

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083671.D
 Acq On : 05 Sep 2024 13:27
 Operator : JC\MD
 Sample : P3802-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 02:16:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

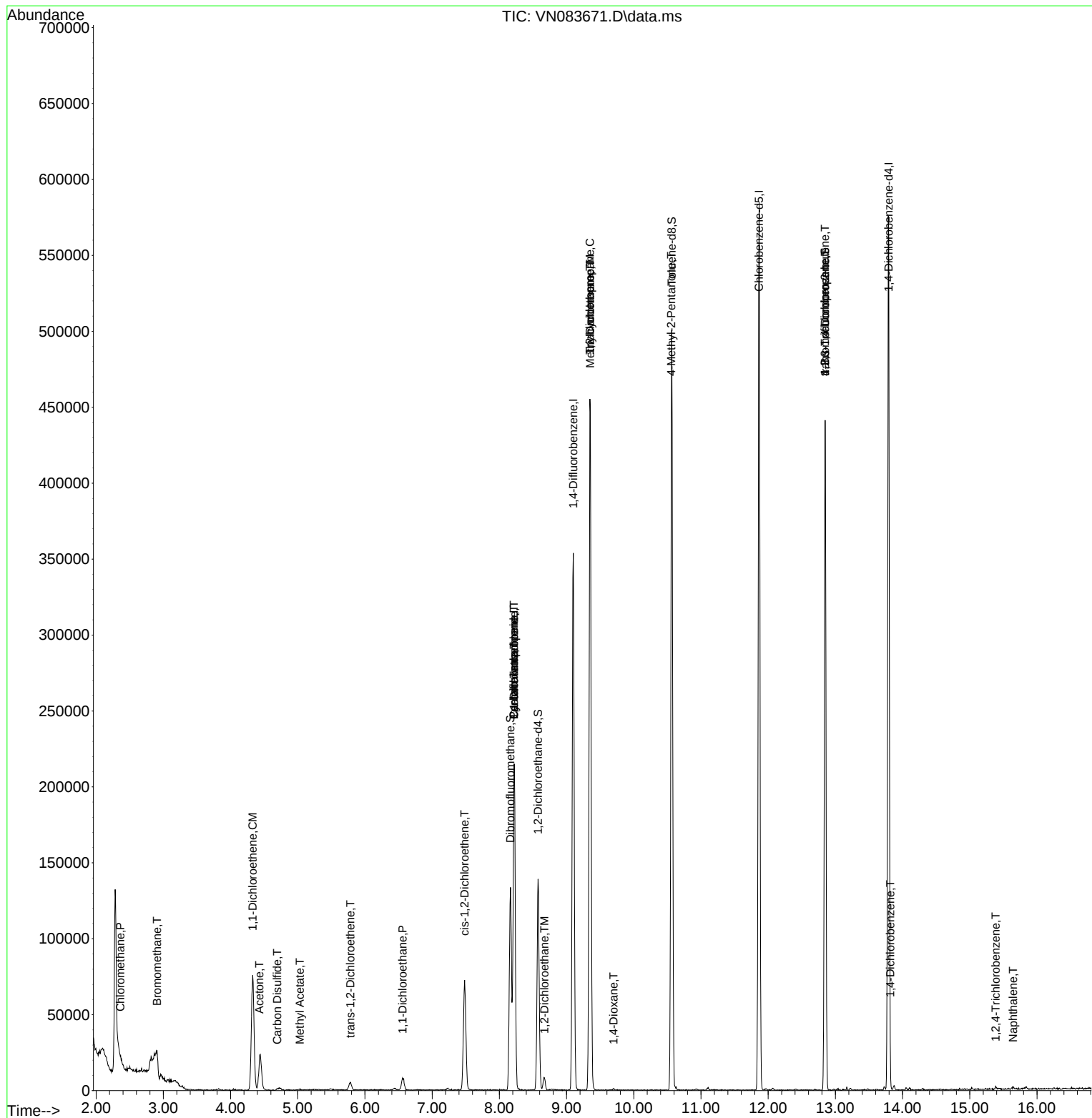
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	147996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115197	55.694	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.380%
35) Dibromofluoromethane	8.165	113	92753	51.757	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.565	98	329286	47.197	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.400%
62) 4-Bromofluorobenzene	12.847	95	153412	59.342	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	118.680%
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1318	0.722	ug/l #	41
5) Bromomethane	2.906	94	276	0.288	ug/l #	67
12) 1,1-Dichloroethene	4.330	96	41331	25.492	ug/l	90
16) Acetone	4.430	43	1791	2.171	ug/l	92
17) Carbon Disulfide	4.694	76	1477	0.313	ug/l #	75
18) Methyl Acetate	5.030	43	968	0.441	ug/l #	52
21) trans-1,2-Dichloroethene	5.783	96	3209	1.900	ug/l	94
24) 1,1-Dichloroethane	6.559	63	11938	3.673	ug/l	95
27) cis-1,2-Dichloroethene	7.482	96	41818	20.751	ug/l	89
31) Cyclohexane	8.218	56	4148	1.296	ug/l #	17
36) 1,1-Dichloropropene	8.218	75	13652	4.994	ug/l #	50
38) Carbon Tetrachloride	8.218	117	16657	5.341	ug/l #	17
39) Methylcyclohexane	9.353	83	2336	0.712	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	8495	2.725	ug/l	97
43) Isopropyl Acetate	8.682	43	57	Below Cal	#	1
44) Trichloroethene	9.347	130	153875	76.071	ug/l	92
45) 1,2-Dichloropropane	9.347	63	464	0.237	ug/l #	1
49) 1,4-Dioxane	9.700	88	484	13.238	ug/l #	80
51) 4-Methyl-2-Pentanone	10.559	43	1657	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	85006	28.893	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85006	68.147	ug/l #	9
88) 1,4-Dichlorobenzene	13.817	146	1186	0.215	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.388	180	831	0.283	ug/l #	82
95) Naphthalene	15.647	128	2228	0.236	ug/l #	81

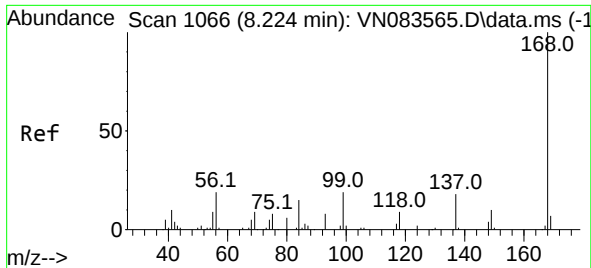
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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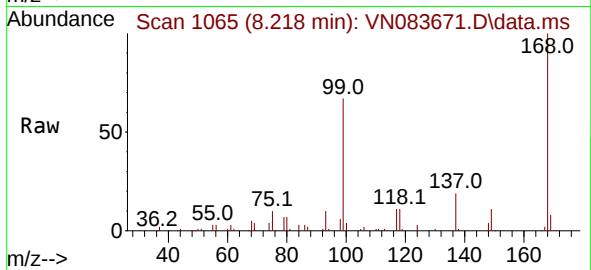
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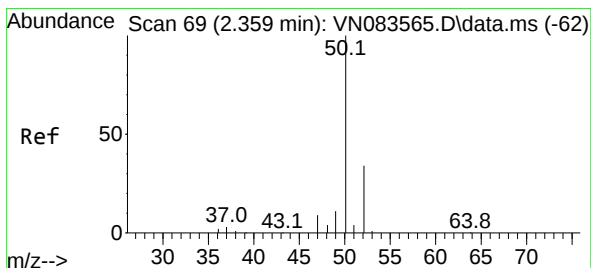
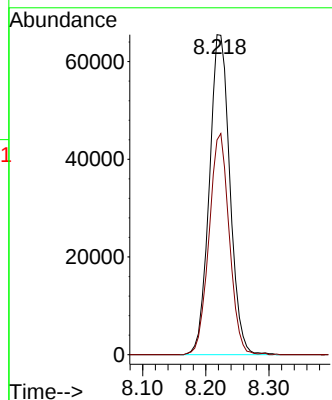
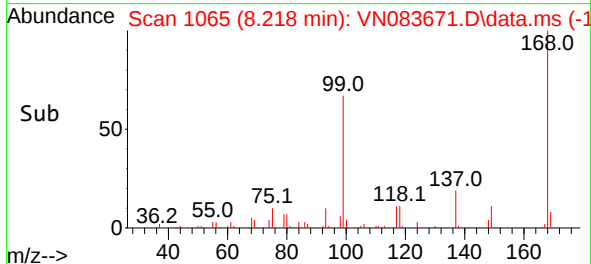


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

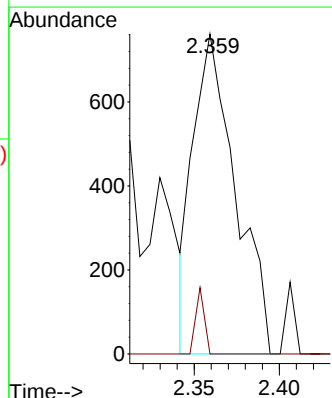
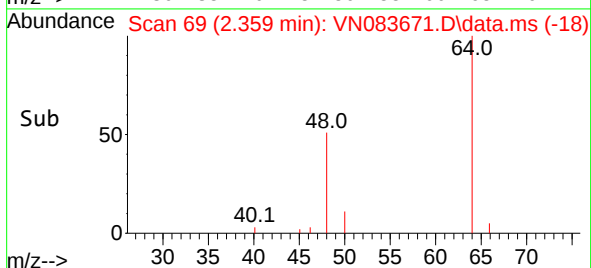
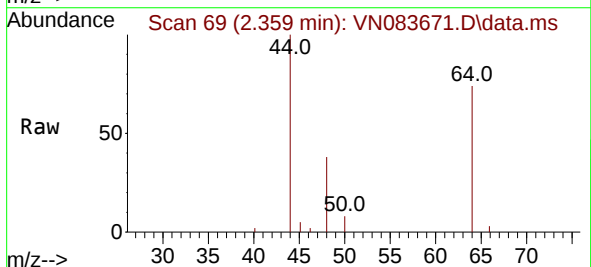


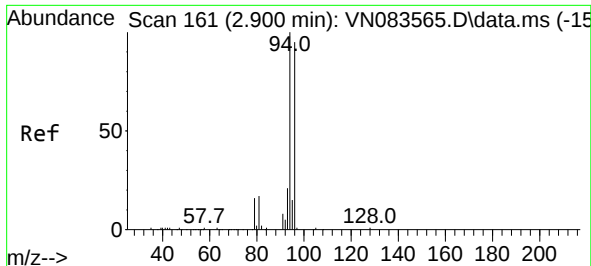
Tgt Ion:168 Resp: 147996
Ion Ratio Lower Upper
168 100
99 67.1 54.2 81.2



#3
Chloromethane
Concen: 0.722 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 50 Resp: 1318
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

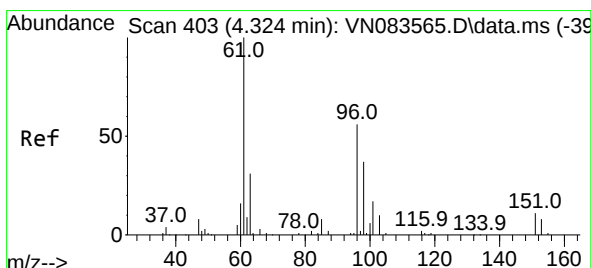
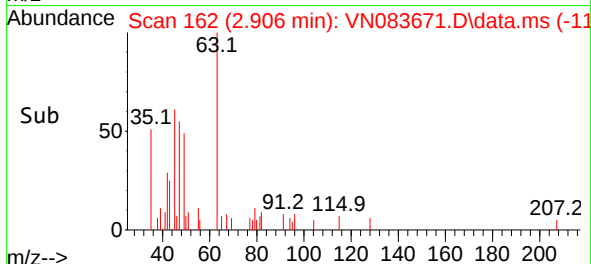
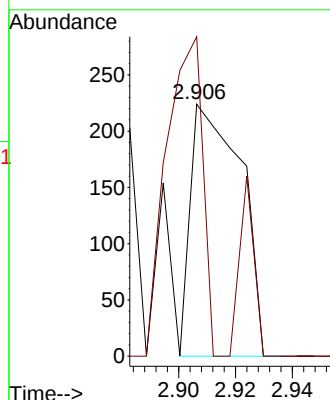
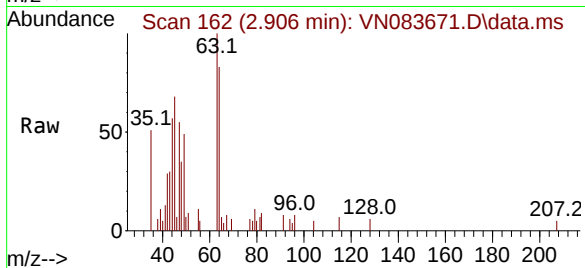




#5
Bromomethane
Concen: 0.288 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

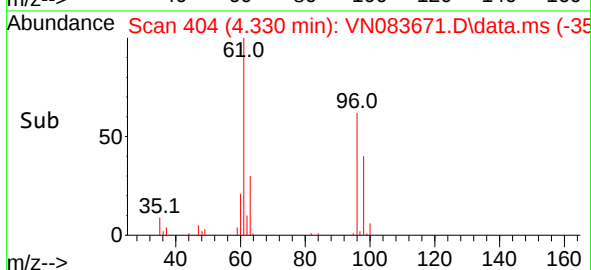
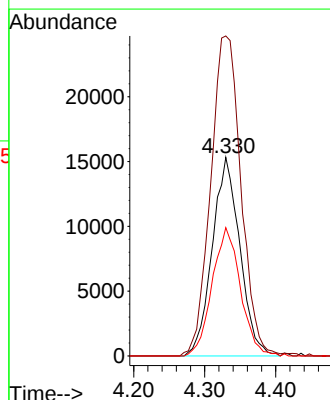
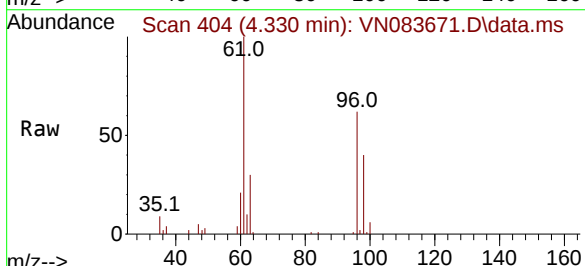
Instrument :
MSVOA_N
ClientSampleId :

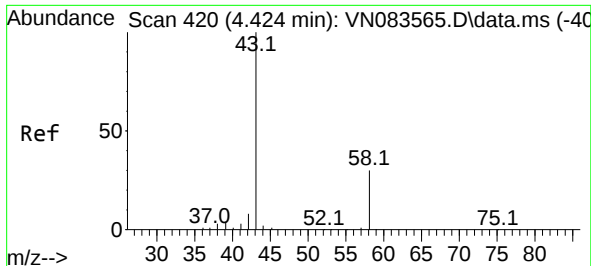
Tgt Ion: 94 Resp: 276
Ion Ratio Lower Upper
94 100
96 126.8 76.0 114.0#



#12
1,1-Dichloroethene
Concen: 25.492 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 96 Resp: 41331
Ion Ratio Lower Upper
96 100
61 161.2 143.4 215.0
98 64.7 52.7 79.1





#16

Acetone

Concen: 2.171 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

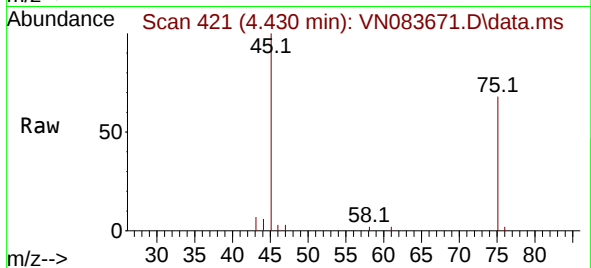
Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

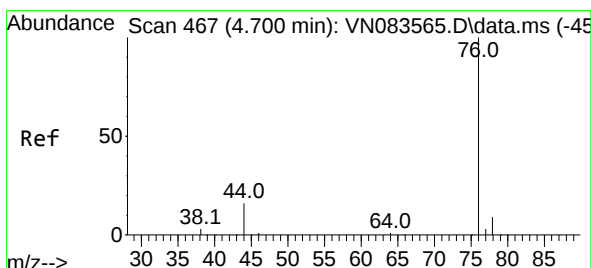
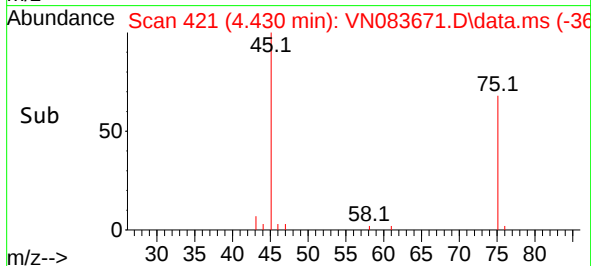
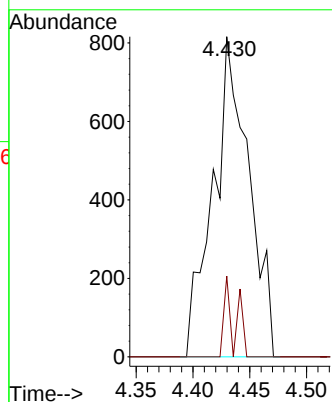


Tgt Ion: 43 Resp: 1791

Ion Ratio Lower Upper

43 100

58 25.2 23.7 35.5



#17

Carbon Disulfide

Concen: 0.313 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.006 min

Lab File: VN083671.D

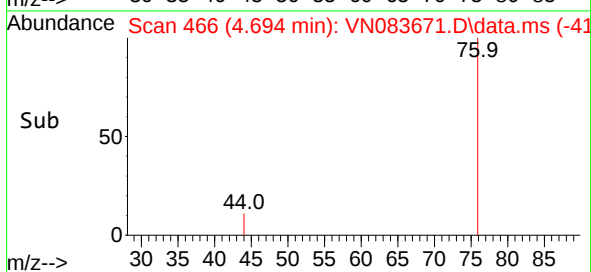
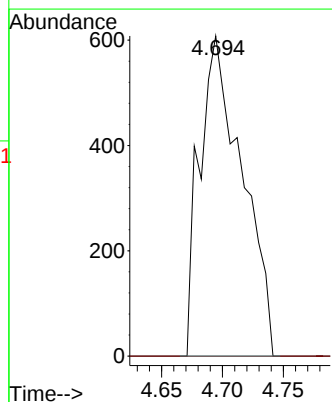
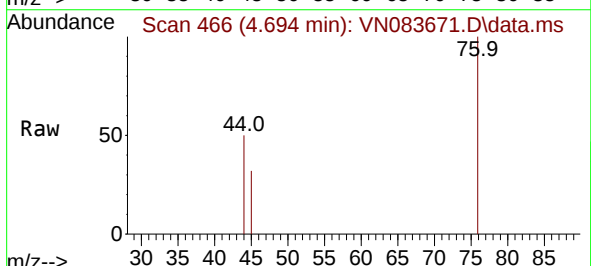
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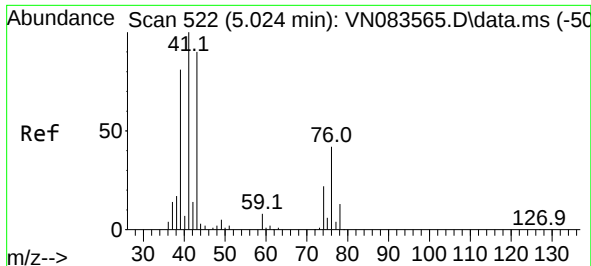
Tgt Ion: 76 Resp: 1477

Ion Ratio Lower Upper

76 100

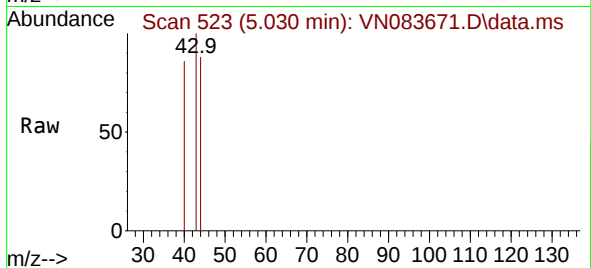
78 0.0 7.1 10.7#



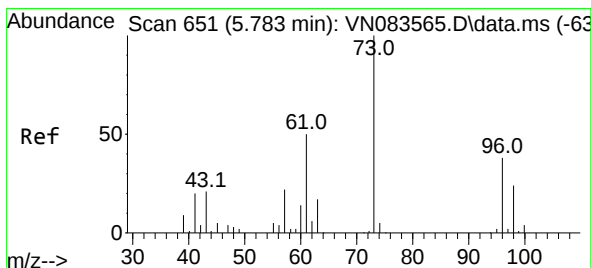
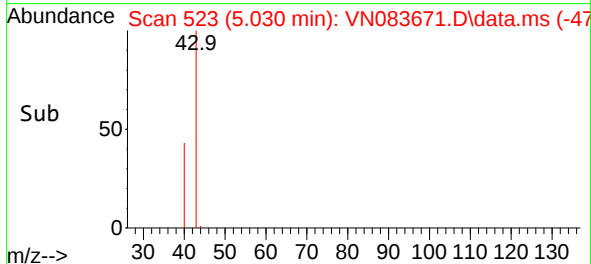
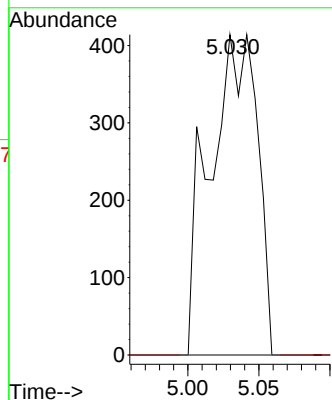


#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

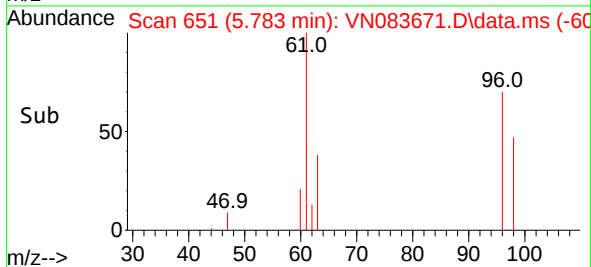
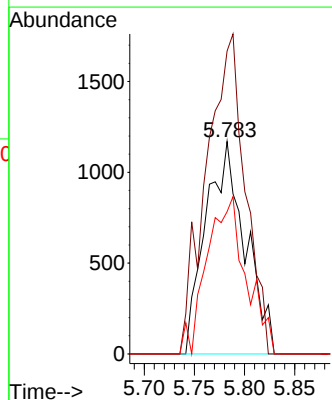
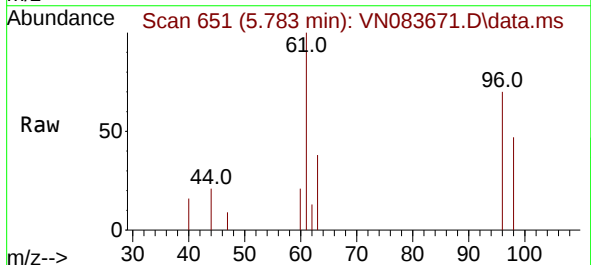


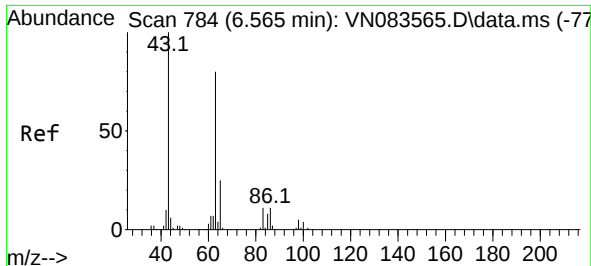
Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#21
trans-1,2-Dichloroethene
Concen: 1.900 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 96 Resp: 3209
Ion Ratio Lower Upper
96 100
61 142.6 106.0 159.0
98 66.9 52.2 78.2

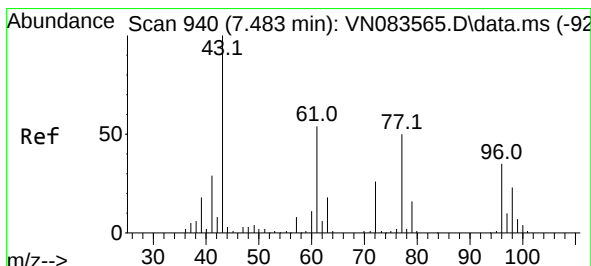
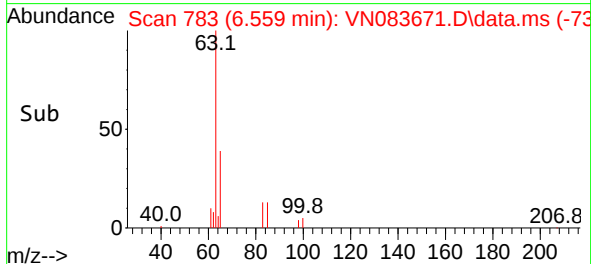
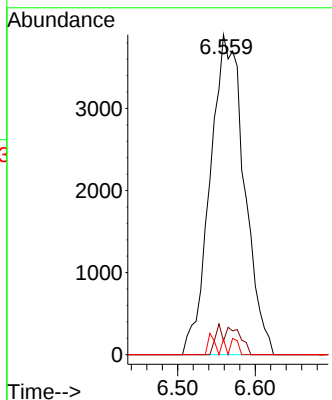
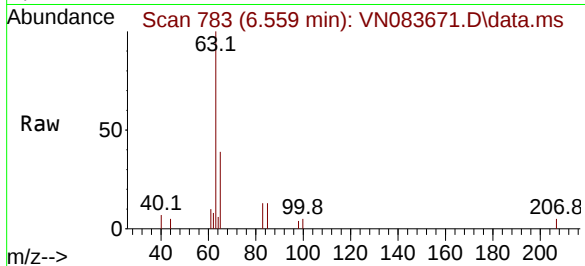




#24
1,1-Dichloroethane
Concen: 3.673 ug/l
RT: 6.559 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

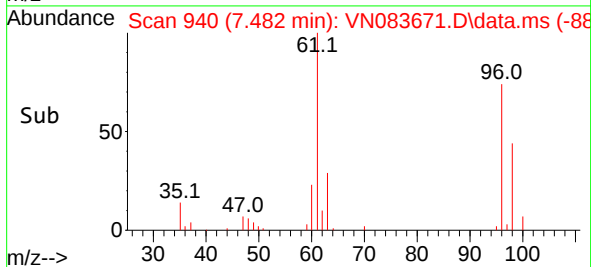
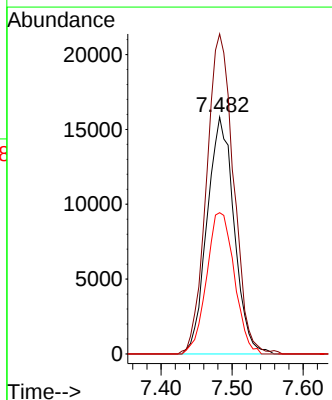
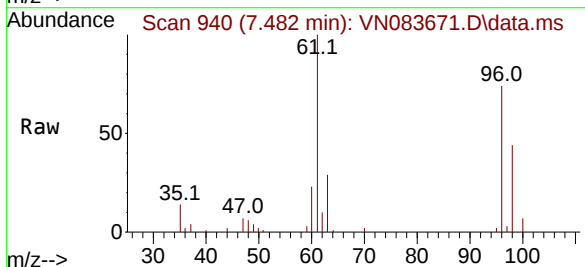
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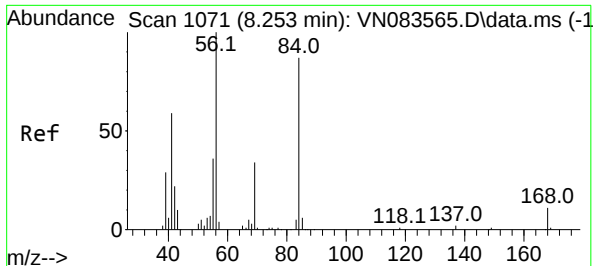
Tgt Ion: 63 Resp: 11938
Ion Ratio Lower Upper
63 100
98 4.3 3.5 10.4
100 4.9 2.5 7.5



#27
cis-1,2-Dichloroethene
Concen: 20.751 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

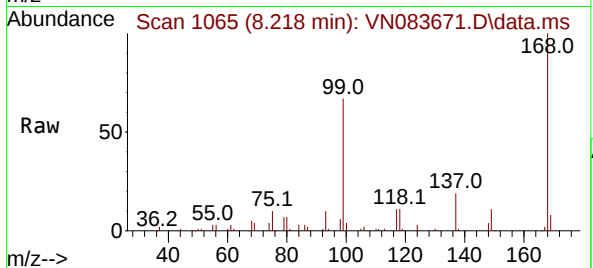
Tgt Ion: 96 Resp: 41818
Ion Ratio Lower Upper
96 100
61 135.5 0.0 306.2
98 61.2 0.0 128.6



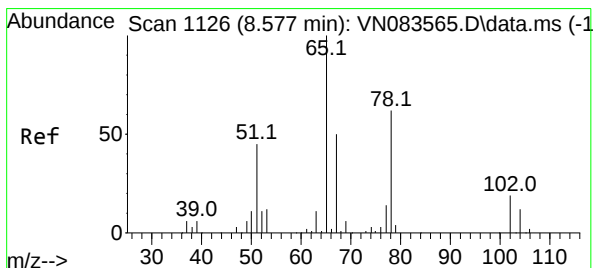
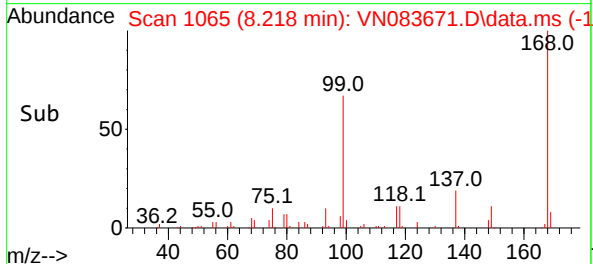
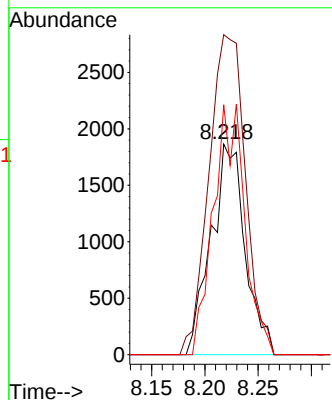


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Instrument :
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ClientSampleId :

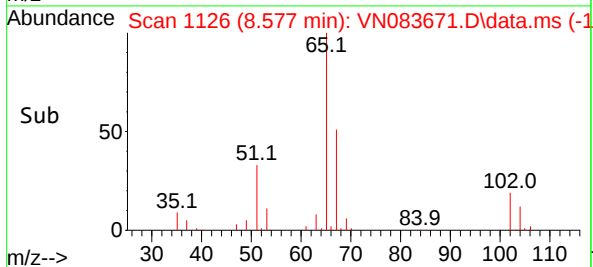
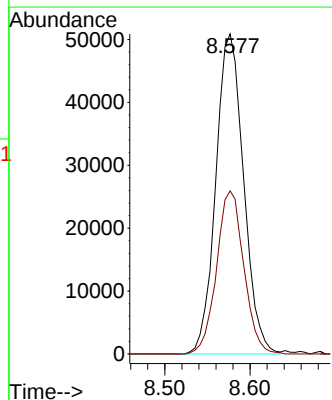
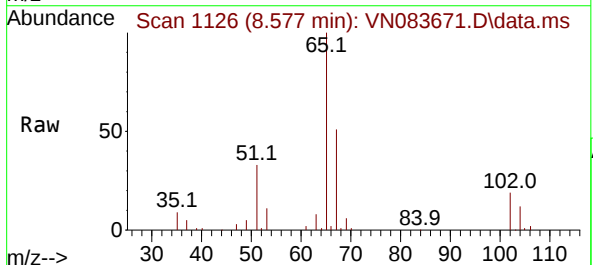


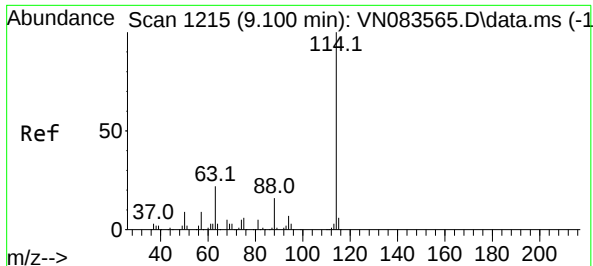
Tgt Ion: 56 Resp: 4148
Ion Ratio Lower Upper
56 100
69 152.0 26.9 40.3#
84 118.7 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 55.694 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 65 Resp: 115197
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

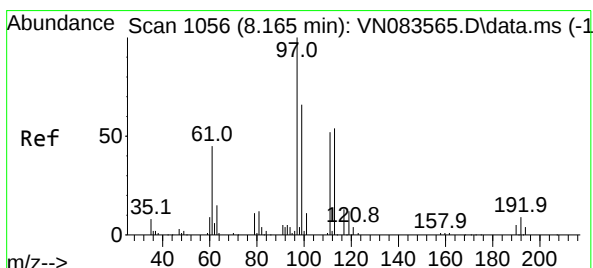
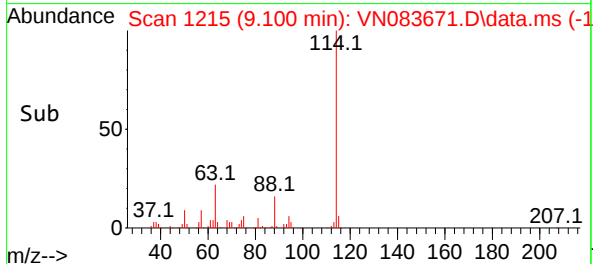
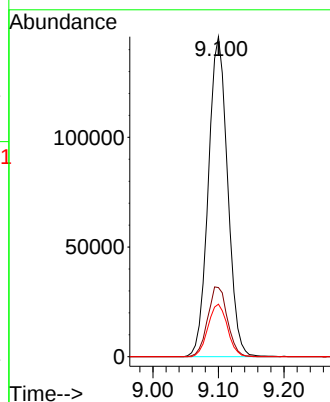
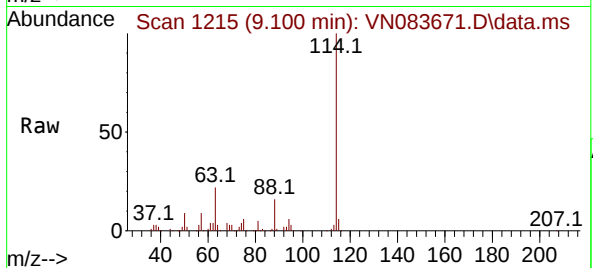
Tgt Ion:114 Resp: 297747

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.757 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

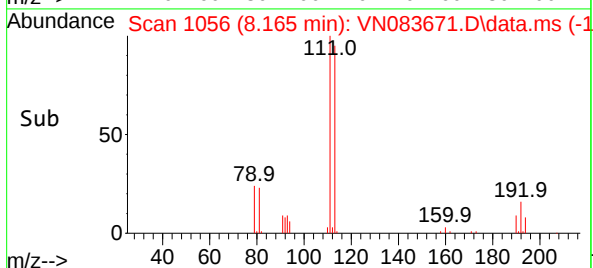
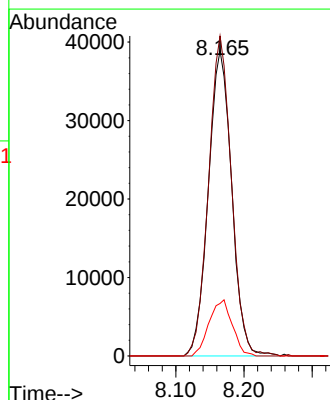
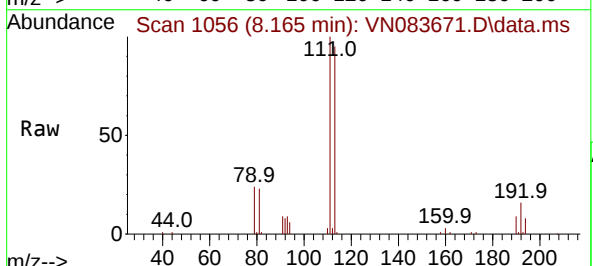
Tgt Ion:113 Resp: 92753

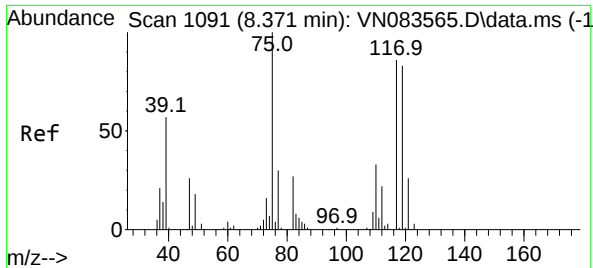
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 18.3 14.3 21.5

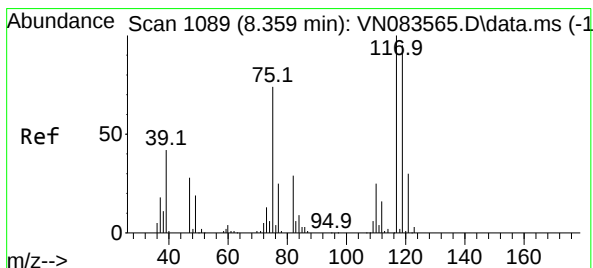
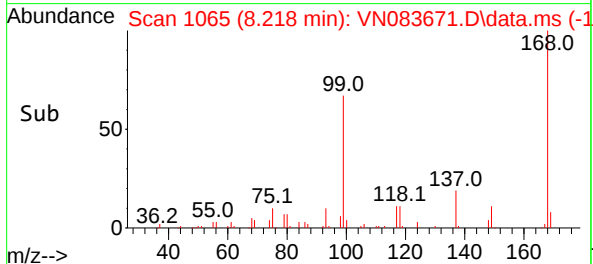
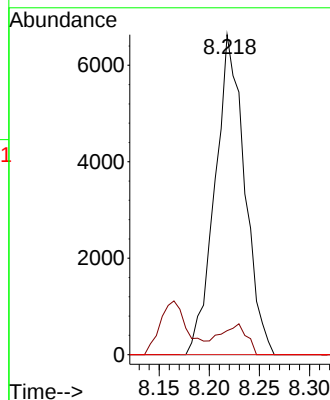
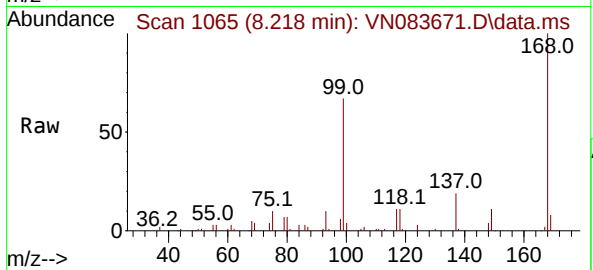




#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.153 min
 Lab File: VN083671.D
 Acq: 05 Sep 2024 13:27

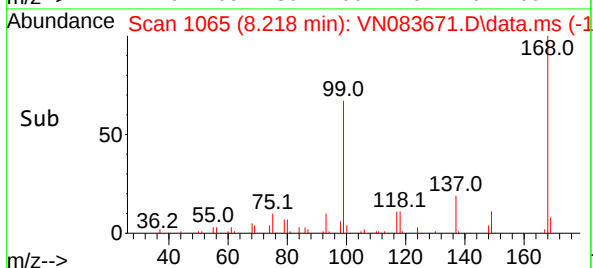
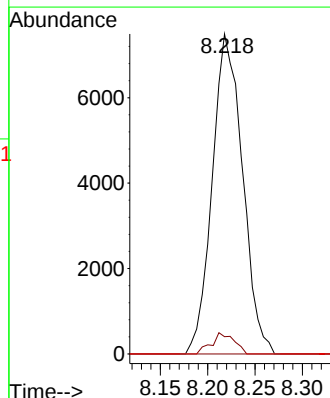
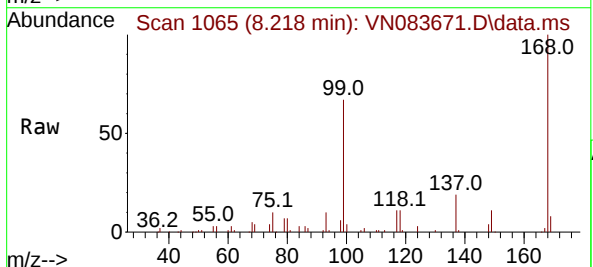
Instrument :
 MSVOA_N
 ClientSampleId :

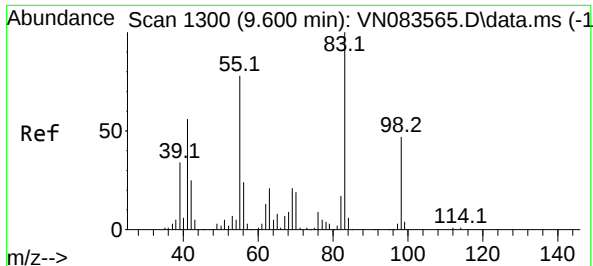
Tgt Ion: 75 Resp: 13652
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.7 50.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.341 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.141 min
 Lab File: VN083671.D
 Acq: 05 Sep 2024 13:27

Tgt Ion: 117 Resp: 16657
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.1 114.1#
 121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.712 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.247 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

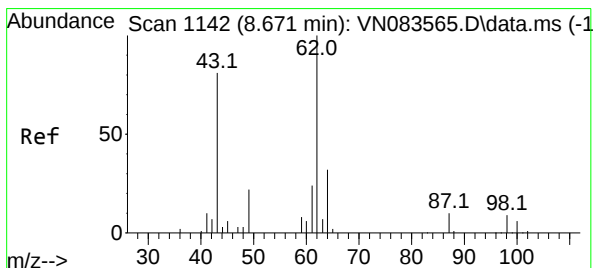
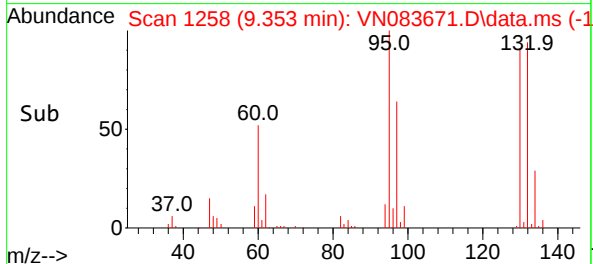
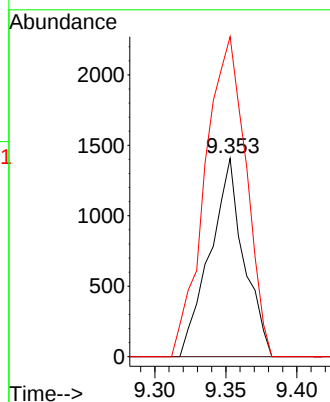
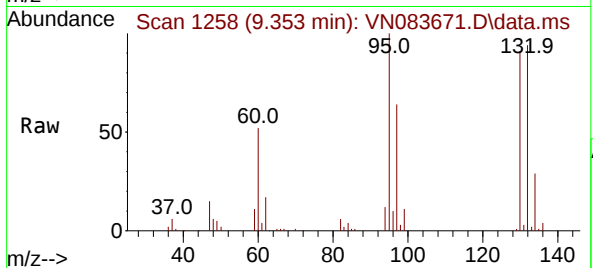
Tgt Ion: 83 Resp: 2336

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 161.4 37.6 56.4#



#42

1,2-Dichloroethane

Concen: 2.725 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN083671.D

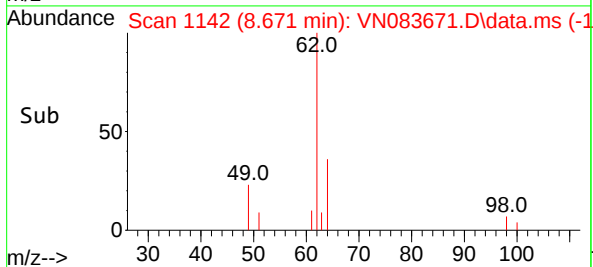
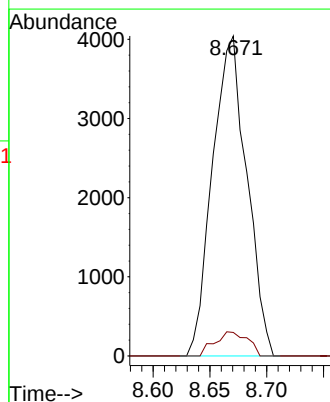
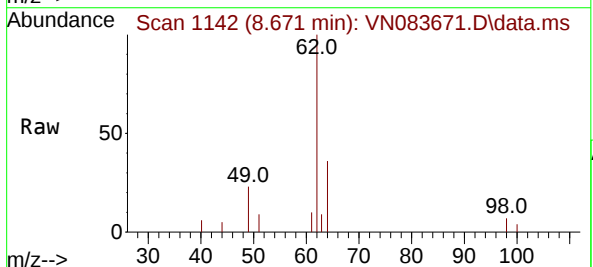
Acq: 05 Sep 2024 13:27

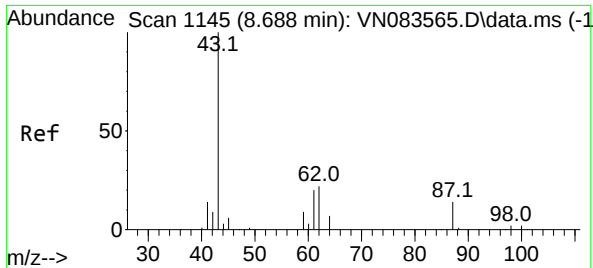
Tgt Ion: 62 Resp: 8495

Ion Ratio Lower Upper

62 100

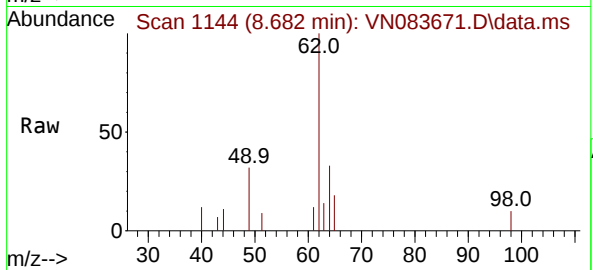
98 7.2 0.0 16.6



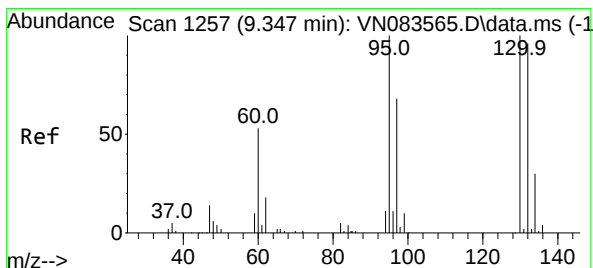
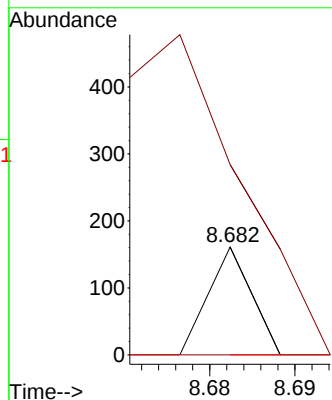
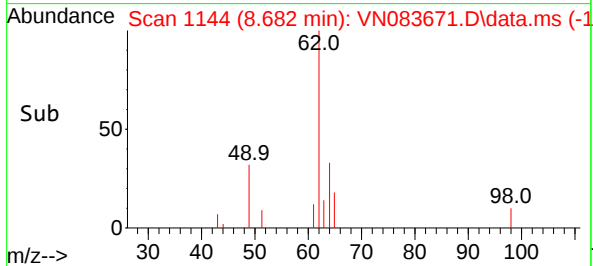


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

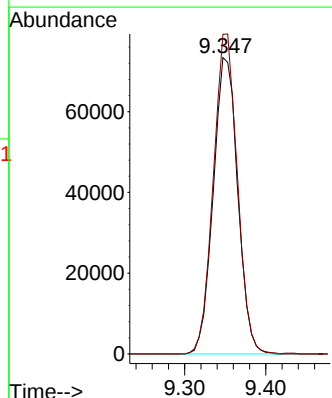
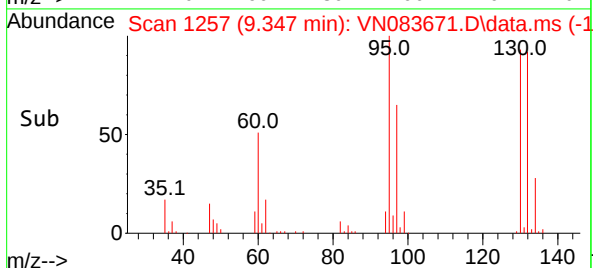
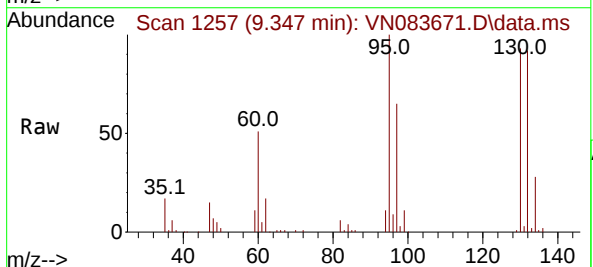


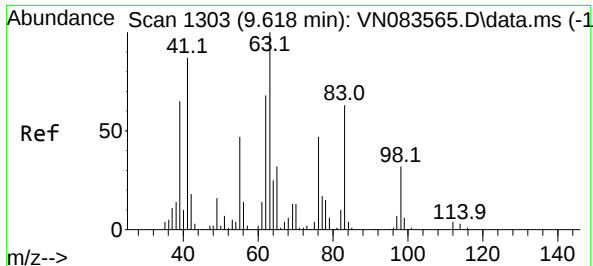
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
61 1419.3 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 76.071 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion:130 Resp: 153875
Ion Ratio Lower Upper
130 100
95 107.9 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.237 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.271 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

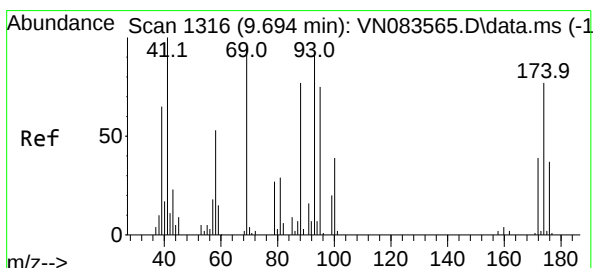
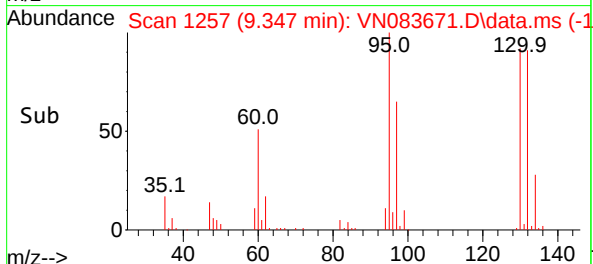
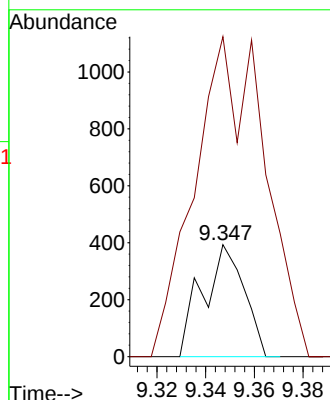
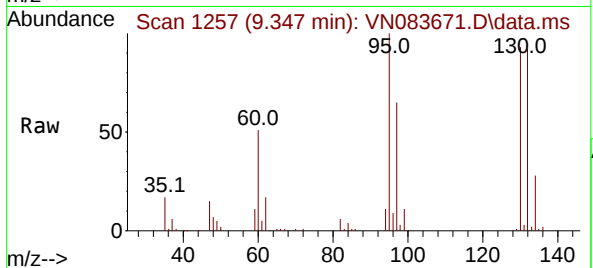
ClientSampleId :

Tgt Ion: 63 Resp: 464

Ion Ratio Lower Upper

63 100

65 176.1 25.9 38.9#



#49

1,4-Dioxane

Concen: 13.238 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

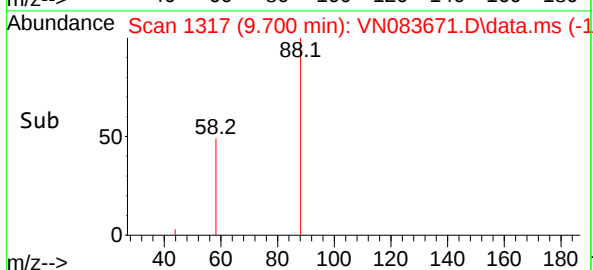
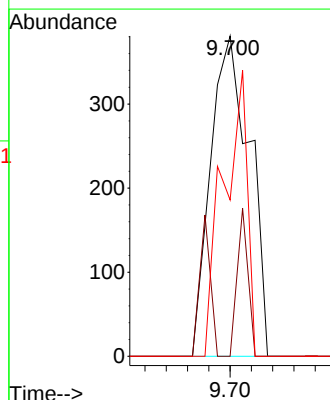
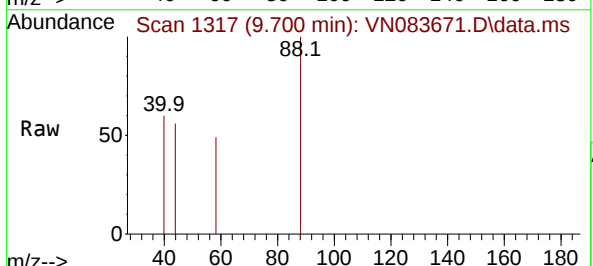
Tgt Ion: 88 Resp: 484

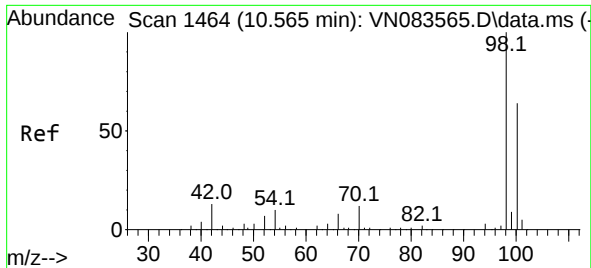
Ion Ratio Lower Upper

88 100

43 12.8 0.0 0.0#

58 54.8 57.1 85.7#

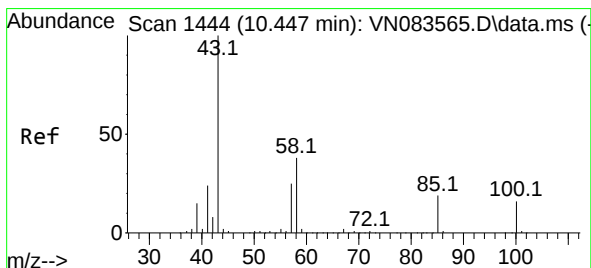
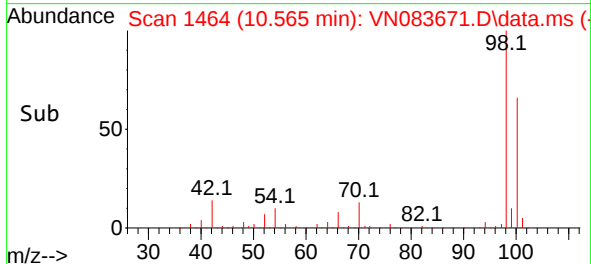
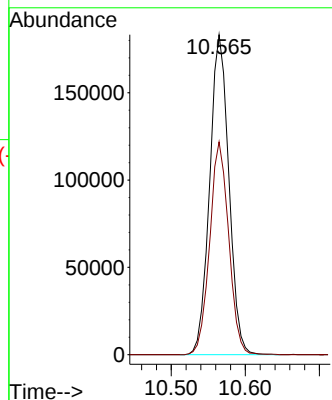
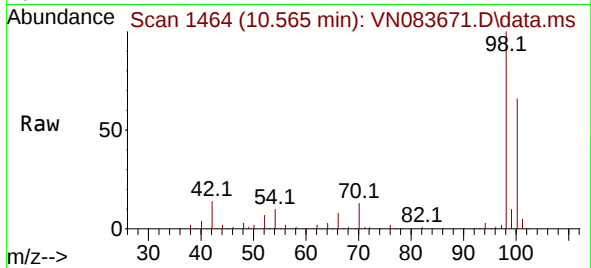




#50
Toluene-d8
Concen: 47.197 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

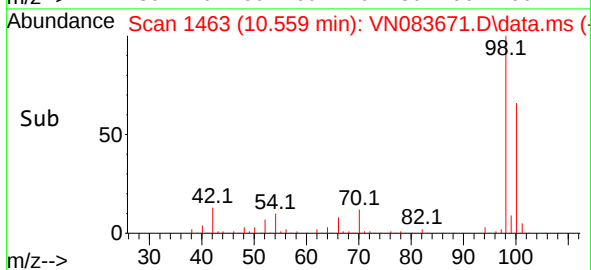
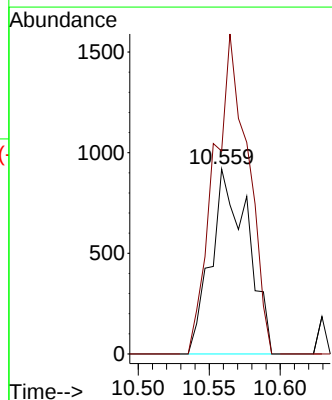
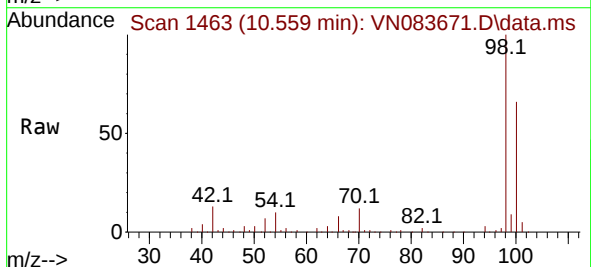
Instrument :
MSVOA_N
ClientSampleId :

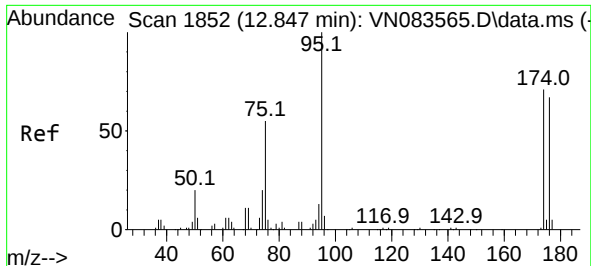
Tgt Ion: 98 Resp: 329286
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.655 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 43 Resp: 1657
Ion Ratio Lower Upper
43 100
58 160.8 31.6 47.4#

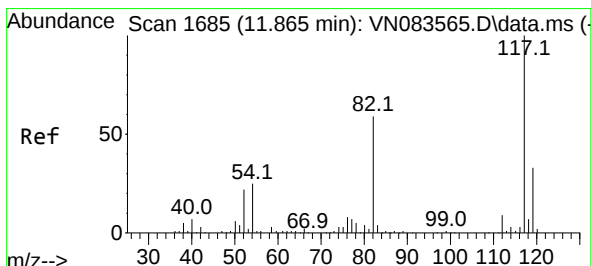
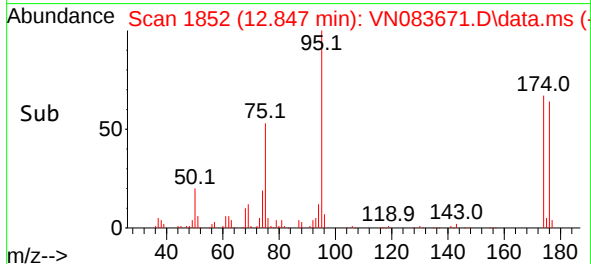
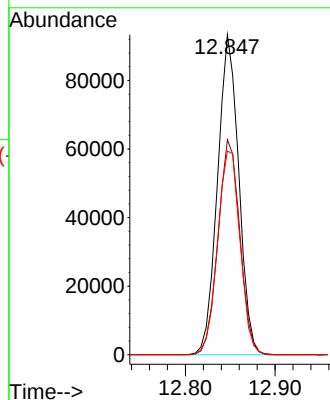
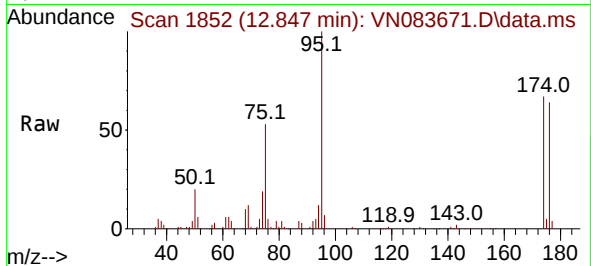




#62
4-Bromofluorobenzene
Concen: 59.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

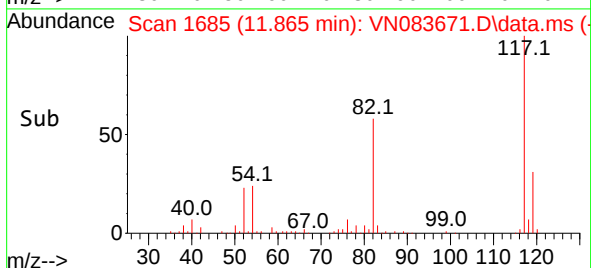
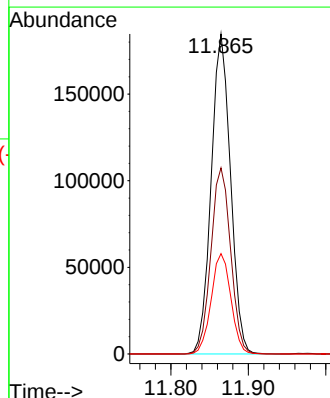
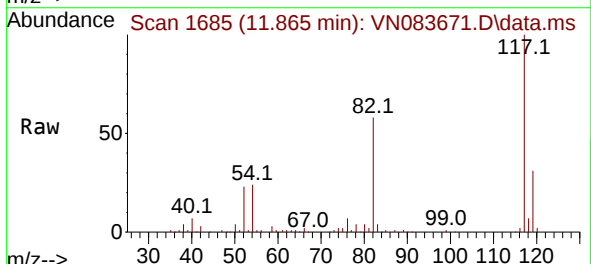
Instrument :
MSVOA_N
ClientSampleId :

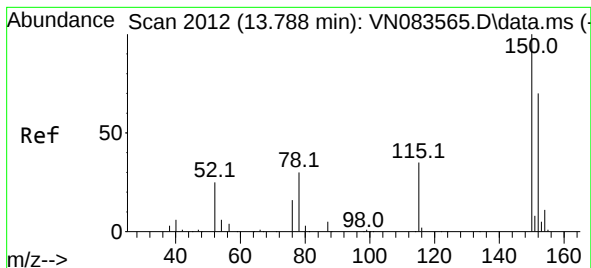
Tgt Ion: 95 Resp: 153412
Ion Ratio Lower Upper
95 100
174 68.9 0.0 139.8
176 67.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 117 Resp: 320005
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.0
119 31.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

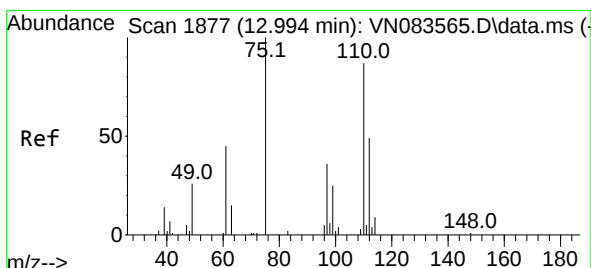
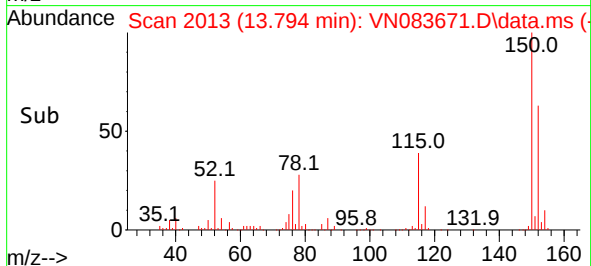
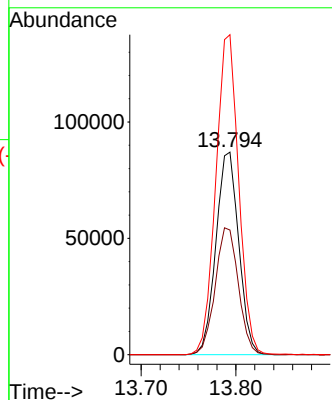
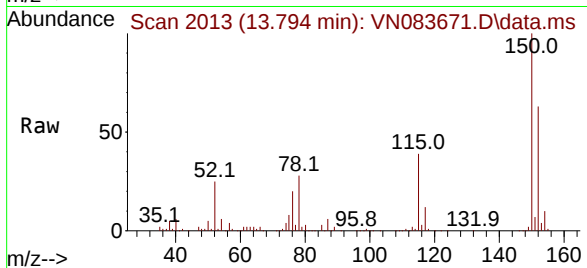
Tgt Ion:152 Resp: 145720

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

150 158.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.893 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083671.D

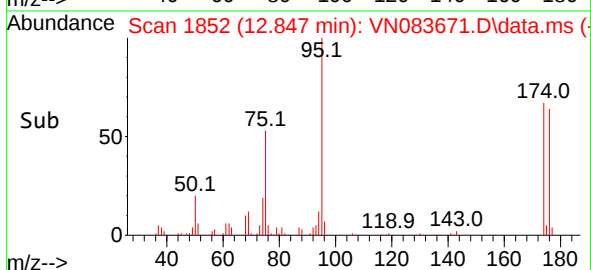
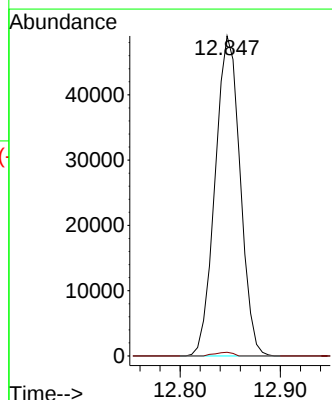
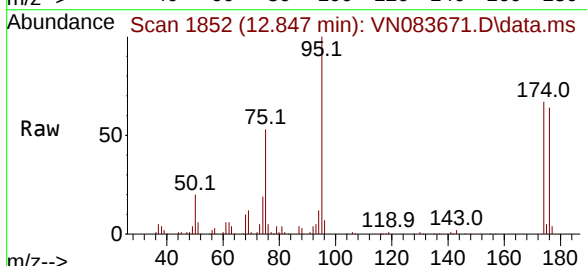
Acq: 05 Sep 2024 13:27

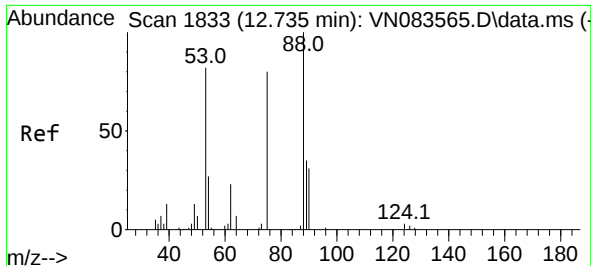
Tgt Ion: 75 Resp: 85006

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#

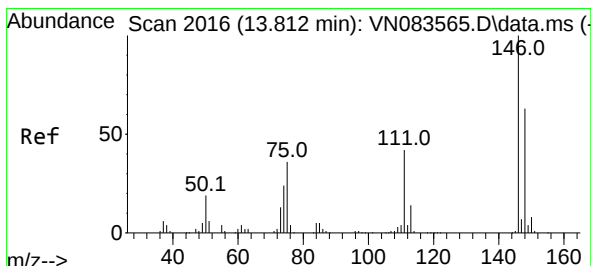
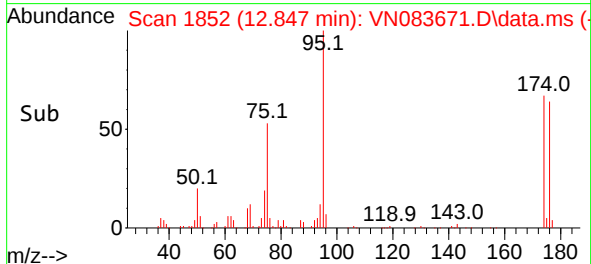
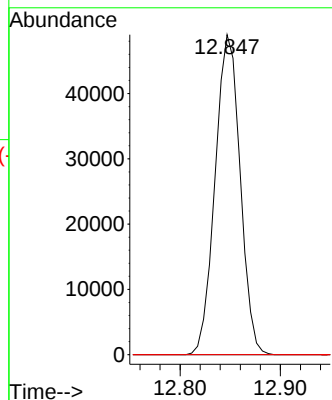
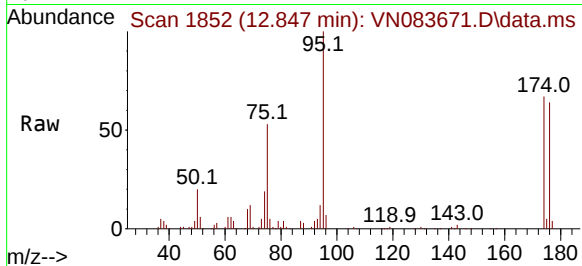




#81
trans-1,4-Dichloro-2-butene
Concen: 68.147 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

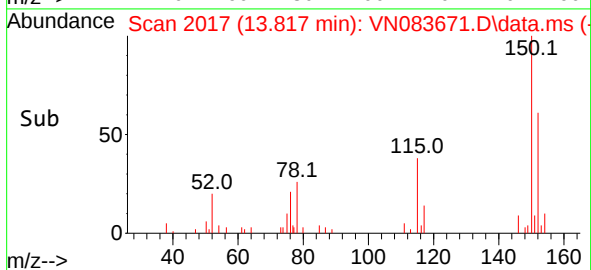
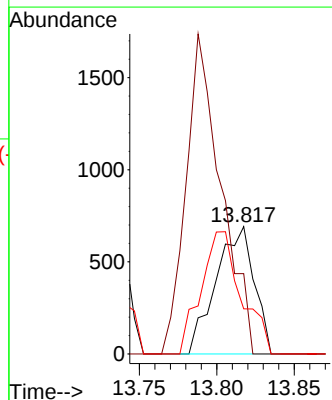
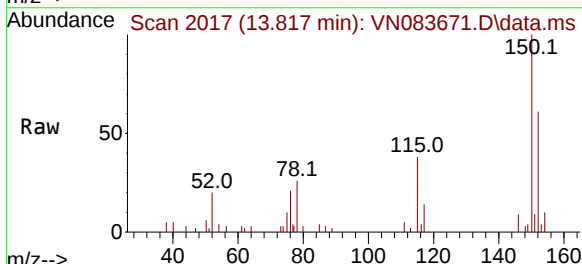
Instrument :
MSVOA_N
ClientSampleId :

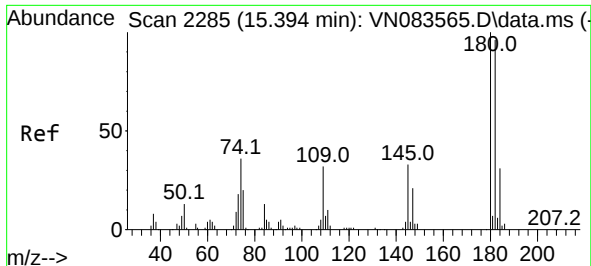
Tgt Ion: 75 Resp: 85006
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 0.215 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN083671.D
Acq: 05 Sep 2024 13:27

Tgt Ion: 146 Resp: 1186
Ion Ratio Lower Upper
146 100
111 0.0 21.3 64.0#
148 101.0 32.0 96.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.283 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

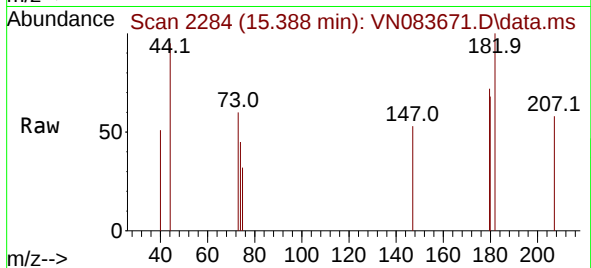
Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :



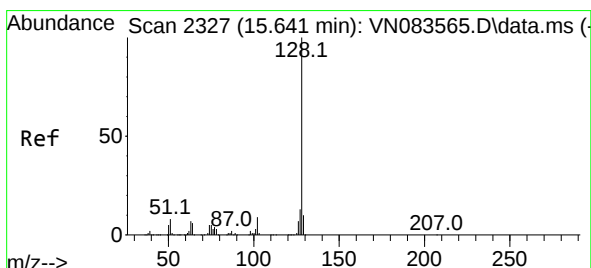
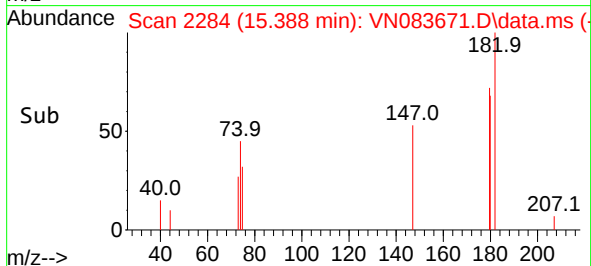
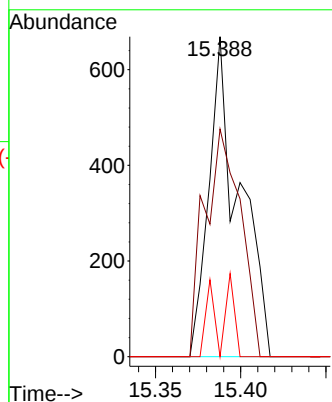
Tgt Ion:180 Resp: 831

Ion Ratio Lower Upper

180 100

182 83.9 48.1 144.3

145 14.2 16.9 50.7#



#95

Naphthalene

Concen: 0.236 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN083671.D

Acq: 05 Sep 2024 13:27

Tgt Ion:128 Resp: 2228

Ion Ratio Lower Upper

128 100

127 8.8 10.2 15.2#

129 0.0 8.7 13.1#

