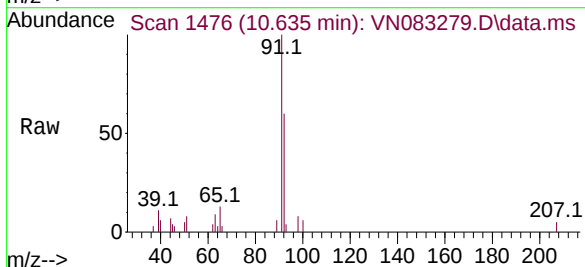
Acq: 14 Aug 2024 05:40

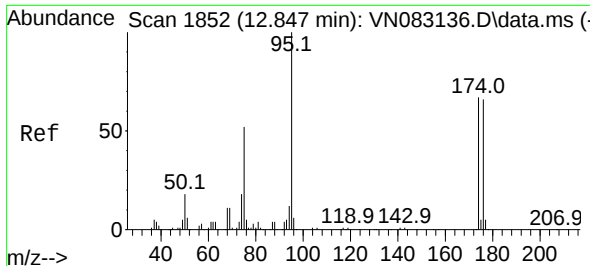
Tgt Ion: 92 Resp: 5960

Ion Ratio Lower Upper

92 100

91 170.9 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 57.421 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :

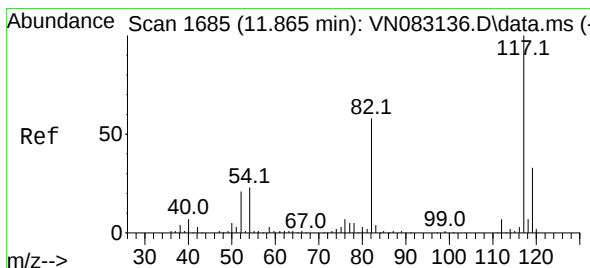
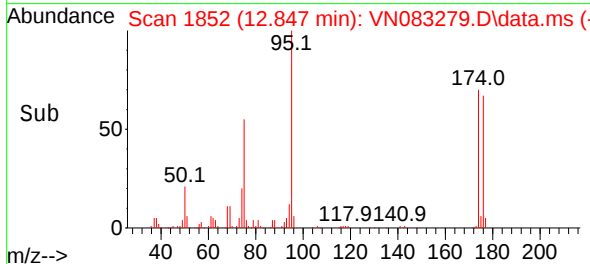
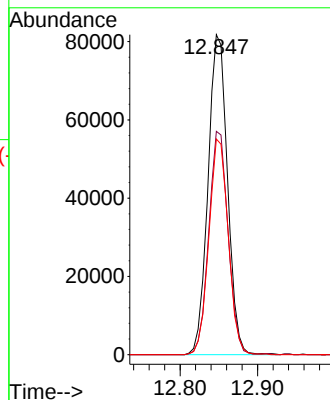
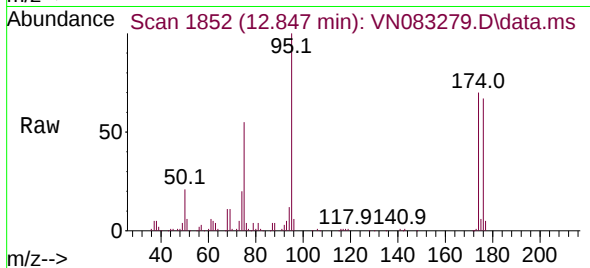
Tgt Ion: 95 Resp: 142707

Ion Ratio Lower Upper

95 100

174 69.2 0.0 159.2

176 67.0 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: VN083279.D

Acq: 14 Aug 2024 05:40

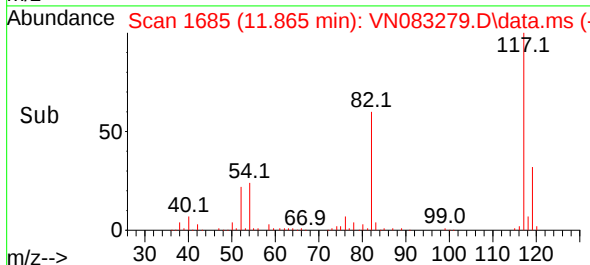
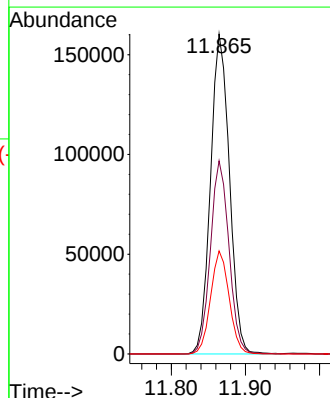
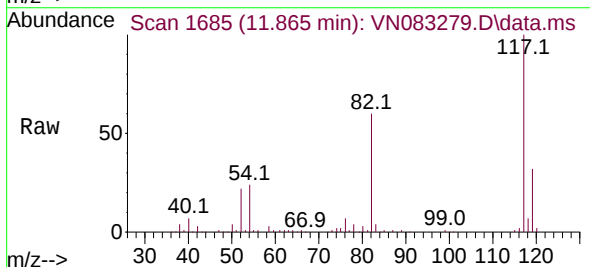
Tgt Ion: 117 Resp: 284536

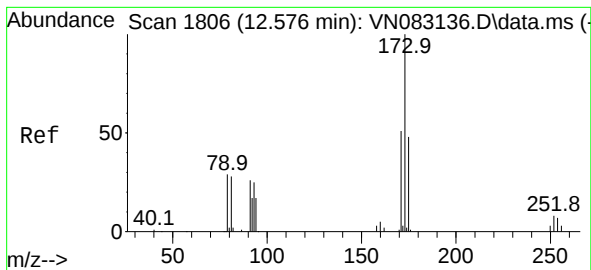
Ion Ratio Lower Upper

117 100

82 60.3 47.5 71.3

119 32.2 25.6 38.4





#71

Bromoform

Concen: 0.289 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

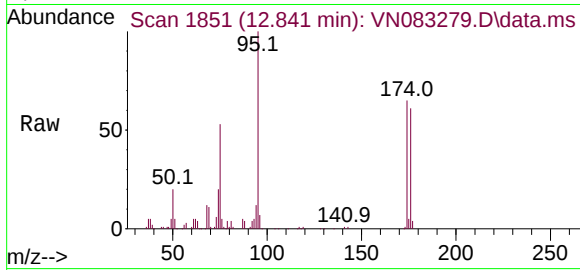
Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

ClientSampleId :



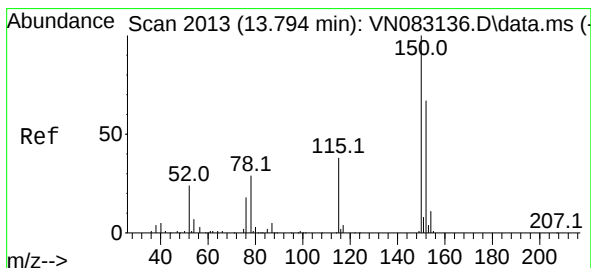
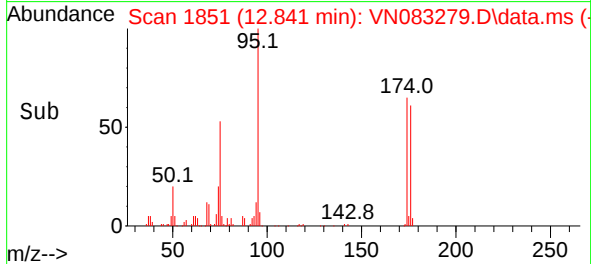
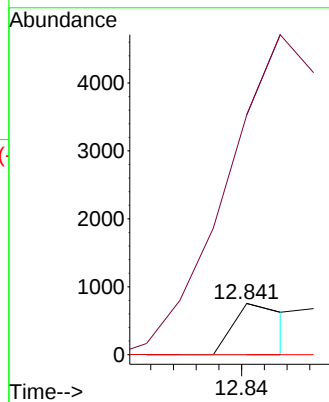
Tgt Ion:173 Resp: 486

Ion Ratio Lower Upper

173 100

175 1104.9 24.0 72.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

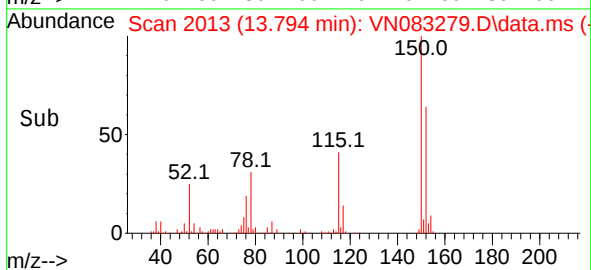
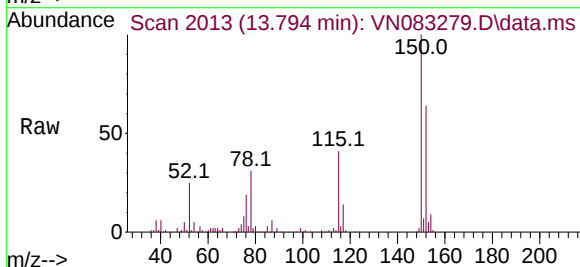
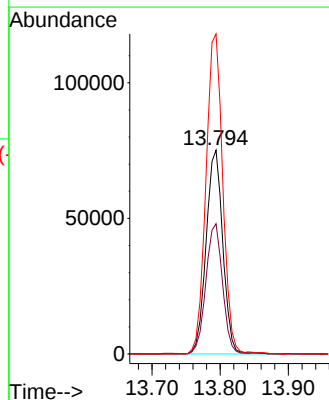
Tgt Ion:152 Resp: 128029

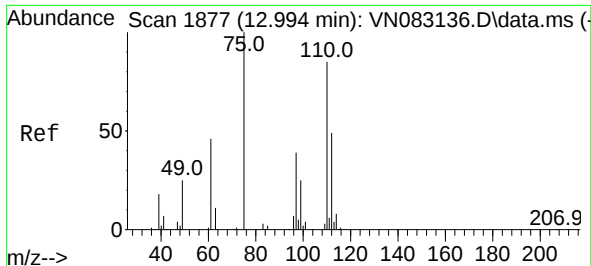
Ion Ratio Lower Upper

152 100

115 63.6 30.6 91.6

150 157.6 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.617 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

Instrument :

MSVOA_N

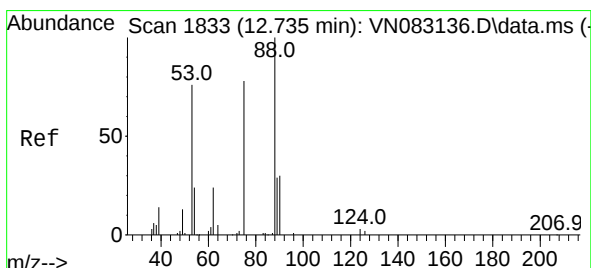
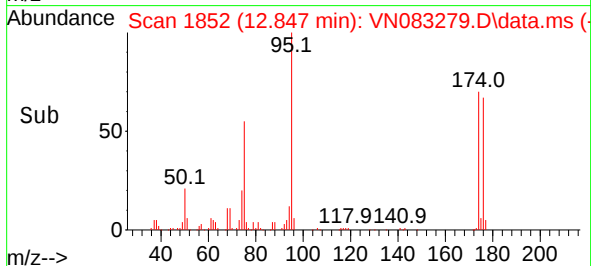
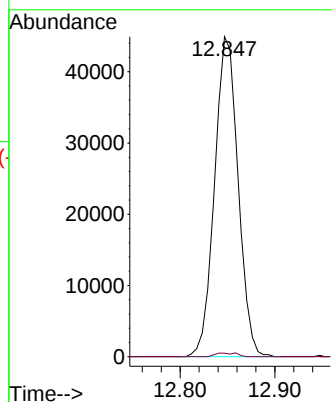
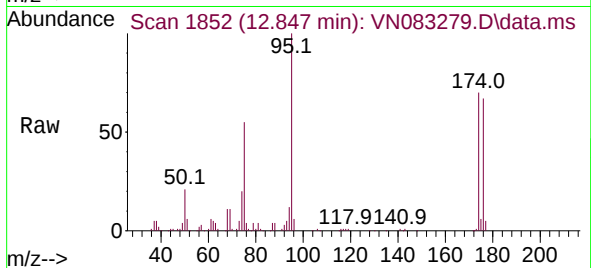
ClientSampleId :

Tgt Ion: 75 Resp: 77602

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.074 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083279.D

Acq: 14 Aug 2024 05:40

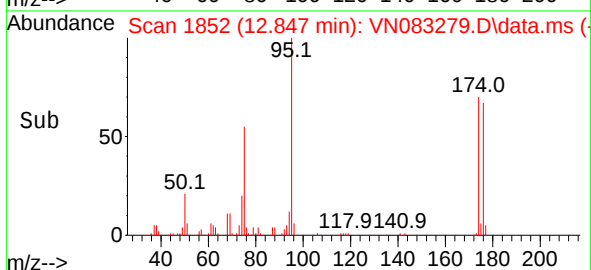
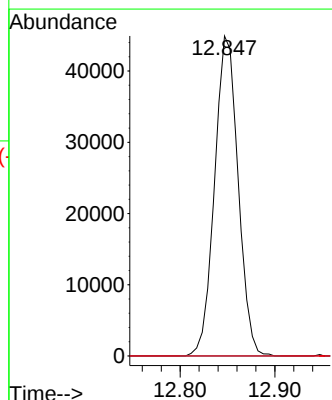
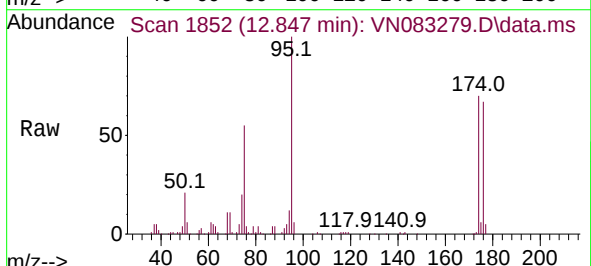
Tgt Ion: 75 Resp: 77602

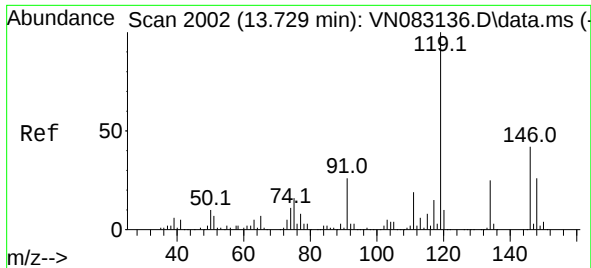
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

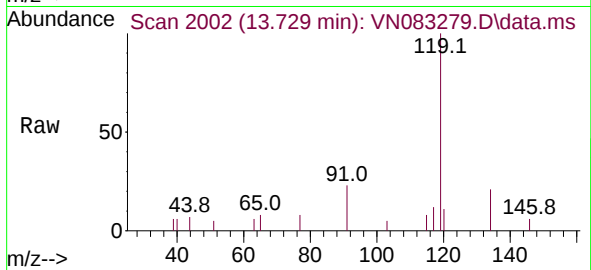
89 0.0 36.3 54.5#





#86
 p-Isopropyltoluene
 Concen: 0.530 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083279.D
 Acq: 14 Aug 2024 05:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	119	Resp:	4739
Ion	Ratio	Lower	Upper
119	100		
134	22.6	13.0	39.0
91	26.8	12.3	36.9

