

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083939.D
 Acq On : 17 Sep 2024 12:42
 Operator : JC\MD
 Sample : P3976-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW-2

Quant Time: Sep 18 01:46:24 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)

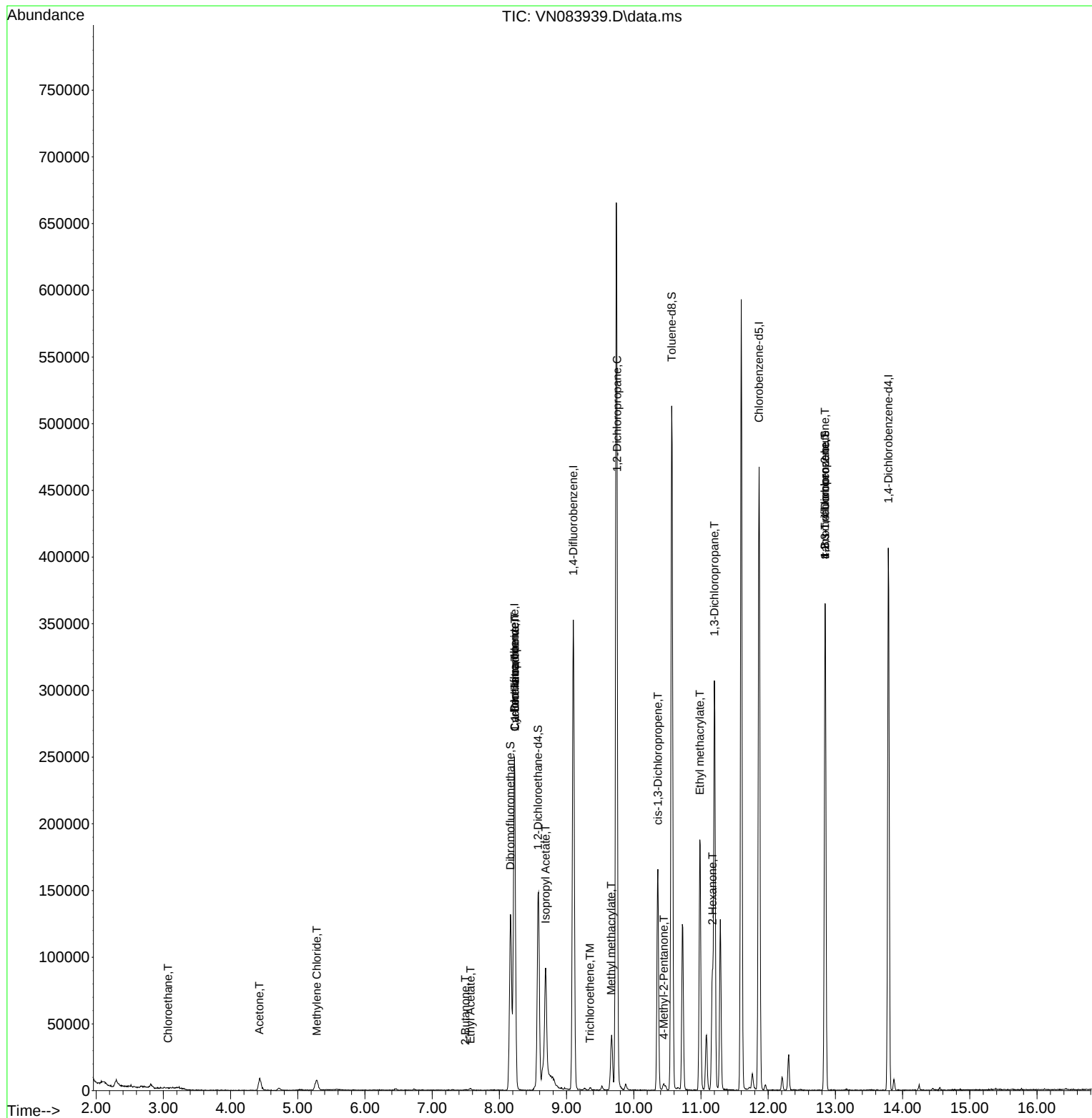
Internal Standards						
1) Pentafluorobenzene	8.224	168	164992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127310	51.173	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.340%	
35) Dibromofluoromethane	8.165	113	91661	50.086	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.180%	
50) Toluene-d8	10.565	98	346678	54.796	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.600%	
62) 4-Bromofluorobenzene	12.847	95	122861	47.069	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	140	Below Cal	#	41
6) Chloroethane	3.071	64	529	0.359	ug/l #	45
16) Acetone	4.430	43	17412	17.459	ug/l	99
18) Methyl Acetate	5.053	43	1045	Below Cal	#	52
20) Methylene Chloride	5.283	84	6040	2.960	ug/l #	84
25) 2-Butanone	7.494	43	884	0.674	ug/l #	49
31) Cyclohexane	8.230	56	4288	1.193	ug/l #	14
36) 1,1-Dichloropropene	8.230	75	15824	5.745	ug/l #	49
37) Ethyl Acetate	7.571	43	2404	0.961	ug/l #	77
38) Carbon Tetrachloride	8.230	117	18857	6.034	ug/l #	16
43) Isopropyl Acetate	8.688	43	126704	27.964	ug/l #	82
44) Trichloroethene	9.347	130	665	0.346	ug/l	50
45) 1,2-Dichloropropane	9.753	63	646	0.322	ug/l #	42
48) Methyl methacrylate	9.665	41	2502	1.164	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	4375	1.774	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	28204	8.720	ug/l #	64
56) Ethyl methacrylate	10.982	69	798	0.274	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2954	0.908	ug/l #	42
59) 2-Hexanone	11.171	43	73200	40.122	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	73210	35.816	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73210	93.806	ug/l #	9

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

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Quant Time: Sep 18 01:46:24 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

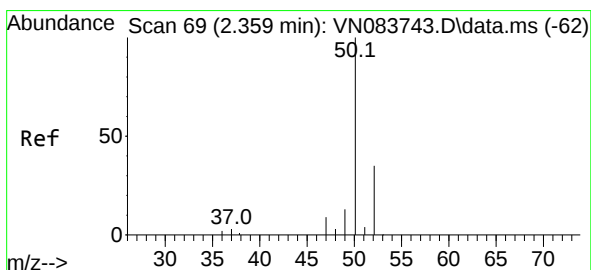
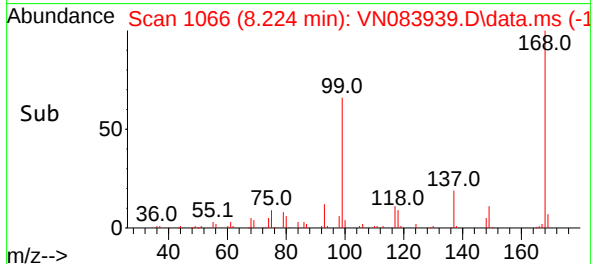
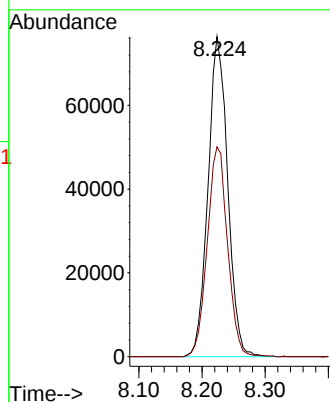
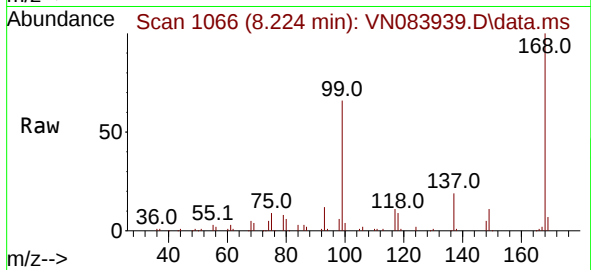




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

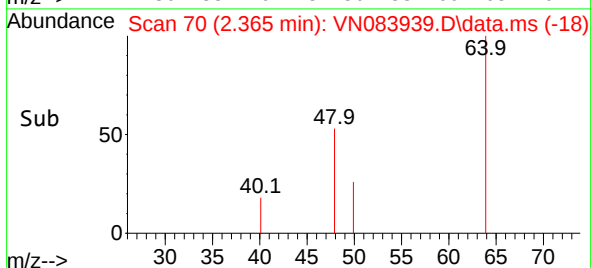
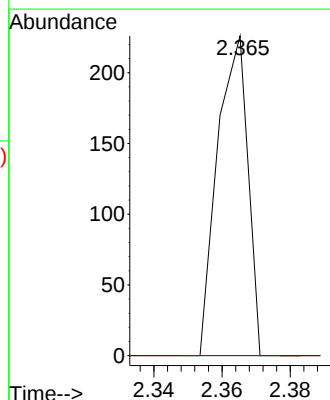
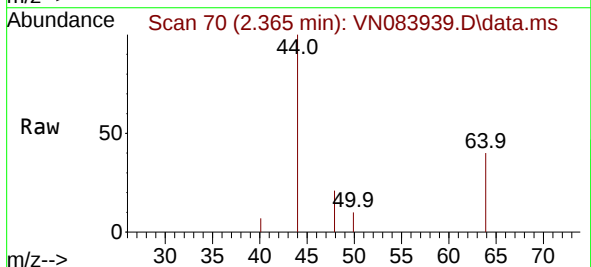
Instrument :
MSVOA_N
ClientSampleId :
RW-2

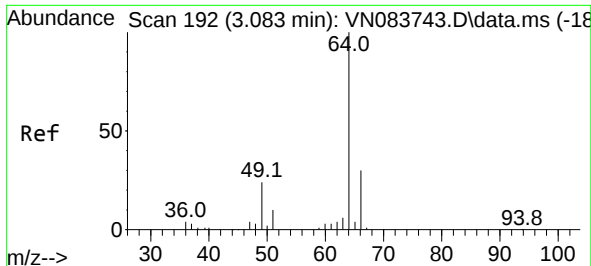
Tgt Ion:168 Resp: 164992
Ion Ratio Lower Upper
168 100
99 65.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

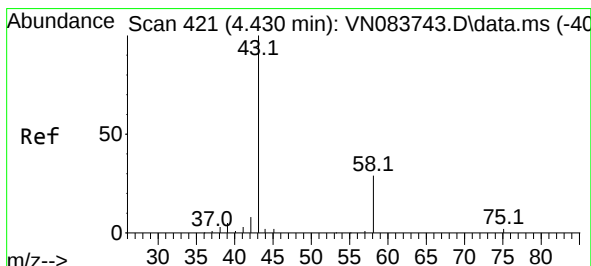
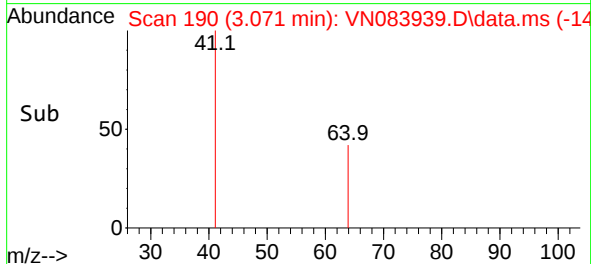
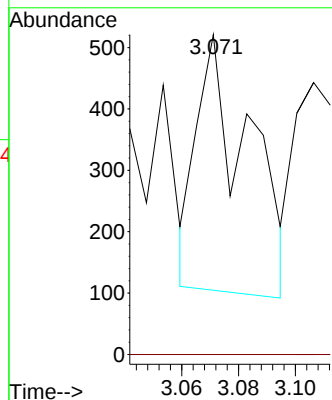
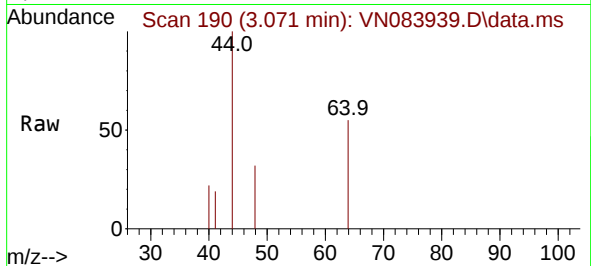




#6
Chloroethane
Concen: 0.359 ug/l
RT: 3.071 min Scan# 19
Delta R.T. -0.012 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

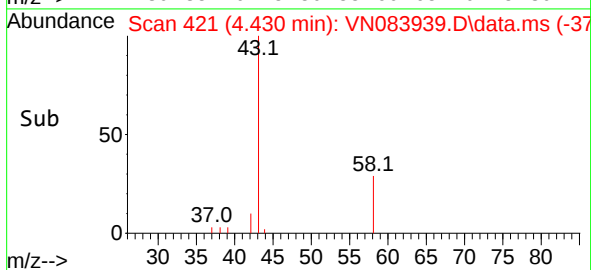
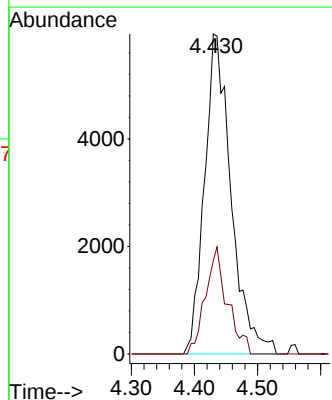
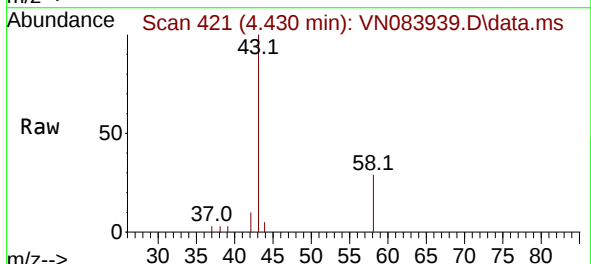
Instrument :
MSVOA_N
ClientSampleId :
RW-2

Tgt Ion: 64 Resp: 529
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#16
Acetone
Concen: 17.459 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 43 Resp: 17412
Ion Ratio Lower Upper
43 100
58 29.1 23.7 35.5

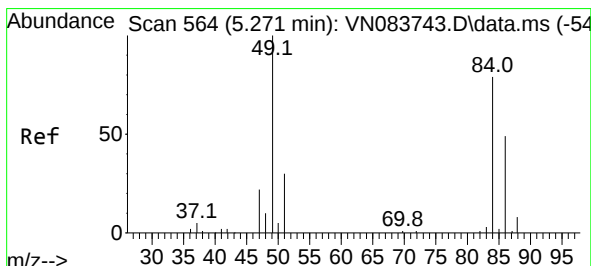
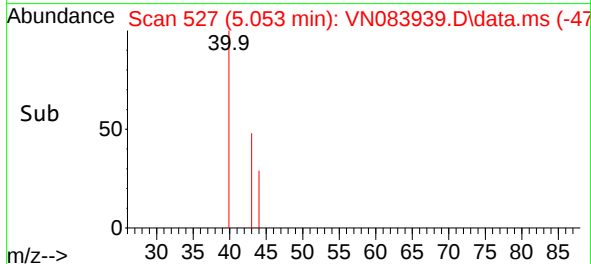
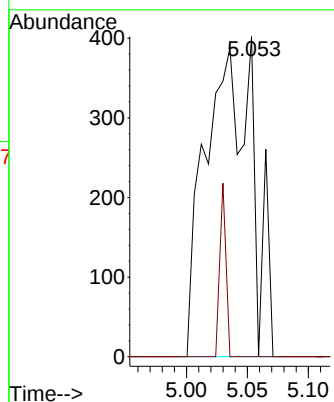
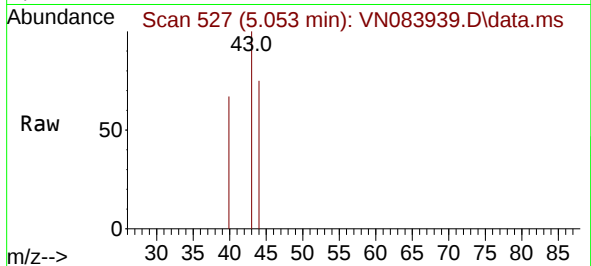




#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

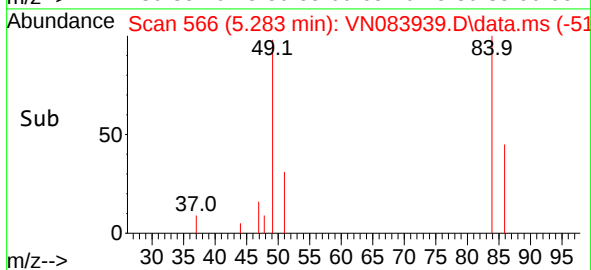
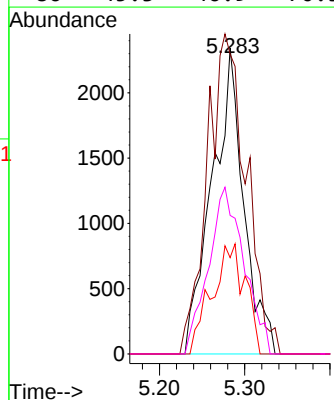
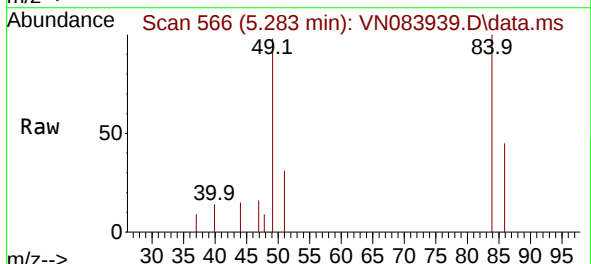
Instrument :
MSVOA_N
ClientSampleId :
RW-2

Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#20
Methylene Chloride
Concen: 2.960 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 84 Resp: 6040
Ion Ratio Lower Upper
84 100
49 98.0 93.4 140.0
51 31.5 29.2 43.8
86 45.3 46.9 70.3#

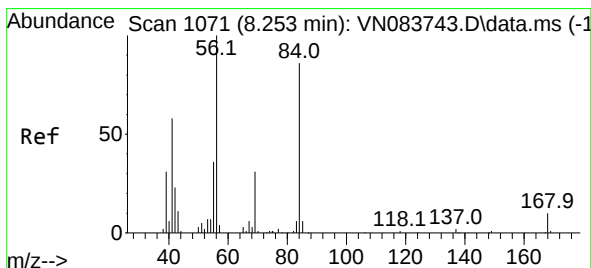
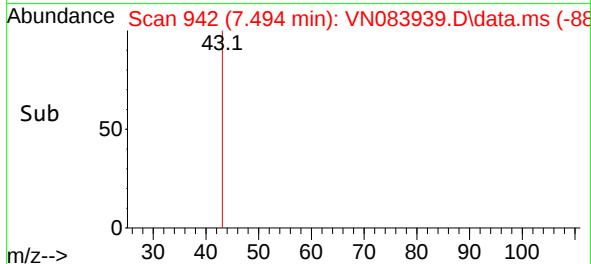
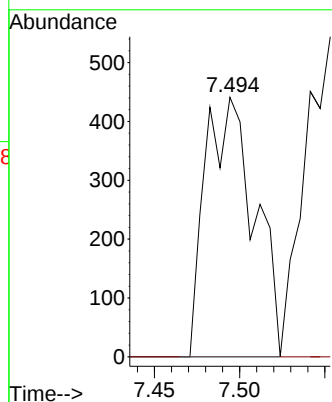
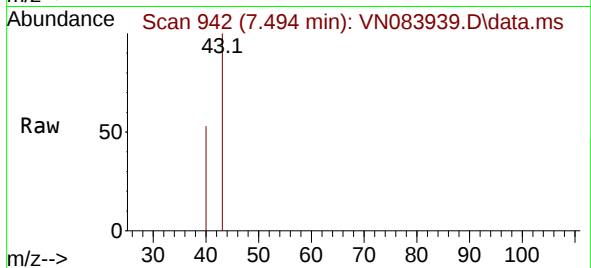




#25
2-Butanone
Concen: 0.674 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

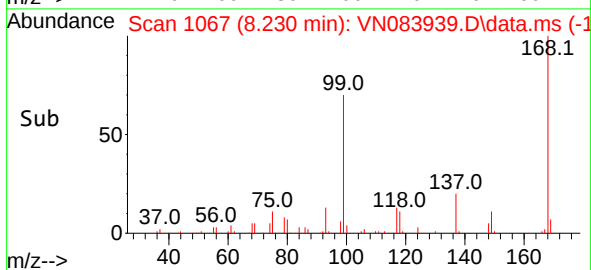
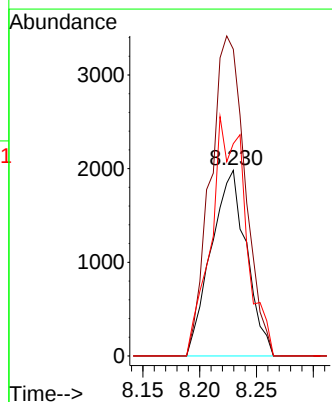
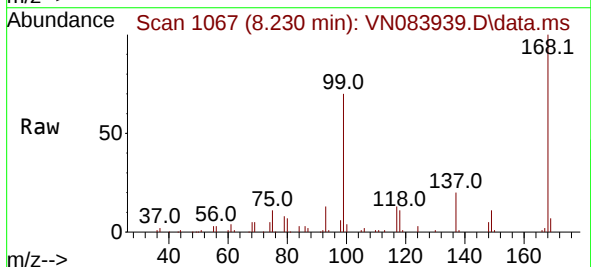
Instrument :
MSVOA_N
ClientSampleId :
RW-2

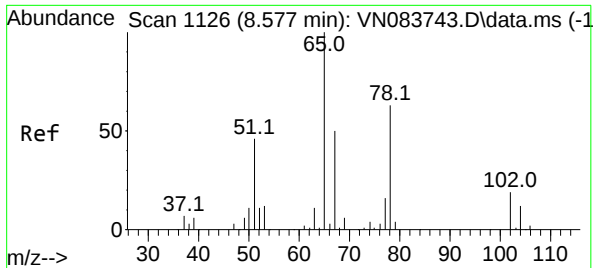
Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 165.2 26.9 40.3#
84 114.4 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.173 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :

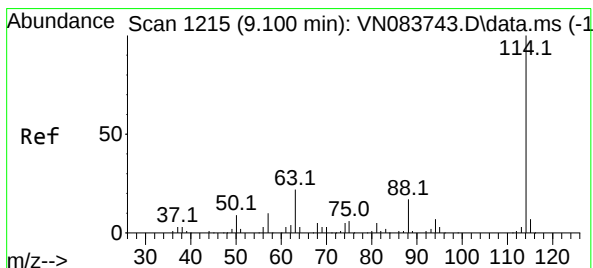
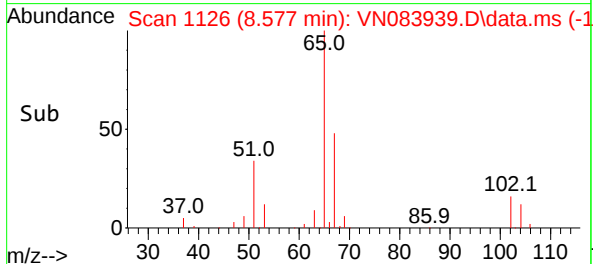
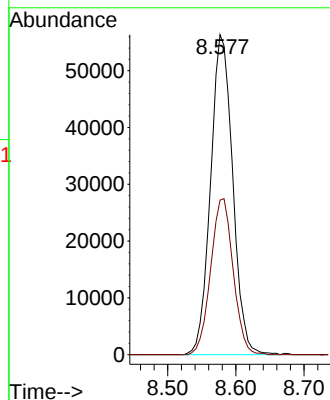
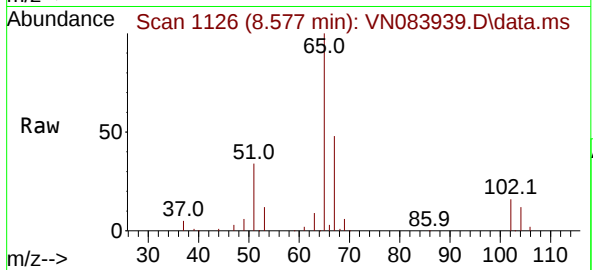
RW-2

Tgt Ion: 65 Resp: 127310

Ion Ratio Lower Upper

65 100

67 49.5 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: VN083939.D

Acq: 17 Sep 2024 12:42

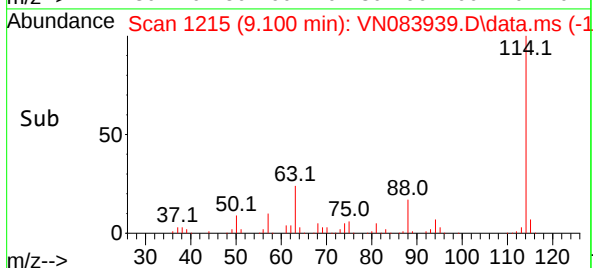
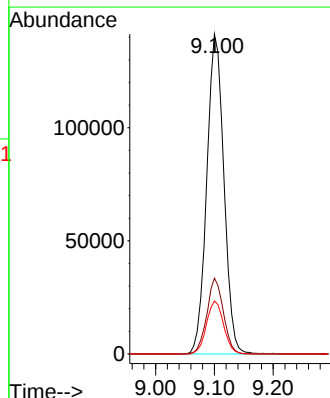
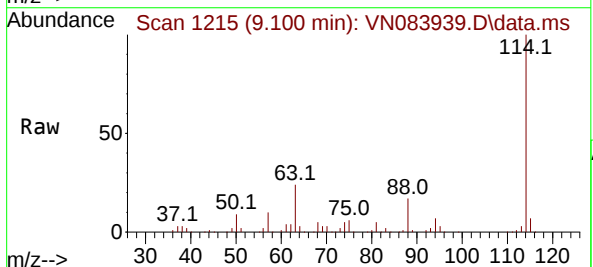
Tgt Ion: 114 Resp: 285867

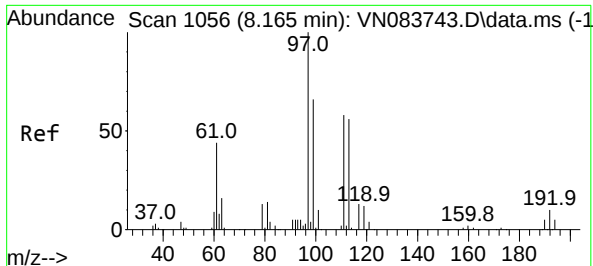
Ion Ratio Lower Upper

114 100

63 23.7 0.0 43.4

88 16.5 0.0 32.6

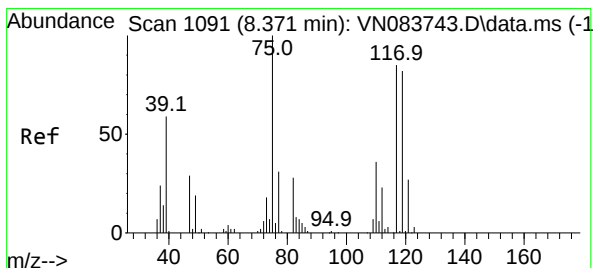
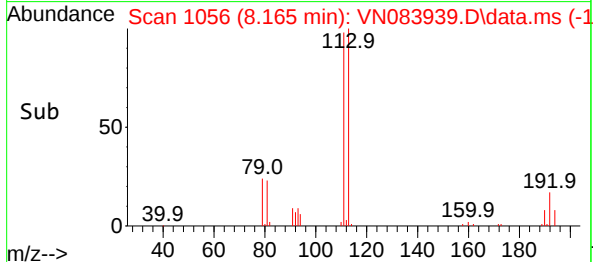
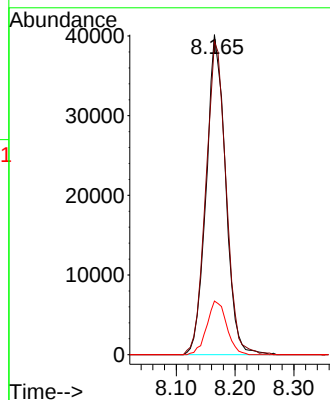
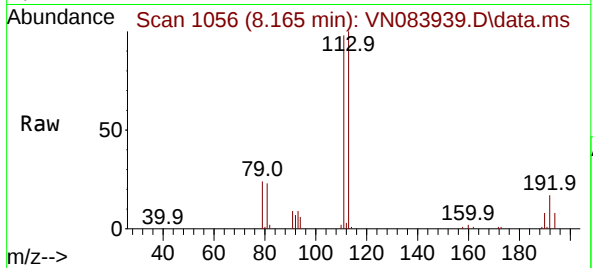




#35
Dibromofluoromethane
Concen: 50.086 ug/l
RT: 8.165 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

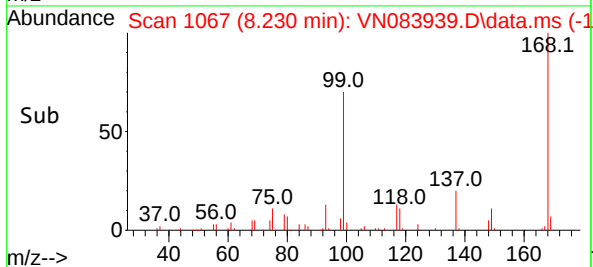
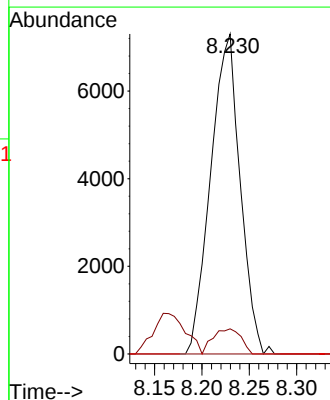
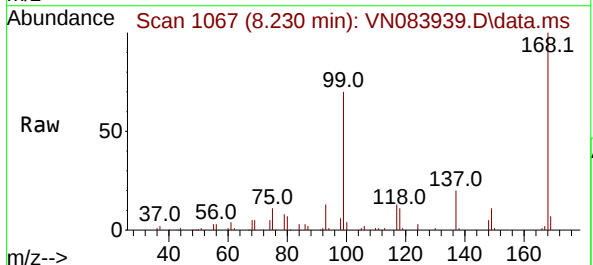
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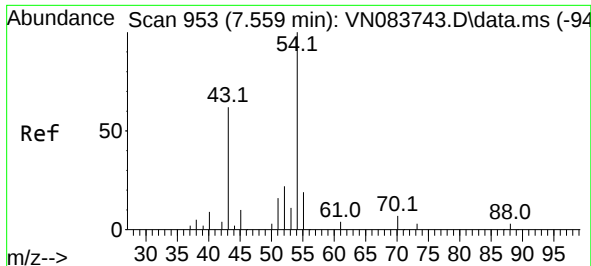
Tgt Ion:113 Resp: 91661
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.745 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 75 Resp: 15824
Ion Ratio Lower Upper
75 100
110 7.5 16.7 50.1#
77 0.0 25.2 37.8#

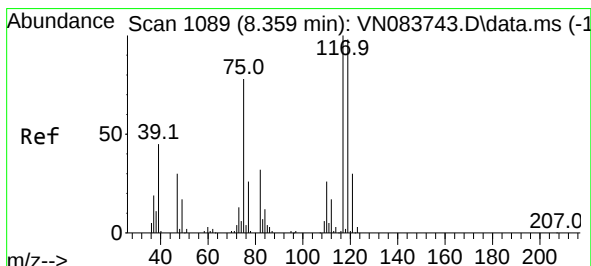
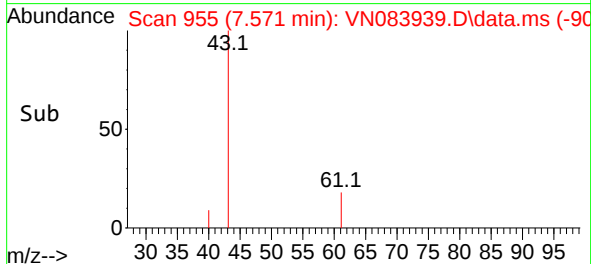
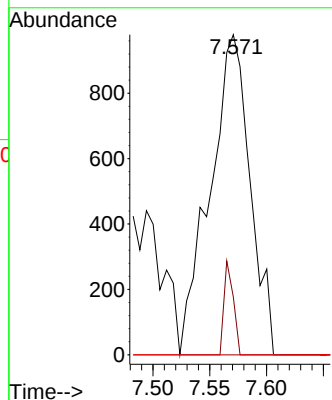
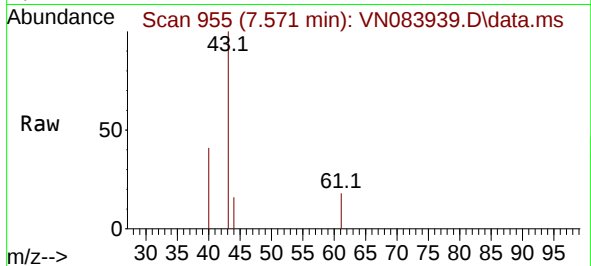




#37
Ethyl Acetate
Concen: 0.961 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

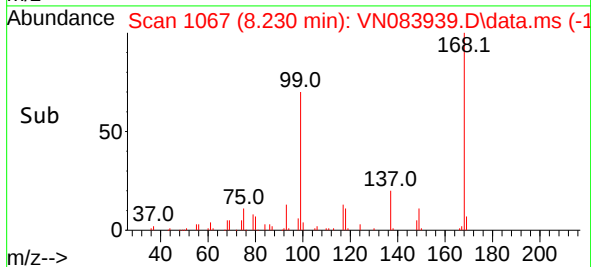
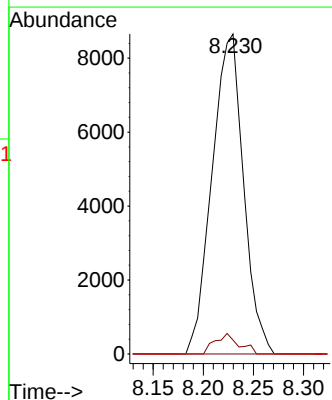
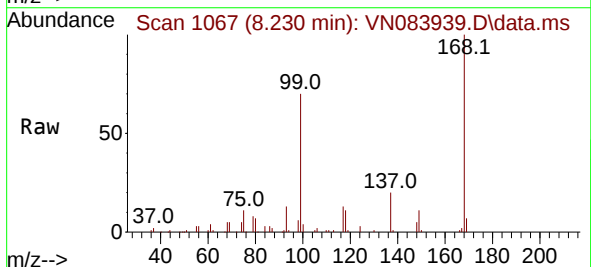
Instrument :
MSVOA_N
ClientSampleId :
RW-2

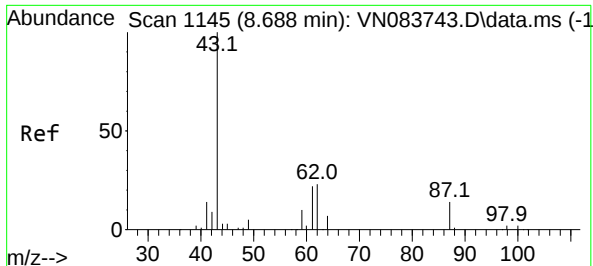
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
61 6.8 11.1 16.7#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 117 Resp: 18857
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 27.964 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :

RW-2

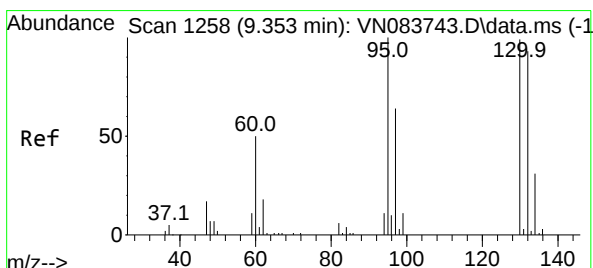
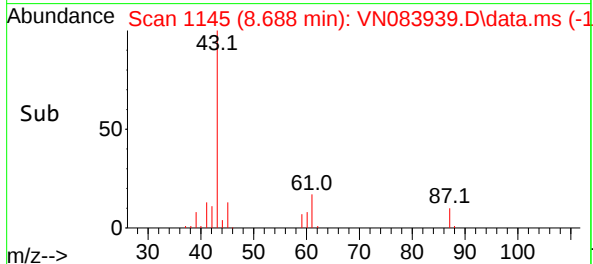
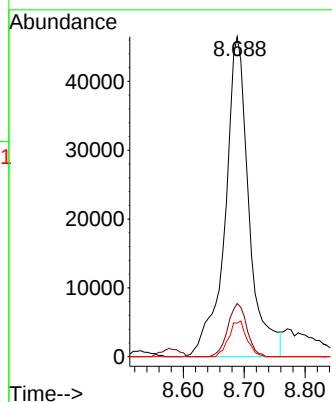
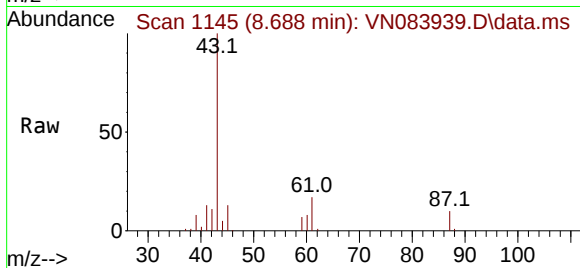
Tgt Ion: 43 Resp: 126704

Ion Ratio Lower Upper

43 100

61 13.2 19.4 29.0#

87 8.4 9.8 14.6#



#44

Trichloroethene

Concen: 0.346 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083939.D

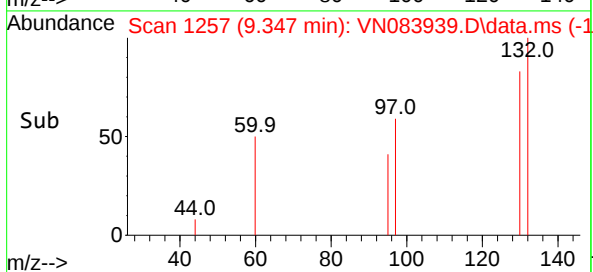
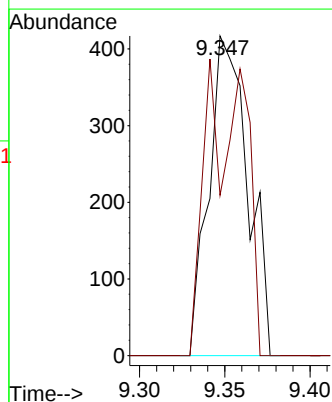
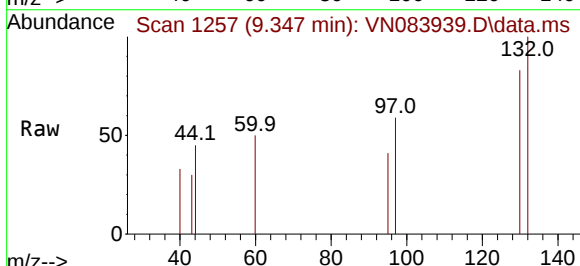
Acq: 17 Sep 2024 12:42

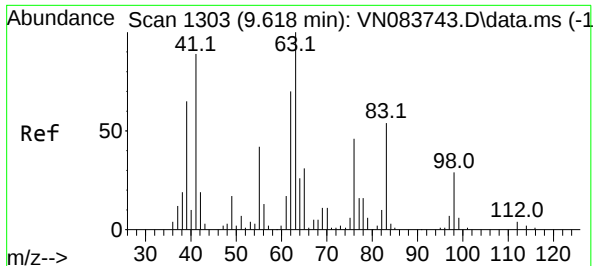
Tgt Ion:130 Resp: 665

Ion Ratio Lower Upper

130 100

95 50.1 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.322 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :

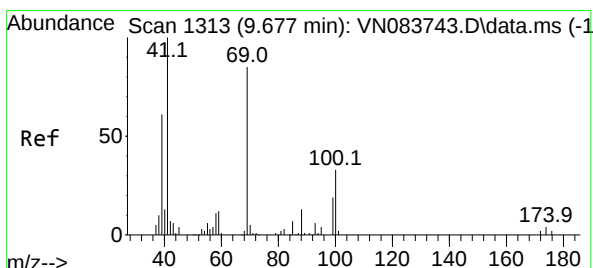
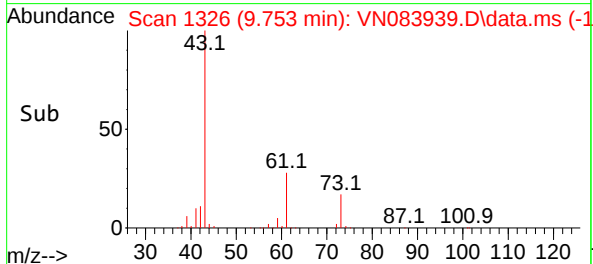
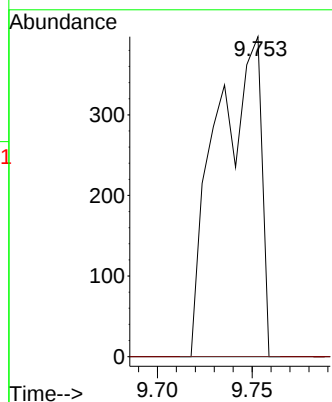
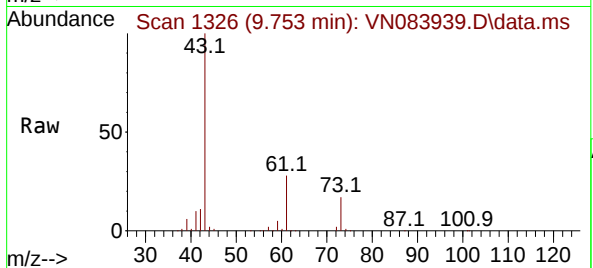
RW-2

Tgt Ion: 63 Resp: 646

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.164 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

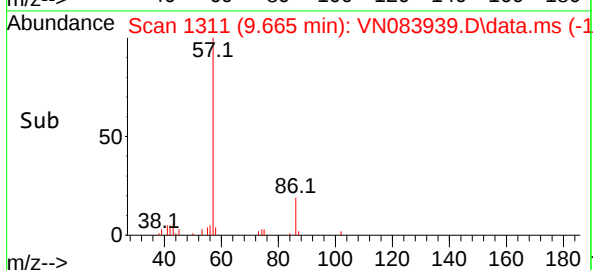
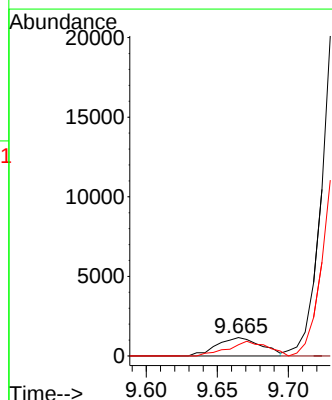
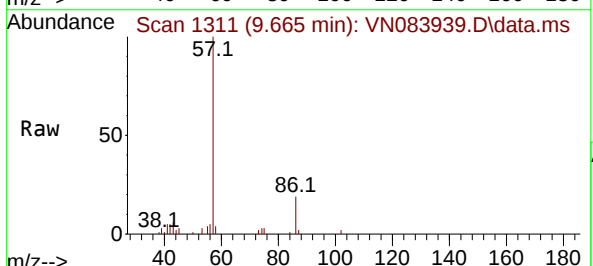
Tgt Ion: 41 Resp: 2502

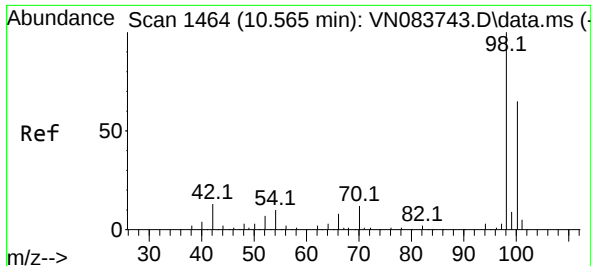
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 70.9 48.9 73.3

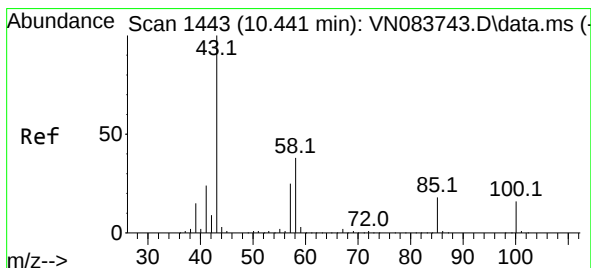
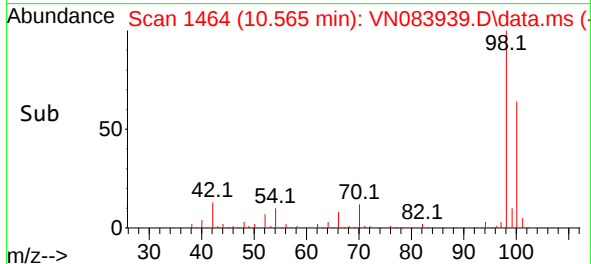
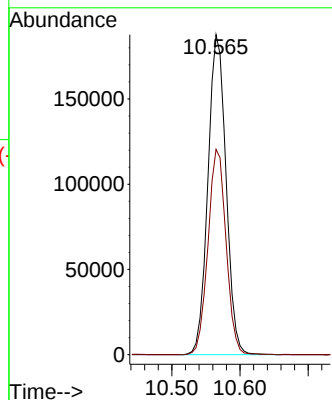
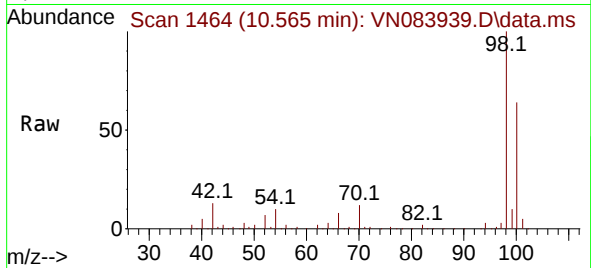




#50
Toluene-d8
Concen: 54.796 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

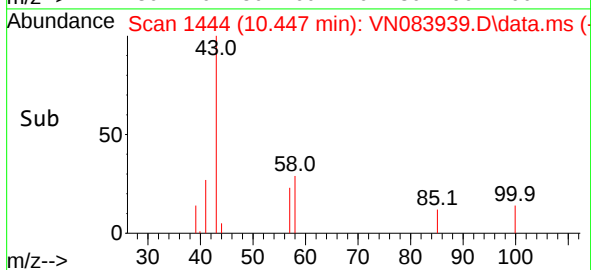
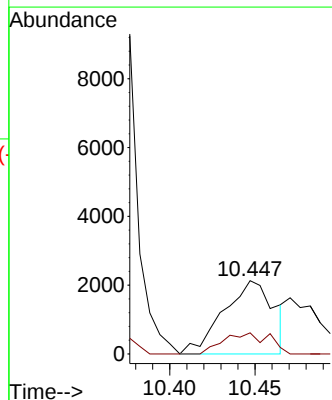
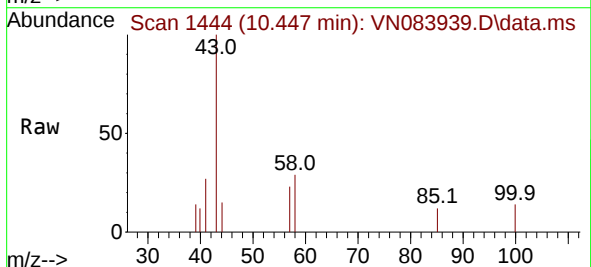
Instrument :
MSVOA_N
ClientSampleId :
RW-2

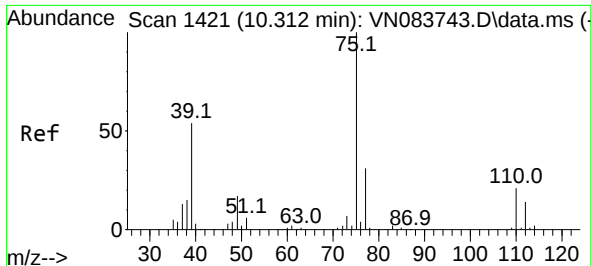
Tgt Ion: 98 Resp: 346678
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.774 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 43 Resp: 4375
Ion Ratio Lower Upper
43 100
58 26.4 31.6 47.4#

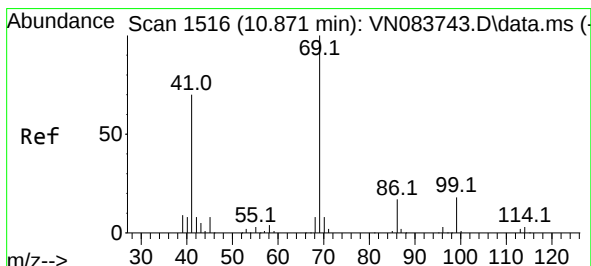
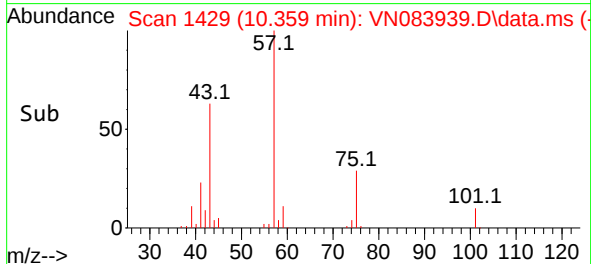
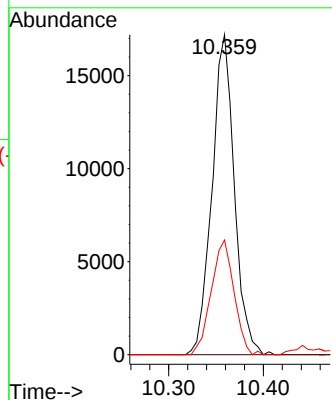
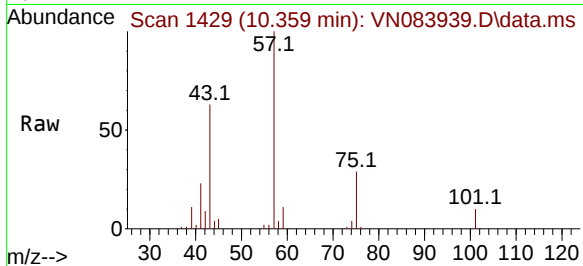




#54
 cis-1,3-Dichloropropene
 Concen: 8.720 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083939.D
 Acq: 17 Sep 2024 12:42

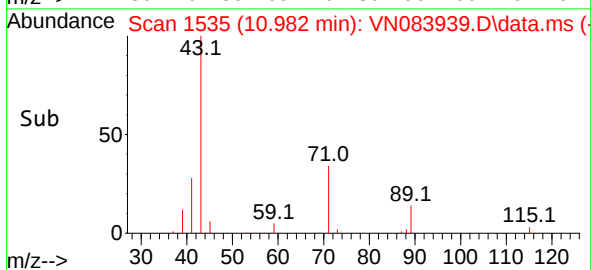
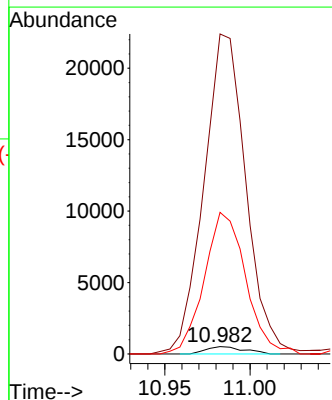
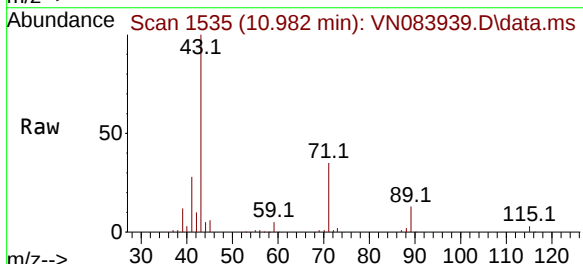
Instrument :
 MSVOA_N
 ClientSampleId :
 RW-2

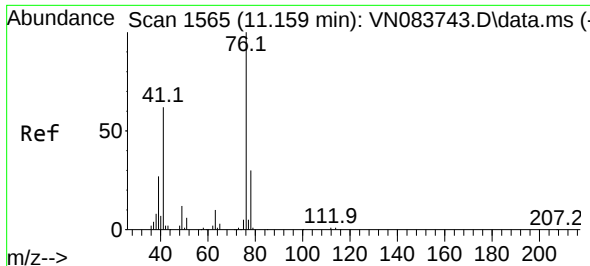
Tgt Ion: 75 Resp: 28204
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.8 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.274 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083939.D
 Acq: 17 Sep 2024 12:42

Tgt Ion: 69 Resp: 798
 Ion Ratio Lower Upper
 69 100
 41 4819.2 53.9 80.9#
 39 2100.1 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 0.908 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :

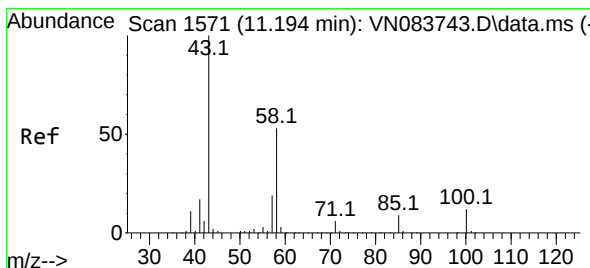
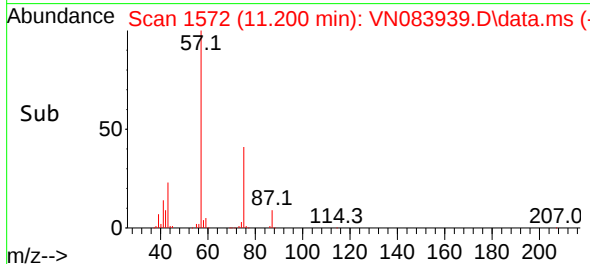
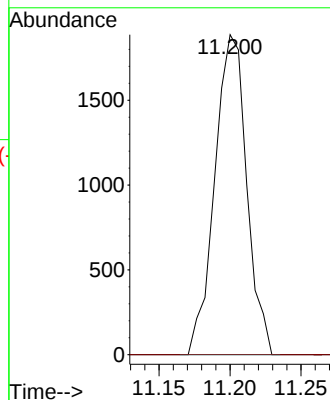
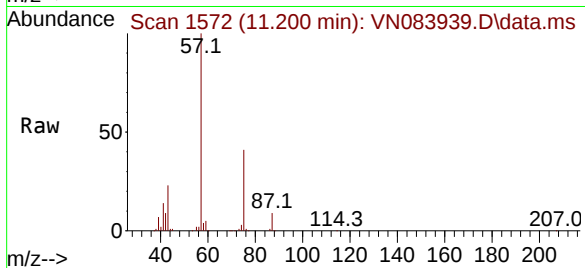
RW-2

Tgt Ion: 76 Resp: 2954

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.122 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083939.D

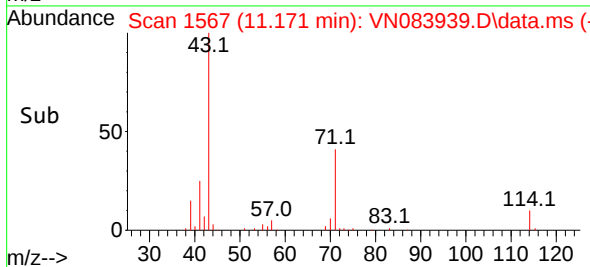
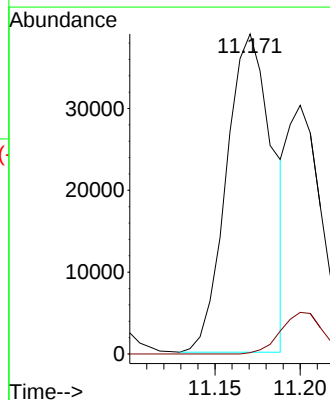
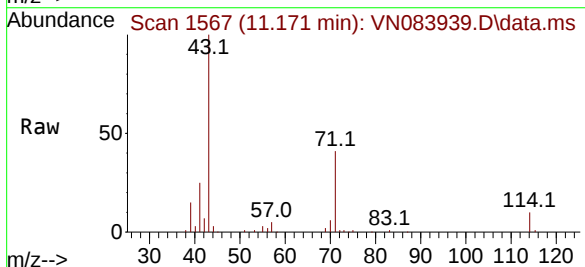
Acq: 17 Sep 2024 12:42

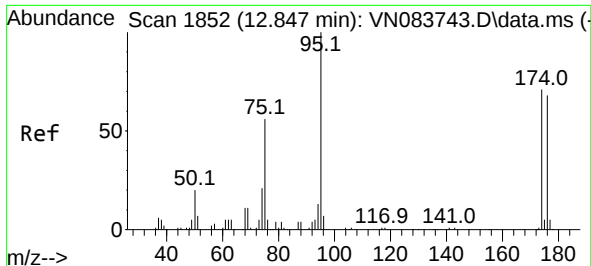
Tgt Ion: 43 Resp: 73200

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

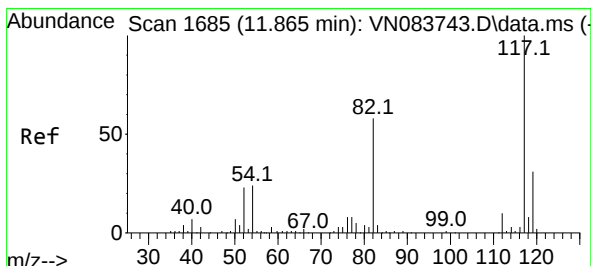
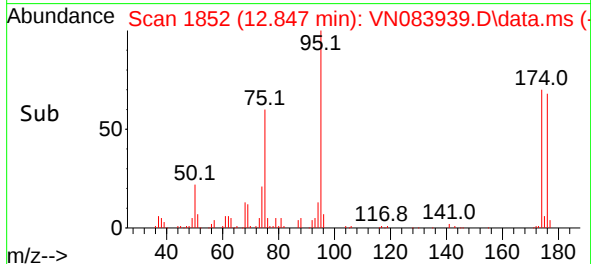
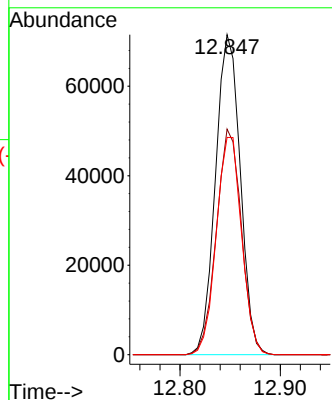
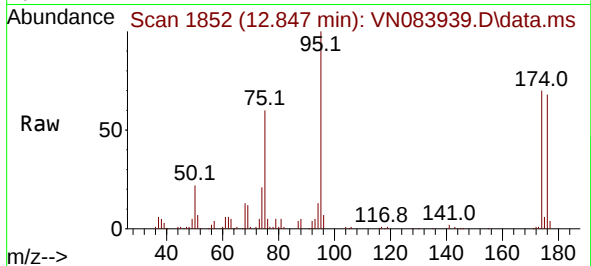




#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

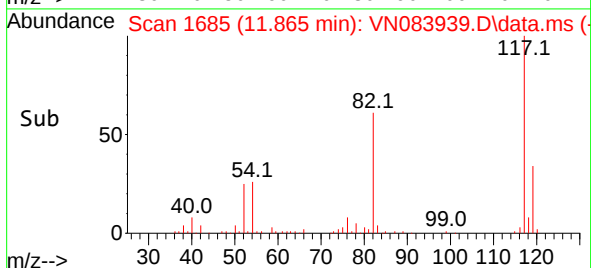
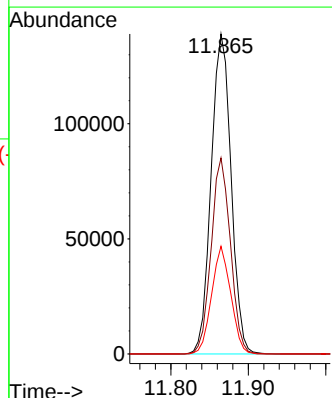
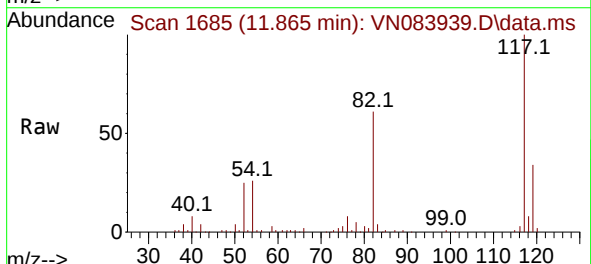
Instrument :
MSVOA_N
ClientSampleId :
RW-2

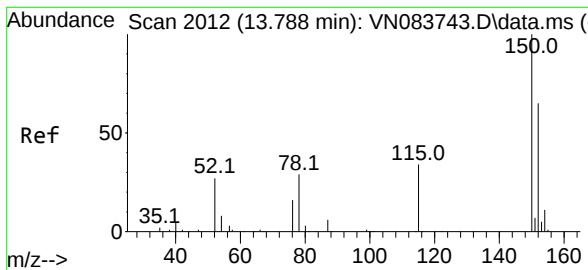
Tgt Ion: 95 Resp: 122861
Ion Ratio Lower Upper
95 100
174 71.2 0.0 139.8
176 69.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083939.D
Acq: 17 Sep 2024 12:42

Tgt Ion: 117 Resp: 248489
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.0
119 33.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083939.D

Acq: 17 Sep 2024 12:42

Instrument :

MSVOA_N

ClientSampleId :

RW-2

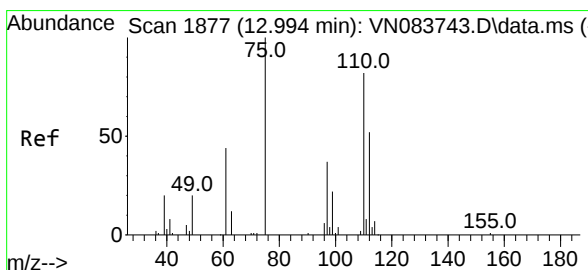
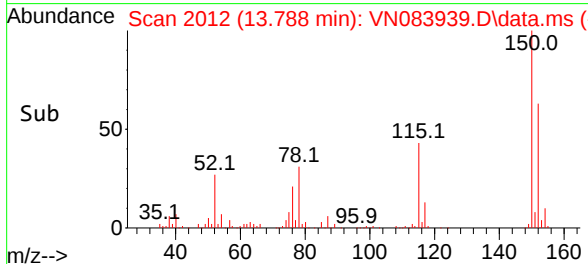
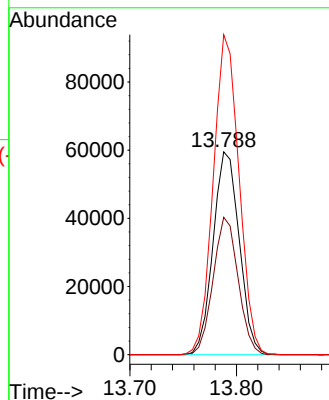
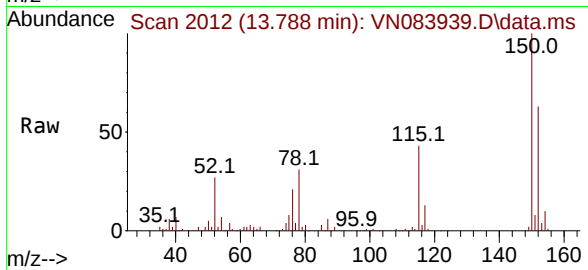
Tgt Ion:152 Resp: 101300

Ion Ratio Lower Upper

152 100

115 65.0 32.2 96.6

150 155.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 35.816 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083939.D

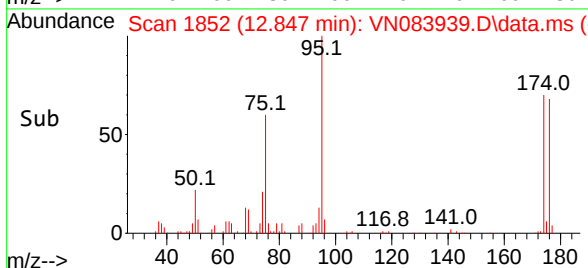
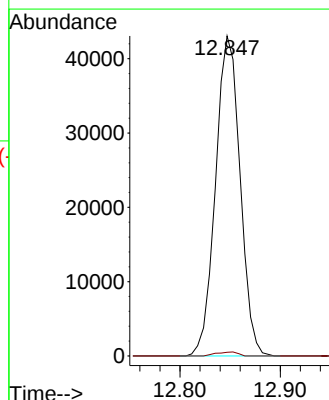
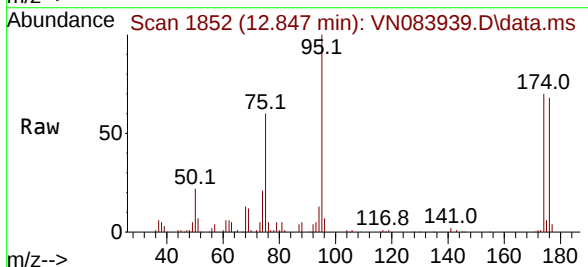
Acq: 17 Sep 2024 12:42

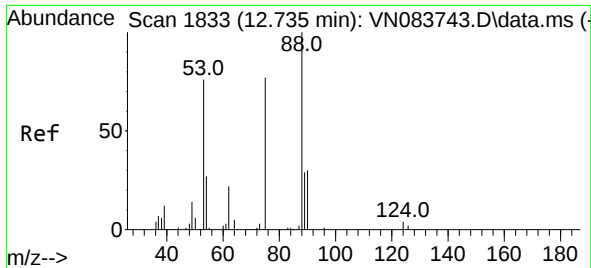
Tgt Ion: 75 Resp: 73210

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.806 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083939.D
 Acq: 17 Sep 2024 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 RW-2

Tgt Ion: 75 Resp: 73210
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

