

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081424\
 Data File : VN083299.D
 Acq On : 14 Aug 2024 14:27
 Operator : JC\MD
 Sample : P3429-03DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 23:23:20 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)

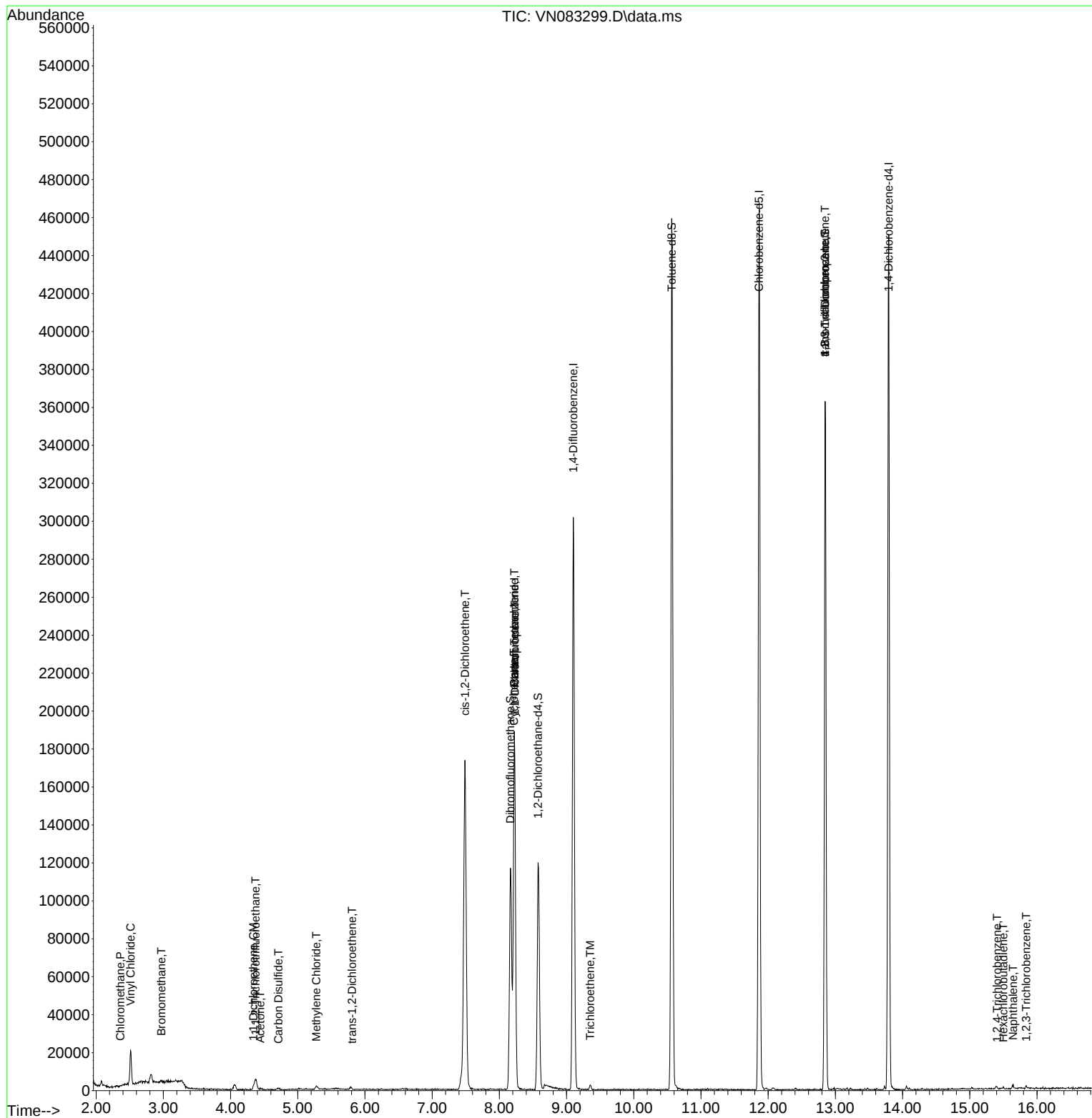
Internal Standards						
1) Pentafluorobenzene	8.224	168	130132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104430	56.379	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.760%			
35) Dibromofluoromethane	8.165	113	83334	52.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.400%			
50) Toluene-d8	10.565	98	313451	53.137	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.280%			
62) 4-Bromofluorobenzene	12.847	95	131983	57.391	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 114.780%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	335	0.222	ug/l #	43
4) Vinyl Chloride	2.512	62	16972	11.009	ug/l	94
5) Bromomethane	2.971	94	415	0.434	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	4.371	101	4370	3.112	ug/l	94
12) 1,1-Dichloroethene	4.342	96	309	0.214	ug/l #	35
16) Acetone	4.442	43	1115	1.538	ug/l #	74
17) Carbon Disulfide	4.712	76	1726	0.409	ug/l #	75
20) Methylene Chloride	5.277	84	1187	0.712	ug/l	82
21) trans-1,2-Dichloroethene	5.806	96	866	0.581	ug/l #	21
27) cis-1,2-Dichloroethene	7.488	96	102086	56.742	ug/l	83
31) Cyclohexane	8.218	56	3363	1.225	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	11892	4.971	ug/l #	52
38) Carbon Tetrachloride	8.224	117	14596	5.417	ug/l #	18
43) Isopropyl Acetate	8.694	43	2462	Below Cal	#	60
44) Trichloroethene	9.353	130	859	0.506	ug/l	79
76) 1,2,3-Trichloropropane	12.847	75	71591	28.287	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71591	61.530	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.406	180	623	0.285	ug/l #	74
94) Hexachlorobutadiene	15.500	225	328	0.337	ug/l #	41
95) Naphthalene	15.647	128	2661	0.344	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.841	180	787	0.364	ug/l #	74

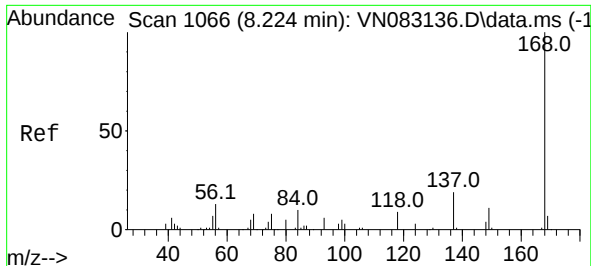
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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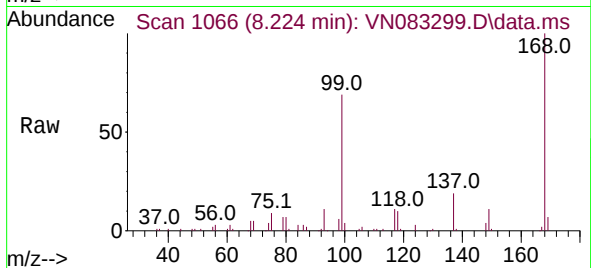
Quant Time: Aug 14 23:23:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
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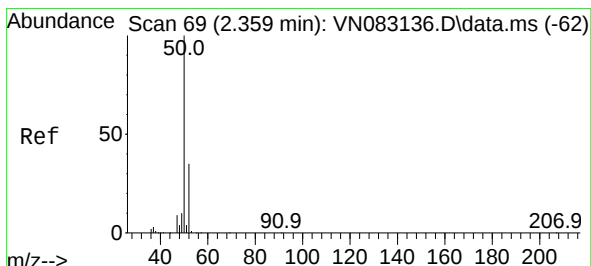
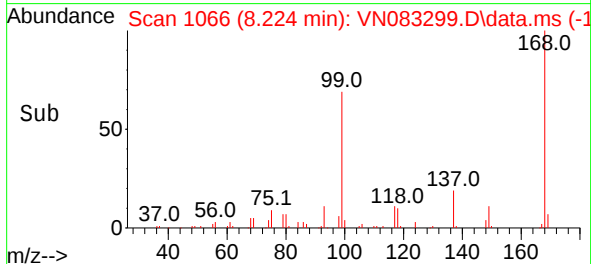
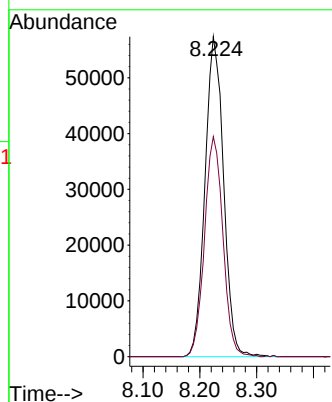


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

Instrument :
MSVOA_N
ClientSampleId :

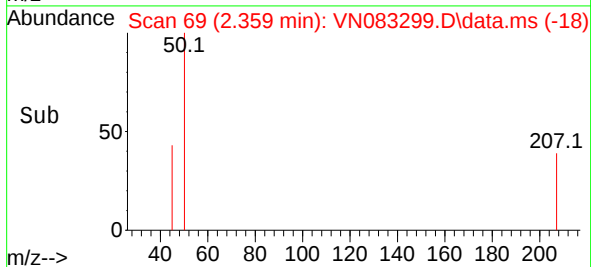
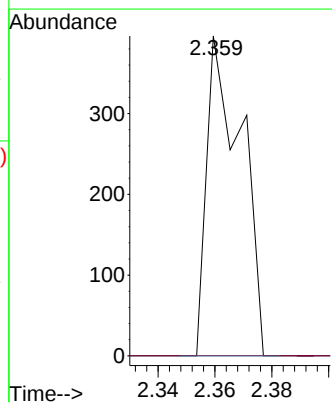
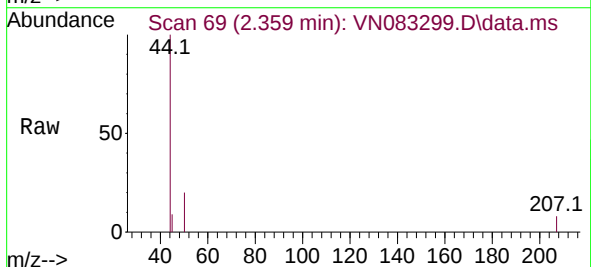


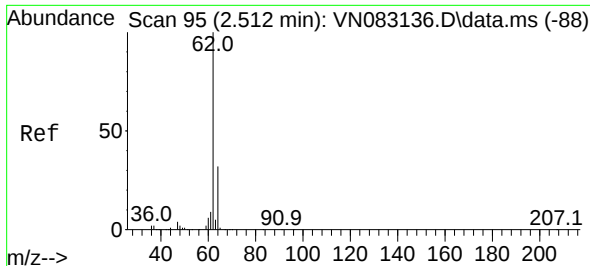
Tgt Ion:168 Resp: 130132
Ion Ratio Lower Upper
168 100
99 68.8 48.2 72.4



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

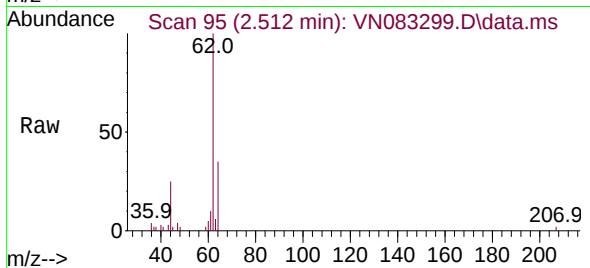
Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



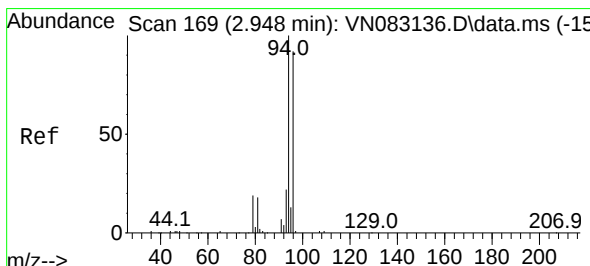
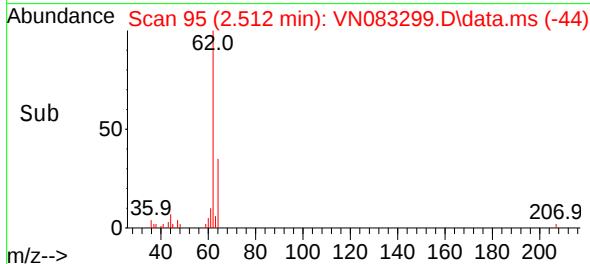
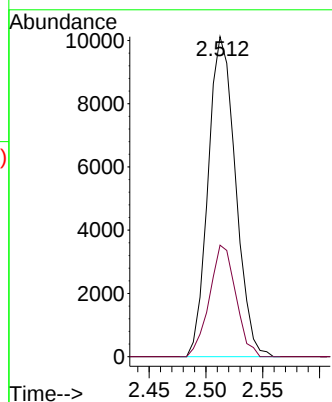


#4
 Vinyl Chloride
 Concen: 11.009 ug/l
 RT: 2.512 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

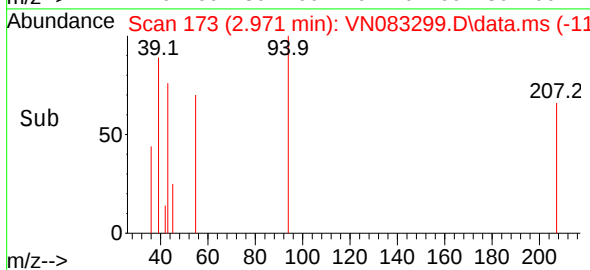
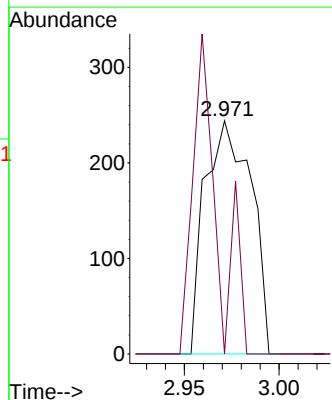
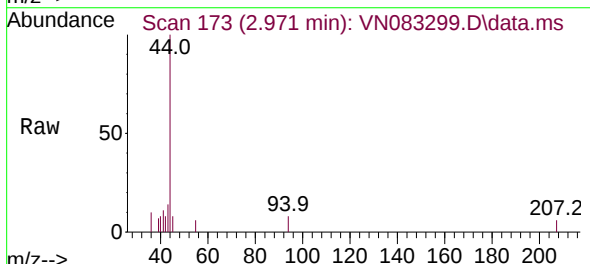


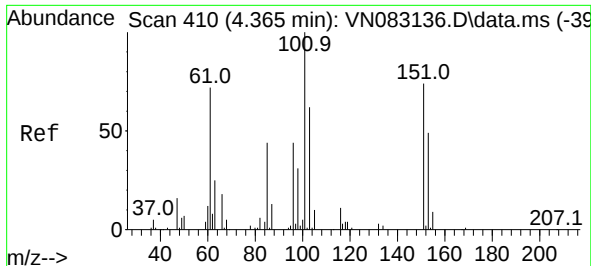
Tgt Ion: 62 Resp: 16972
 Ion Ratio Lower Upper
 62 100
 64 34.8 25.0 37.6



#5
 Bromomethane
 Concen: 0.434 ug/l
 RT: 2.971 min Scan# 173
 Delta R.T. 0.024 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

Tgt Ion: 94 Resp: 415
 Ion Ratio Lower Upper
 94 100
 96 0.0 78.0 117.0#

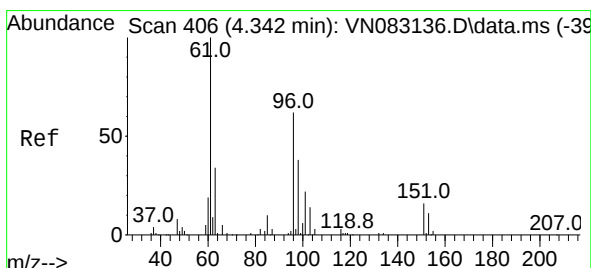
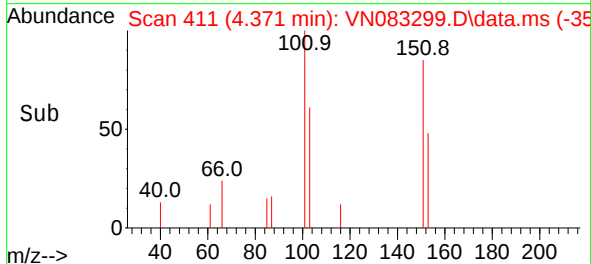
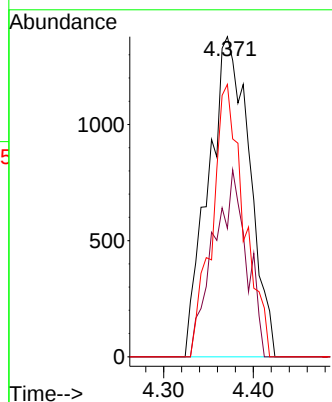
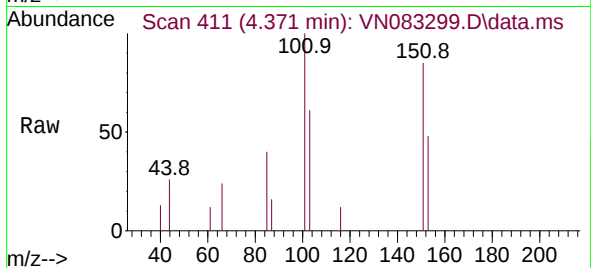




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.112 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

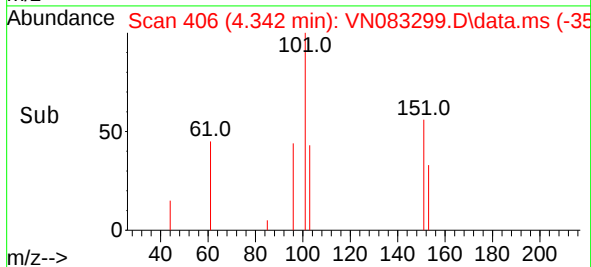
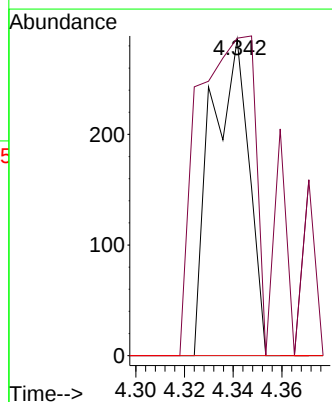
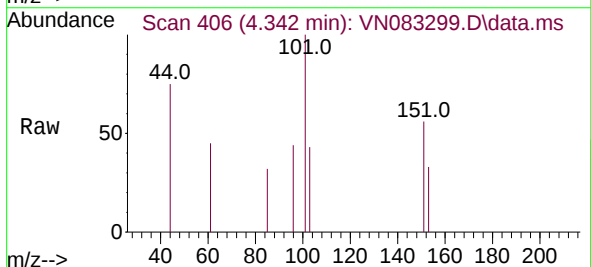
Instrument :
MSVOA_N
ClientSampleId :

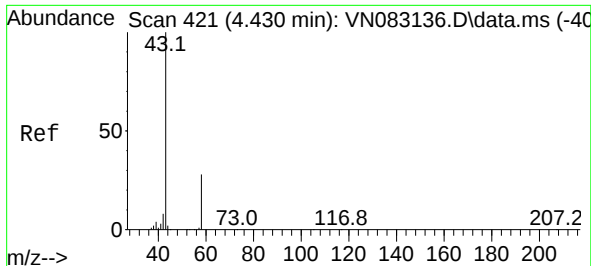
Tgt Ion:101 Resp: 4370
Ion Ratio Lower Upper
101 100
85 46.9 38.3 57.5
151 65.9 59.3 88.9



#12
1,1-Dichloroethene
Concen: 0.214 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

Tgt Ion: 96 Resp: 309
Ion Ratio Lower Upper
96 100
61 100.3 149.7 224.5#
98 0.0 50.1 75.1#





#16

Acetone

Concen: 1.538 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

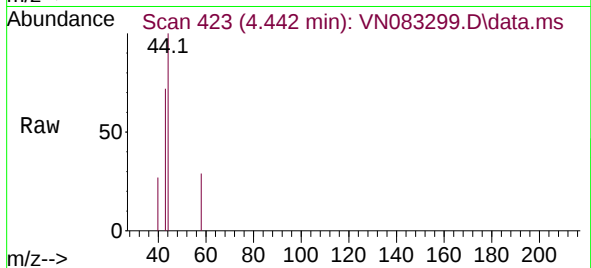
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :

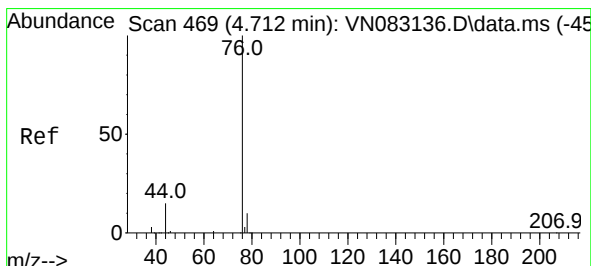
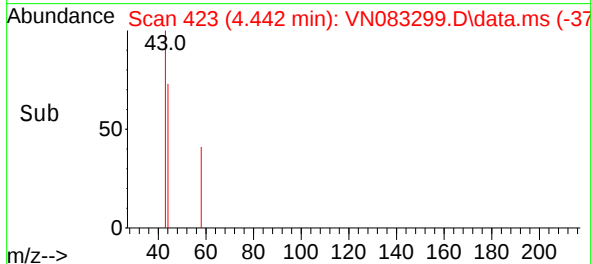
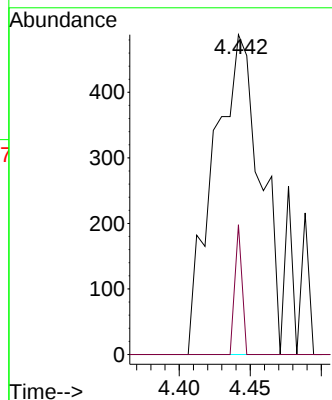


Tgt Ion: 43 Resp: 1115

Ion Ratio Lower Upper

43 100

58 40.6 21.8 32.6#



#17

Carbon Disulfide

Concen: 0.409 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN083299.D

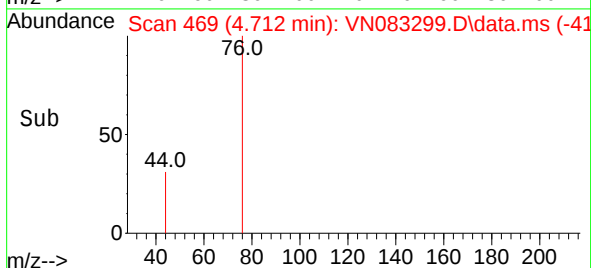
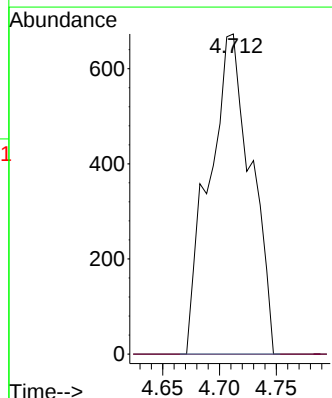
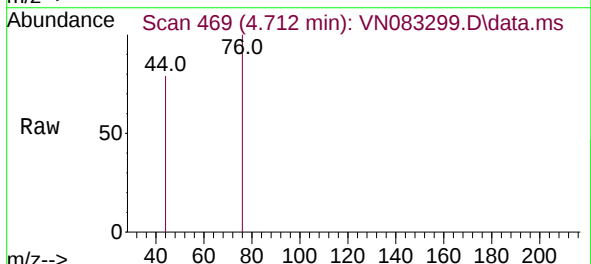
Acq: 14 Aug 2024 14:27

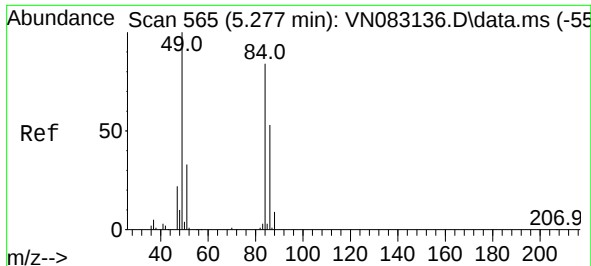
Tgt Ion: 76 Resp: 1726

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.712 ug/l

RT: 5.277 min Scan# 51

Delta R.T. 0.000 min

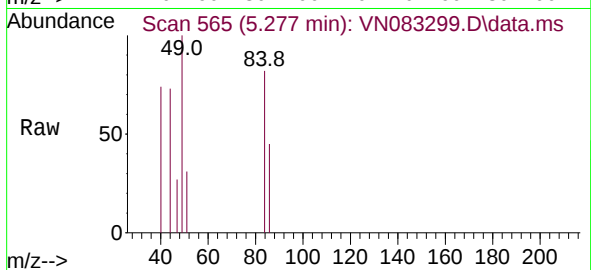
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1187

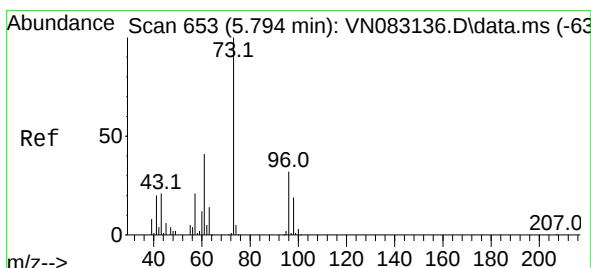
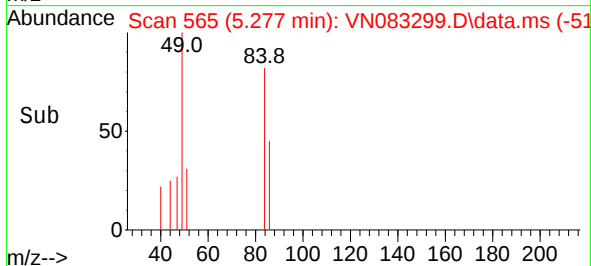
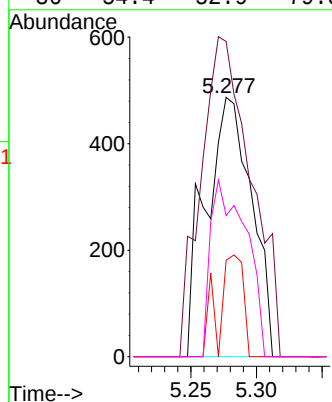
Ion Ratio Lower Upper

84 100

49 121.6 119.6 179.4

51 37.2 34.8 52.2

86 54.4 52.9 79.3



#21

trans-1,2-Dichloroethene

Concen: 0.581 ug/l

RT: 5.806 min Scan# 655

Delta R.T. 0.012 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

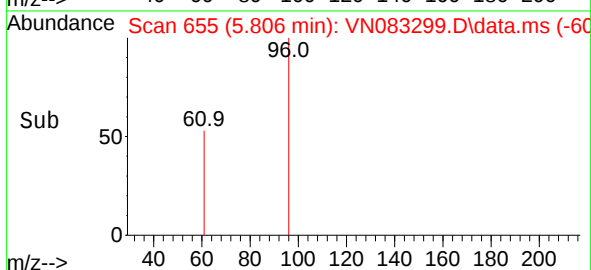
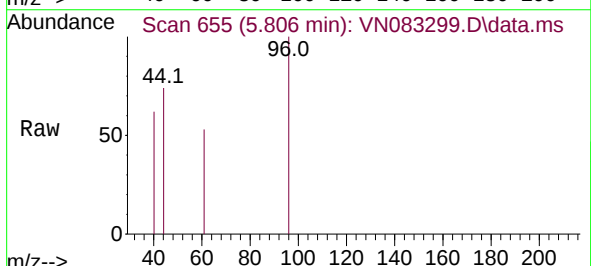
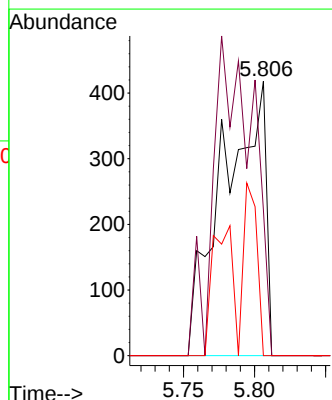
Tgt Ion: 96 Resp: 866

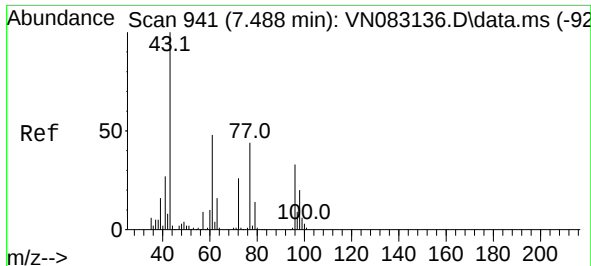
Ion Ratio Lower Upper

96 100

61 53.1 123.4 185.2#

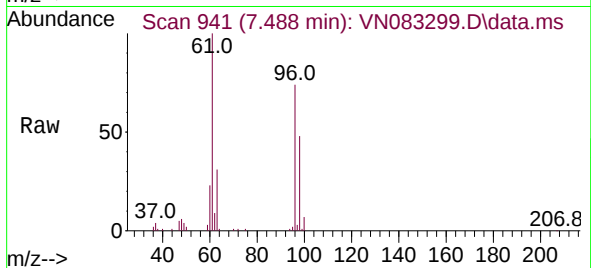
98 0.0 49.3 73.9#



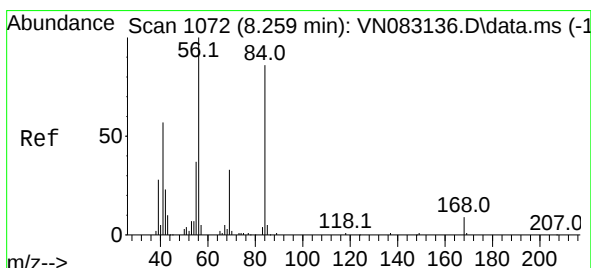
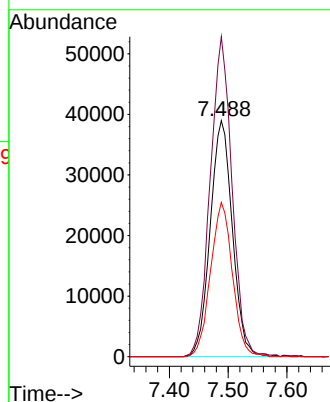
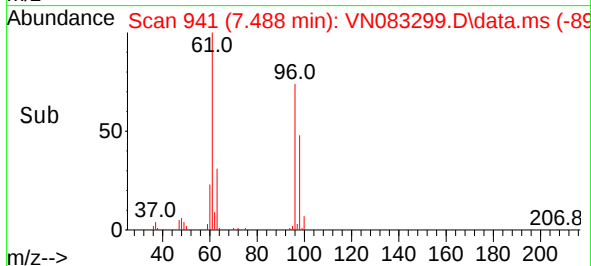


#27
 cis-1,2-Dichloroethene
 Concen: 56.742 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

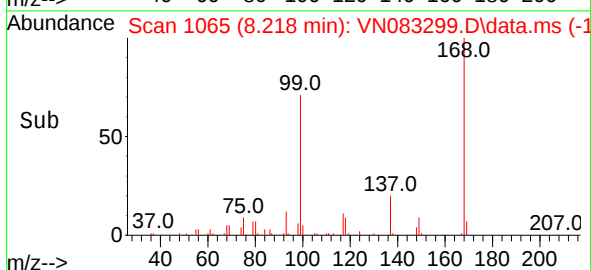
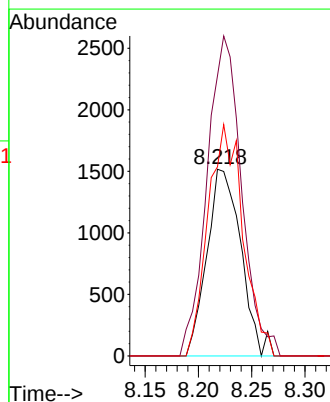
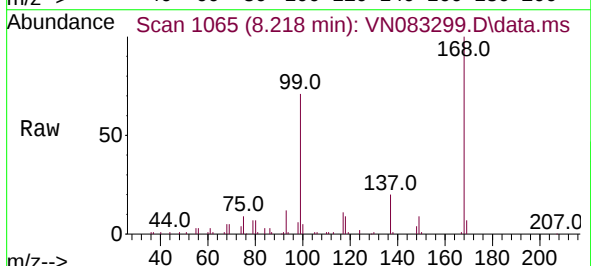


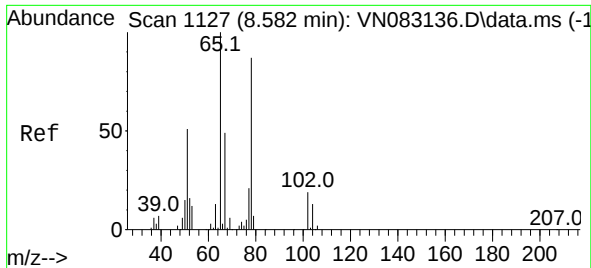
Tgt Ion: 96 Resp: 102086
 Ion Ratio Lower Upper
 96 100
 61 133.3 0.0 329.6
 98 64.5 0.0 128.6



#31
 Cyclohexane
 Concen: 1.225 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.041 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

Tgt Ion: 56 Resp: 3363
 Ion Ratio Lower Upper
 56 100
 69 150.0 24.5 36.7#
 84 101.3 66.0 99.0#

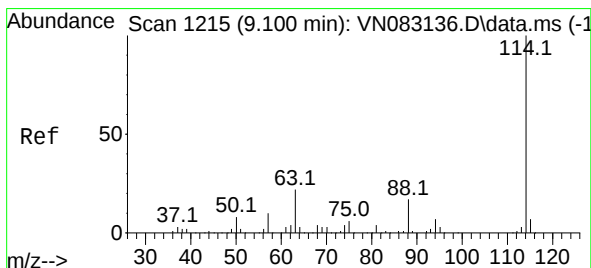
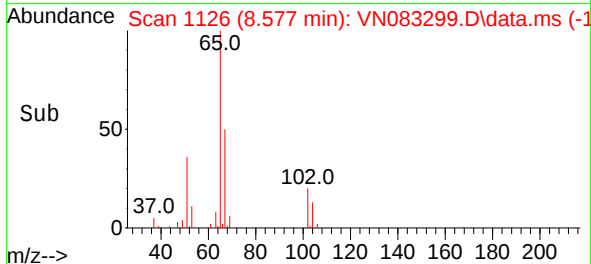
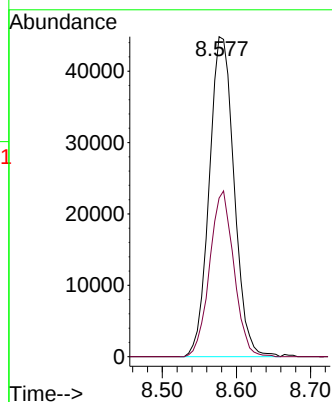
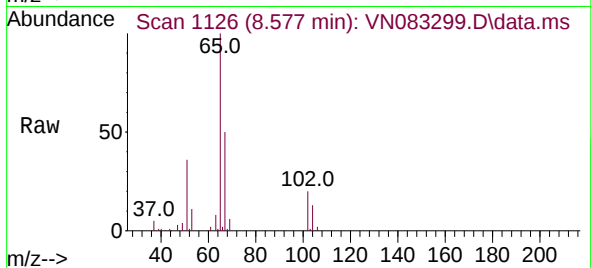




#33
1,2-Dichloroethane-d4
Concen: 56.379 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

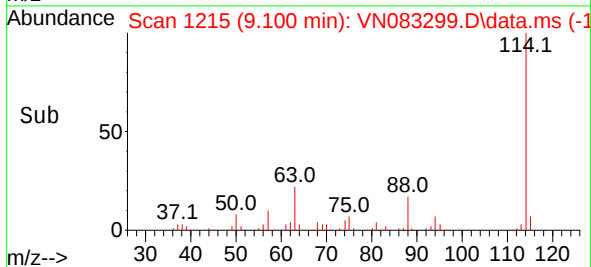
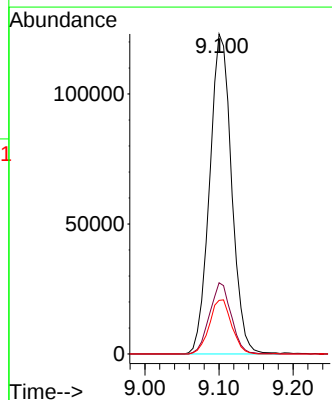
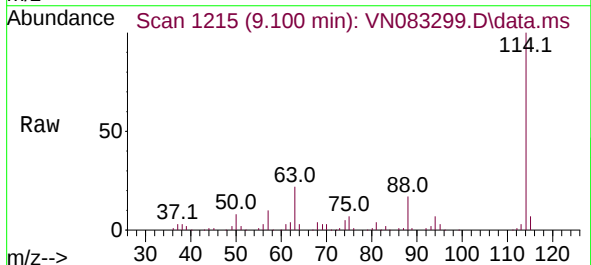
Instrument :
MSVOA_N
ClientSampleId :

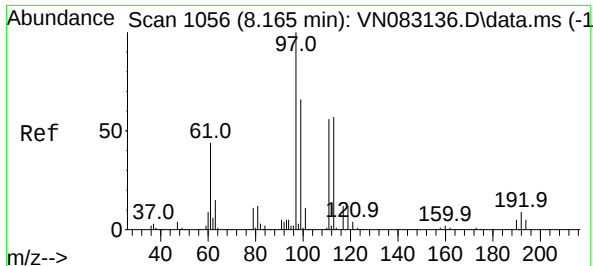
Tgt Ion: 65 Resp: 104430
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

Tgt Ion:114 Resp: 253353
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 16.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.697 ug/l

RT: 8.165 min Scan# 1067

Delta R.T. -0.000 min

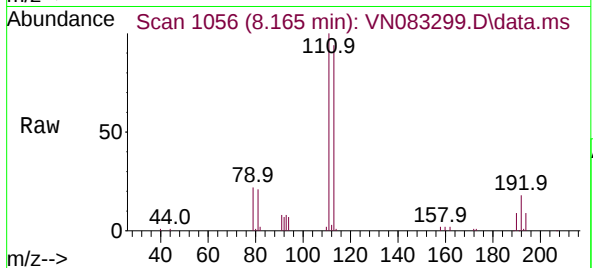
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

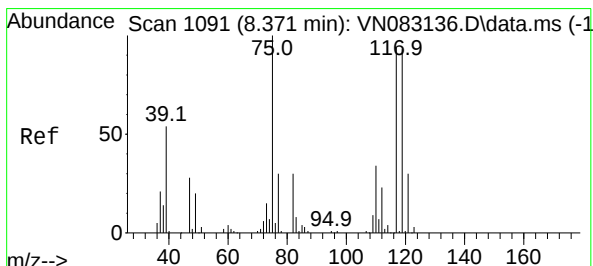
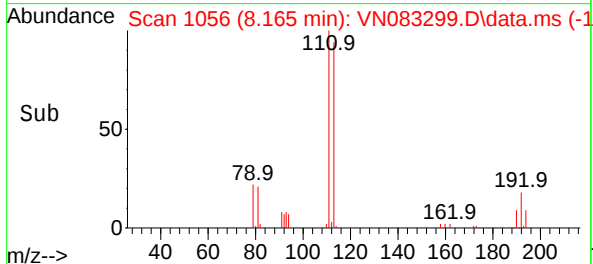
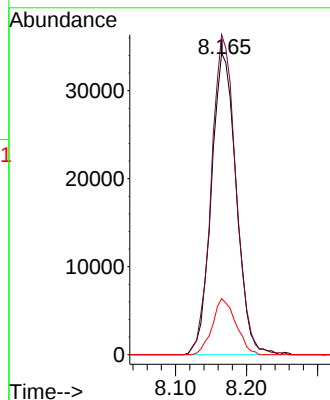
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	83334
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.4	123.6
192	17.6	14.9	22.3



#36

1,1-Dichloropropene

Concen: 4.971 ug/l

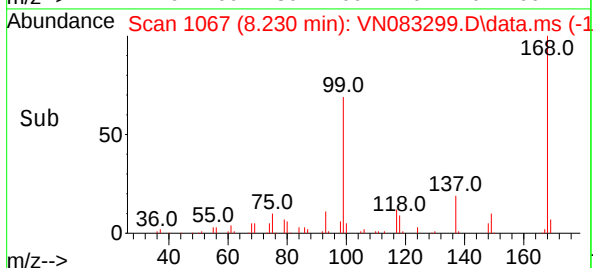
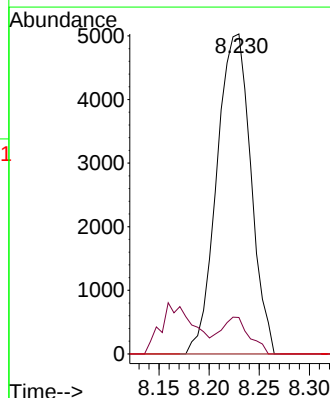
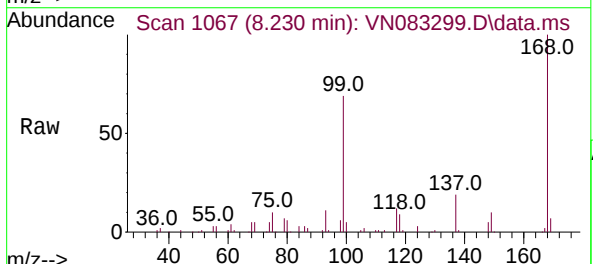
RT: 8.230 min Scan# 1067

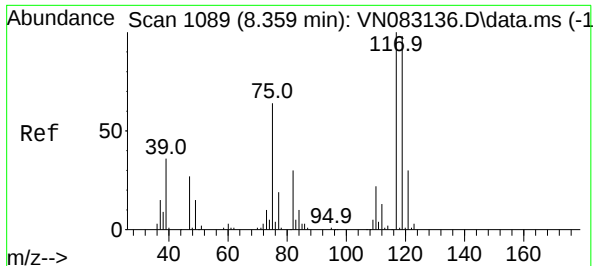
Delta R.T. -0.141 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Tgt Ion:	75	Resp:	11892
Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.3	48.9#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.417 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

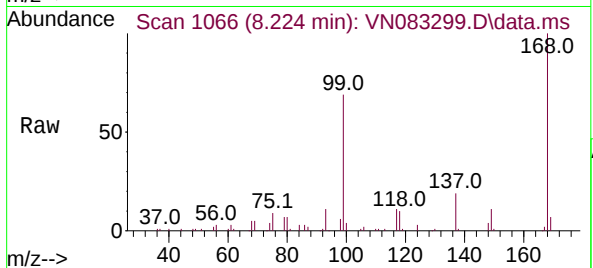
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :



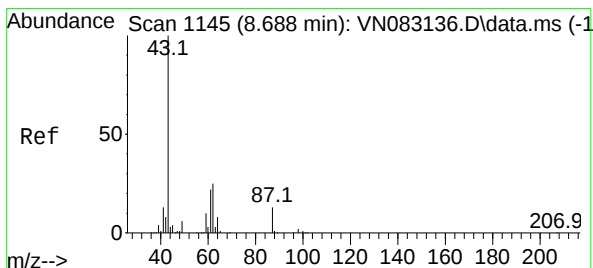
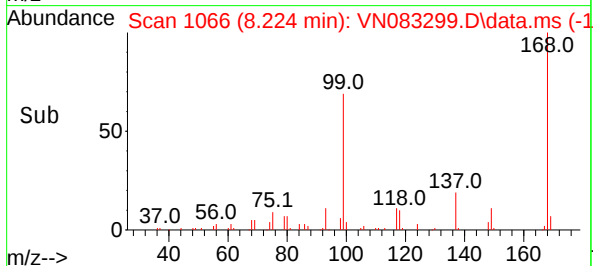
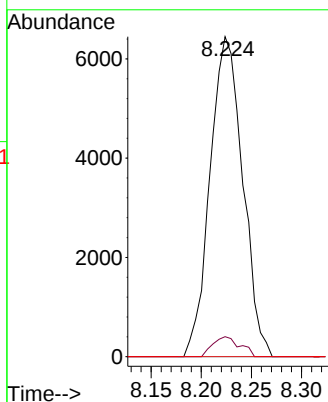
Tgt Ion:117 Resp: 14596

Ion Ratio Lower Upper

117 100

119 6.3 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

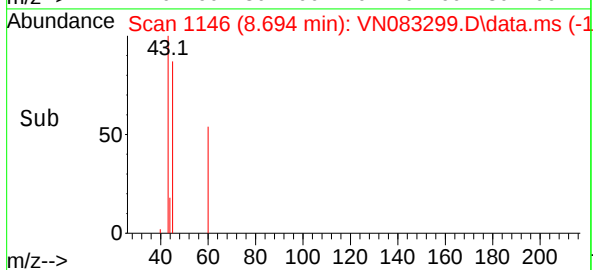
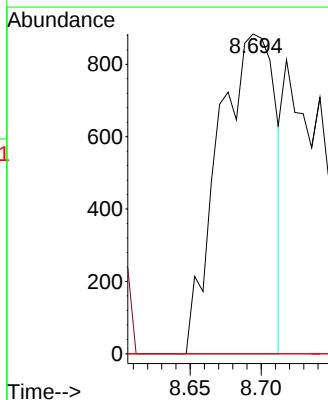
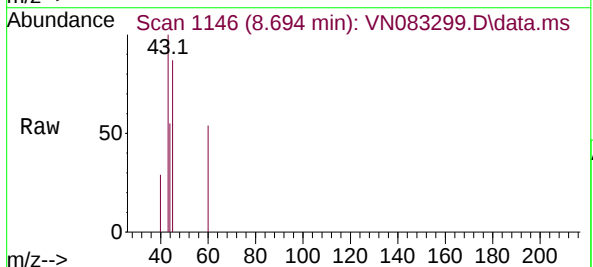
Tgt Ion: 43 Resp: 2462

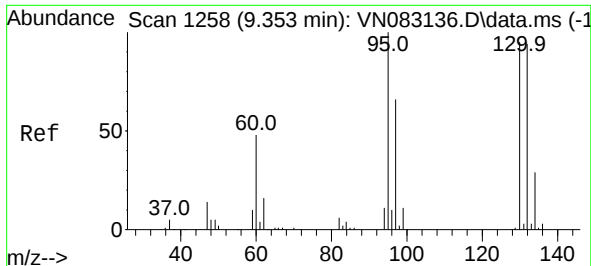
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#





#44

Trichloroethene

Concen: 0.506 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

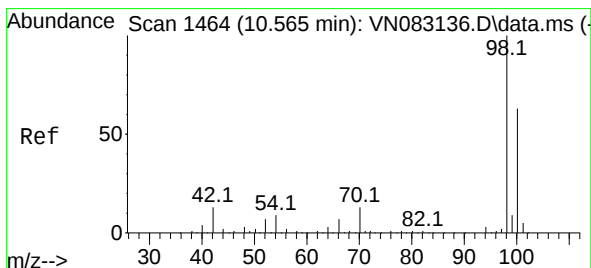
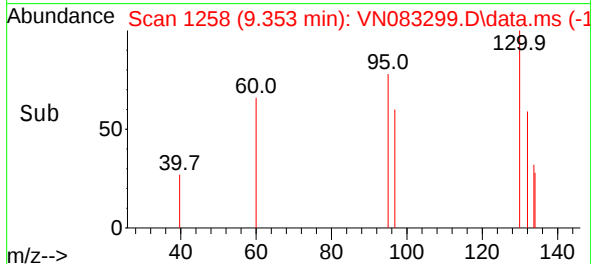
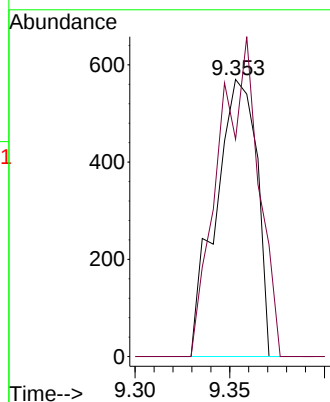
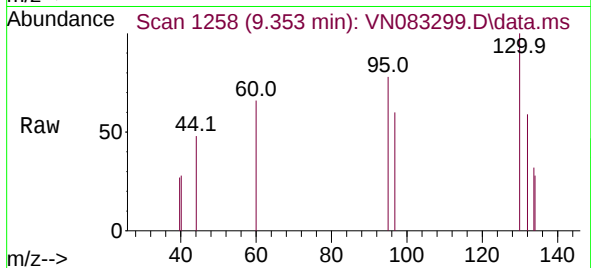
ClientSampleId :

Tgt Ion:130 Resp: 859

Ion Ratio Lower Upper

130 100

95 78.4 0.0 197.8



#50

Toluene-d8

Concen: 53.137 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083299.D

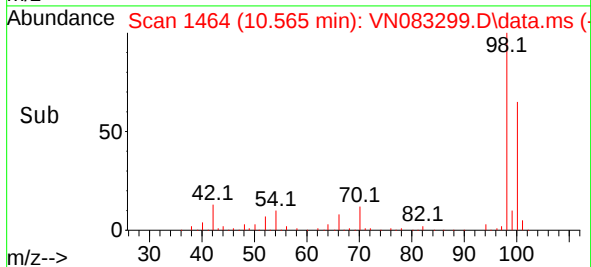
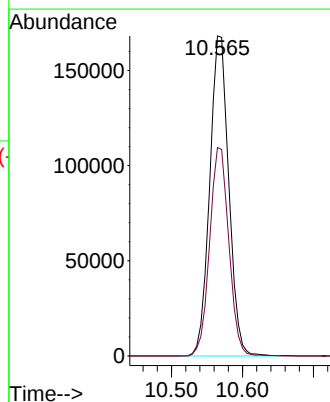
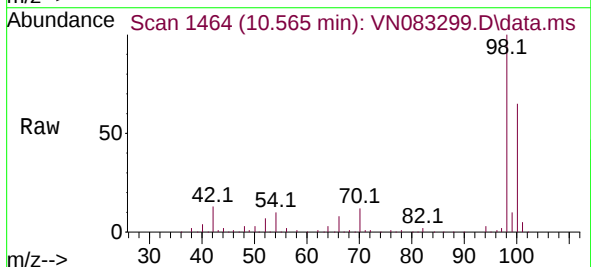
Acq: 14 Aug 2024 14:27

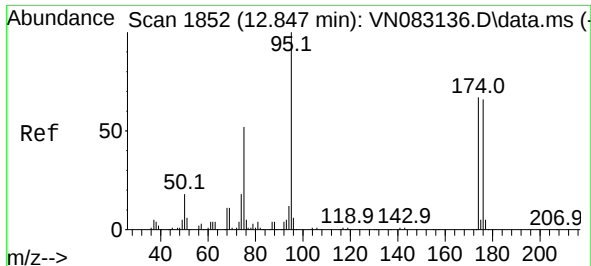
Tgt Ion: 98 Resp: 313451

Ion Ratio Lower Upper

98 100

100 65.5 51.5 77.3





#62

4-Bromofluorobenzene

Concen: 57.391 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :

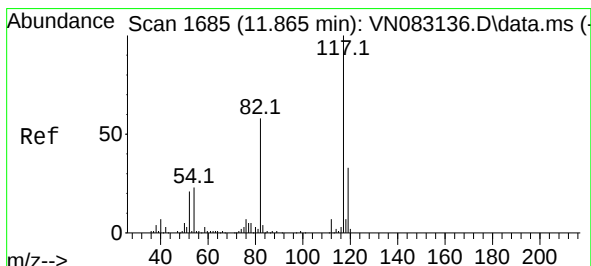
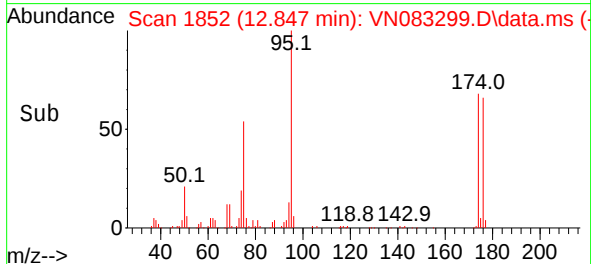
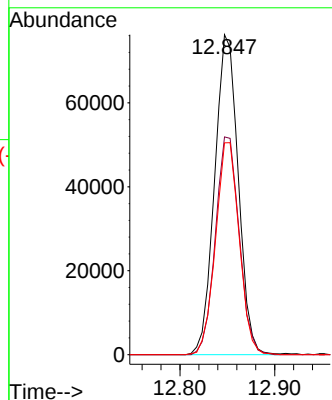
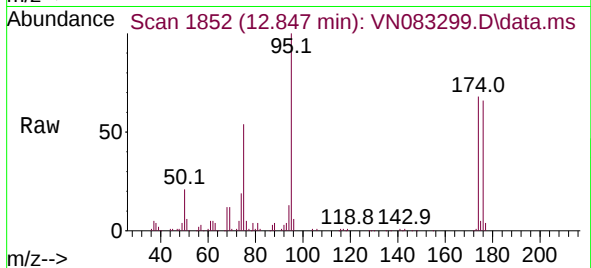
Tgt Ion: 95 Resp: 131983

Ion Ratio Lower Upper

95 100

174 68.7 0.0 159.2

176 66.4 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: VN083299.D

Acq: 14 Aug 2024 14:27

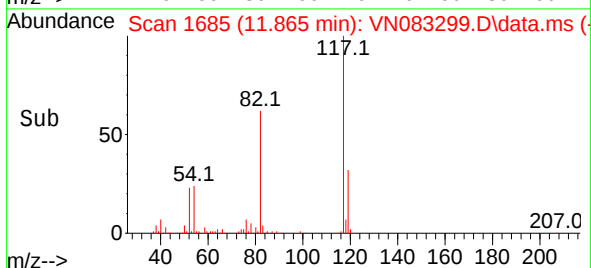
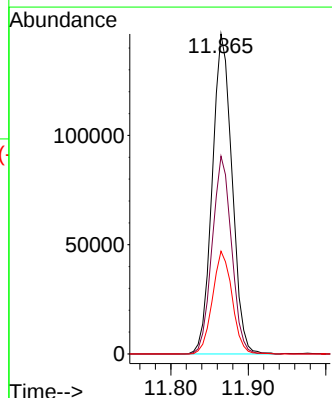
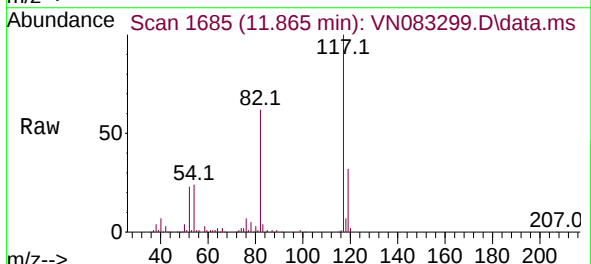
Tgt Ion:117 Resp: 260285

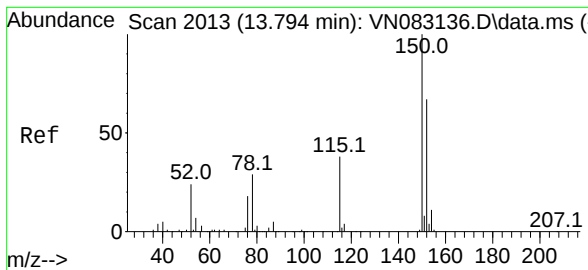
Ion Ratio Lower Upper

117 100

82 61.8 47.5 71.3

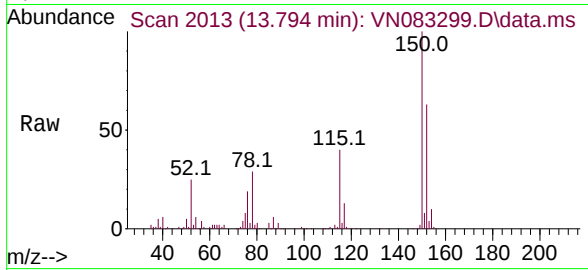
119 32.1 25.6 38.4



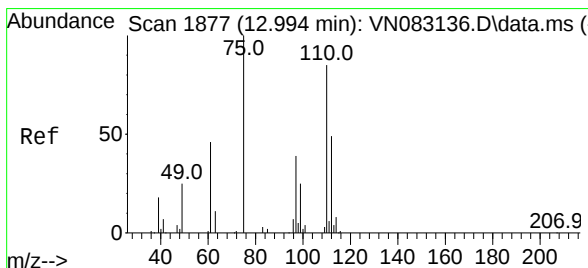
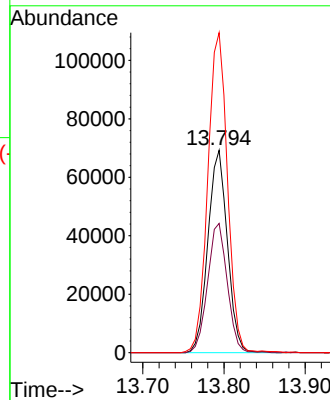
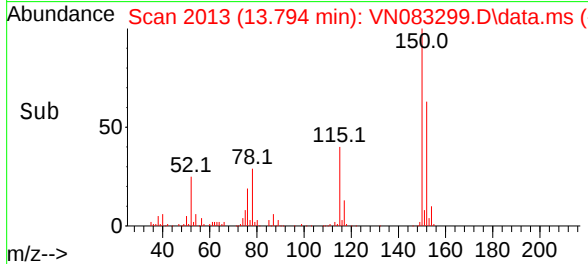


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

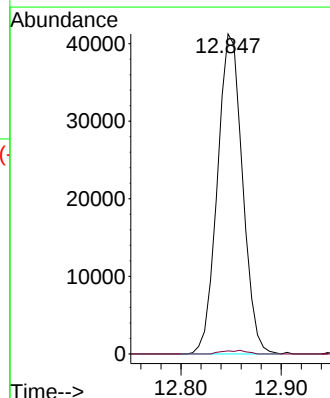
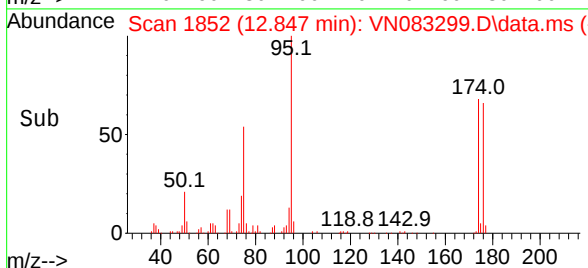
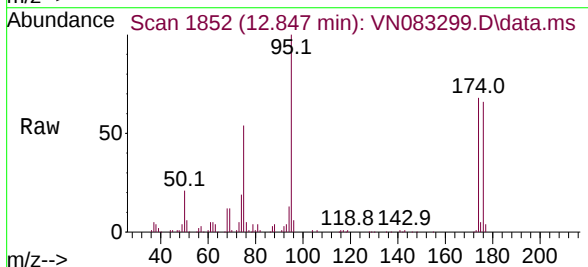


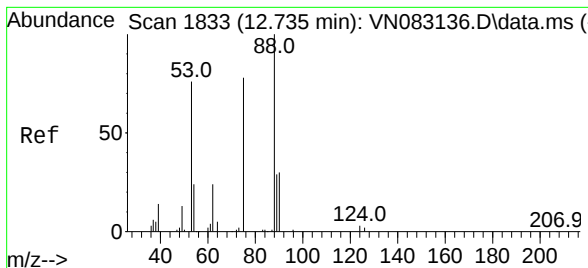
Tgt Ion:152 Resp: 115317
 Ion Ratio Lower Upper
 152 100
 115 64.3 30.6 91.6
 150 159.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 28.287 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083299.D
 Acq: 14 Aug 2024 14:27

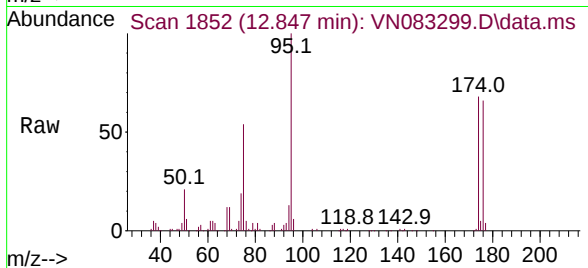
Tgt Ion: 75 Resp: 71591
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#



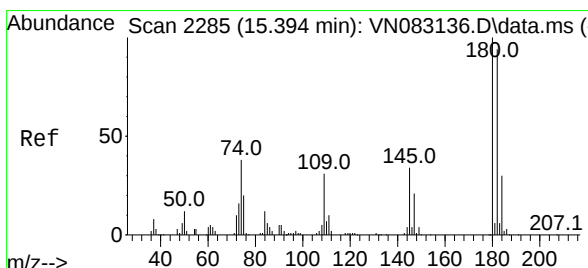
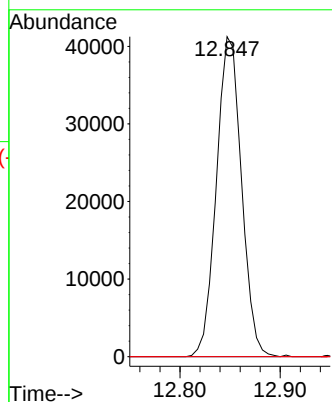
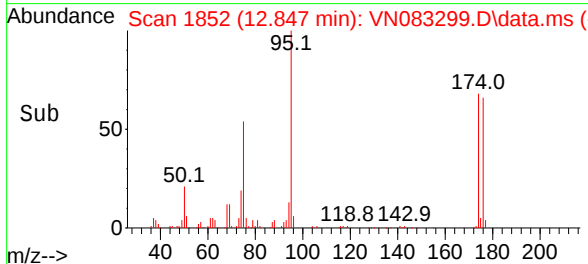


#81
trans-1,4-Dichloro-2-butene
Concen: 61.530 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27

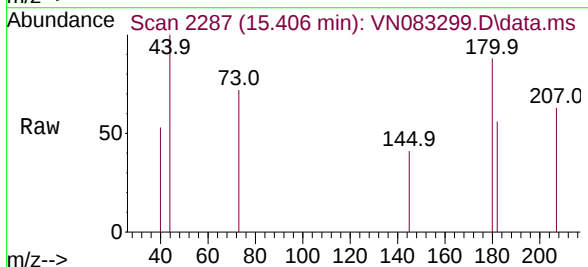
Instrument :
MSVOA_N
ClientSampleId :



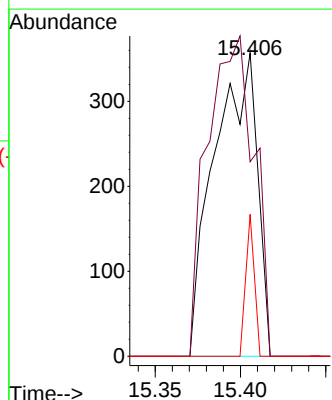
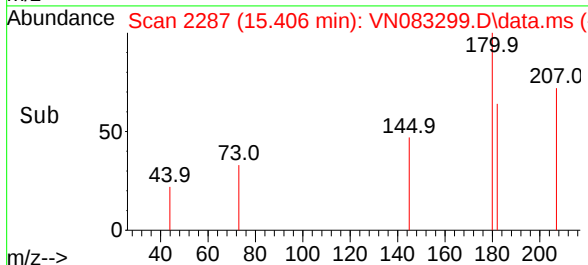
Tgt Ion: 75 Resp: 71591
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

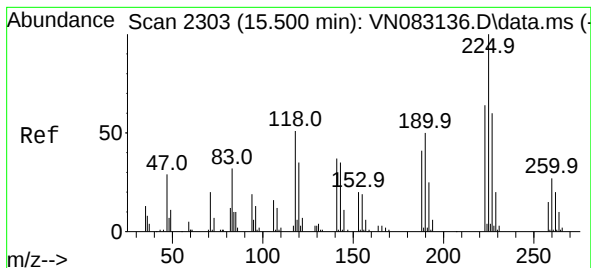


#93
1,2,4-Trichlorobenzene
Concen: 0.285 ug/l
RT: 15.406 min Scan# 2287
Delta R.T. 0.012 min
Lab File: VN083299.D
Acq: 14 Aug 2024 14:27



Tgt Ion: 180 Resp: 623
Ion Ratio Lower Upper
180 100
182 114.8 47.3 141.8
145 9.5 15.7 47.1#





#94

Hexachlorobutadiene

Concen: 0.337 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

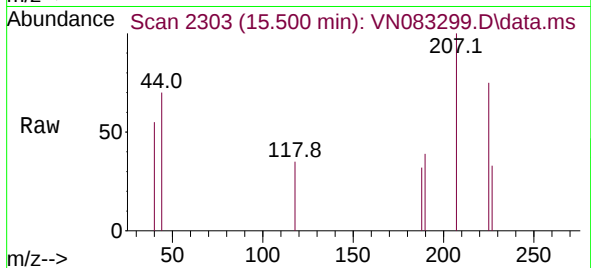
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

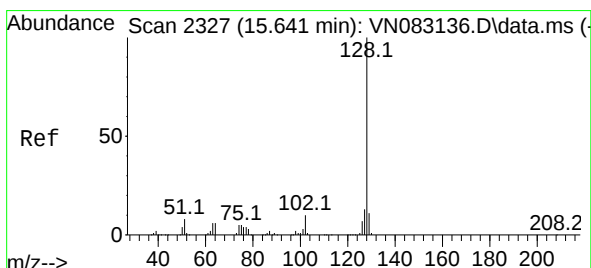
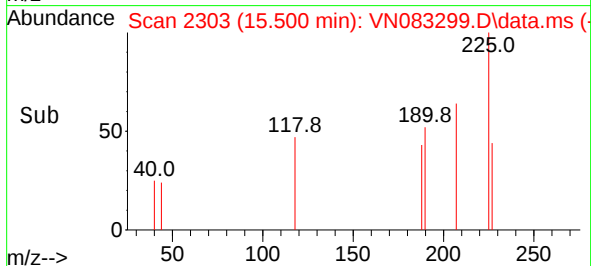
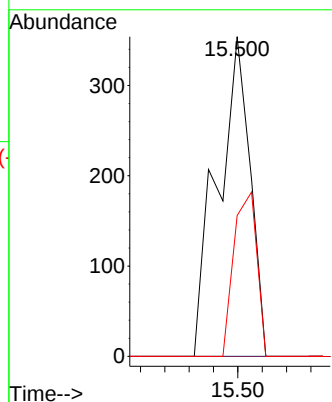
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	225	Resp:	328
Ion Ratio	Lower	Upper	
225	100		
223	0.0	31.9	95.7#
227	36.3	32.5	97.5



#95

Naphthalene

Concen: 0.344 ug/l

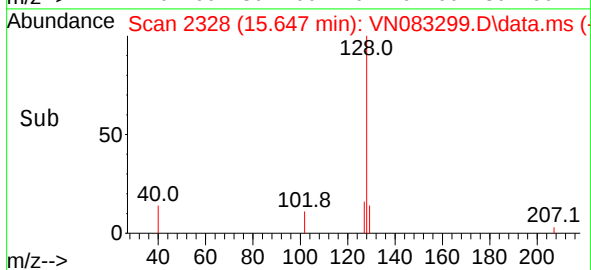
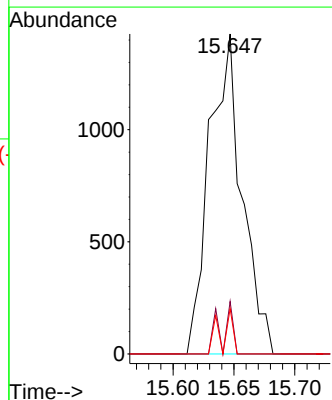
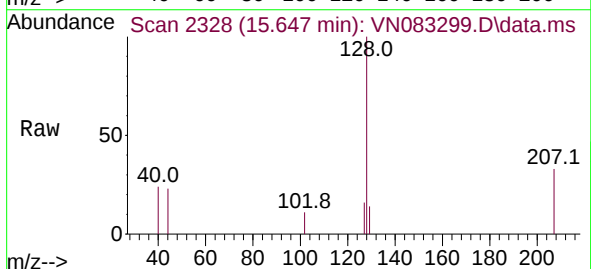
RT: 15.647 min Scan# 2328

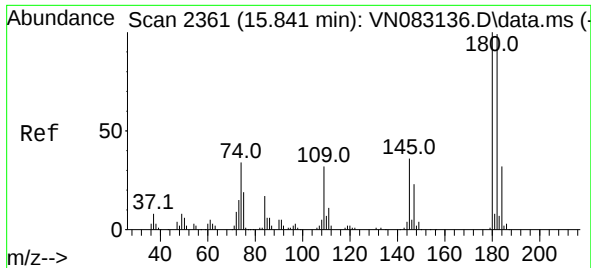
Delta R.T. 0.006 min

Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Tgt Ion:	128	Resp:	2661
Ion Ratio	Lower	Upper	
128	100		
127	2.7	10.6	16.0#
129	2.3	8.6	12.8#





#96

1,2,3-Trichlorobenzene

Concen: 0.364 ug/l

RT: 15.841 min Scan# 24

Delta R.T. 0.000 min

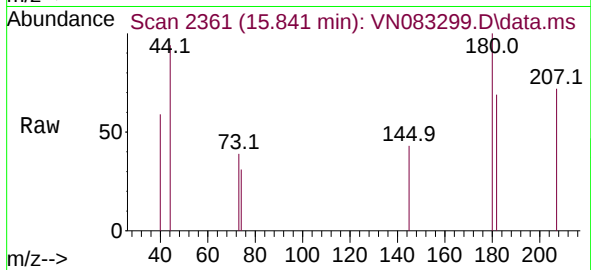
Lab File: VN083299.D

Acq: 14 Aug 2024 14:27

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 787

Ion Ratio Lower Upper

180 100

182 77.6 48.9 146.8

145 9.9 16.8 50.4#

