

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081224\
 Data File : VN083243.D
 Acq On : 12 Aug 2024 17:24
 Operator : JC\MD
 Sample : P3426-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 04:23:01 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

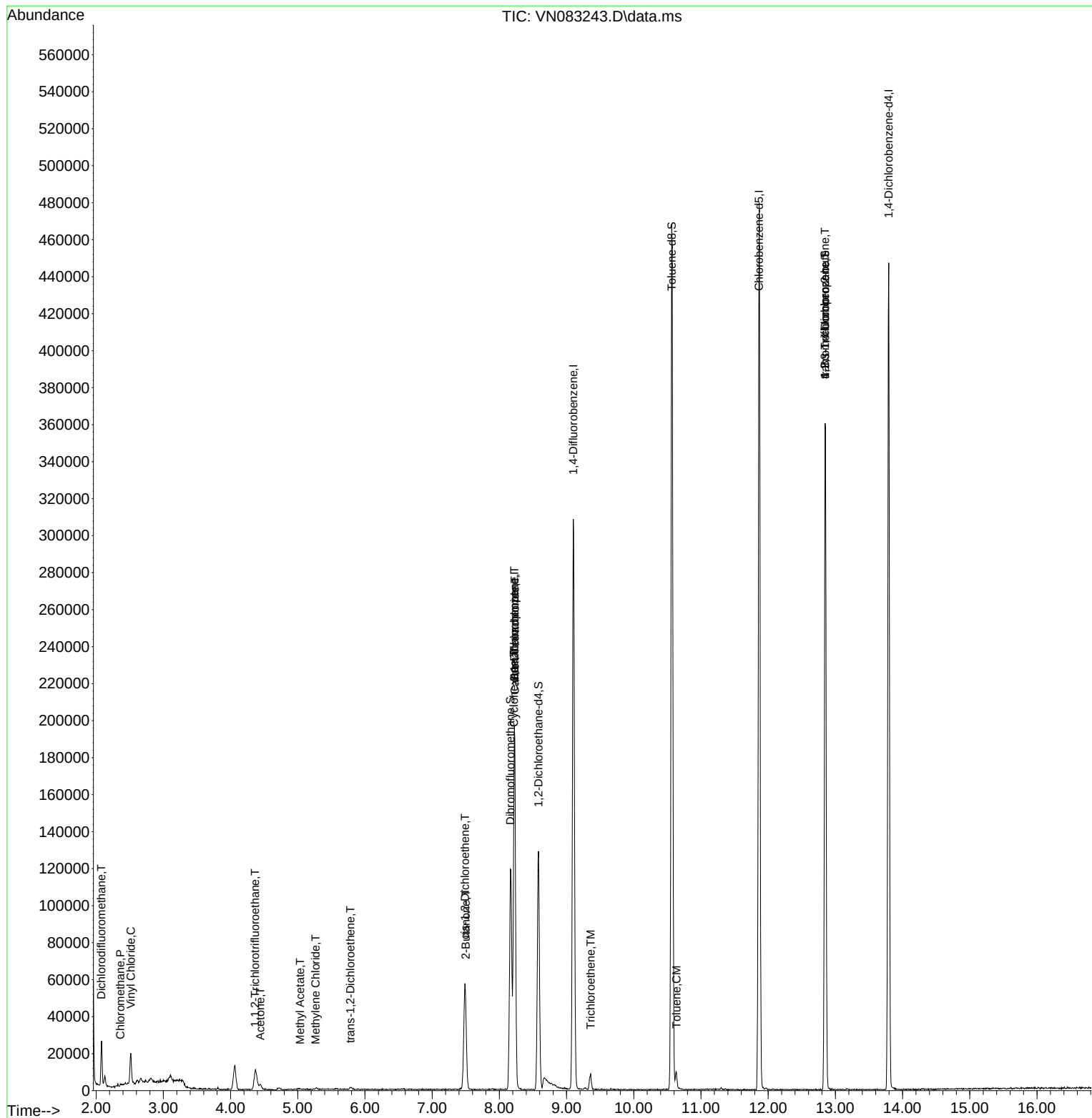
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	135406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108644	56.370	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.740%	
35) Dibromofluoromethane	8.165	113	86049	53.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.420%	
50) Toluene-d8	10.565	98	322457	53.449	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.900%	
62) 4-Bromofluorobenzene	12.847	95	132332	56.264	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 112.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.077	85	2873	1.871	ug/l	99
3) Chloromethane	2.359	50	627	0.399	ug/l #	38
4) Vinyl Chloride	2.518	62	15457	9.636	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	7628	5.221	ug/l	100
16) Acetone	4.441	43	5772	7.653	ug/l #	89
18) Methyl Acetate	5.036	43	656	0.292	ug/l #	56
20) Methylene Chloride	5.265	84	487	0.281	ug/l #	1
21) trans-1,2-Dichloroethene	5.783	96	648	0.418	ug/l #	76
25) 2-Butanone	7.500	43	332	0.287	ug/l #	6
27) cis-1,2-Dichloroethene	7.488	96	33648	17.974	ug/l	82
31) Cyclohexane	8.218	56	3469	1.215	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	12066	4.932	ug/l #	51
38) Carbon Tetrachloride	8.229	117	15034	5.456	ug/l #	17
43) Isopropyl Acetate	8.665	43	3165	Below Cal	#	60
44) Trichloroethene	9.359	130	2995	1.726	ug/l	94
52) Toluene	10.635	92	4224	0.917	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	73636	29.156	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73636	63.422	ug/l #	6

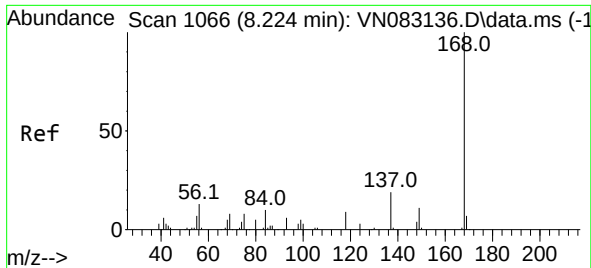
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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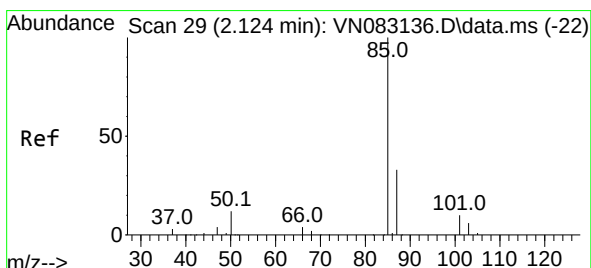
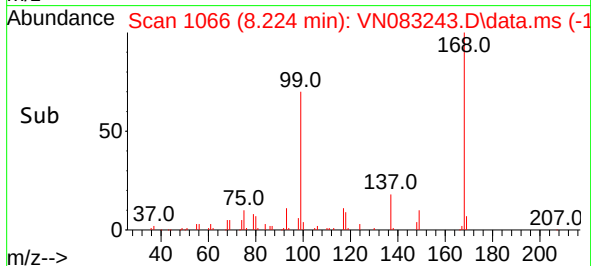
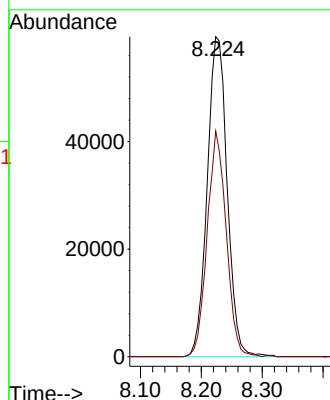
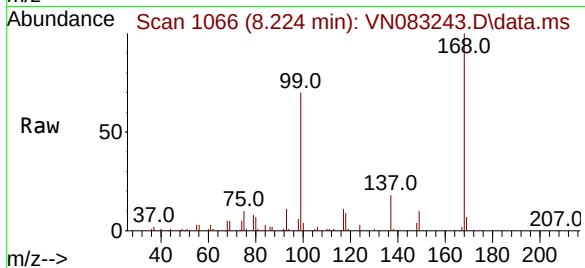




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

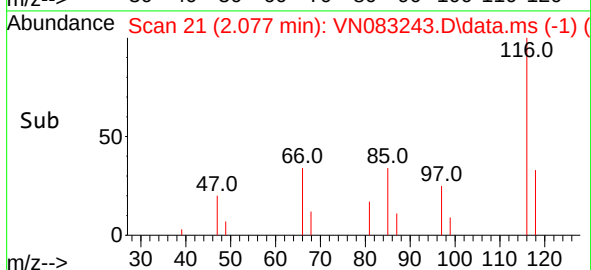
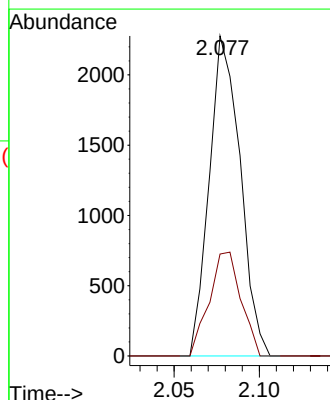
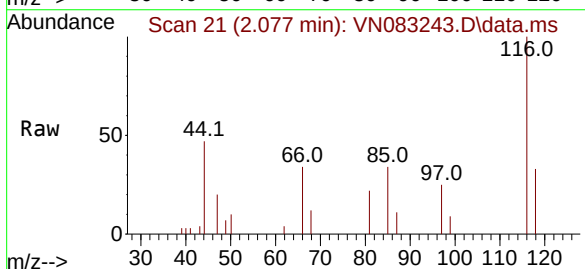
Instrument :
MSVOA_N
ClientSampleId :

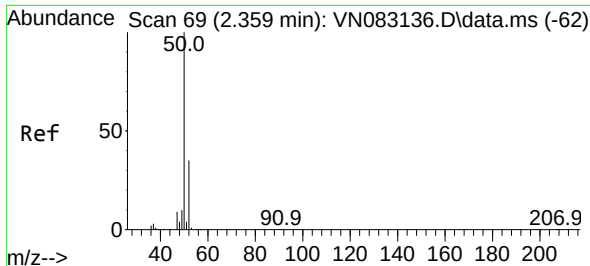
Tgt Ion:168 Resp: 135406
Ion Ratio Lower Upper
168 100
99 70.4 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.871 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.047 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

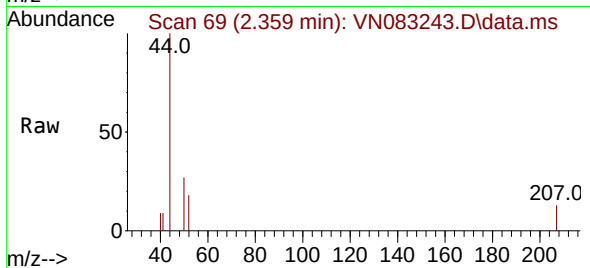
Tgt Ion: 85 Resp: 2873
Ion Ratio Lower Upper
85 100
87 31.8 15.7 47.0



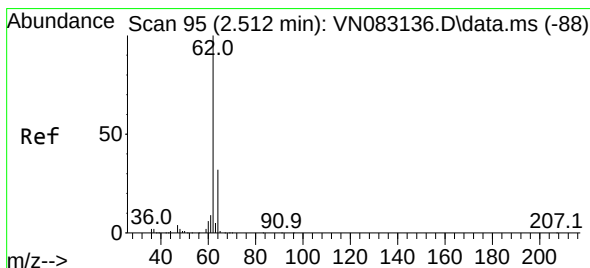
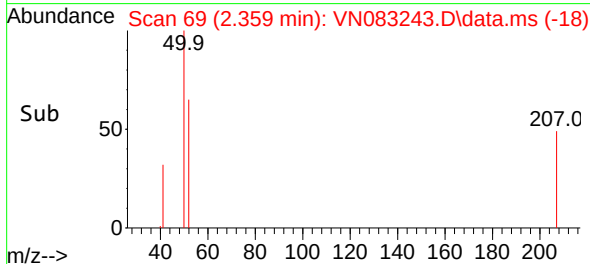
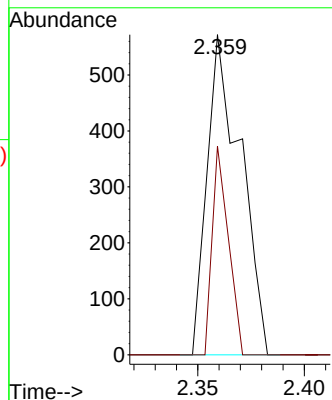


#3
Chloromethane
Concen: 0.399 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

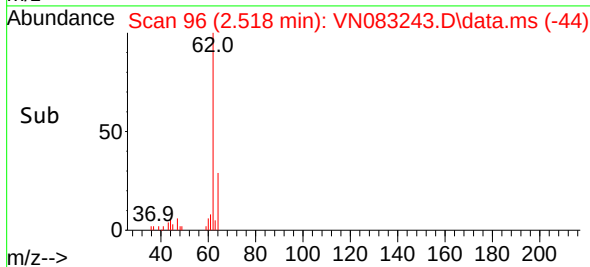
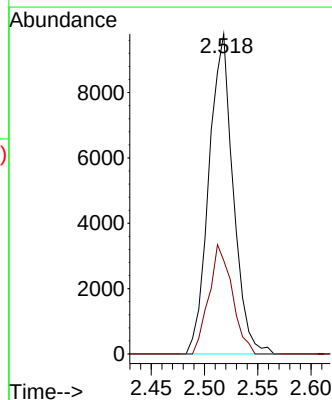
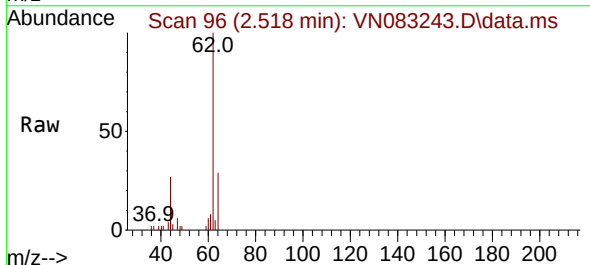


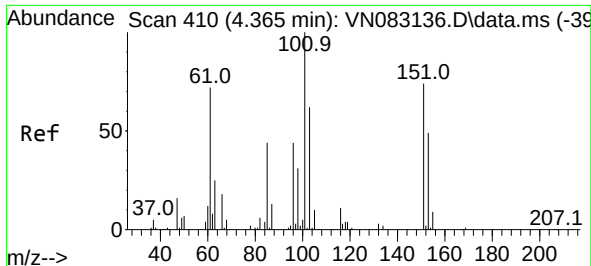
Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 65.2 25.0 37.4#



#4
Vinyl Chloride
Concen: 9.636 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

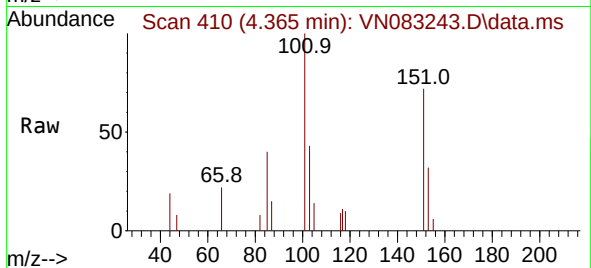
Tgt Ion: 62 Resp: 15457
Ion Ratio Lower Upper
62 100
64 29.2 25.0 37.6



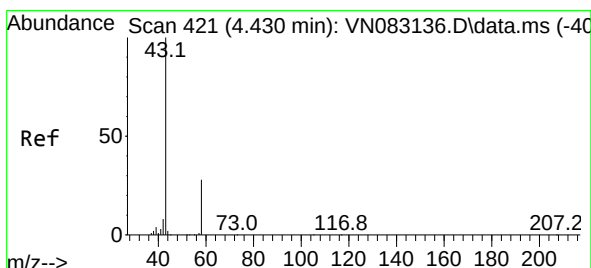
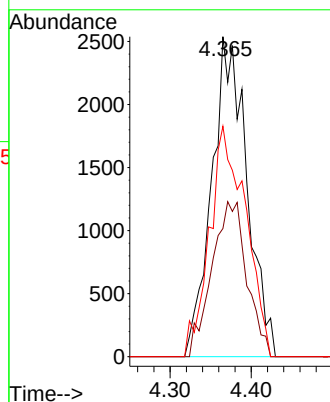
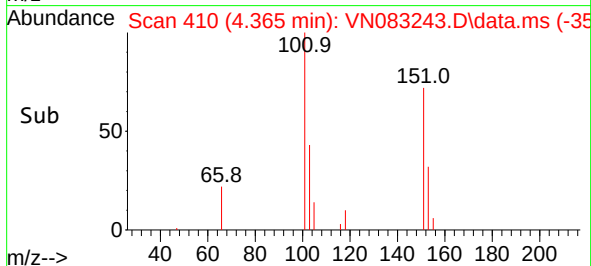


#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.221 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

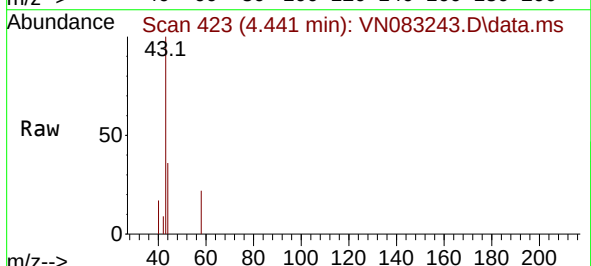
Instrument :
MSVOA_N
ClientSampleId :



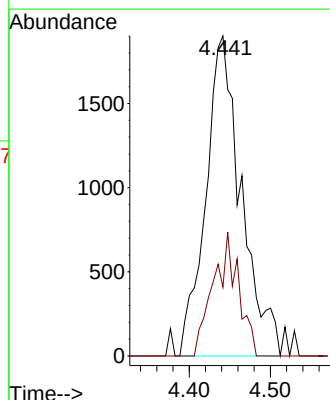
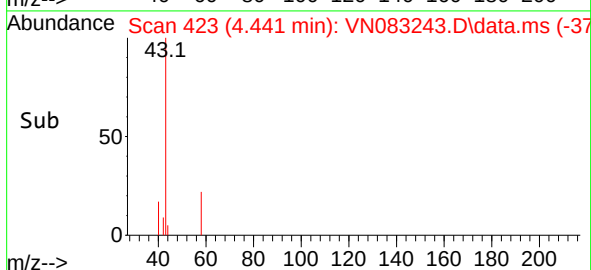
Tgt Ion: 101 Resp: 7628
Ion Ratio Lower Upper
101 100
85 48.2 38.3 57.5
151 74.1 59.3 88.9

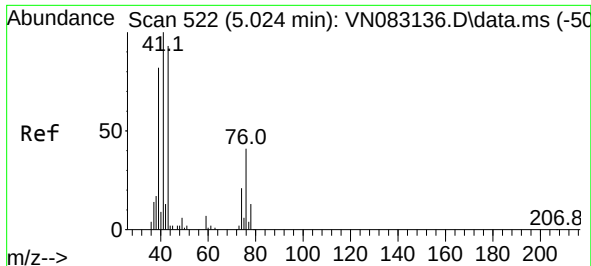


#16
Acetone
Concen: 7.653 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24



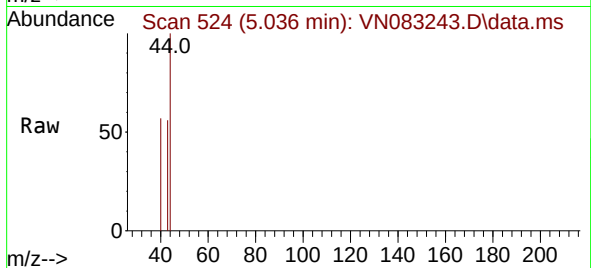
Tgt Ion: 43 Resp: 5772
Ion Ratio Lower Upper
43 100
58 21.5 21.8 32.6#



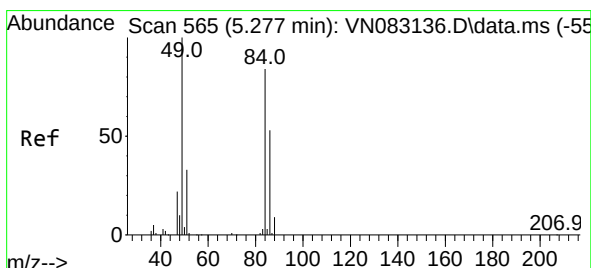
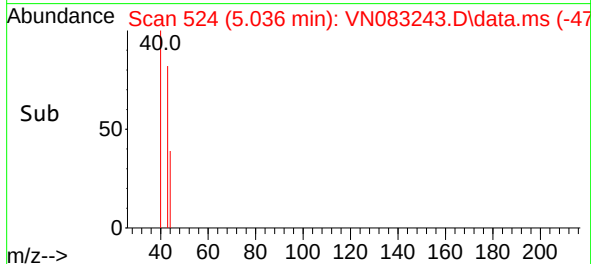
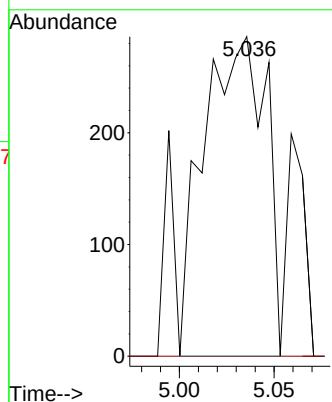


#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

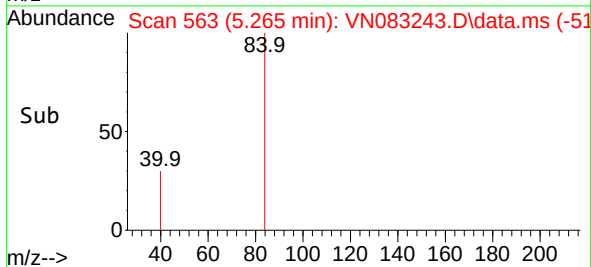
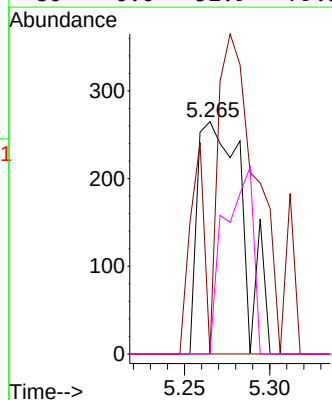
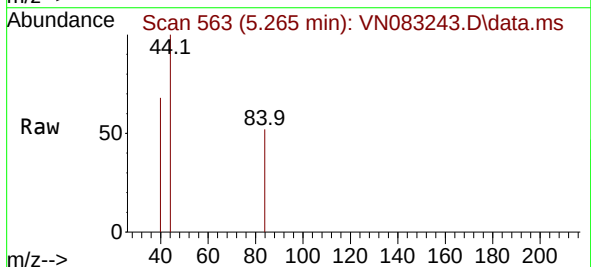


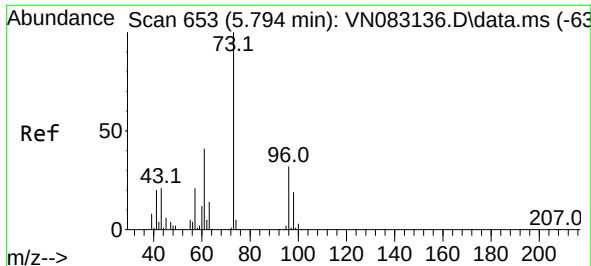
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

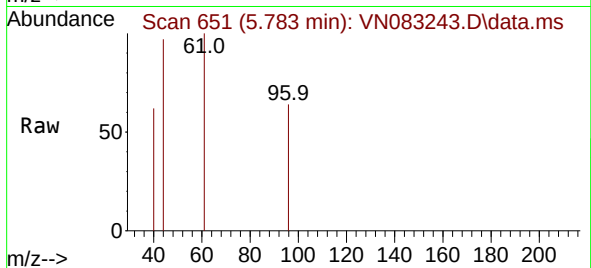
Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 0.0 119.6 179.4#
51 0.0 34.8 52.2#
86 0.0 52.9 79.3#



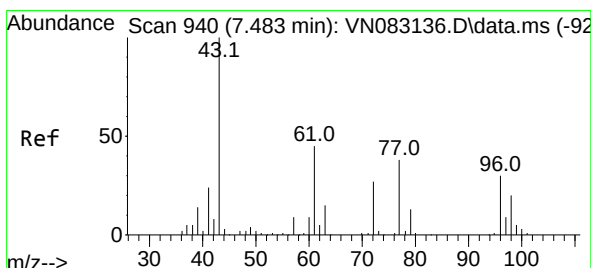
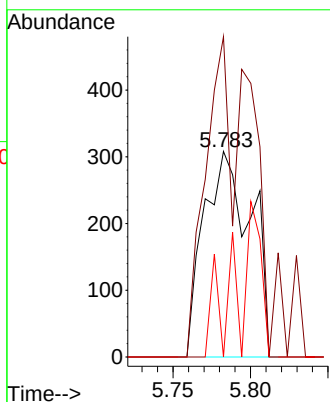
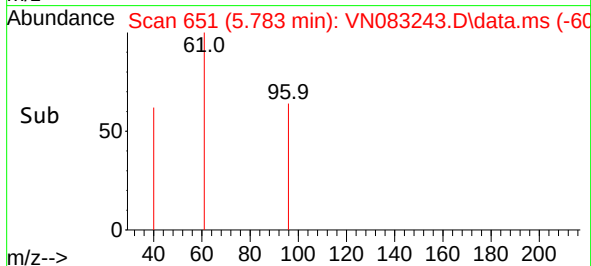


#21
trans-1,2-Dichloroethene
Concen: 0.418 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

Instrument :
MSVOA_N
ClientSampleId :

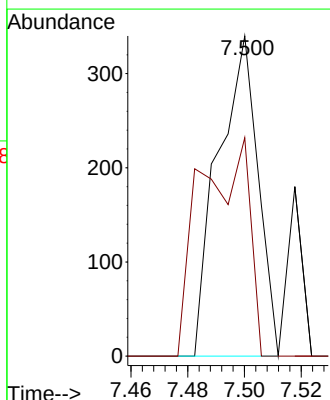
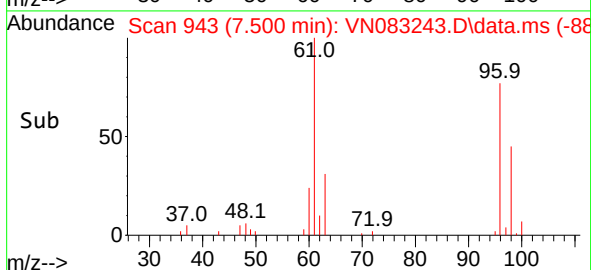
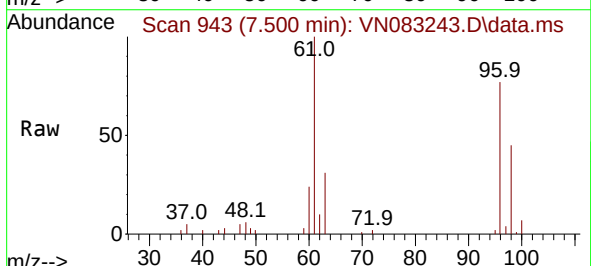


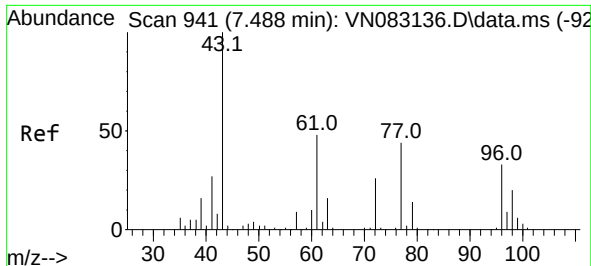
Tgt Ion: 96 Resp: 648
Ion Ratio Lower Upper
96 100
61 155.8 123.4 185.2
98 0.0 49.3 73.9#



#25
2-Butanone
Concen: 0.287 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

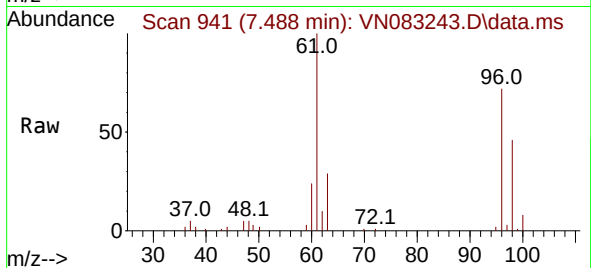
Tgt Ion: 43 Resp: 332
Ion Ratio Lower Upper
43 100
72 68.2 18.2 27.2#



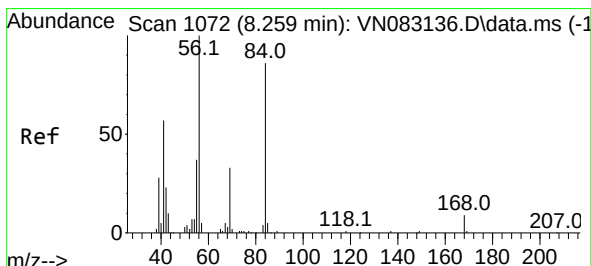
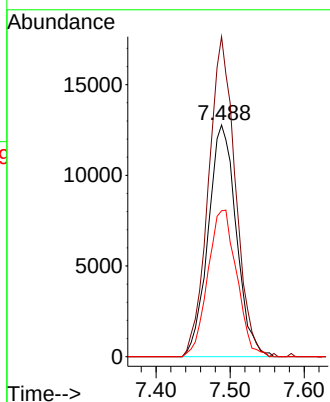
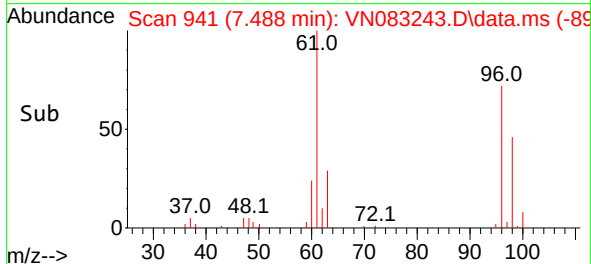


#27
 cis-1,2-Dichloroethene
 Concen: 17.974 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN083243.D
 Acq: 12 Aug 2024 17:24

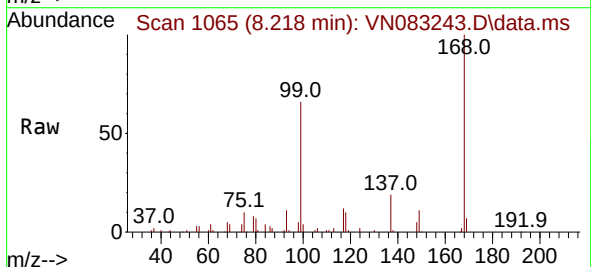
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 MSVOA_N
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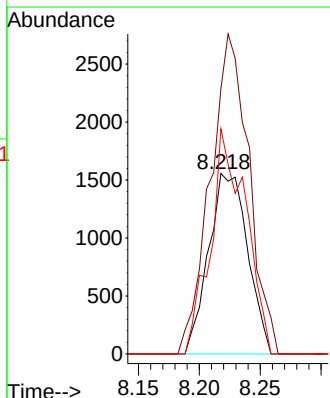
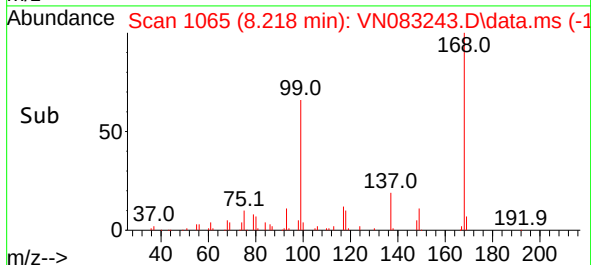
Tgt Ion:	96	Resp:	33648
Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	329.6
98	64.9	0.0	128.6

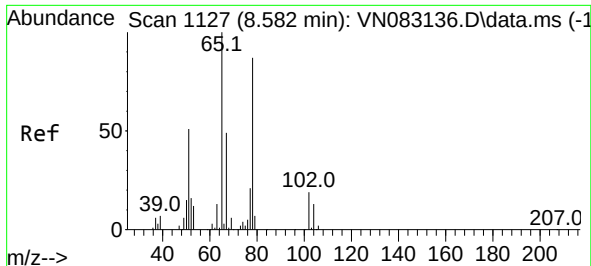


#31
 Cyclohexane
 Concen: 1.215 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.041 min
 Lab File: VN083243.D
 Acq: 12 Aug 2024 17:24



Tgt Ion:	56	Resp:	3469
Ion	Ratio	Lower	Upper
56	100		
69	147.2	24.5	36.7#
84	124.8	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 56.370 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Instrument :

MSVOA_N

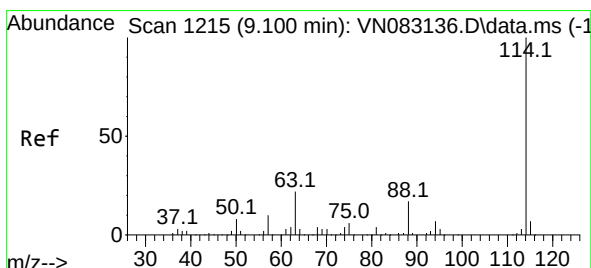
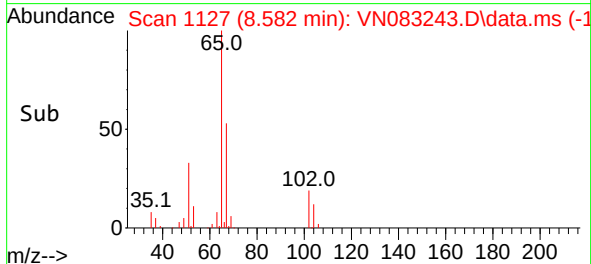
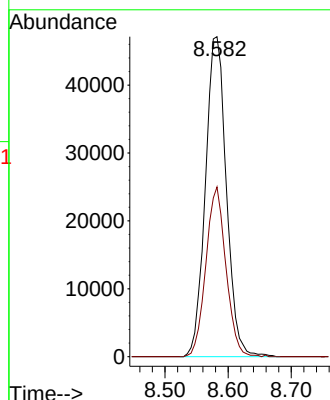
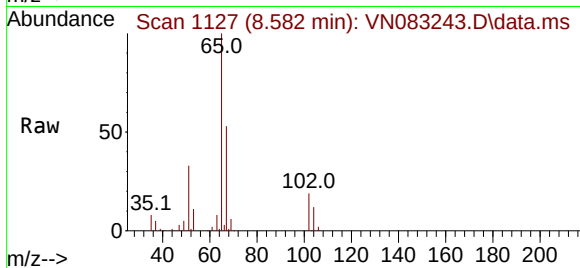
ClientSampleId :

Tgt Ion: 65 Resp: 108644

Ion Ratio Lower Upper

65 100

67 50.6 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: VN083243.D

Acq: 12 Aug 2024 17:24

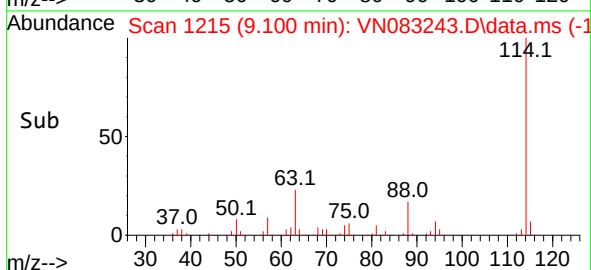
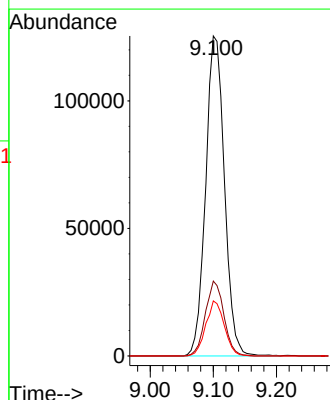
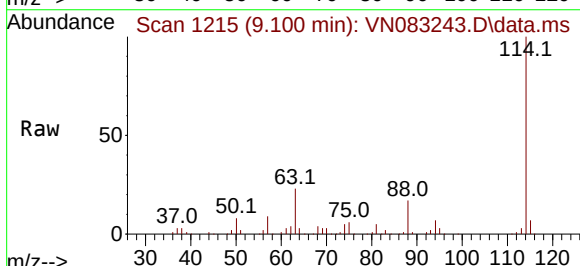
Tgt Ion: 114 Resp: 259109

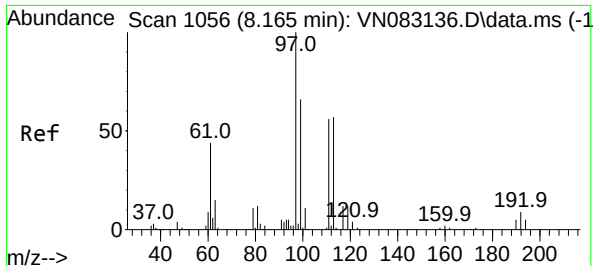
Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 17.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.205 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083243.D

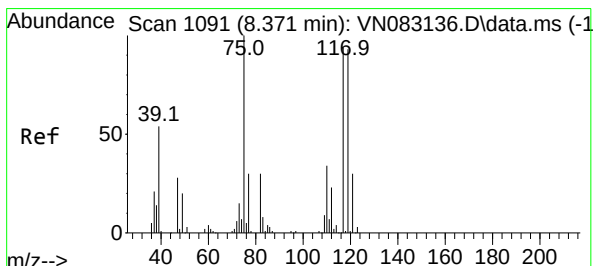
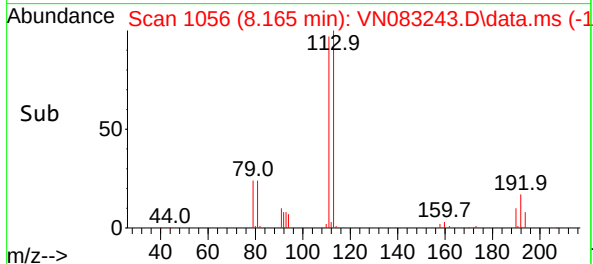
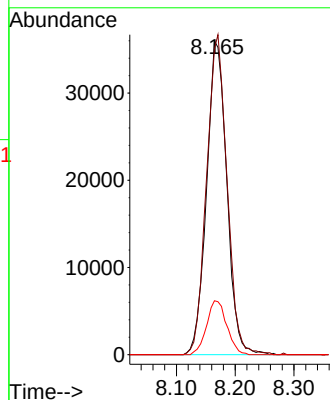
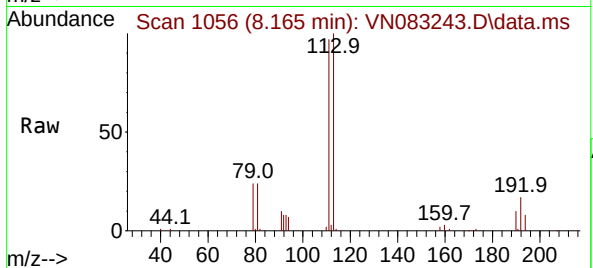
Acq: 12 Aug 2024 17:24

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	86049
Ion	Ratio	Lower Upper
113	100	
111	102.9	82.4 123.6
192	17.2	14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.932 ug/l

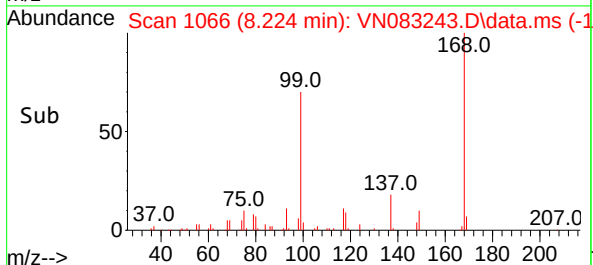
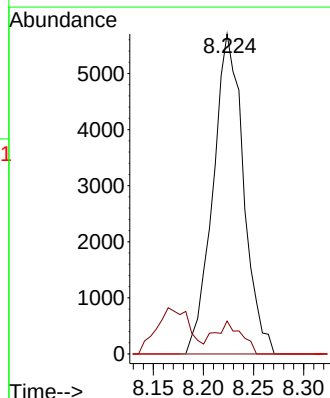
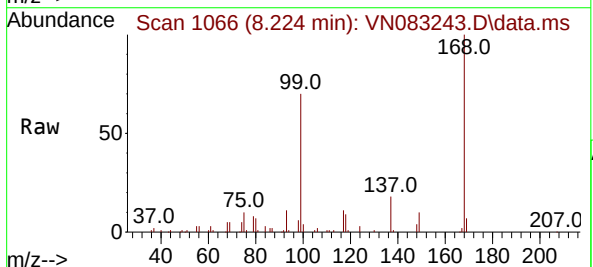
RT: 8.224 min Scan# 1066

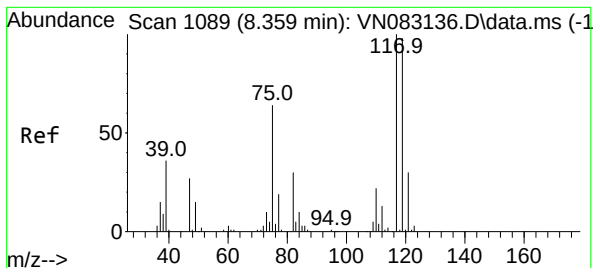
Delta R.T. -0.147 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Tgt Ion: 75	Resp:	12066
Ion	Ratio	Lower Upper
75	100	
110	8.9	16.3 48.9#
77	0.0	24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.456 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.130 min

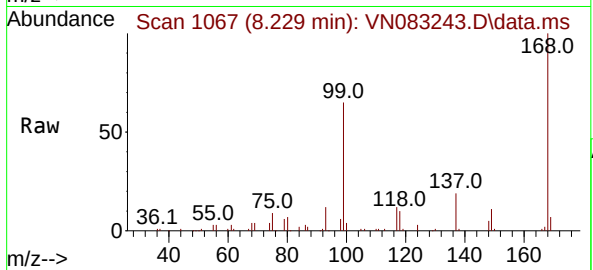
Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Instrument :

MSVOA_N

ClientSampleId :



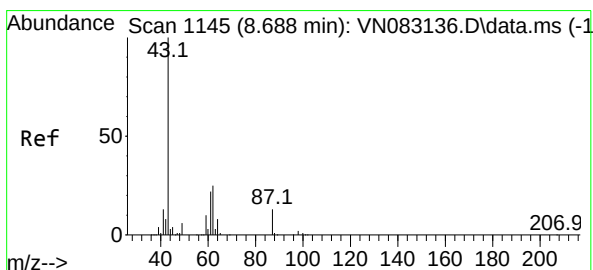
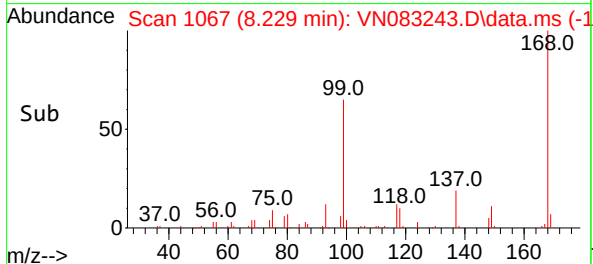
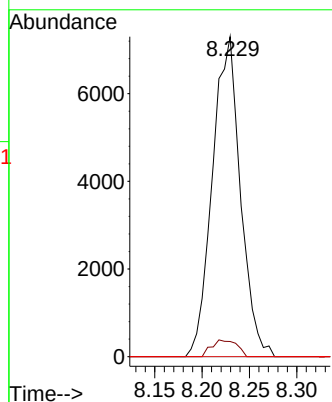
Tgt Ion:117 Resp: 15034

Ion Ratio Lower Upper

117 100

119 4.7 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.665 min Scan# 1141

Delta R.T. -0.023 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

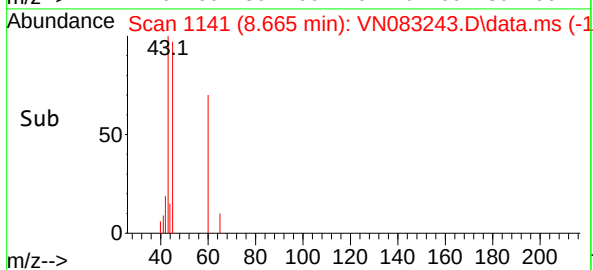
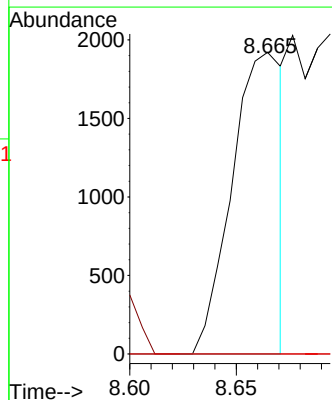
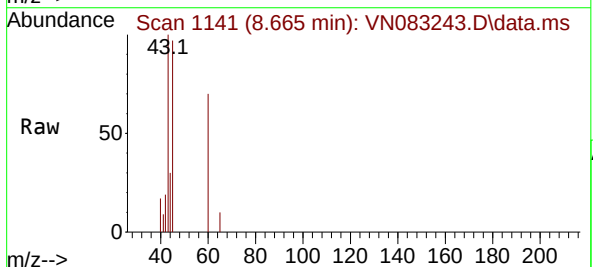
Tgt Ion: 43 Resp: 3165

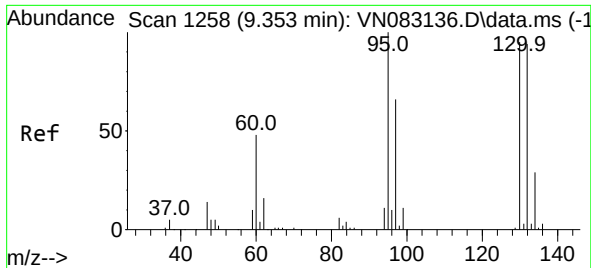
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

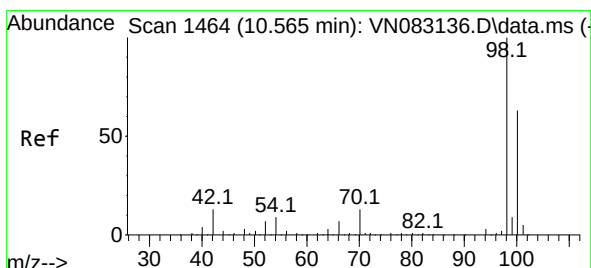
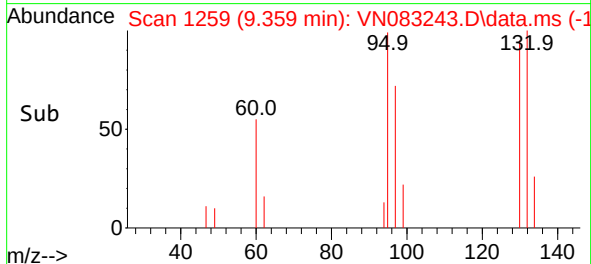
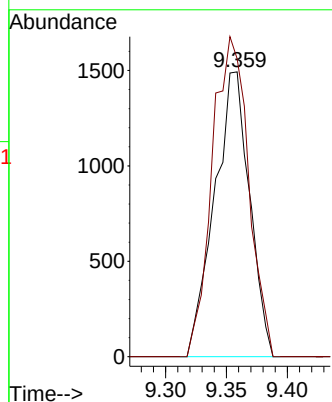
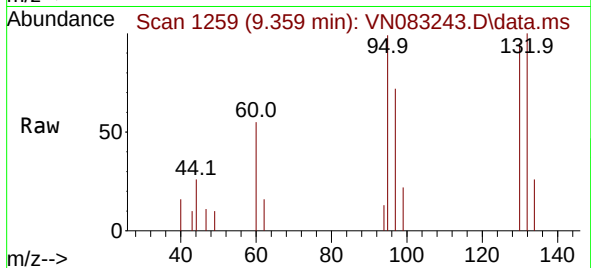




#44
Trichloroethene
Concen: 1.726 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

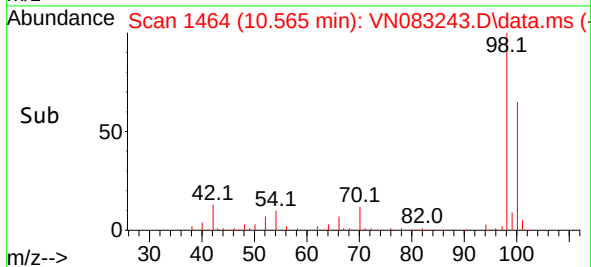
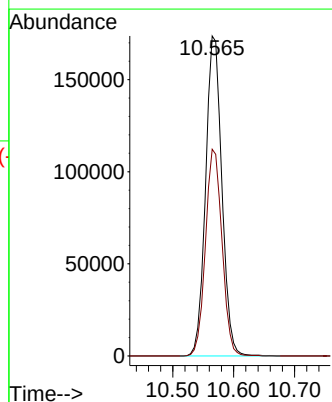
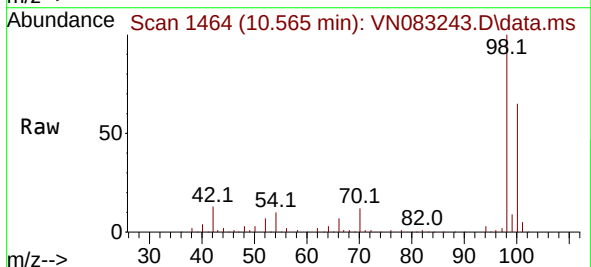
Instrument :
MSVOA_N
ClientSampleId :

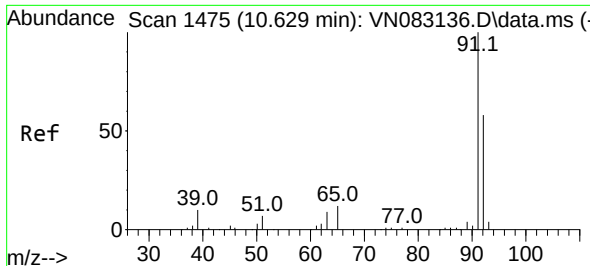
Tgt Ion:130 Resp: 2995
Ion Ratio Lower Upper
130 100
95 104.6 0.0 197.8



#50
Toluene-d8
Concen: 53.449 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

Tgt Ion: 98 Resp: 322457
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3

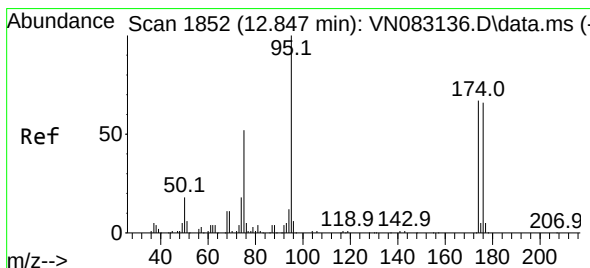
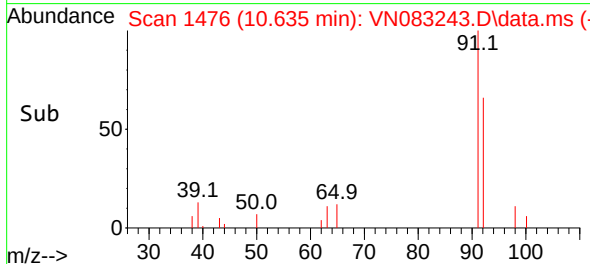
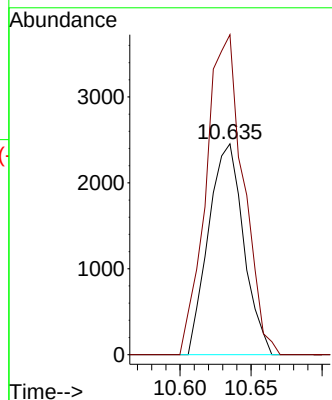
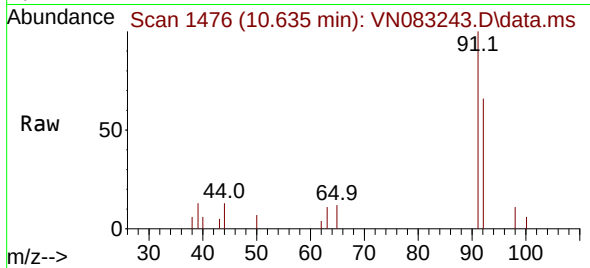




#52
Toluene
Concen: 0.917 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

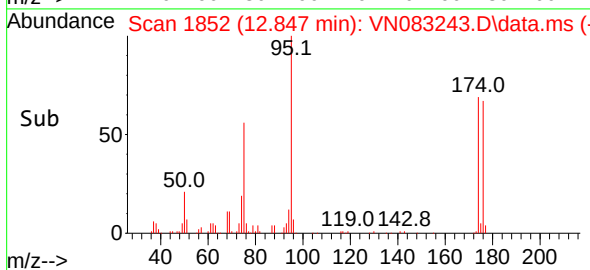
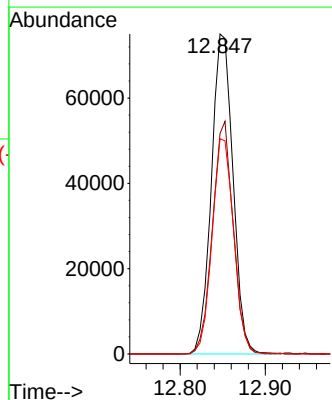
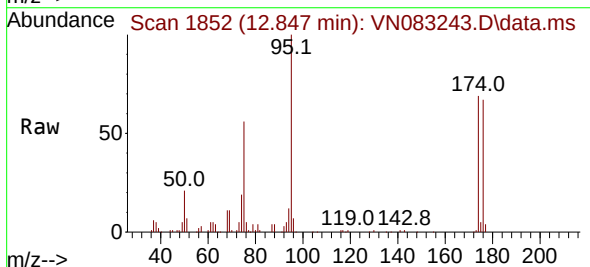
Instrument :
MSVOA_N
ClientSampleId :

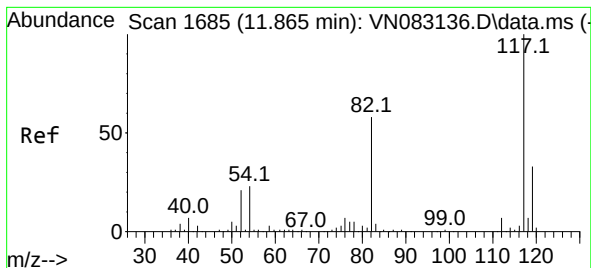
Tgt Ion: 92 Resp: 4224
Ion Ratio Lower Upper
92 100
91 161.5 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 56.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083243.D
Acq: 12 Aug 2024 17:24

Tgt Ion: 95 Resp: 132332
Ion Ratio Lower Upper
95 100
174 69.8 0.0 159.2
176 67.2 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Instrument :

MSVOA_N

ClientSampleId :

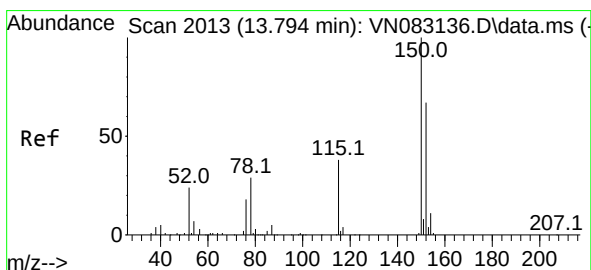
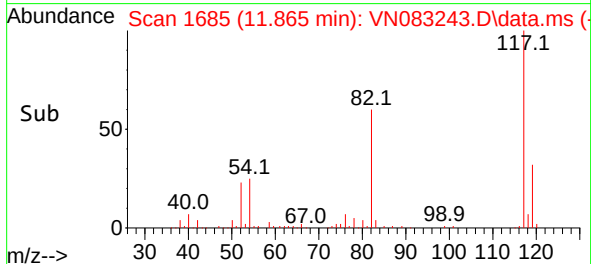
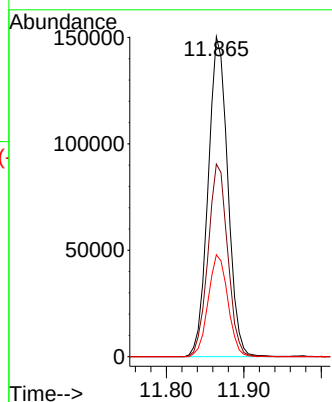
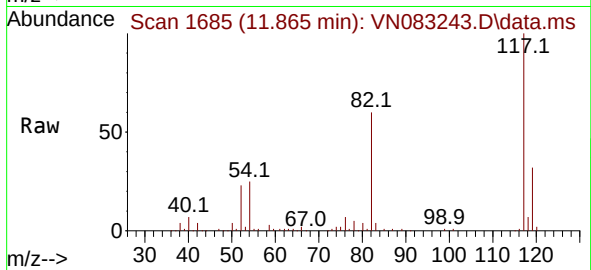
Tgt Ion:117 Resp: 264619

Ion Ratio Lower Upper

117 100

82 60.2 47.5 71.3

119 31.9 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: VN083243.D

Acq: 12 Aug 2024 17:24

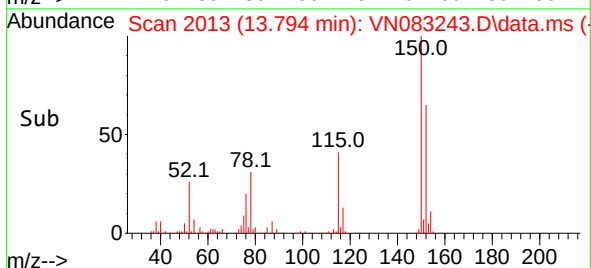
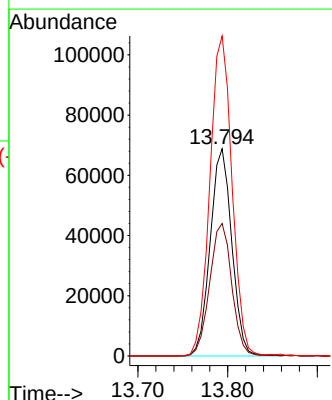
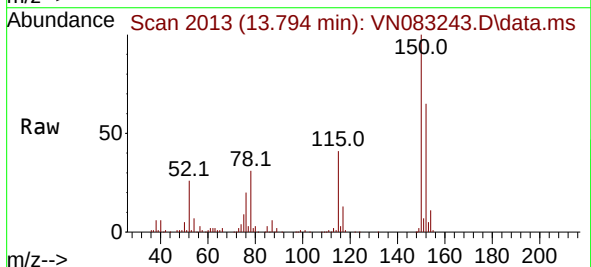
Tgt Ion:152 Resp: 115072

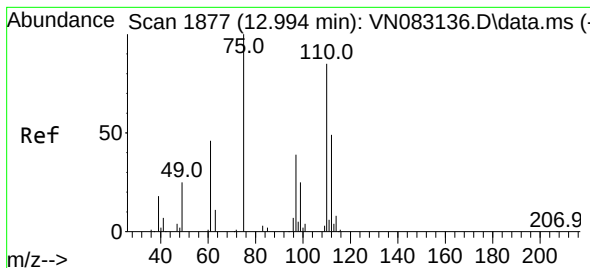
Ion Ratio Lower Upper

152 100

115 65.5 30.6 91.6

150 157.6 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 29.156 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Instrument :

MSVOA_N

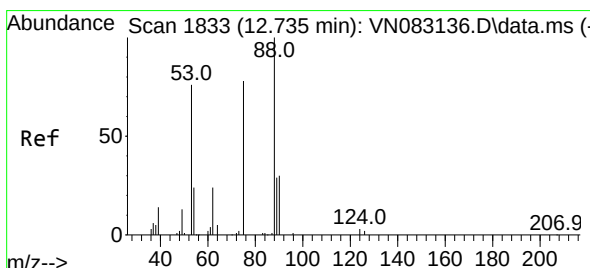
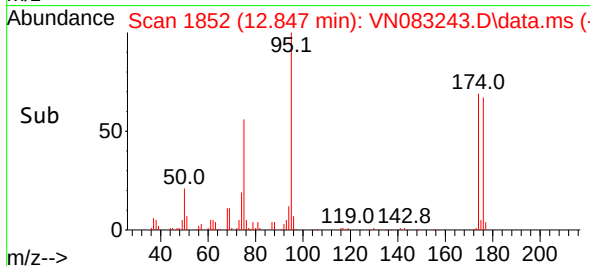
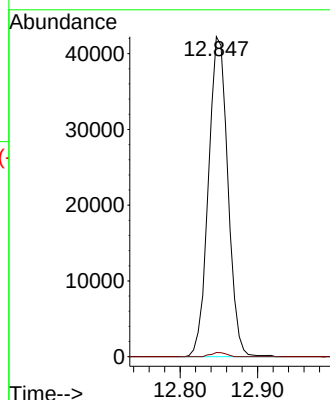
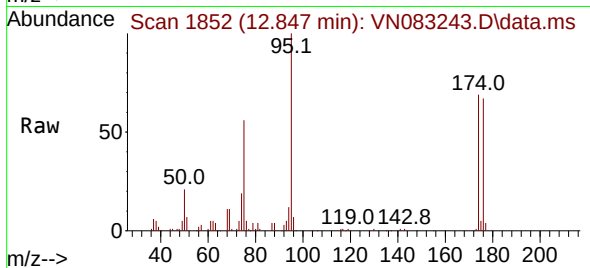
ClientSampleId :

Tgt Ion: 75 Resp: 73636

Ion Ratio Lower Upper

75 100

77 1.0 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.422 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083243.D

Acq: 12 Aug 2024 17:24

Tgt Ion: 75 Resp: 73636

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 36.3 54.5#

