

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120224\
 Data File : VN085070.D
 Acq On : 02 Dec 2024 15:18
 Operator : JC\MD
 Sample : P5048-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 00:50:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

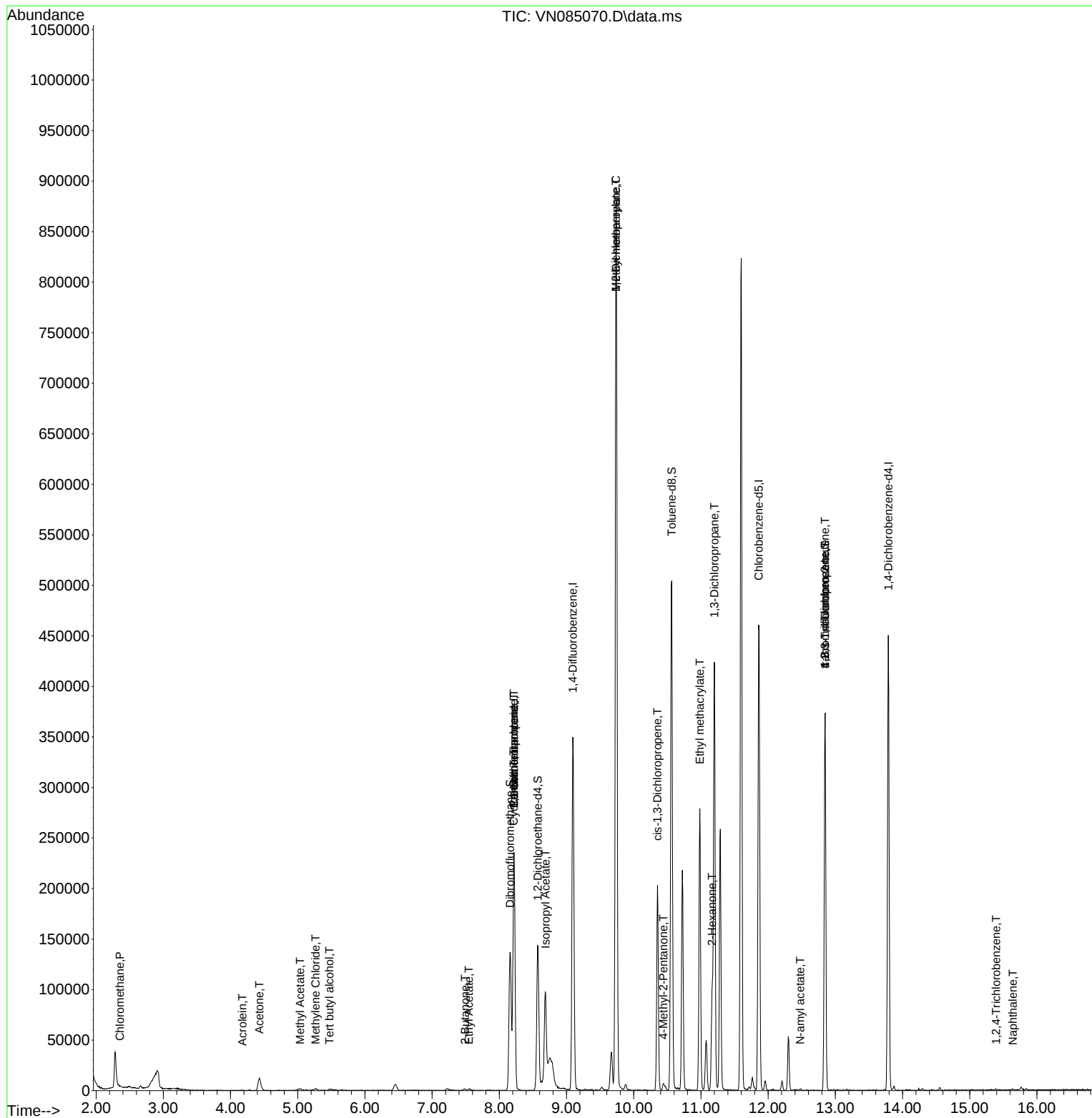
Internal Standards						
1) Pentafluorobenzene	8.218	168	168952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	273125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	120586	50.106	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.220%	
35) Dibromofluoromethane	8.159	113	99908	48.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.580%	
50) Toluene-d8	10.565	98	353355	48.153	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.300%	
62) 4-Bromofluorobenzene	12.847	95	132516	48.289	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	579	0.261	ug/l #	40
11) Tert butyl alcohol	5.471	59	407	1.266	ug/l #	75
13) Acrolein	4.177	56	57	0.266	ug/l #	16
16) Acetone	4.430	43	22417	31.983	ug/l #	84
18) Methyl Acetate	5.036	43	3596	0.469	ug/l #	68
20) Methylene Chloride	5.265	84	1043	0.488	ug/l #	75
25) 2-Butanone	7.489	43	2484	2.168	ug/l #	78
31) Cyclohexane	8.212	56	3903	1.217	ug/l #	37
36) 1,1-Dichloropropene	8.218	75	13800	4.976	ug/l #	51
37) Ethyl Acetate	7.547	43	2472	0.980	ug/l #	77
38) Carbon Tetrachloride	8.218	117	18048	5.638	ug/l #	16
43) Isopropyl Acetate	8.688	43	125493	23.961	ug/l #	86
45) 1,2-Dichloropropane	9.735	63	1047	0.485	ug/l #	45
48) Methyl methacrylate	9.735	41	79845	40.969	ug/l #	38
51) 4-Methyl-2-Pentanone	10.441	43	4365	1.825	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	37417	11.056	ug/l #	60
56) Ethyl methacrylate	10.982	69	1109	0.392	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4476	1.315	ug/l #	42
59) 2-Hexanone	11.165	43	78186	43.701	ug/l #	23
74) N-amyl acetate	12.476	43	785	0.222	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68637	31.004	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68637	68.443	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.394	180	635	0.268	ug/l #	63
95) Naphthalene	15.641	128	1661	0.246	ug/l #	69

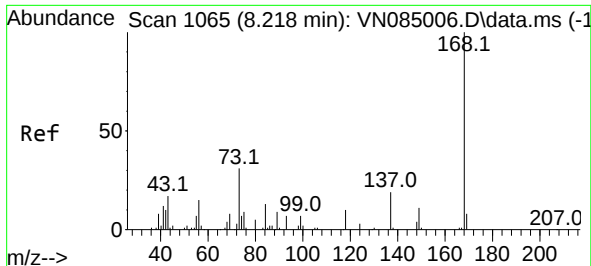
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120224\
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Sample : P5048-04
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 03 00:50:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

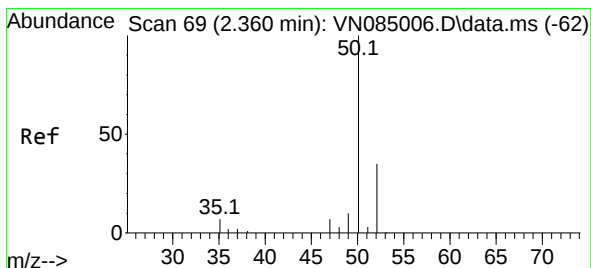
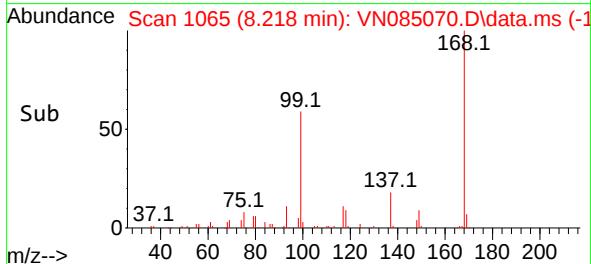
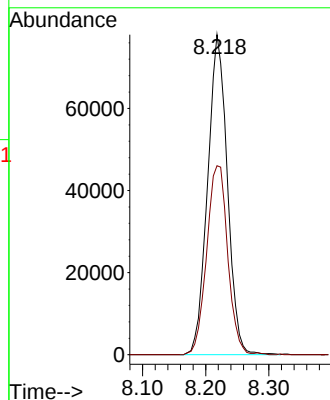
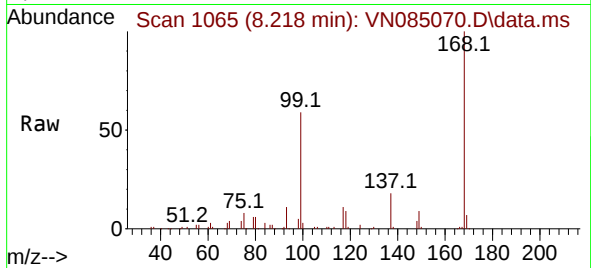




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

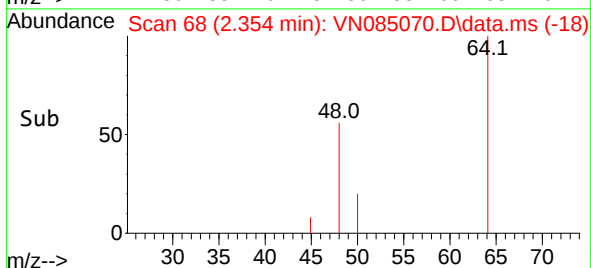
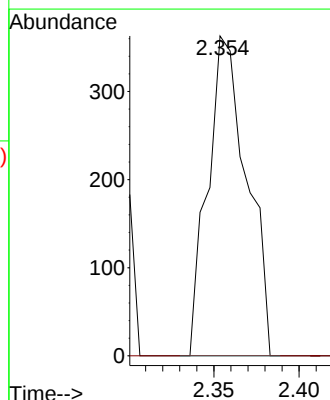
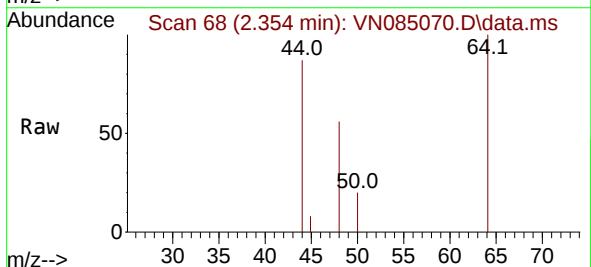
Instrument :
MSVOA_N
ClientSampleId :

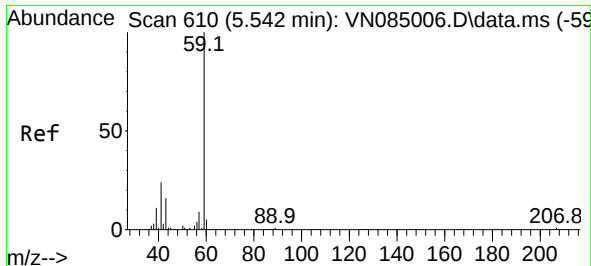
Tgt Ion:168 Resp: 168952
Ion Ratio Lower Upper
168 100
99 59.1 51.2 76.8



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

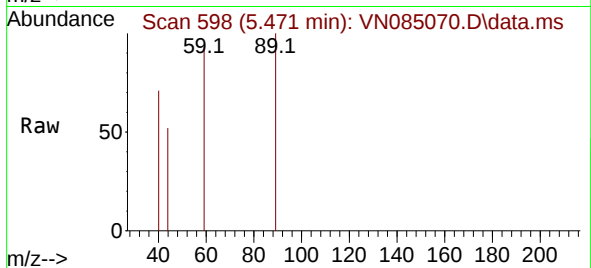
Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#



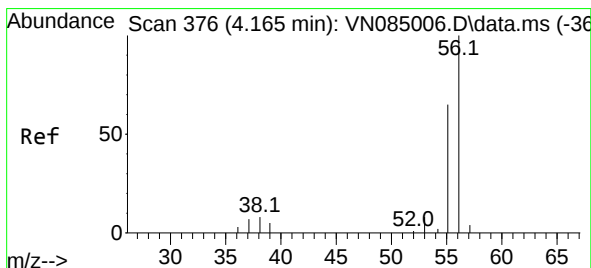
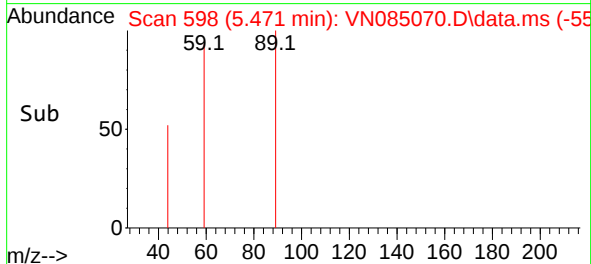
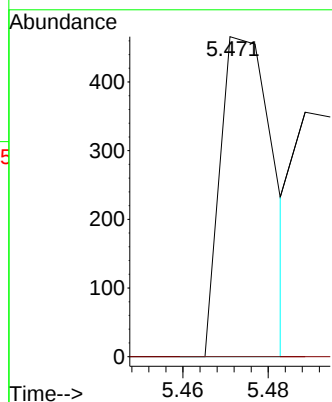


#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 5.471 min Scan# 59
Delta R.T. -0.071 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

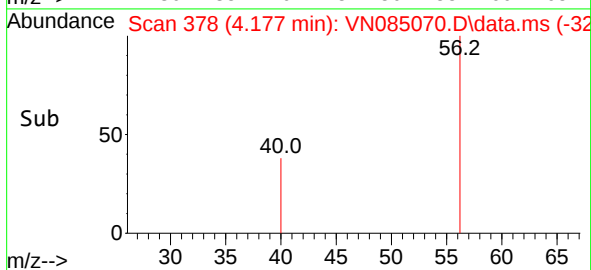
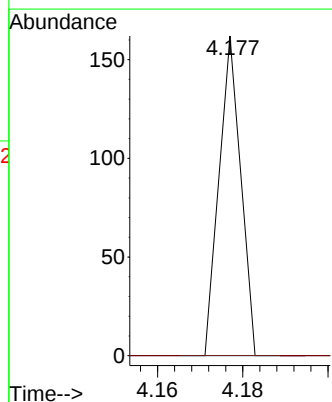
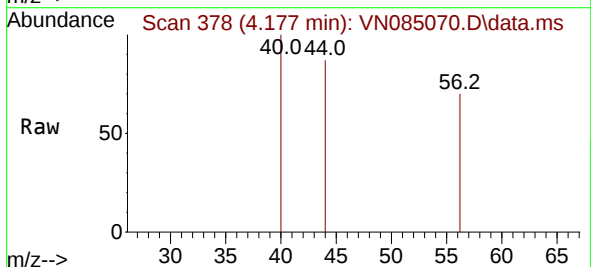


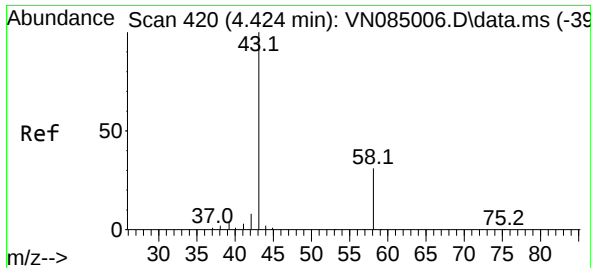
Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#13
Acrolein
Concen: 0.266 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#





#16

Acetone

Concen: 31.983 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

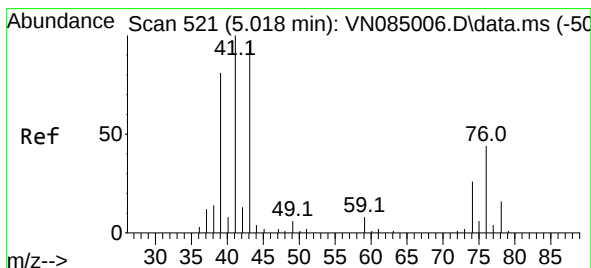
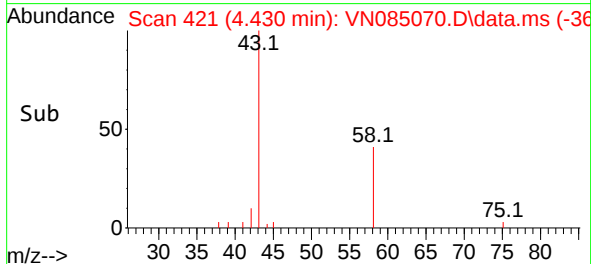
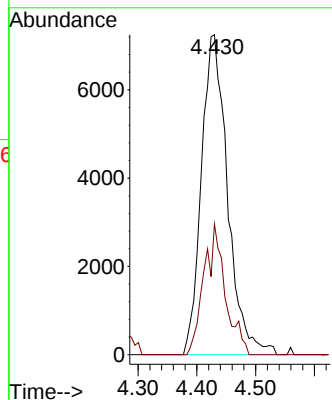
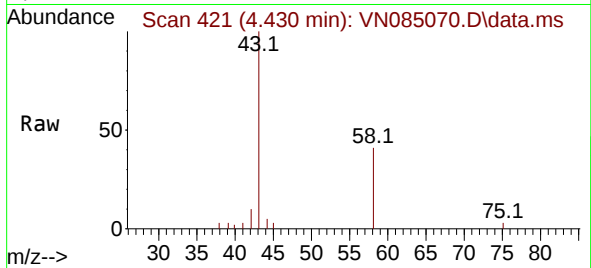
ClientSampleId :

Tgt Ion: 43 Resp: 22417

Ion Ratio Lower Upper

43 100

58 40.9 25.4 38.2#



#18

Methyl Acetate

Concen: 0.469 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN085070.D

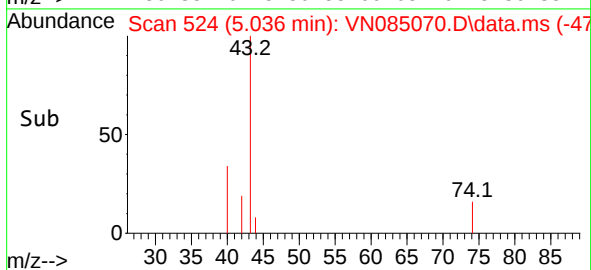
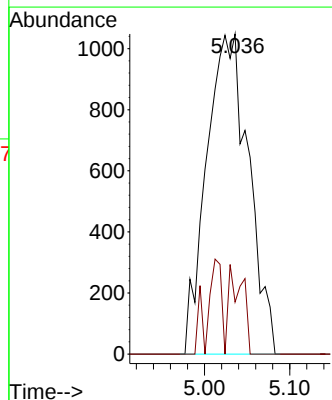
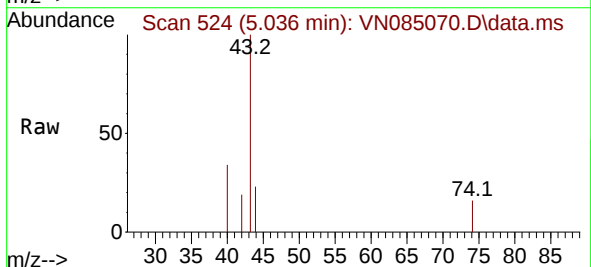
Acq: 02 Dec 2024 15:18

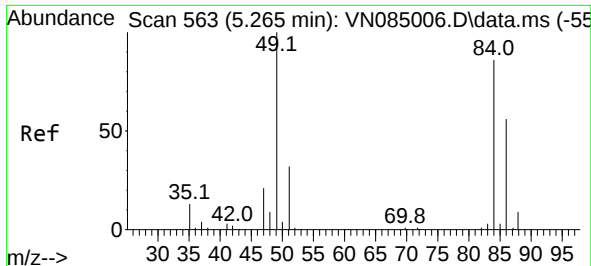
Tgt Ion: 43 Resp: 3596

Ion Ratio Lower Upper

43 100

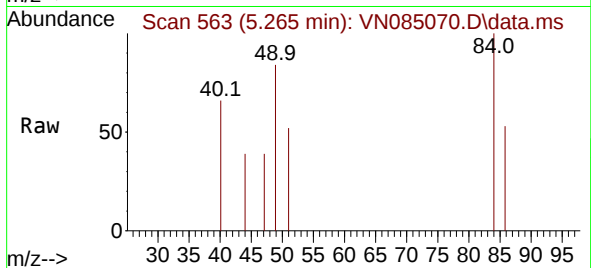
74 9.1 20.1 30.1#



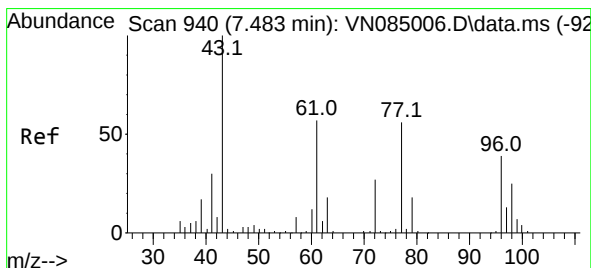
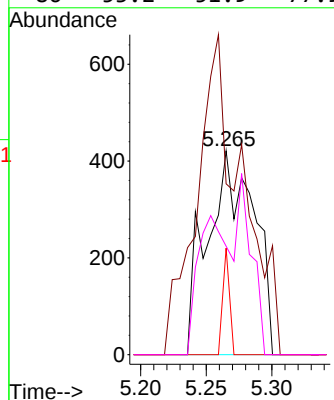


#20
Methylene Chloride
Concen: 0.488 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

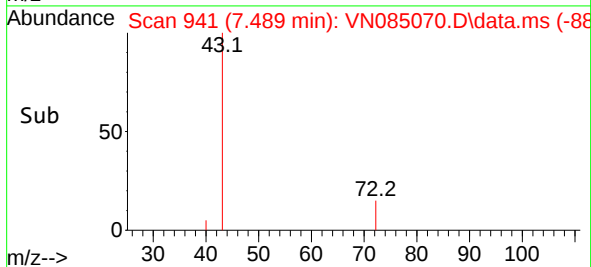
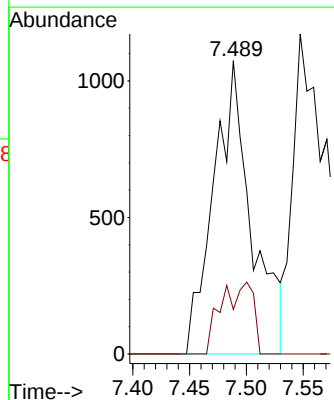
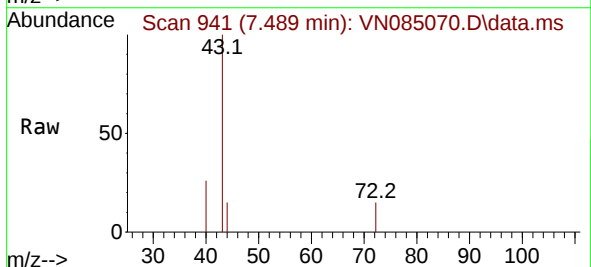


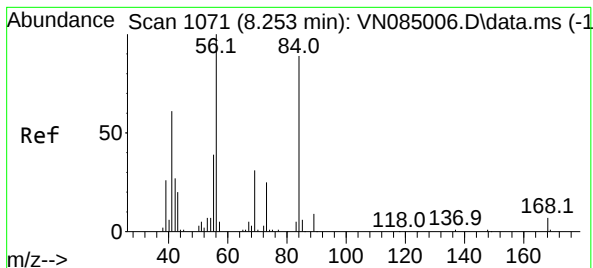
Tgt Ion: 84	Resp: 1043
Ion Ratio	Lower Upper
84 100	
49 83.8	92.7 139.1#
51 52.3	29.4 44.2#
86 53.2	51.9 77.9



#25
2-Butanone
Concen: 2.168 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Tgt Ion: 43	Resp: 2484
Ion Ratio	Lower Upper
43 100	
72 15.2	21.4 32.0#





#31

Cyclohexane

Concen: 1.217 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

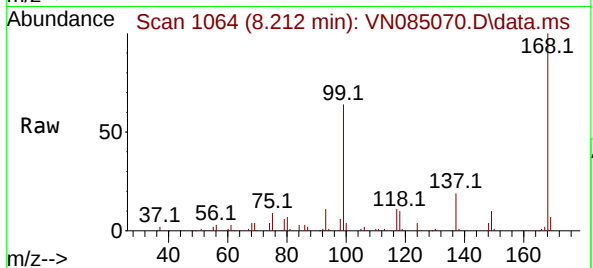
Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :



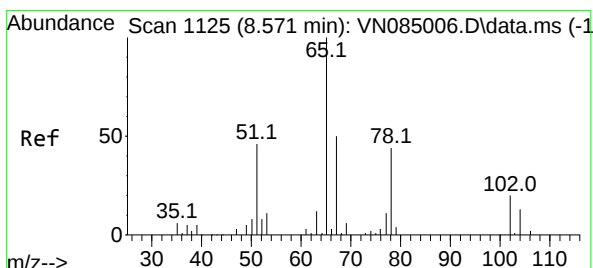
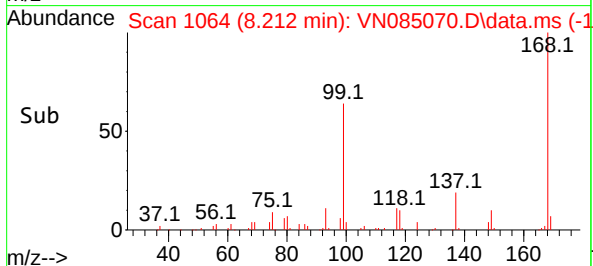
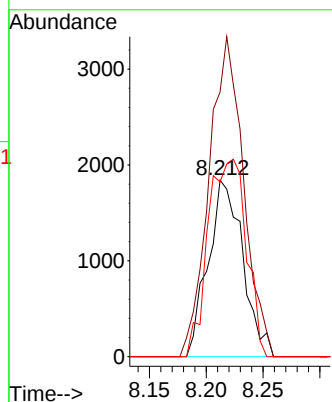
Tgt Ion: 56 Resp: 3903

Ion Ratio Lower Upper

56 100

69 149.8 24.6 36.8#

84 98.9 71.4 107.2



#33

1,2-Dichloroethane-d4

Concen: 50.106 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085070.D

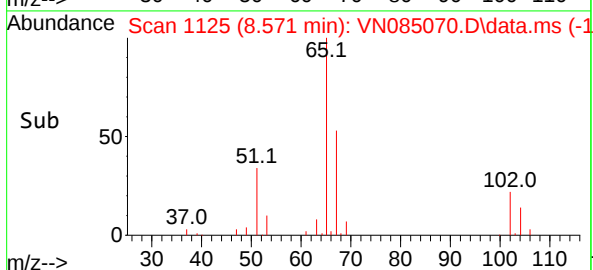
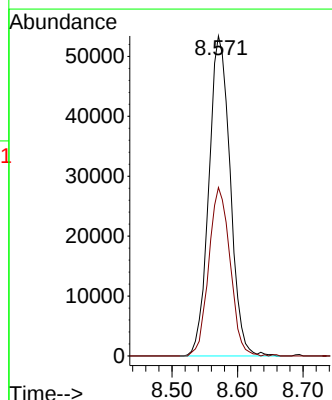
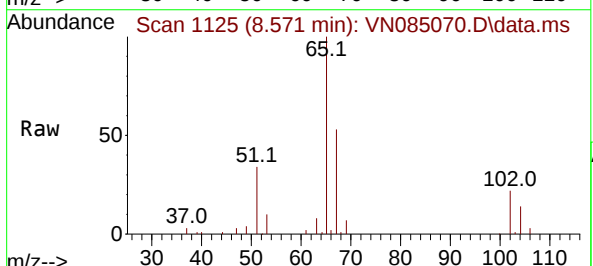
Acq: 02 Dec 2024 15:18

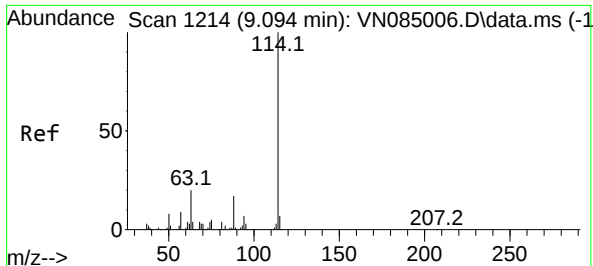
Tgt Ion: 65 Resp: 120586

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

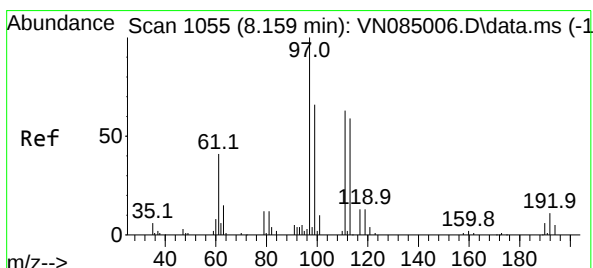
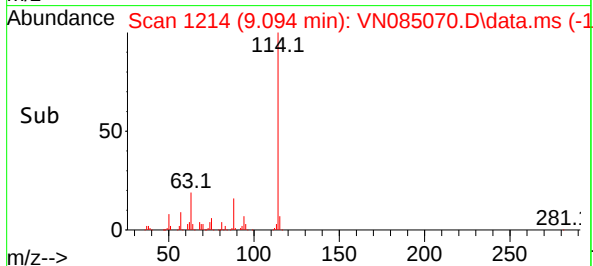
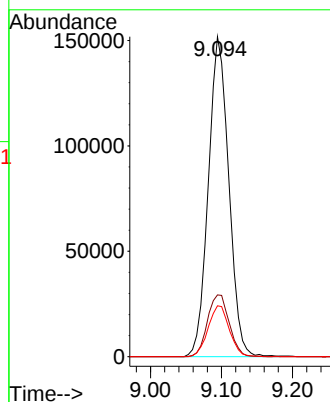
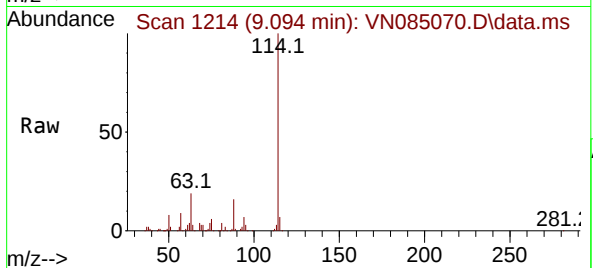
Tgt Ion:114 Resp: 303634

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.793 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

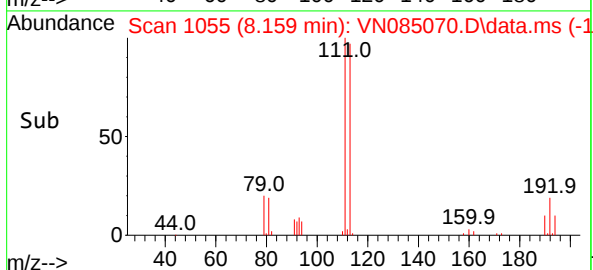
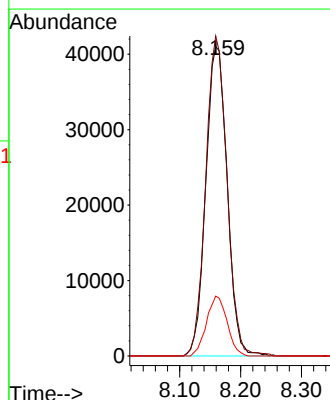
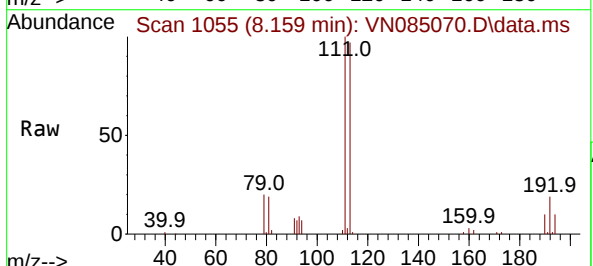
Tgt Ion:113 Resp: 99908

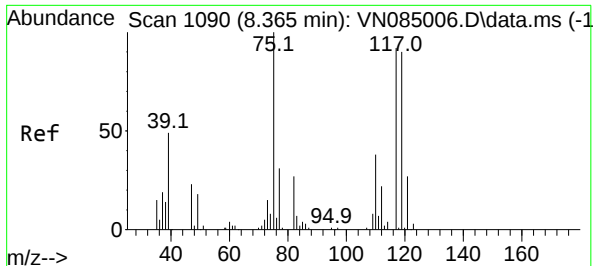
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

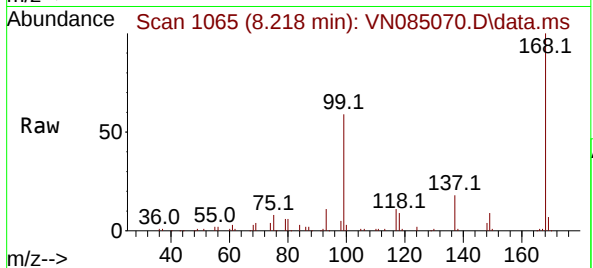
Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :



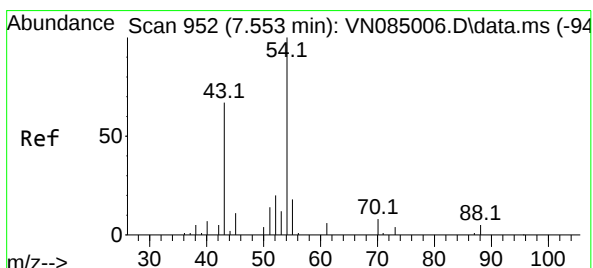
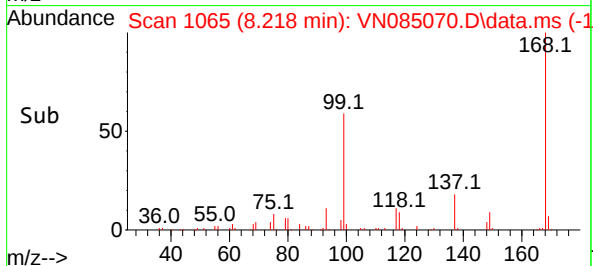
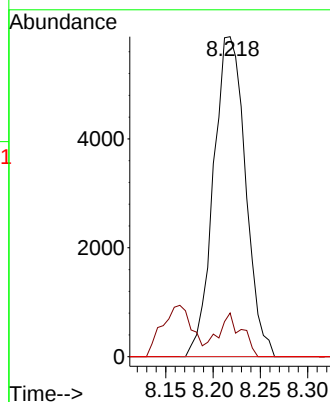
Tgt Ion: 75 Resp: 13800

Ion Ratio Lower Upper

75 100

110 9.7 17.2 51.6#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 0.980 ug/l

RT: 7.547 min Scan# 951

Delta R.T. -0.006 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

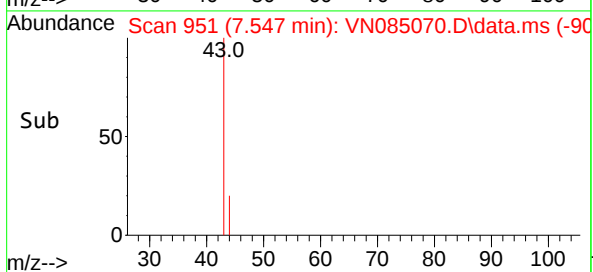
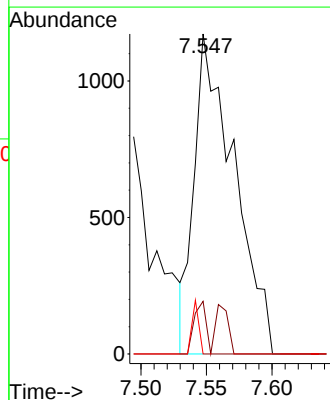
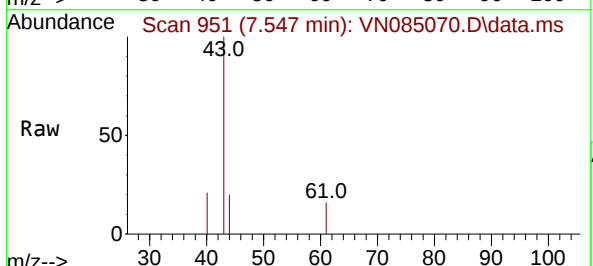
Tgt Ion: 43 Resp: 2472

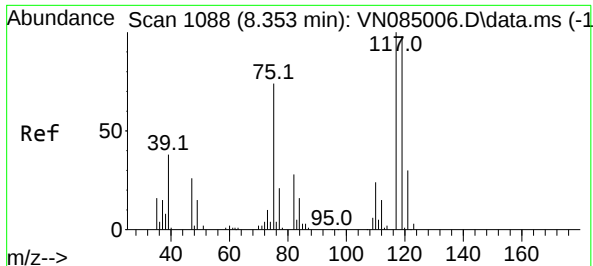
Ion Ratio Lower Upper

43 100

61 4.9 11.7 17.5#

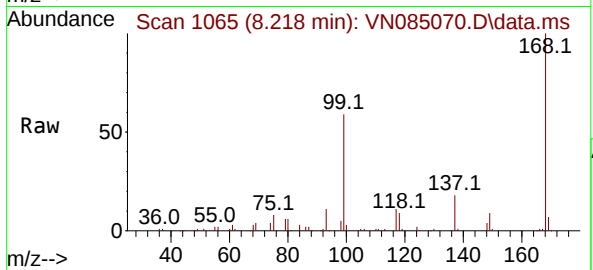
70 2.8 9.3 13.9#



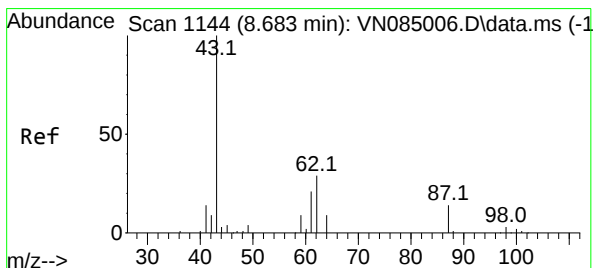
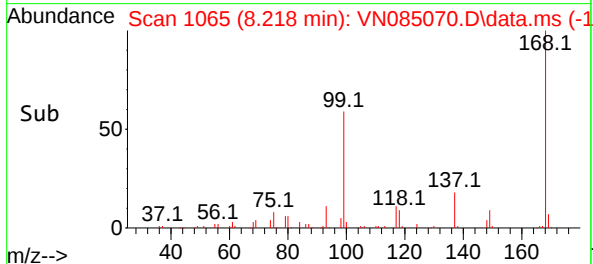
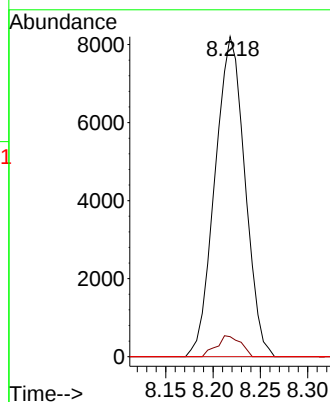


#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

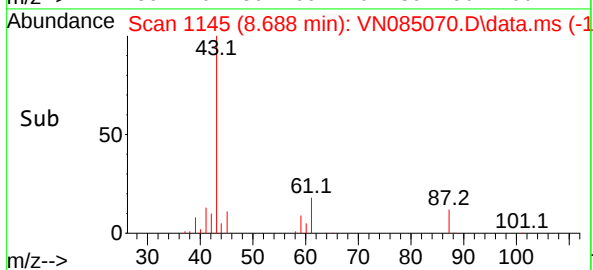
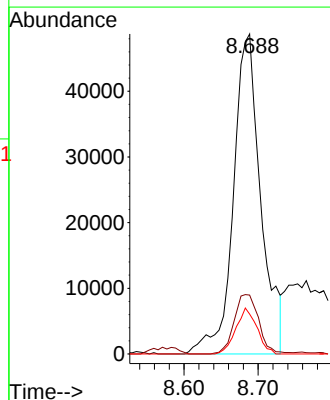
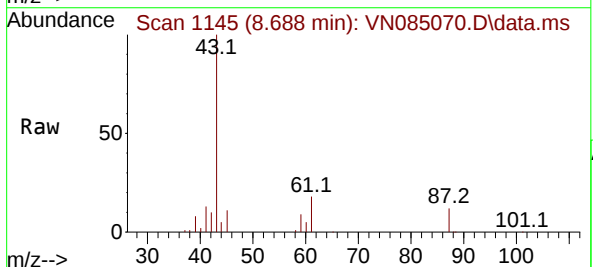


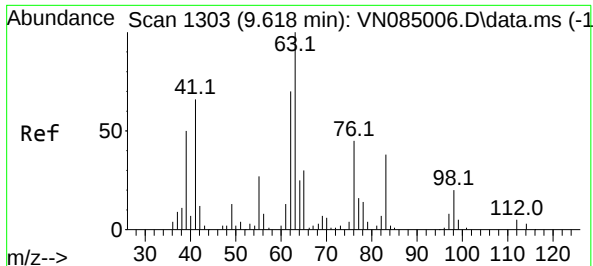
Tgt Ion:117 Resp: 18048
Ion Ratio Lower Upper
117 100
119 6.2 78.6 117.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 23.961 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Tgt Ion: 43 Resp: 125493
Ion Ratio Lower Upper
43 100
61 16.6 20.6 30.8#
87 11.0 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.485 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

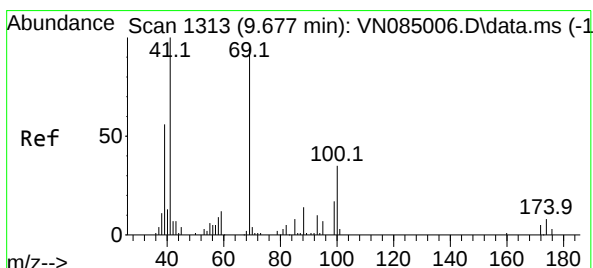
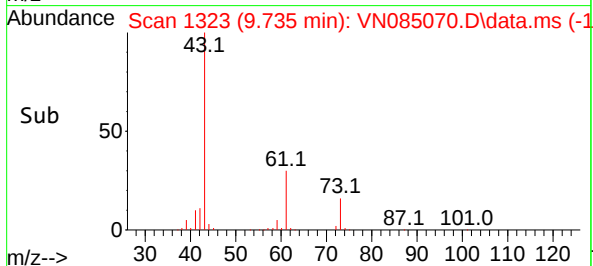
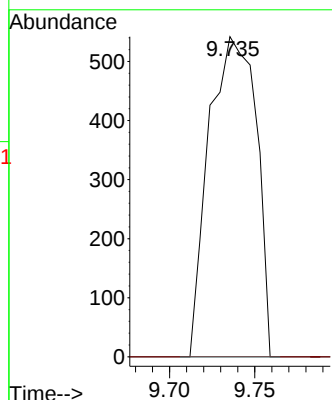
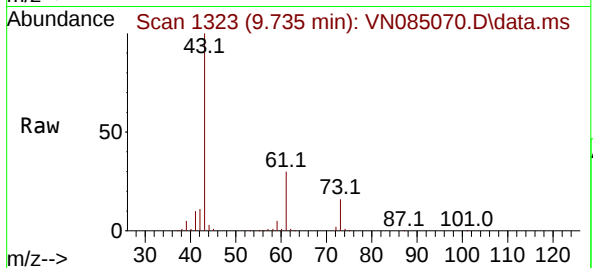
ClientSampleId :

Tgt Ion: 63 Resp: 1047

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 40.969 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

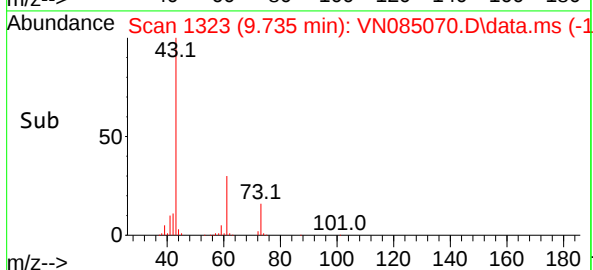
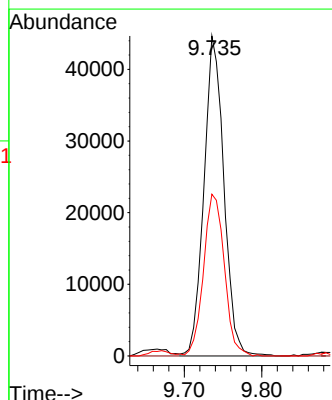
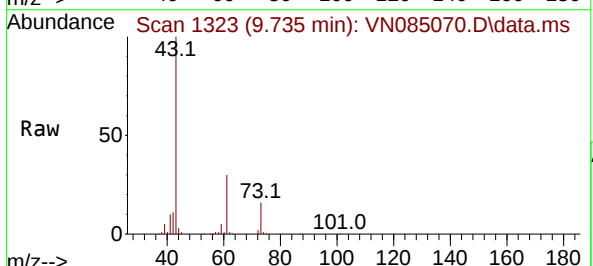
Tgt Ion: 41 Resp: 79845

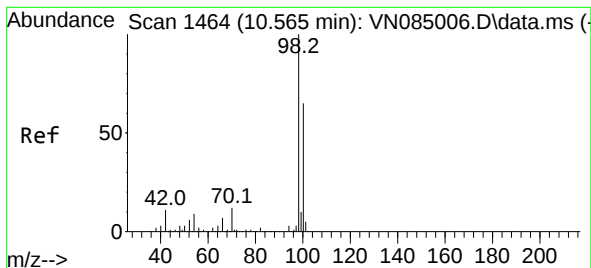
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 52.9 46.2 69.4





#50

Toluene-d8

Concen: 48.153 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

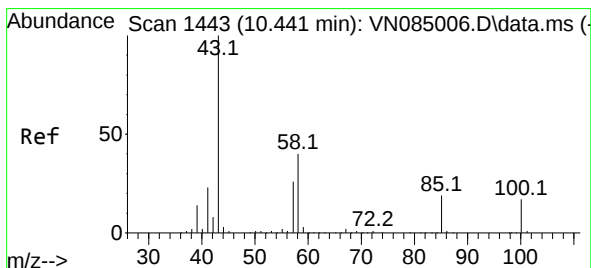
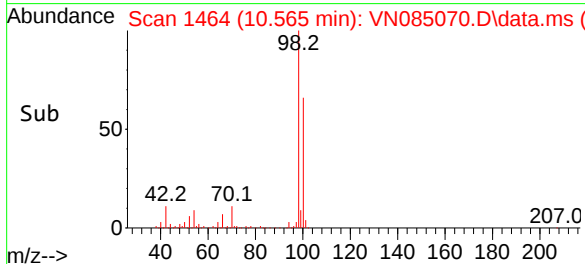
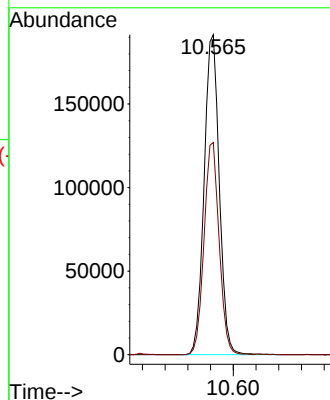
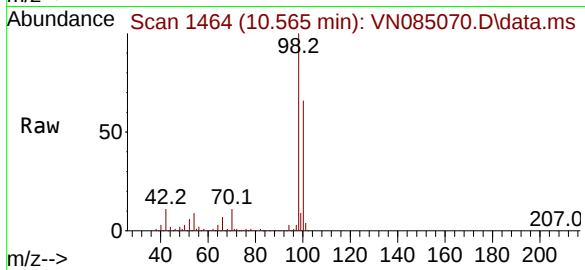
ClientSampleId :

Tgt Ion: 98 Resp: 353355

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.825 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085070.D

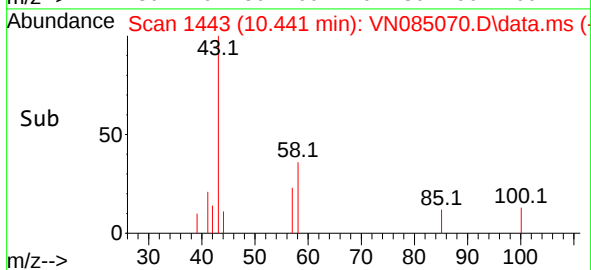
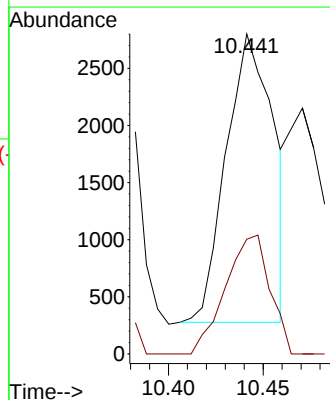
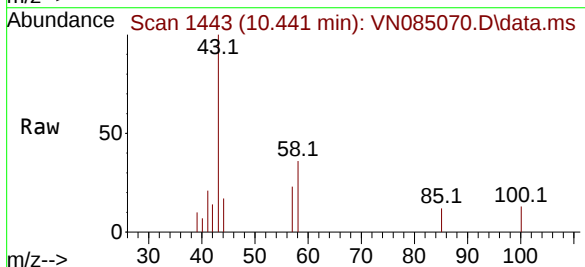
Acq: 02 Dec 2024 15:18

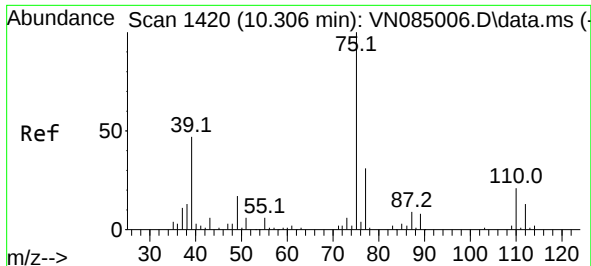
Tgt Ion: 43 Resp: 4365

Ion Ratio Lower Upper

43 100

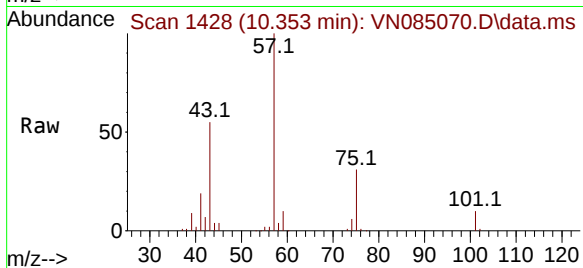
58 38.8 32.1 48.1



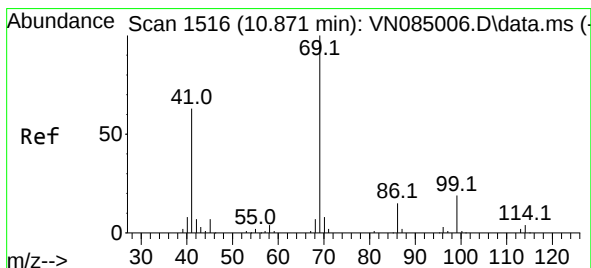
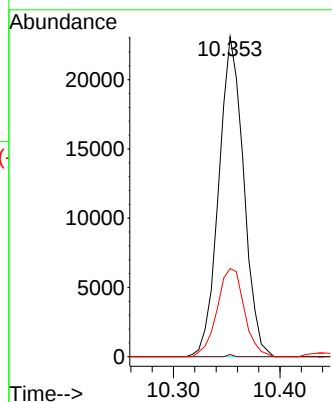
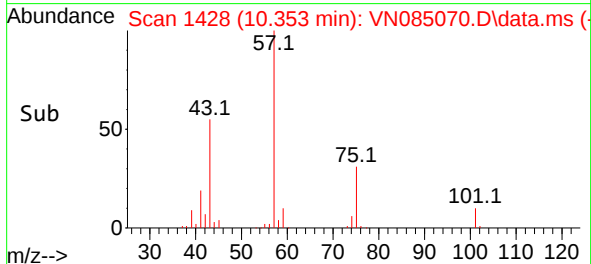


#54
 cis-1,3-Dichloropropene
 Concen: 11.056 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085070.D
 Acq: 02 Dec 2024 15:18

Instrument :
 MSVOA_N
 ClientSampleId :

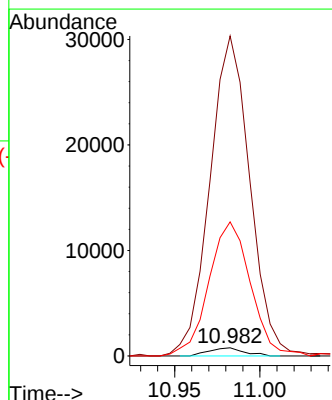
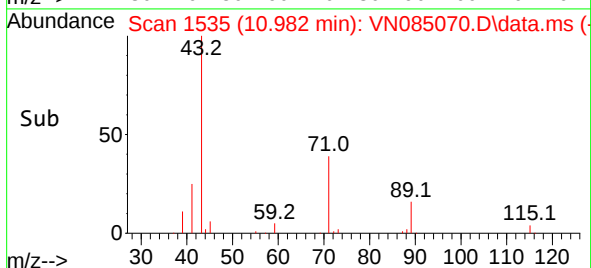
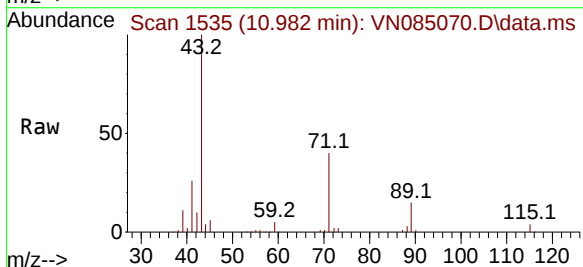


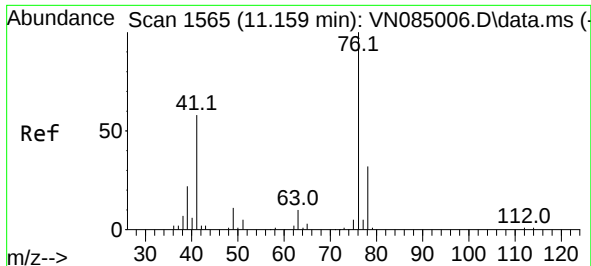
Tgt Ion: 75 Resp: 37417
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 27.5 37.6 56.4#



#56
 Ethyl methacrylate
 Concen: 0.392 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN085070.D
 Acq: 02 Dec 2024 15:18

Tgt Ion: 69 Resp: 1109
 Ion Ratio Lower Upper
 69 100
 41 4485.8 50.0 75.0#
 39 1946.1 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.315 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

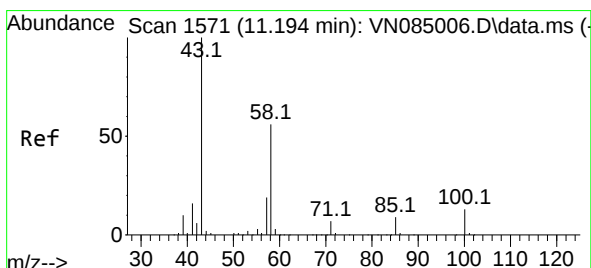
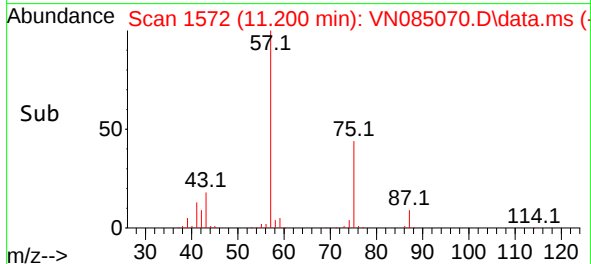
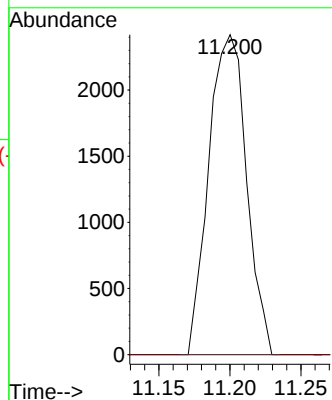
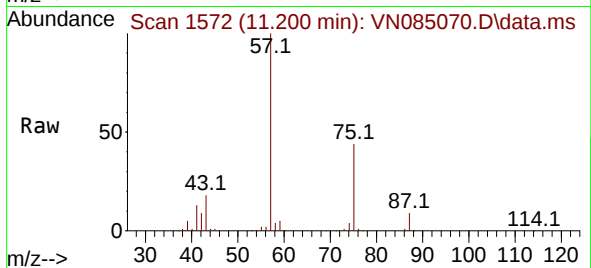
ClientSampleId :

Tgt Ion: 76 Resp: 4476

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.701 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.029 min

Lab File: VN085070.D

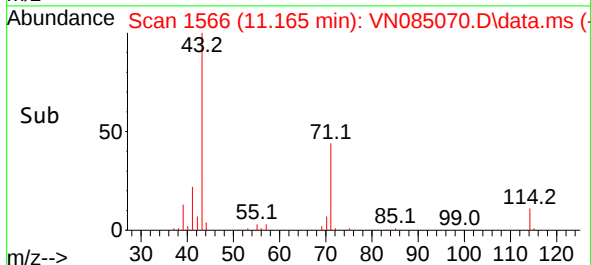
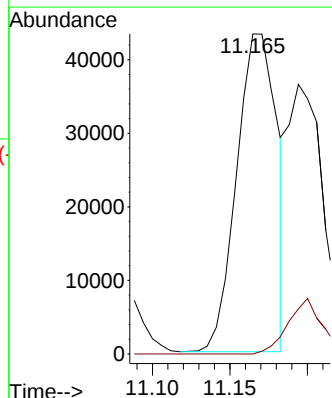
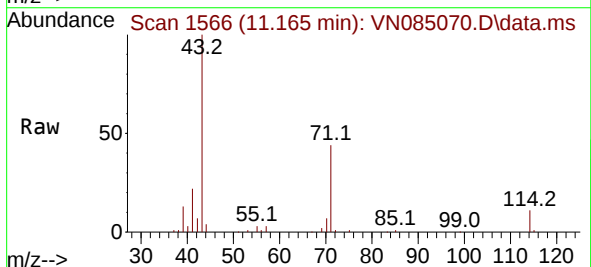
Acq: 02 Dec 2024 15:18

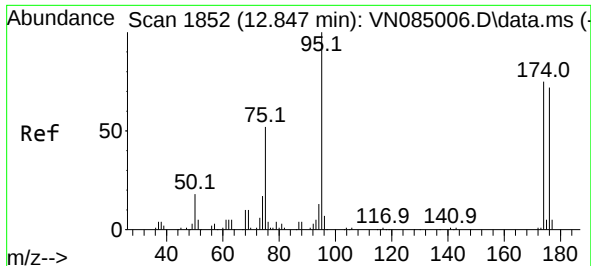
Tgt Ion: 43 Resp: 78186

Ion Ratio Lower Upper

43 100

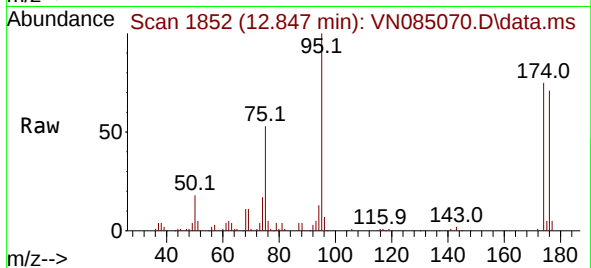
58 0.0 28.3 85.0#



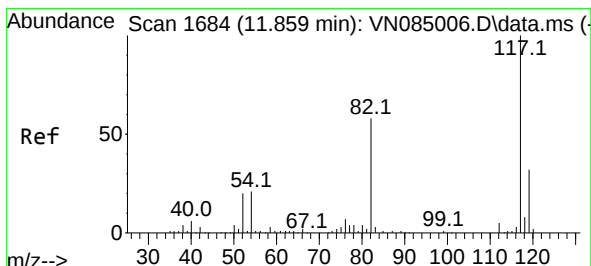
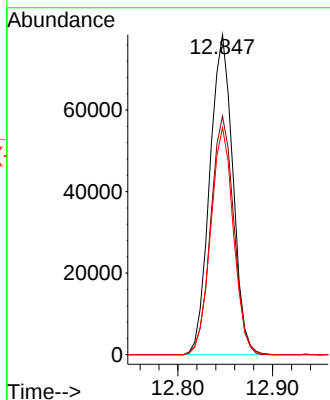
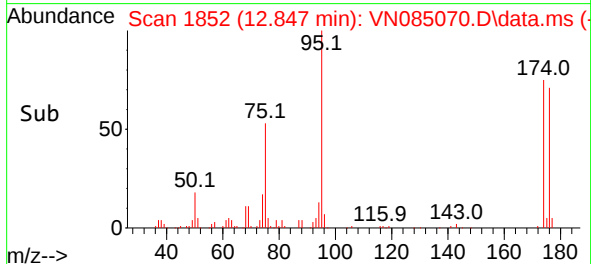


#62
4-Bromofluorobenzene
Concen: 48.289 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

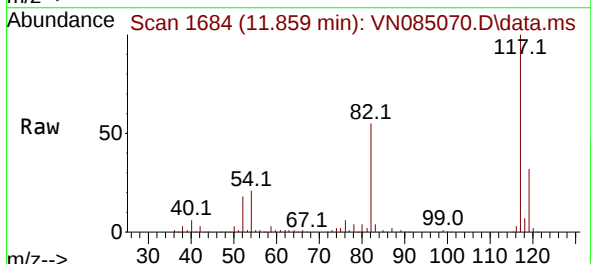
Instrument :
MSVOA_N
ClientSampleId :



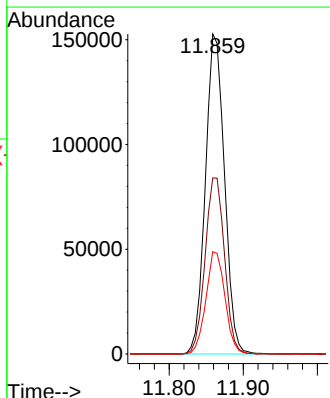
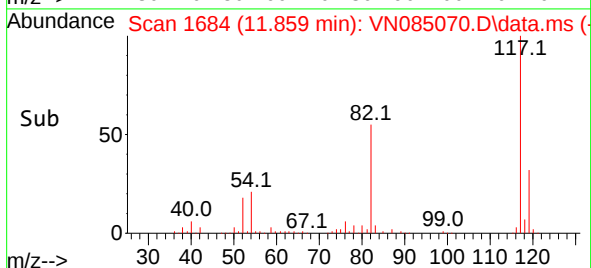
Tgt Ion: 95 Resp: 132516
Ion Ratio Lower Upper
95 100
174 74.4 0.0 146.6
176 70.3 0.0 141.8

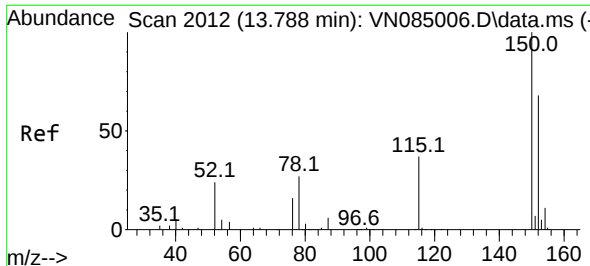


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18



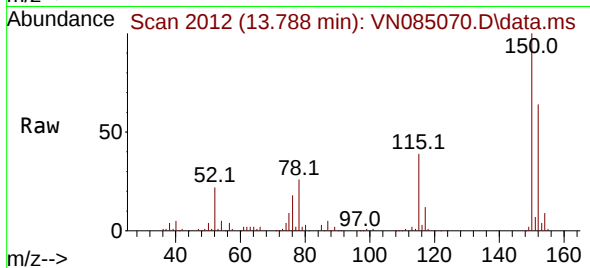
Tgt Ion: 117 Resp: 273125
Ion Ratio Lower Upper
117 100
82 55.0 46.0 69.0
119 31.9 25.6 38.4



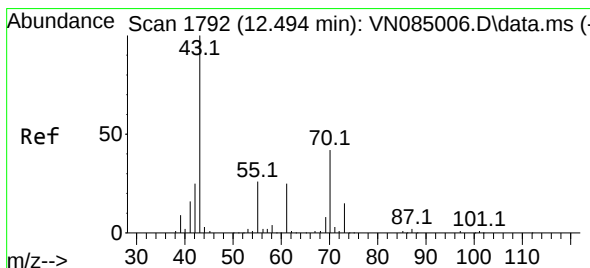
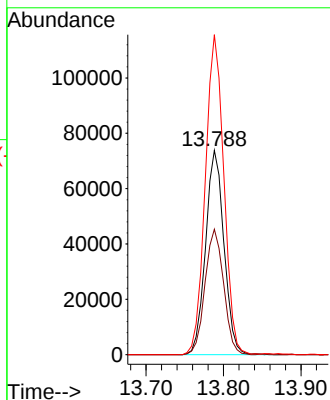
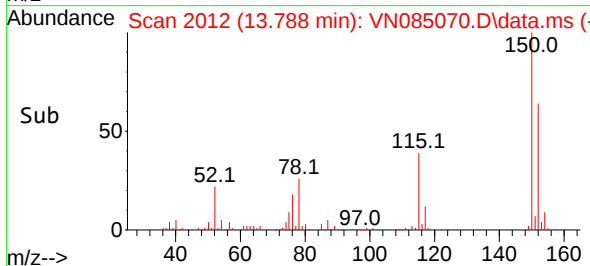


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085070.D
 Acq: 02 Dec 2024 15:18

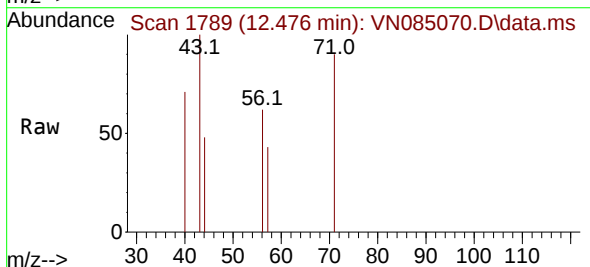
Instrument :
 MSVOA_N
 ClientSampleId :



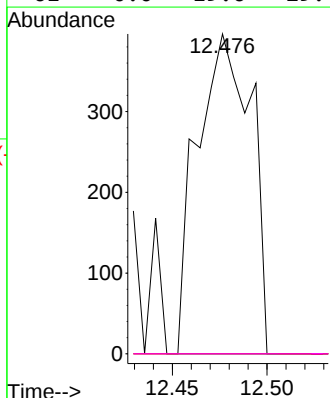
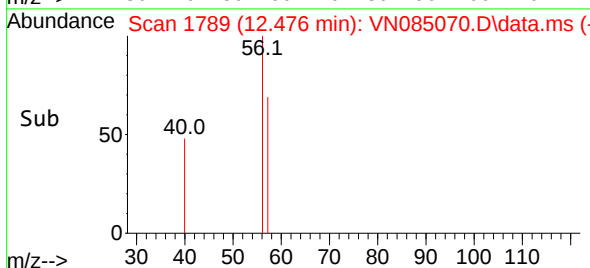
Tgt Ion:152 Resp: 121711
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.7 95.1
 150 157.8 0.0 351.4

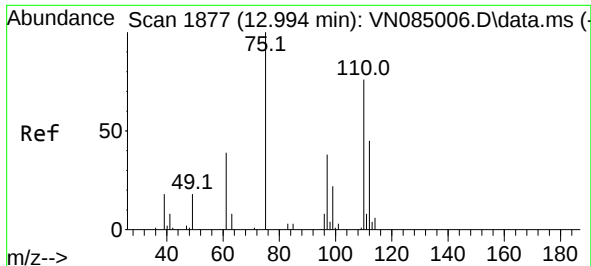


#74
 N-ethyl acetate
 Concen: 0.222 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN085070.D
 Acq: 02 Dec 2024 15:18



Tgt Ion: 43 Resp: 785
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.6 51.8#
 55 0.0 20.5 30.7#
 61 0.0 19.6 29.4#

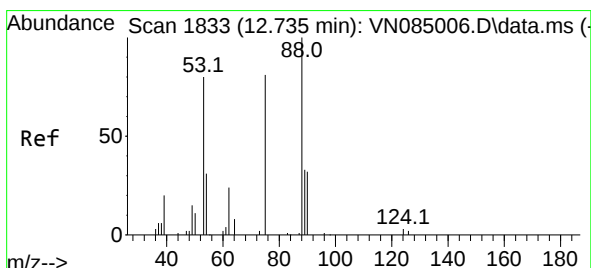
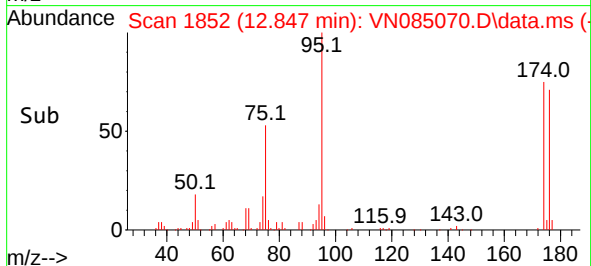
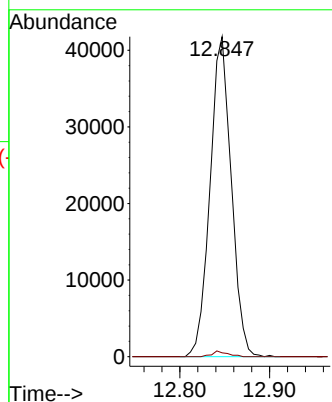
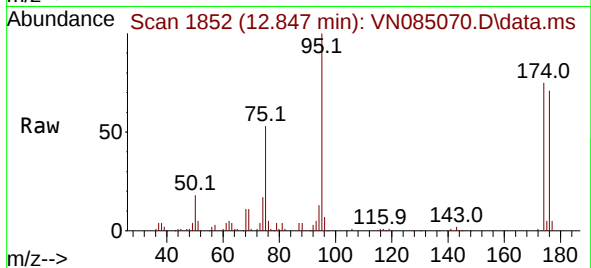




#76
1,2,3-Trichloropropane
Concen: 31.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

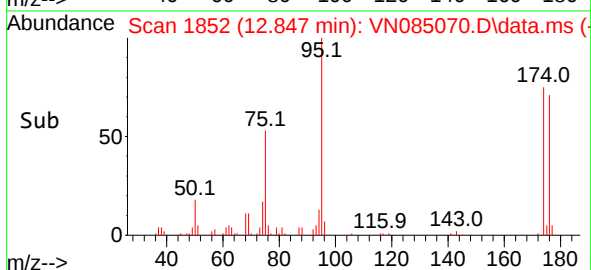
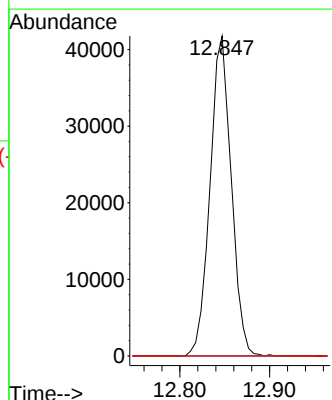
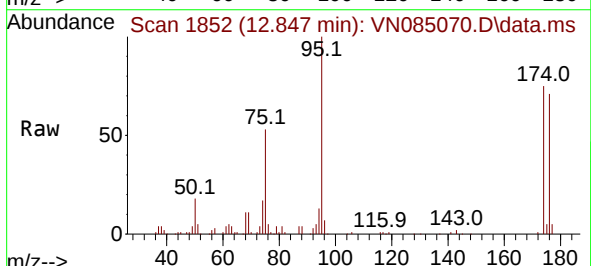
Instrument :
MSVOA_N
ClientSampleId :

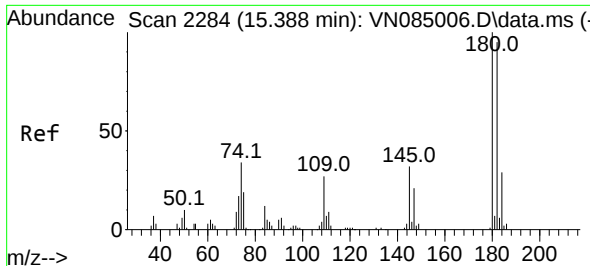
Tgt Ion: 75 Resp: 68637
Ion Ratio Lower Upper
75 100
77 1.3 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.443 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085070.D
Acq: 02 Dec 2024 15:18

Tgt Ion: 75 Resp: 68637
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

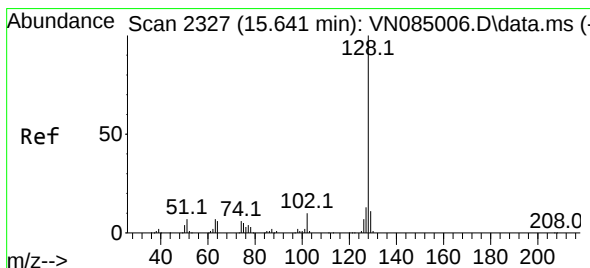
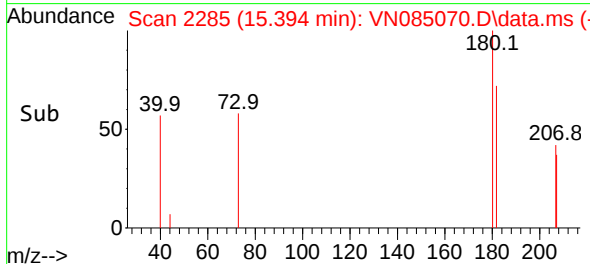
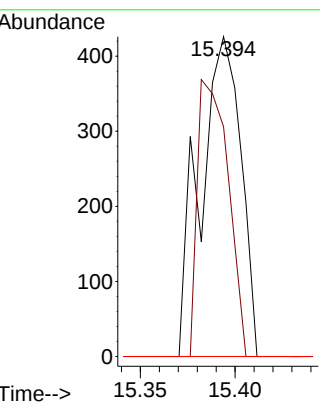
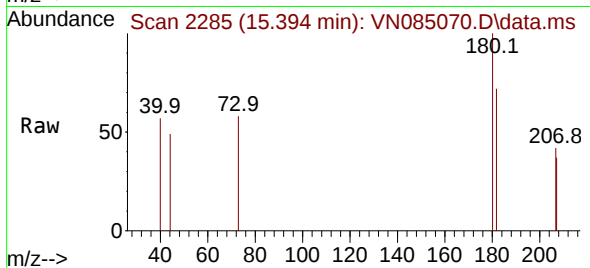
Tgt Ion:180 Resp: 635

Ion Ratio Lower Upper

180 100

182 65.4 46.9 140.8

145 0.0 16.3 48.8#



#95

Naphthalene

Concen: 0.246 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085070.D

Acq: 02 Dec 2024 15:18

Tgt Ion:128 Resp: 1661

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

