

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083943.D
 Acq On : 17 Sep 2024 14:17
 Operator : JC\MD
 Sample : P3989-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Sep 18 01:48:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

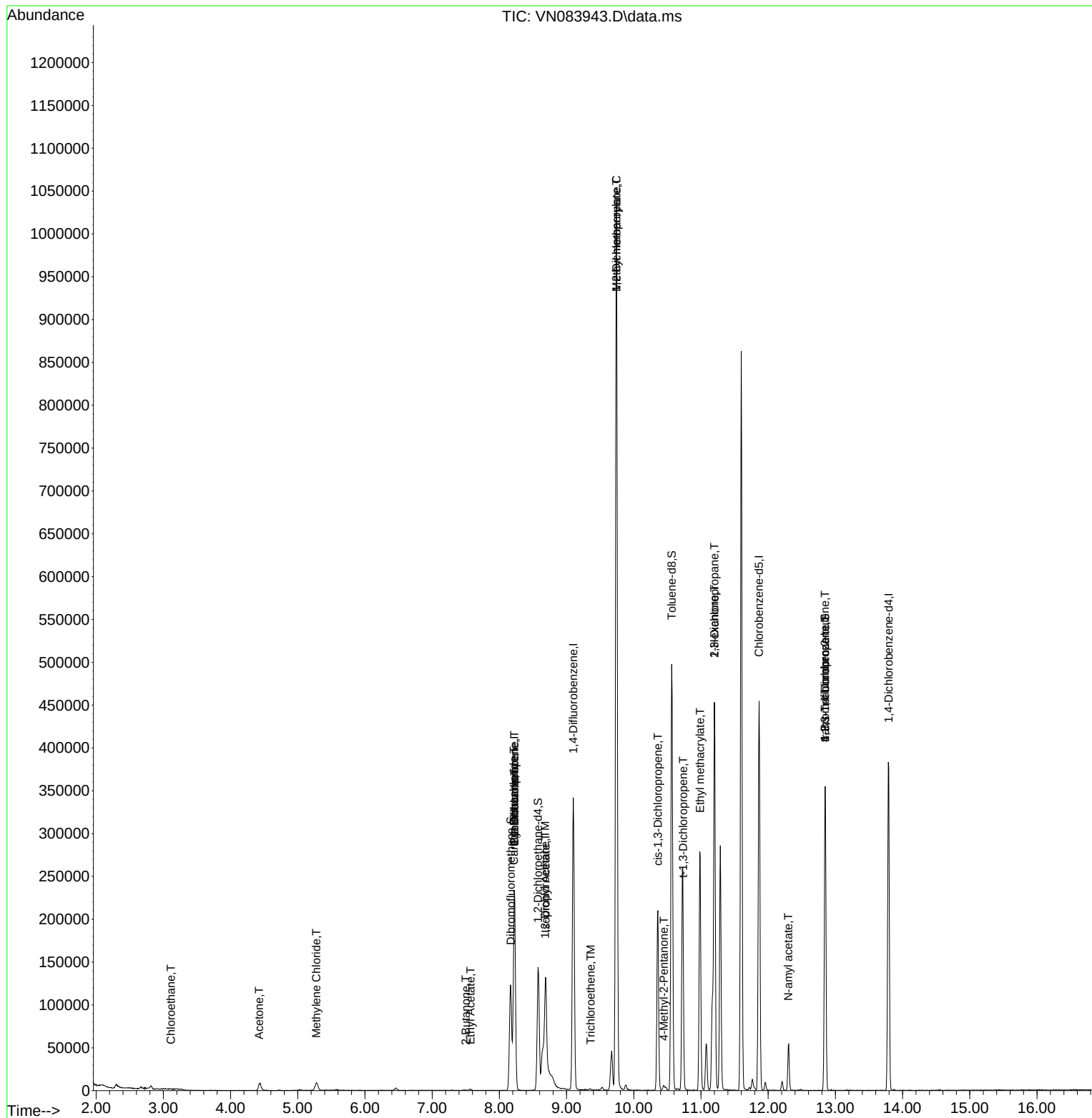
Internal Standards						
1) Pentafluorobenzene	8.224	168	155639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	238290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123028	52.423	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.840%	
35) Dibromofluoromethane	8.171	113	88101	50.156	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	10.565	98	331842	54.647	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.300%	
62) 4-Bromofluorobenzene	12.847	95	117589	46.935	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	130	Below Cal	#	41
6) Chloroethane	3.112	64	314	0.226	ug/l #	45
16) Acetone	4.424	43	15757	16.749	ug/l	95
18) Methyl Acetate	5.024	43	1146	Below Cal	#	62
20) Methylene Chloride	5.277	84	6970	3.620	ug/l	97
25) 2-Butanone	7.500	43	1149	0.929	ug/l #	49
31) Cyclohexane	8.224	56	4365	1.287	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15131	5.723	ug/l #	50
37) Ethyl Acetate	7.571	43	2722	1.134	ug/l #	68
38) Carbon Tetrachloride	8.218	117	18085	6.029	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	1027	0.345	ug/l #	77
43) Isopropyl Acetate	8.688	43	231314	53.190	ug/l #	76
44) Trichloroethene	9.359	130	576	0.313	ug/l	91
45) 1,2-Dichloropropane	9.741	63	1215	0.632	ug/l #	42
48) Methyl methacrylate	9.741	41	99250	48.104	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	3580	1.512	ug/l	93
53) t-1,3-Dichloropropene	10.735	75	618	0.209	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	35841	11.546	ug/l #	67
56) Ethyl methacrylate	10.988	69	1033	0.369	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4561	1.460	ug/l #	42
59) 2-Hexanone	11.200	43	59172	33.791	ug/l #	53
74) N-amyl acetate	12.300	43	17553	5.483	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	67573	34.530	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67573	90.436	ug/l #	9

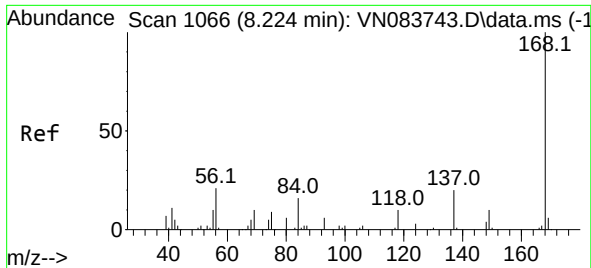
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

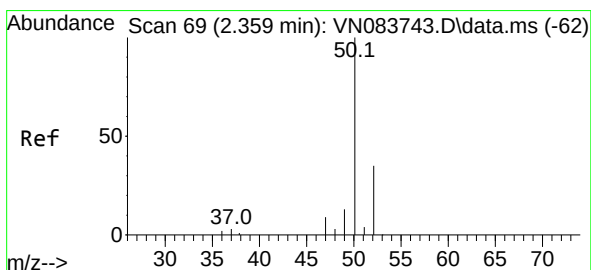
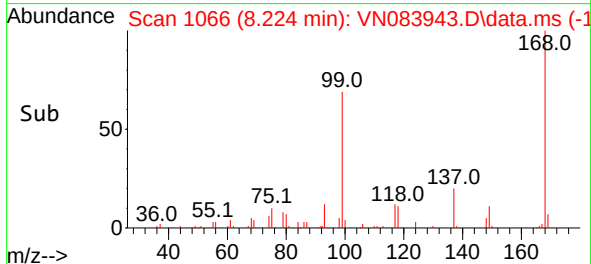
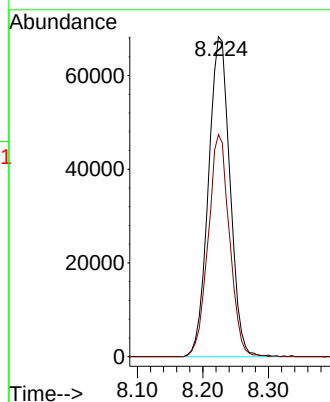
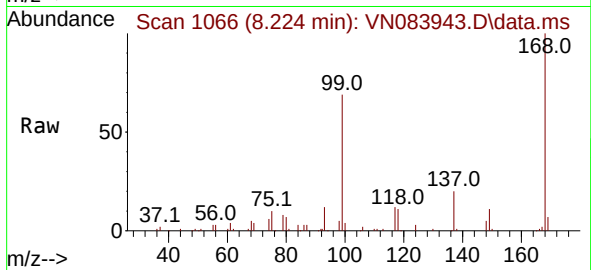




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

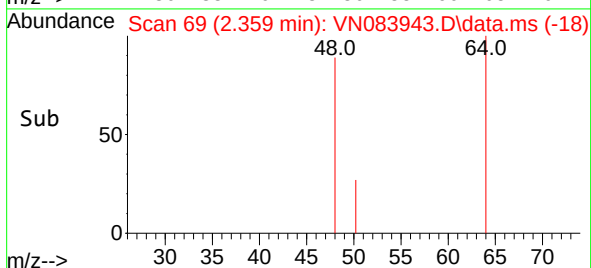
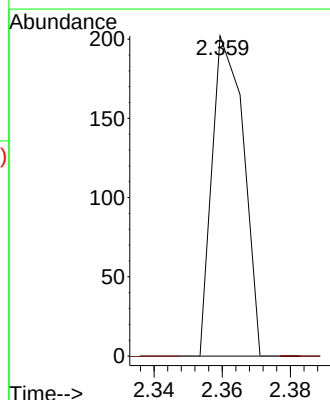
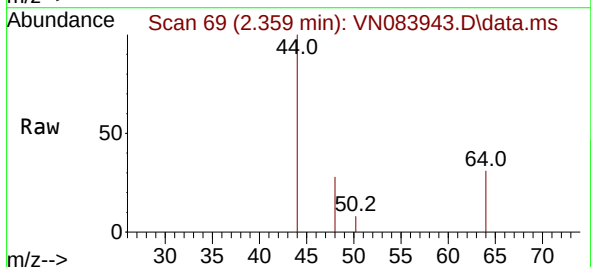
Instrument :
MSVOA_N
ClientSampleId :
TP-2

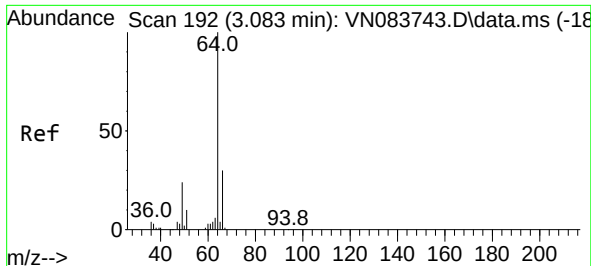
Tgt Ion:168 Resp: 155639
Ion Ratio Lower Upper
168 100
99 69.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 50 Resp: 130
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

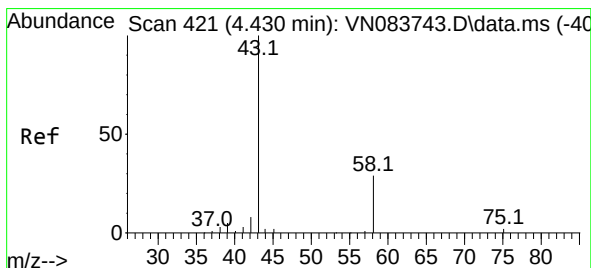
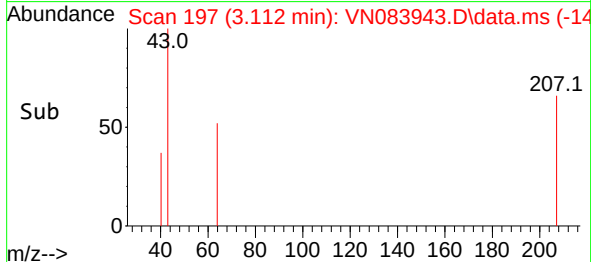
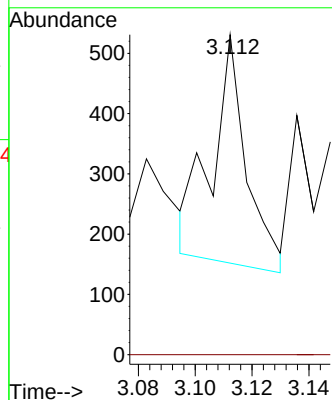
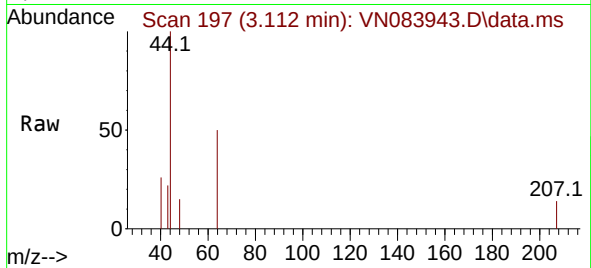




#6
Chloroethane
Concen: 0.226 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.029 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

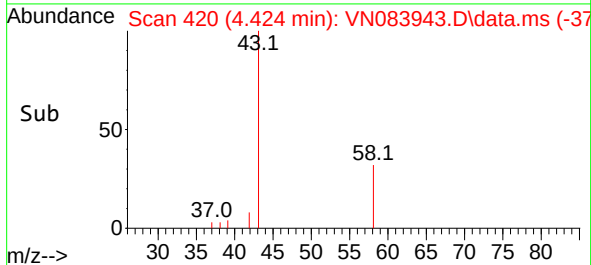
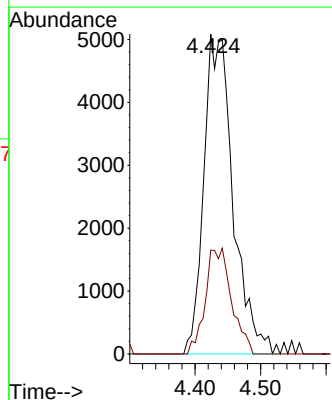
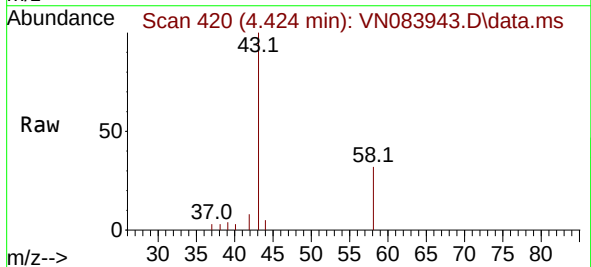
Instrument :
MSVOA_N
ClientSampleId :
TP-2

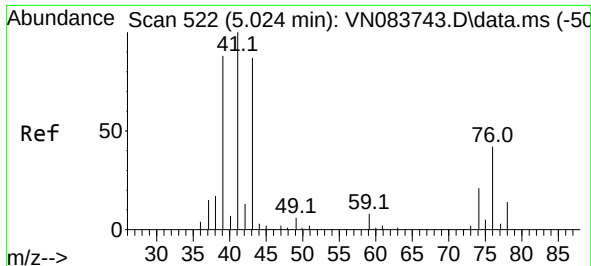
Tgt Ion: 64 Resp: 314
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#16
Acetone
Concen: 16.749 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 43 Resp: 15757
Ion Ratio Lower Upper
43 100
58 32.5 23.7 35.5





#18

Methyl Acetate

Concen: Below Cal

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

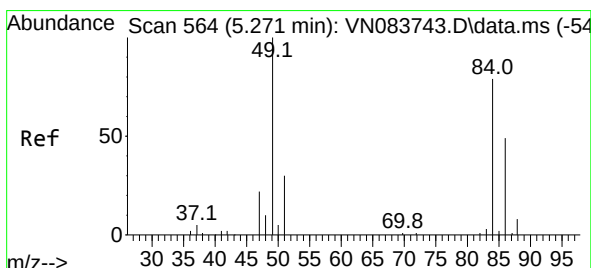
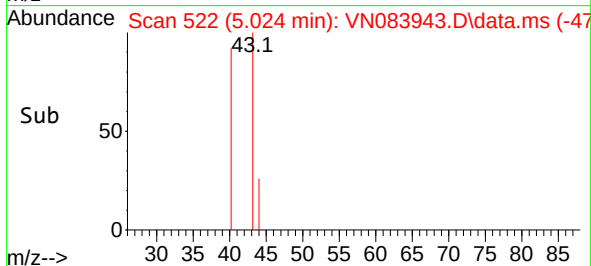
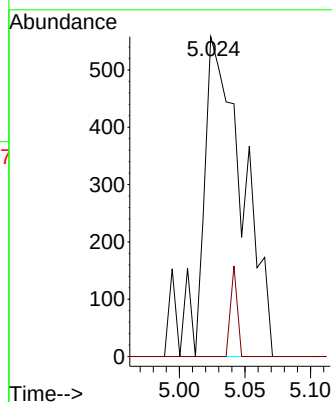
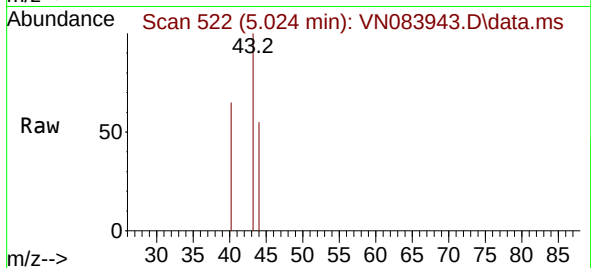
TP-2

Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

74 4.9 19.0 28.4#



#20

Methylene Chloride

Concen: 3.620 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Tgt Ion: 84 Resp: 6970

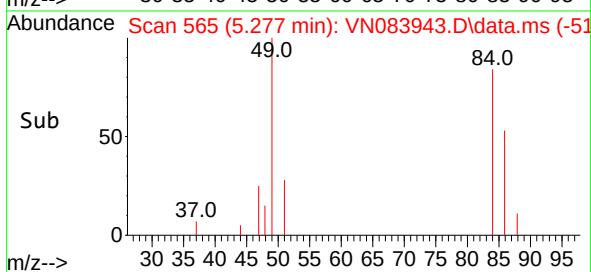
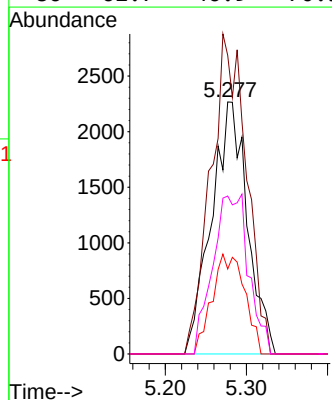
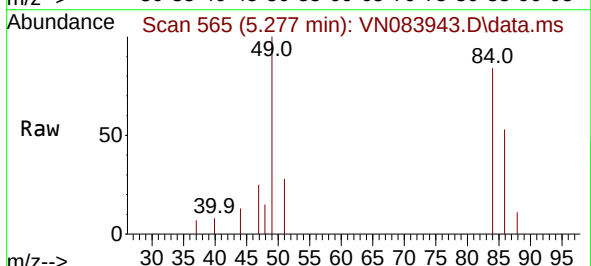
Ion Ratio Lower Upper

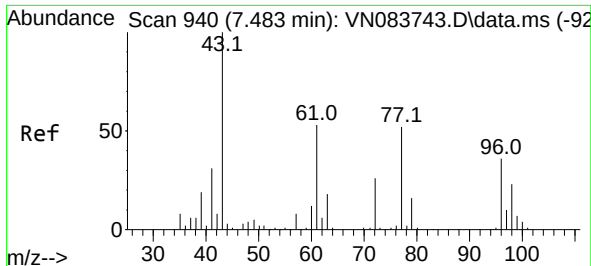
84 100

49 118.5 93.4 140.0

51 33.7 29.2 43.8

86 62.7 46.9 70.3

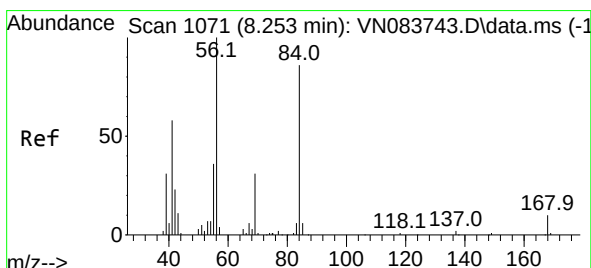
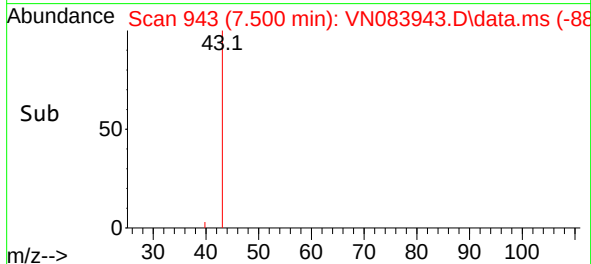
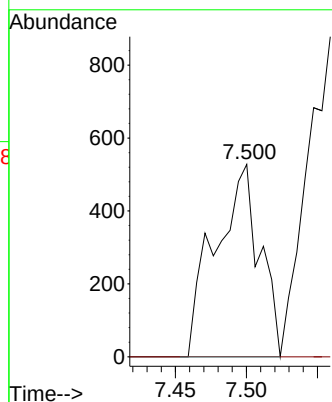
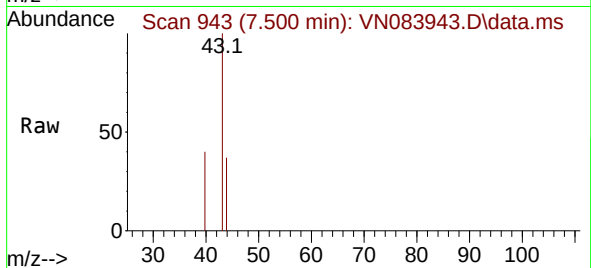




#25
2-Butanone
Concen: 0.929 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.018 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

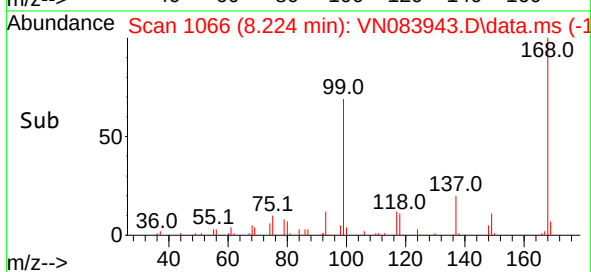
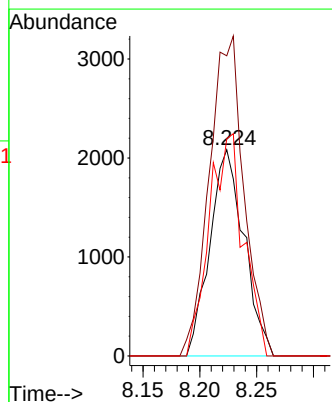
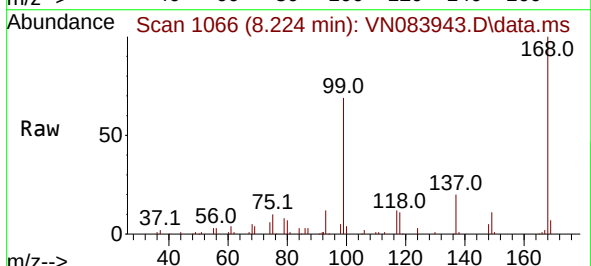
Instrument :
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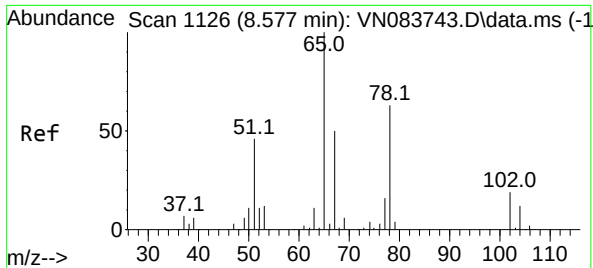
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 56 Resp: 4365
Ion Ratio Lower Upper
56 100
69 145.5 26.9 40.3#
84 116.4 69.2 103.8#

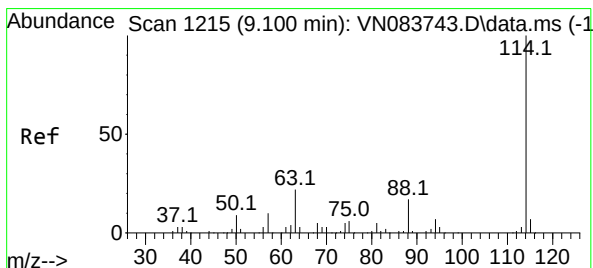
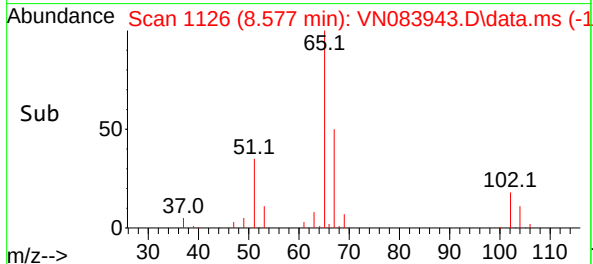
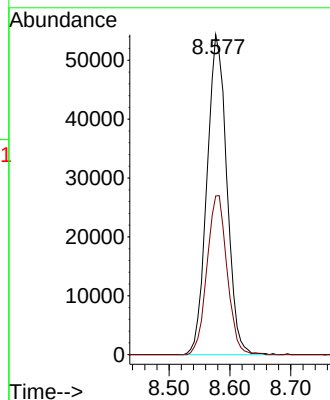
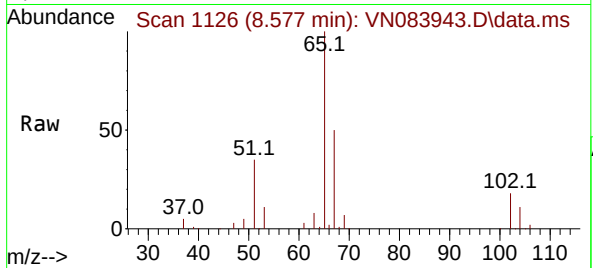




#33
 1,2-Dichloroethane-d4
 Concen: 52.423 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

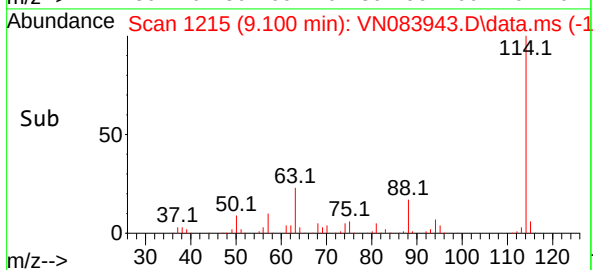
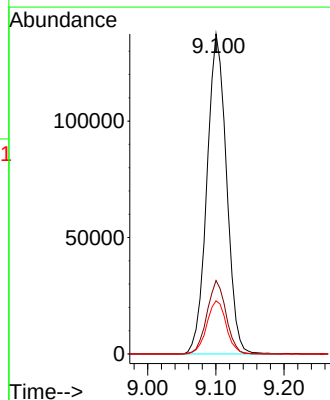
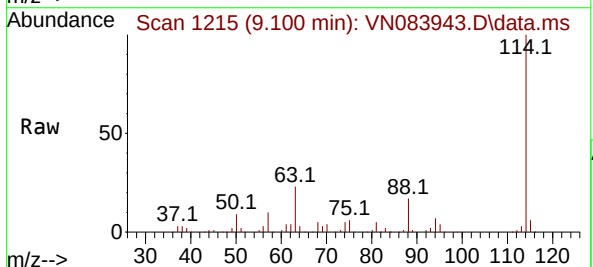
Instrument :
 MSVOA_N
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 TP-2

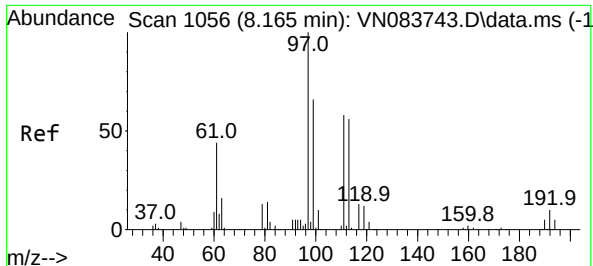
Tgt Ion: 65 Resp: 123028
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

Tgt Ion: 114 Resp: 274380
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.4
 88 16.6 0.0 32.6

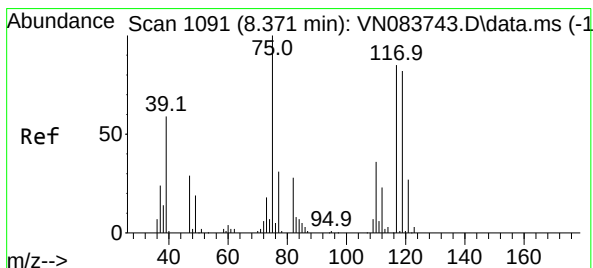
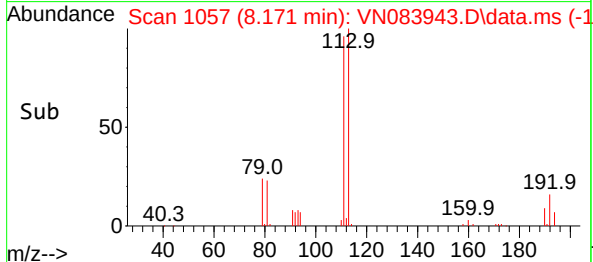
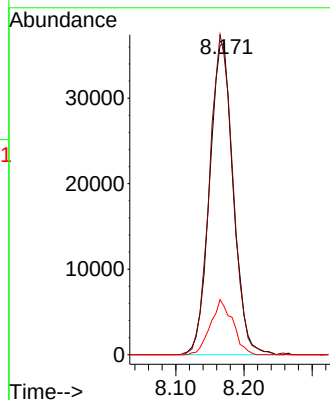
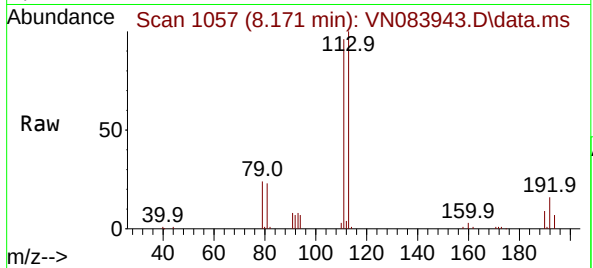




#35
Dibromofluoromethane
Concen: 50.156 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

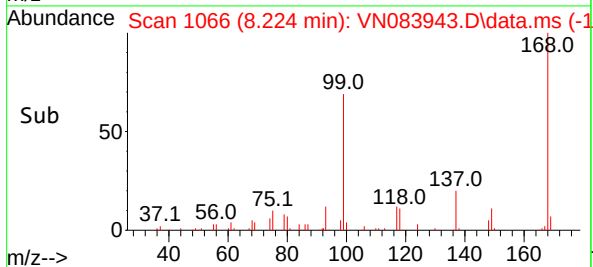
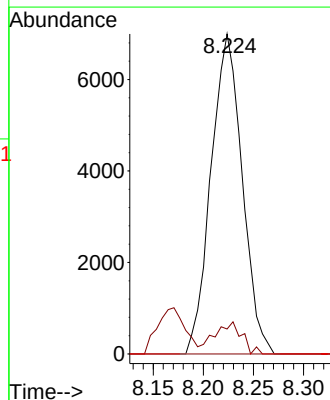
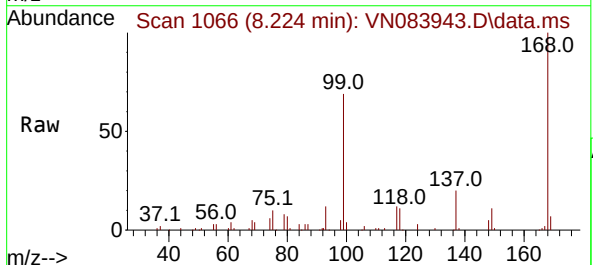
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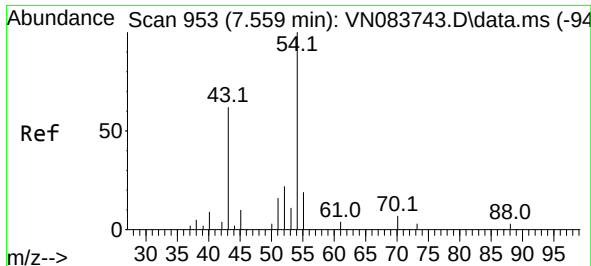
Tgt Ion:113 Resp: 88101
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.723 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 75 Resp: 15131
Ion Ratio Lower Upper
75 100
110 8.9 16.7 50.1#
77 0.0 25.2 37.8#

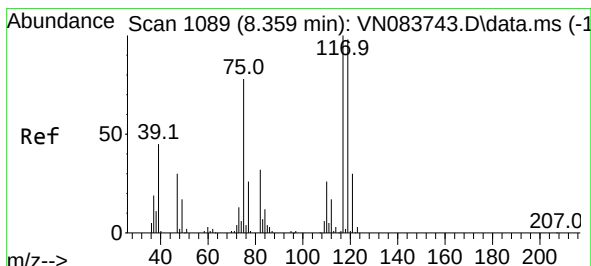
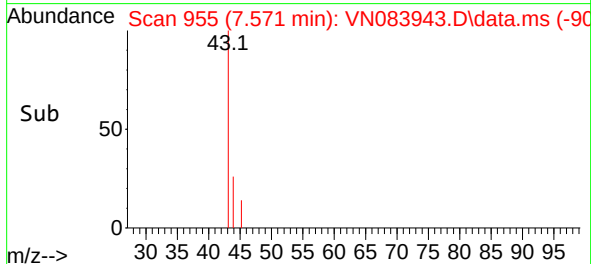
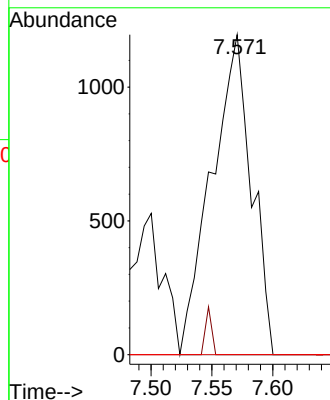
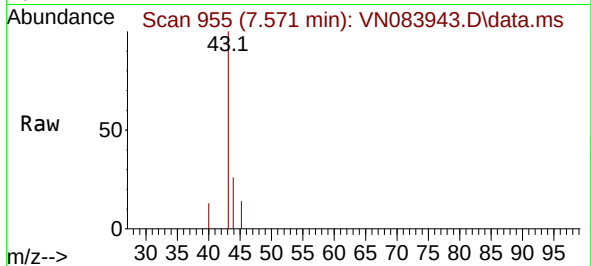




#37
Ethyl Acetate
Concen: 1.134 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

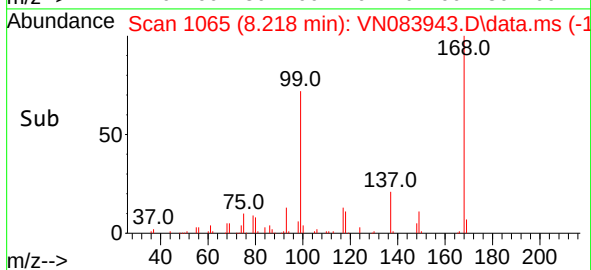
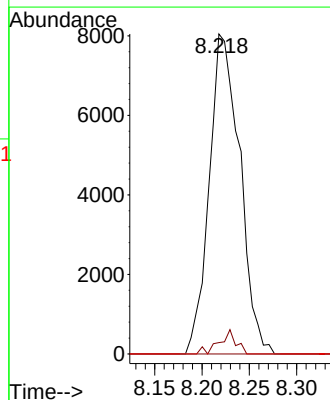
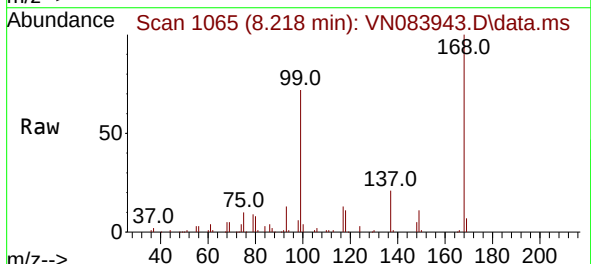
Instrument :
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TP-2

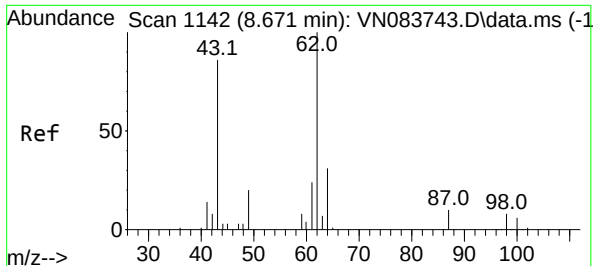
Tgt Ion: 43 Resp: 2722
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.029 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 117 Resp: 18085
Ion Ratio Lower Upper
117 100
119 3.5 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.345 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

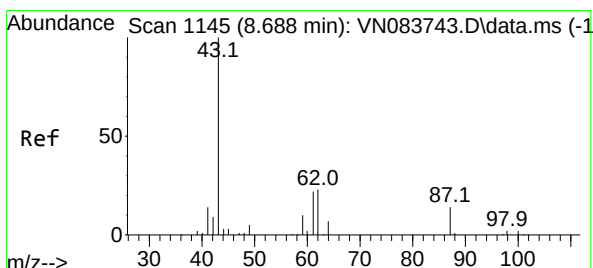
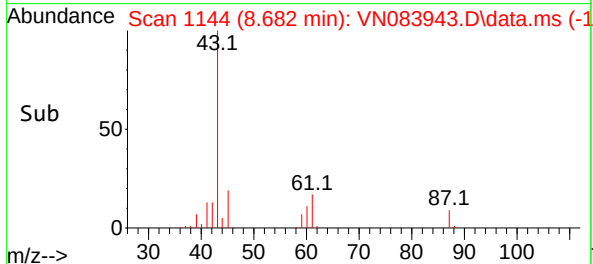
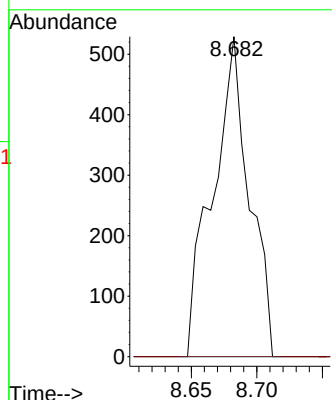
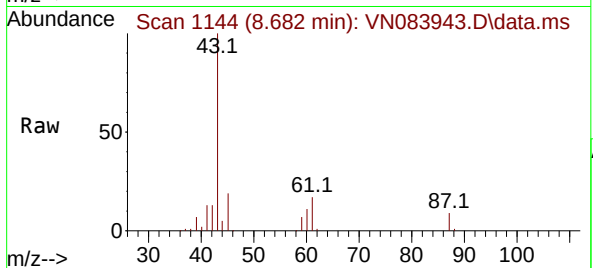
TP-2

Tgt Ion: 62 Resp: 1027

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 53.190 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

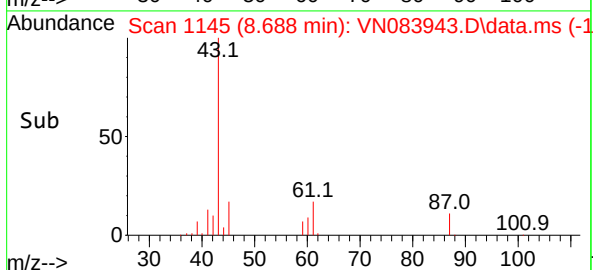
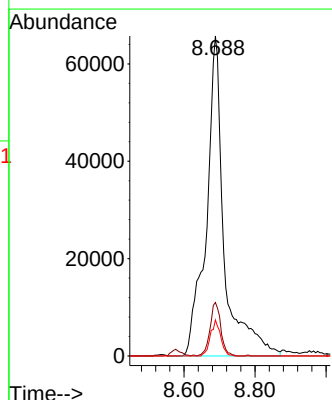
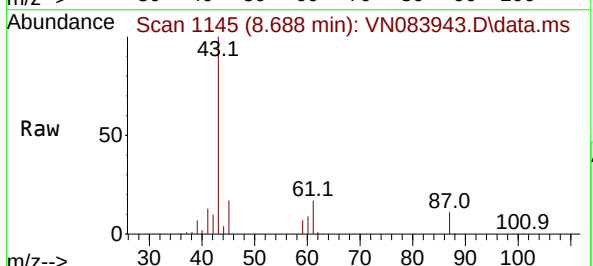
Tgt Ion: 43 Resp: 231314

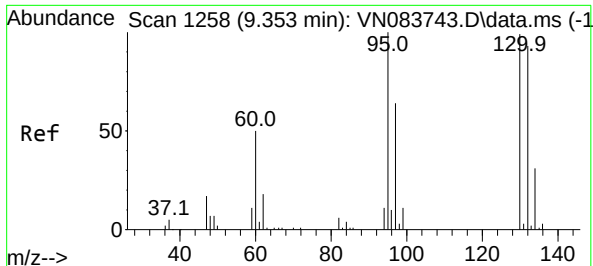
Ion Ratio Lower Upper

43 100

61 10.1 19.4 29.0#

87 6.3 9.8 14.6#

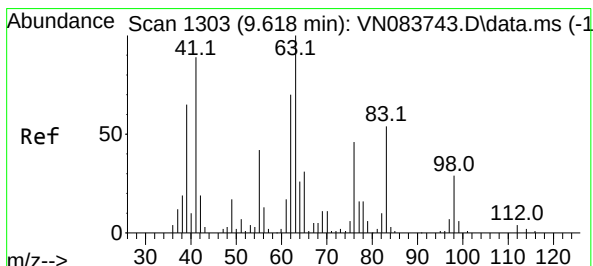
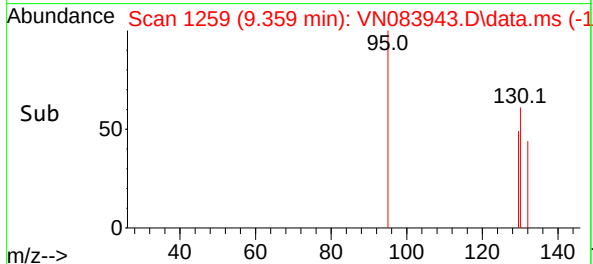
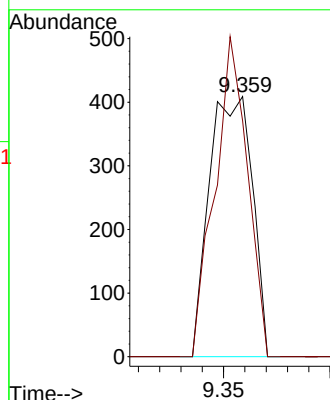
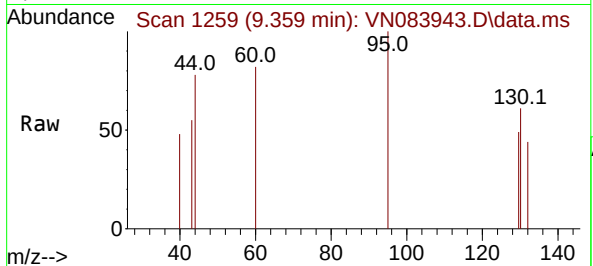




#44
Trichloroethene
Concen: 0.313 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

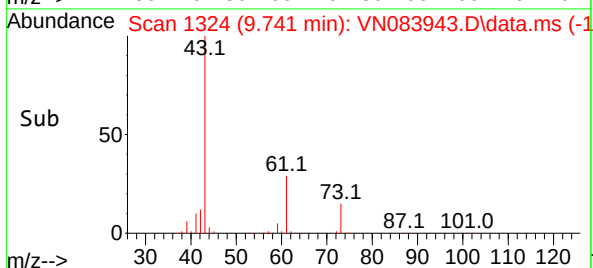
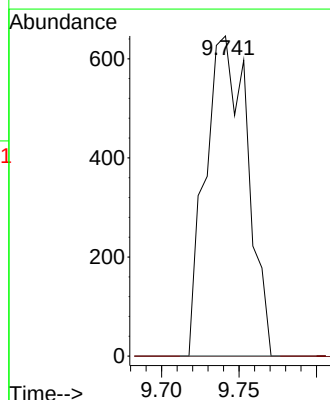
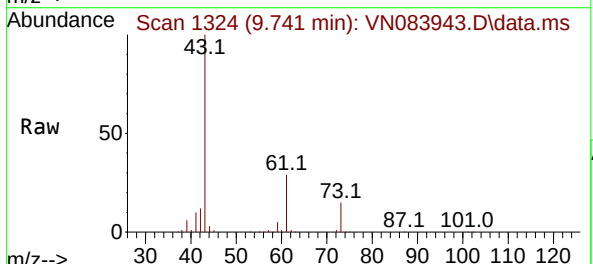
Instrument :
MSVOA_N
ClientSampleId :
TP-2

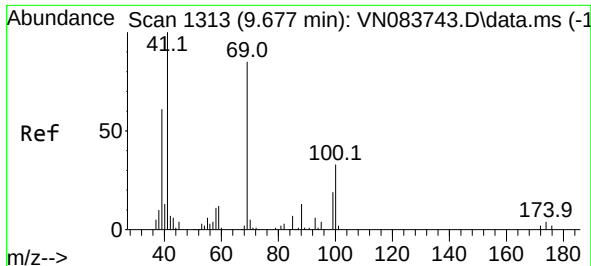
Tgt Ion:130 Resp: 576
Ion Ratio Lower Upper
130 100
95 90.7 0.0 200.4



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 63 Resp: 1215
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#

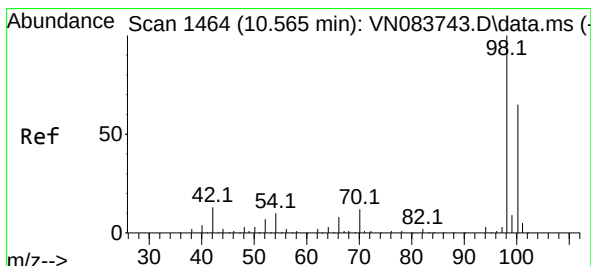
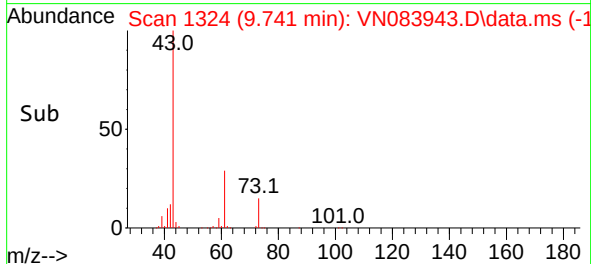
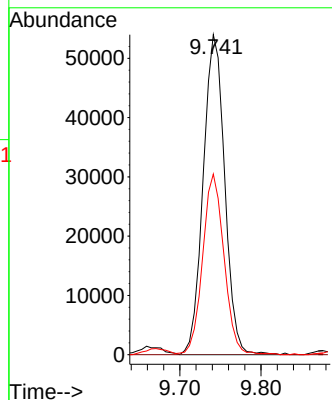
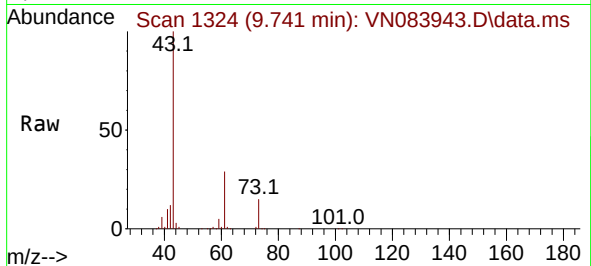




#48
Methyl methacrylate
Concen: 48.104 ug/l
RT: 9.741 min Scan# 1313
Delta R.T. 0.065 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

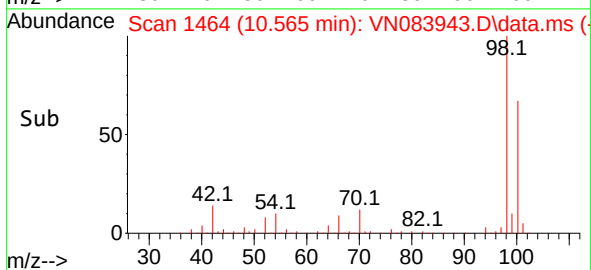
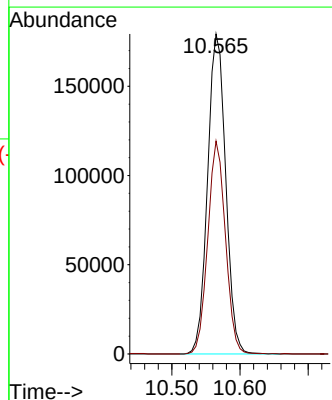
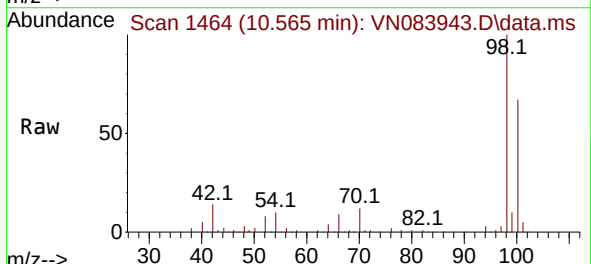
Instrument :
MSVOA_N
ClientSampleId :
TP-2

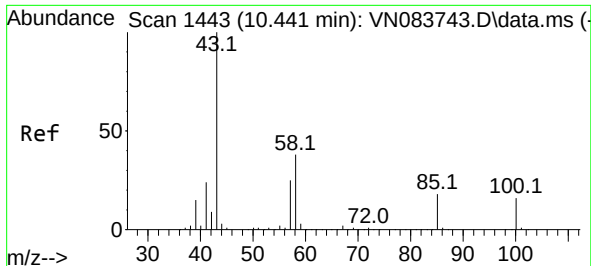
Tgt Ion: 41 Resp: 99250
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 56.2 48.9 73.3



#50
Toluene-d8
Concen: 54.647 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 98 Resp: 331842
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.512 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

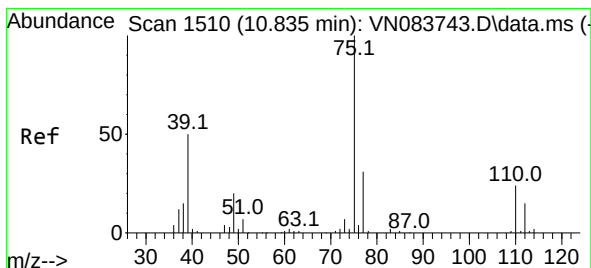
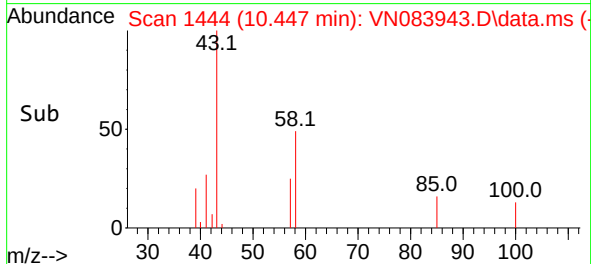
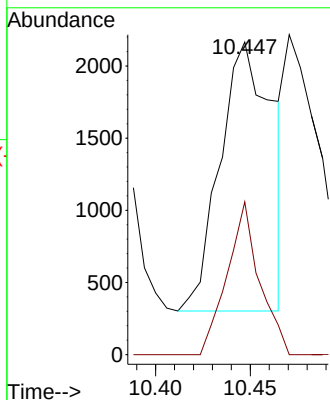
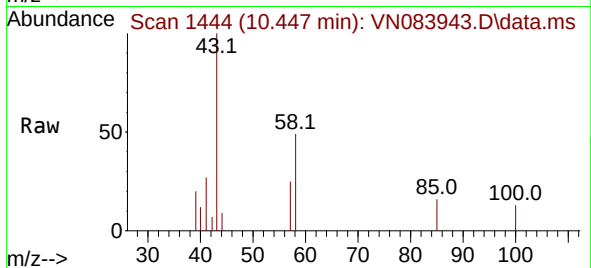
TP-2

Tgt Ion: 43 Resp: 3580

Ion Ratio Lower Upper

43 100

58 35.1 31.6 47.4



#53

t-1,3-Dichloropropene

Concen: 0.209 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.100 min

Lab File: VN083943.D

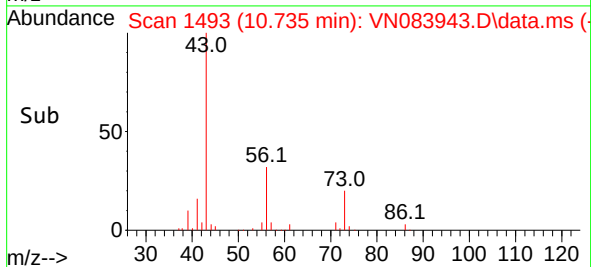
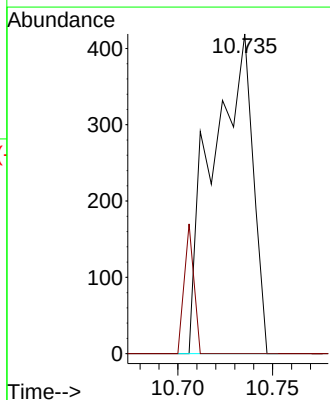
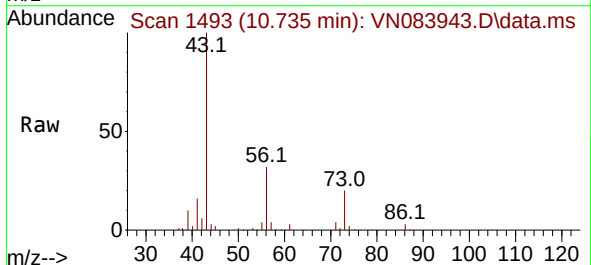
Acq: 17 Sep 2024 14:17

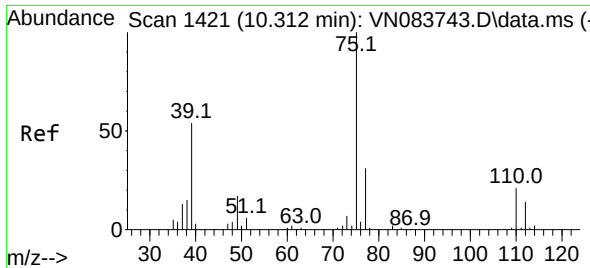
Tgt Ion: 75 Resp: 618

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

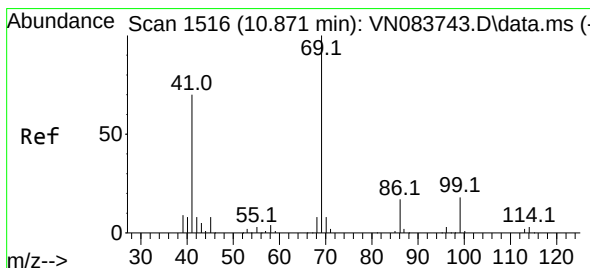
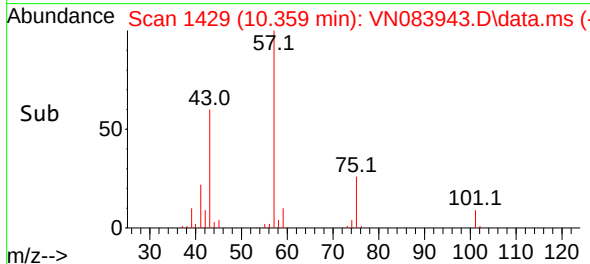
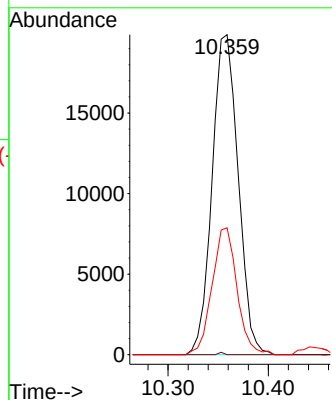
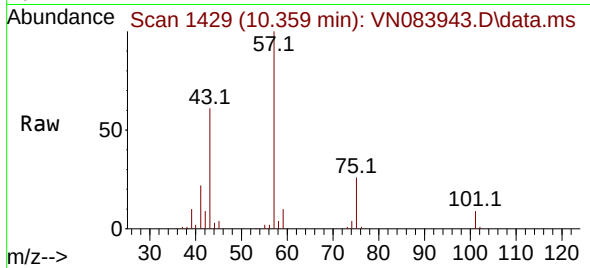




#54
 cis-1,3-Dichloropropene
 Concen: 11.546 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

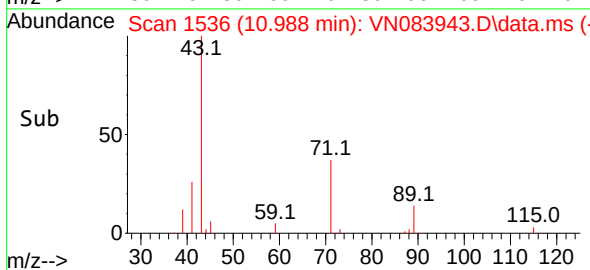
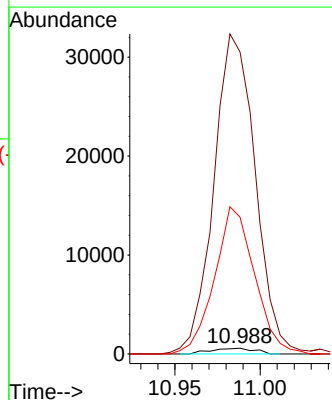
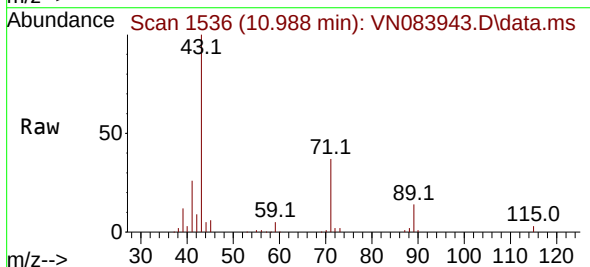
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

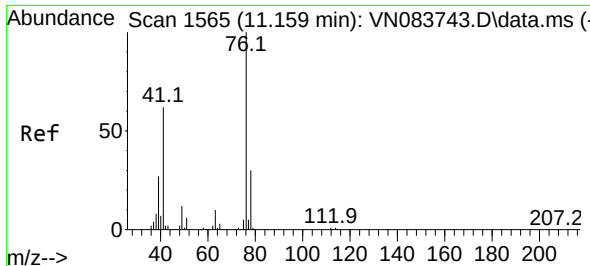
Tgt Ion: 75 Resp: 35841
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 39.7 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.369 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

Tgt Ion: 69 Resp: 1033
 Ion Ratio Lower Upper
 69 100
 41 5326.6 53.9 80.9#
 39 2351.0 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.460 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

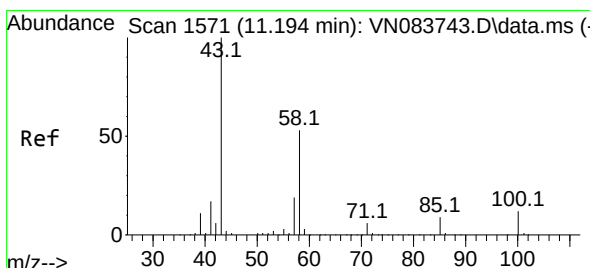
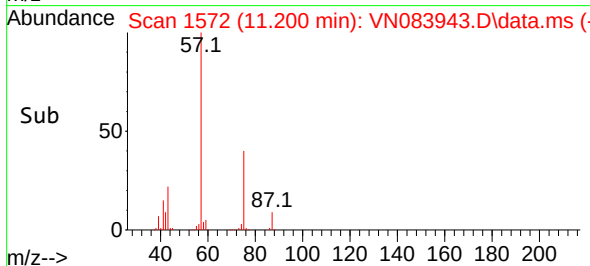
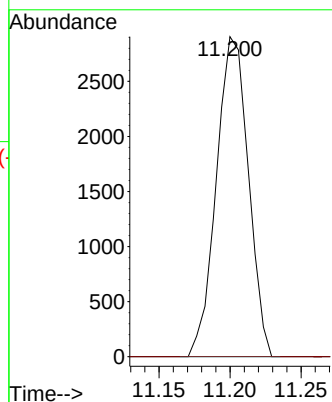
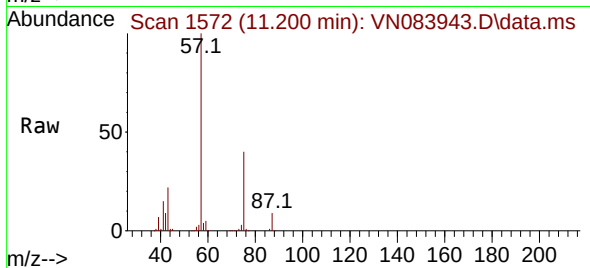
TP-2

Tgt Ion: 76 Resp: 4561

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 33.791 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083943.D

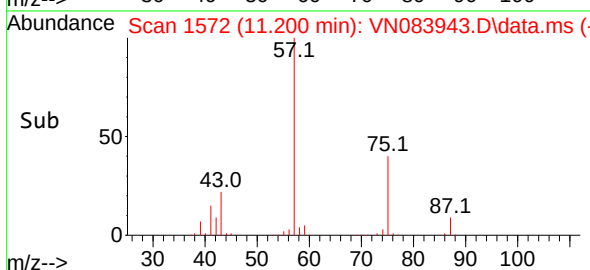
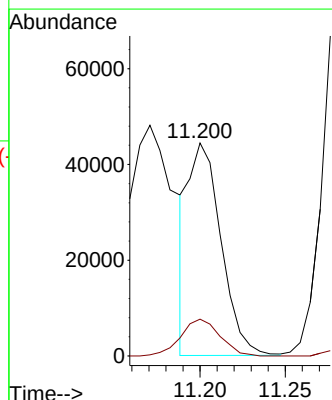
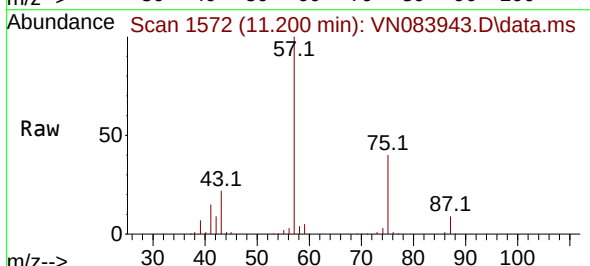
Acq: 17 Sep 2024 14:17

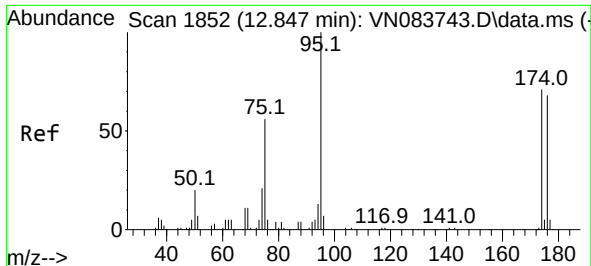
Tgt Ion: 43 Resp: 59172

Ion Ratio Lower Upper

43 100

58 20.8 27.2 81.5#

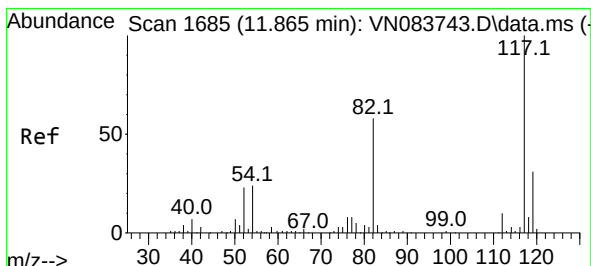
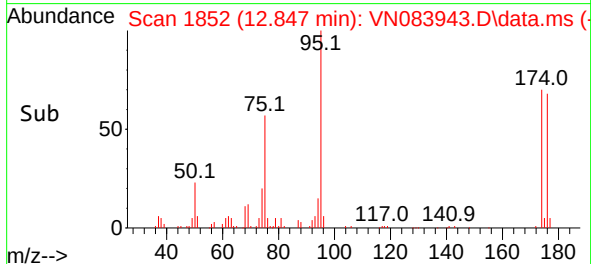
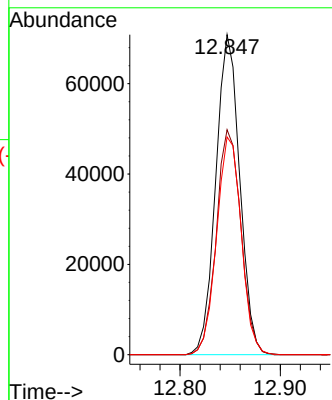
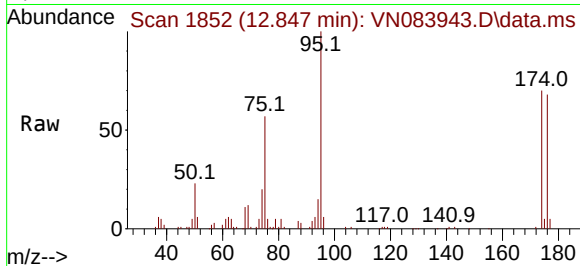




#62
4-Bromofluorobenzene
Concen: 46.935 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

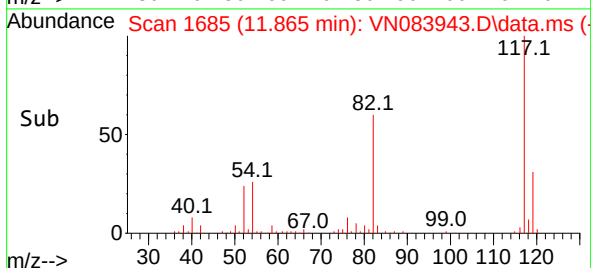
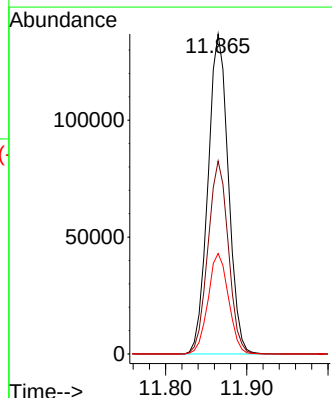
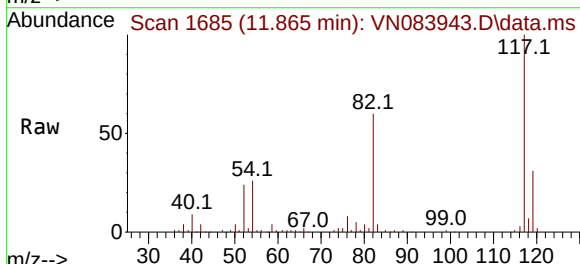
Instrument :
MSVOA_N
ClientSampleId :
TP-2

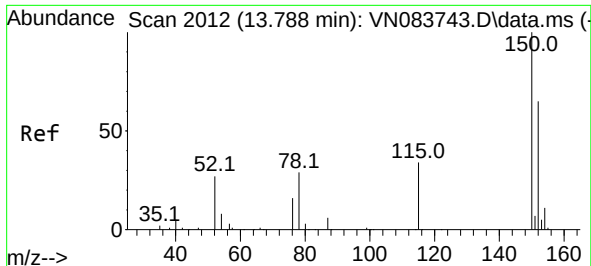
Tgt Ion: 95 Resp: 117589
Ion Ratio Lower Upper
95 100
174 72.4 0.0 139.8
176 70.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083943.D
Acq: 17 Sep 2024 14:17

Tgt Ion: 117 Resp: 238290
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.0
119 31.4 26.3 39.5

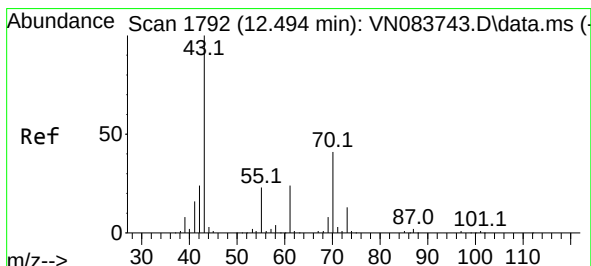
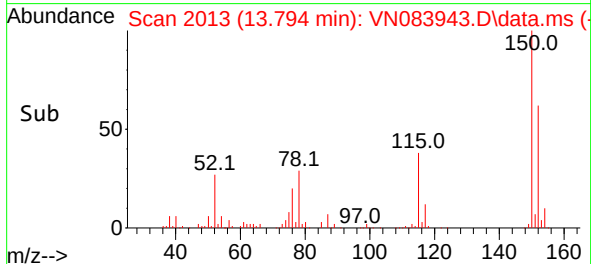
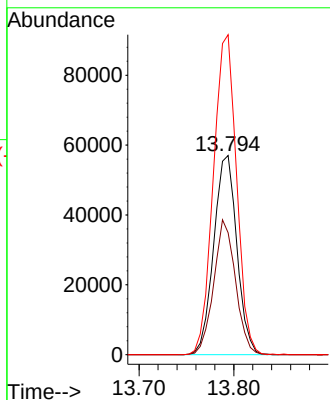
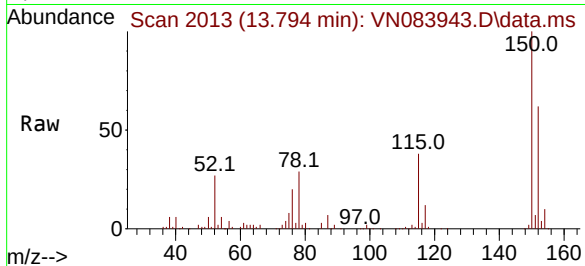




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

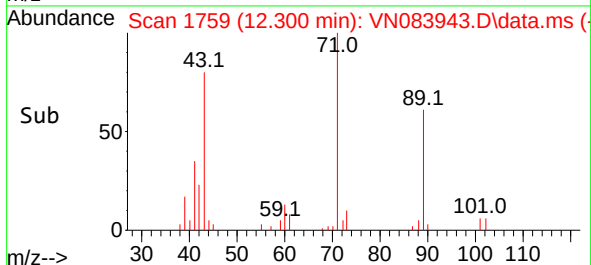
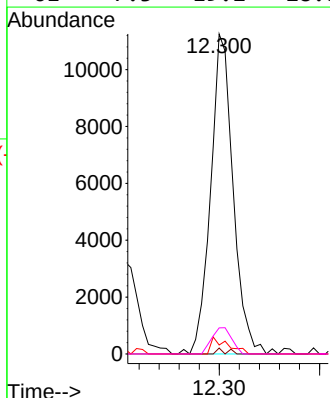
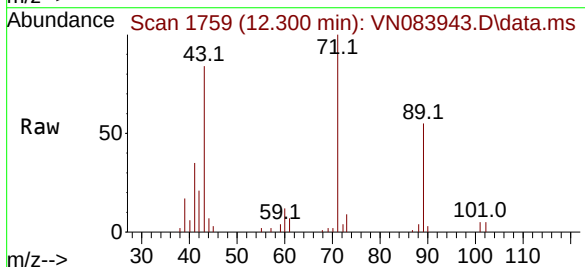
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

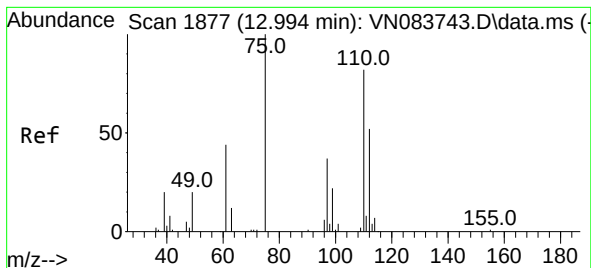
Tgt Ion:152 Resp: 96984
 Ion Ratio Lower Upper
 152 100
 115 63.7 32.2 96.6
 150 160.7 0.0 348.6



#74
 N-ethyl acetate
 Concen: 5.483 ug/l
 RT: 12.300 min Scan# 1759
 Delta R.T. -0.194 min
 Lab File: VN083943.D
 Acq: 17 Sep 2024 14:17

Tgt Ion: 43 Resp: 17553
 Ion Ratio Lower Upper
 43 100
 70 0.8 34.5 51.7#
 55 3.9 18.6 28.0#
 61 7.3 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 34.530 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

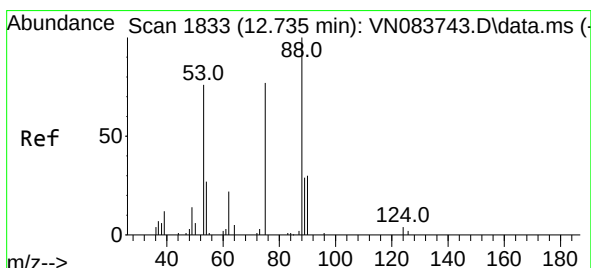
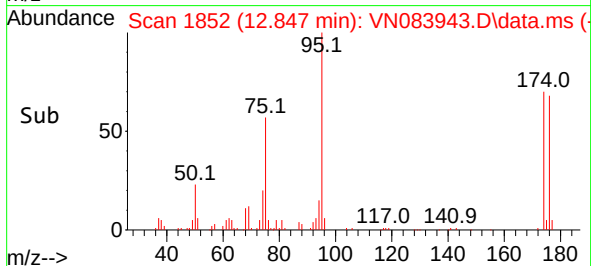
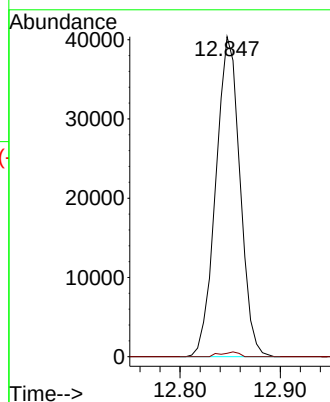
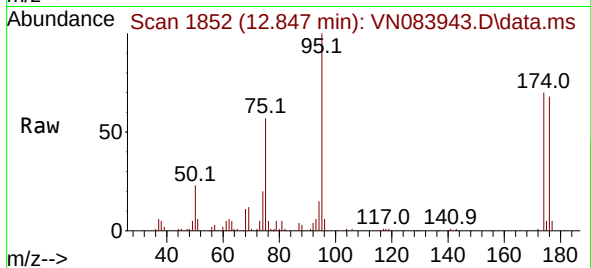
TP-2

Tgt Ion: 75 Resp: 67573

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.436 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083943.D

Acq: 17 Sep 2024 14:17

Tgt Ion: 75 Resp: 67573

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

