

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083992.D
 Acq On : 18 Sep 2024 19:03
 Operator : JC\MD
 Sample : PB163447ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:39:33 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)

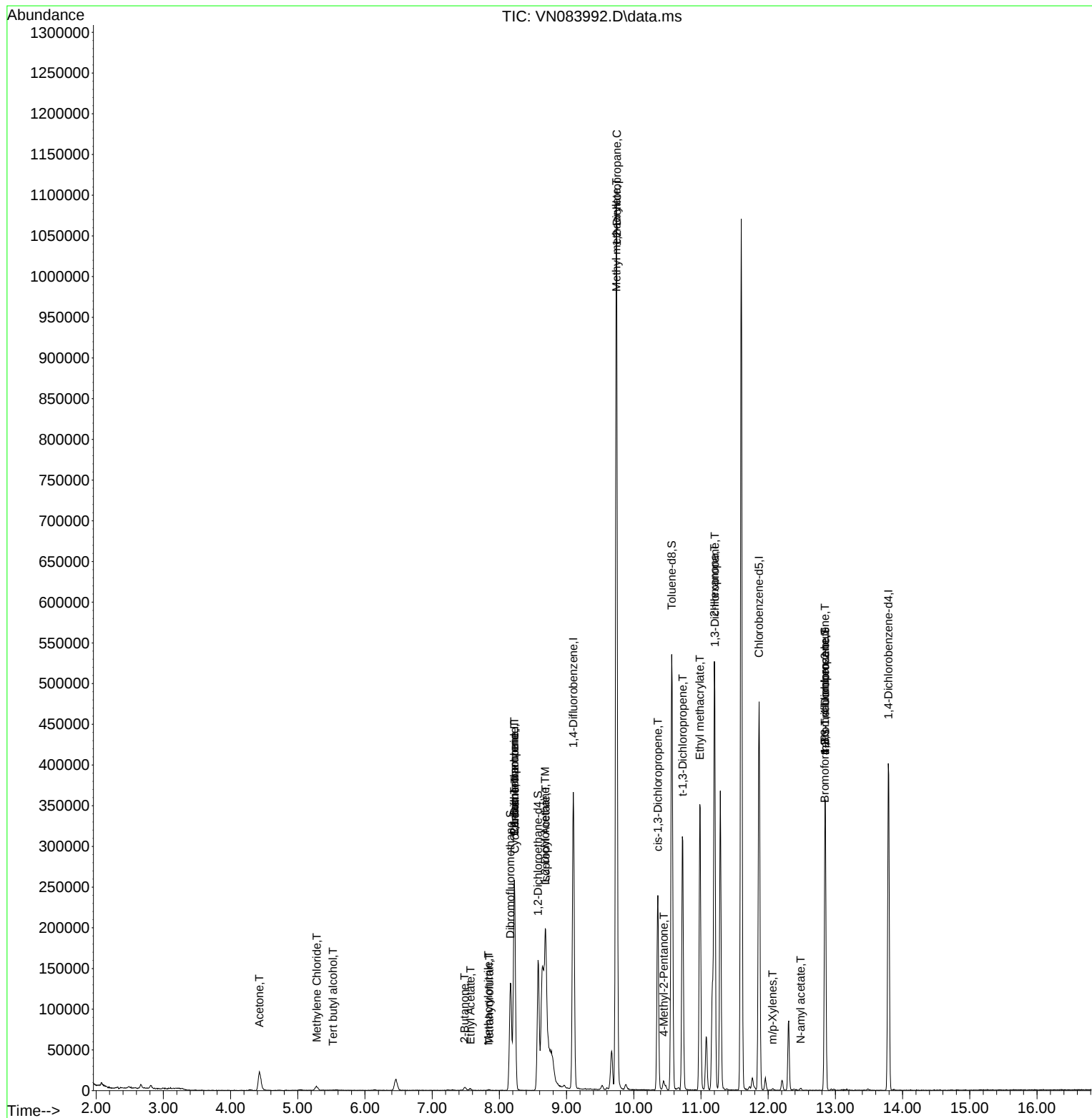
Internal Standards						
1) Pentafluorobenzene	8.224	168	172869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131307	50.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.740%			
35) Dibromofluoromethane	8.165	113	93441	49.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.920%			
50) Toluene-d8	10.565	98	355808	54.474	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.940%			
62) 4-Bromofluorobenzene	12.847	95	120770	44.816	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	119	Below Cal	#	41
11) Tert butyl alcohol	5.524	59	119	0.341	ug/l #	71
16) Acetone	4.430	43	43144	41.289	ug/l	97
18) Methyl Acetate	5.024	43	956	Below Cal	#	67
20) Methylene Chloride	5.283	84	3392	1.586	ug/l	96
25) 2-Butanone	7.483	43	6930	5.046	ug/l	93
29) Tetrahydrofuran	7.853	42	661	0.814	ug/l #	76
31) Cyclohexane	8.230	56	4769	1.266	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	15926	5.600	ug/l #	52
37) Ethyl Acetate	7.571	43	3413	1.322	ug/l #	75
38) Carbon Tetrachloride	8.224	117	20167	6.251	ug/l #	15
41) Methacrylonitrile	7.835	41	360	0.236	ug/l #	23
42) 1,2-Dichloroethane	8.682	62	1202	0.376	ug/l #	77
43) Isopropyl Acetate	8.688	43	482168	103.078	ug/l #	67
45) 1,2-Dichloropropane	9.747	63	1520	0.735	ug/l #	42
48) Methyl methacrylate	9.741	41	101867	45.901	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	11208	4.402	ug/l #	77
53) t-1,3-Dichloropropene	10.729	75	678	0.213	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	42798	12.818	ug/l #	60
56) Ethyl methacrylate	10.982	69	1014	0.337	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5140	1.530	ug/l #	42
59) 2-Hexanone	11.200	43	70988	37.688	ug/l #	52
68) m/p-Xylenes	12.065	106	768	0.209	ug/l	94
71) Bromoform	12.841	173	743	0.571	ug/l #	1
74) N-amyl acetate	12.482	43	1417	0.423	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	69720	34.025	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69720	89.115	ug/l #	9

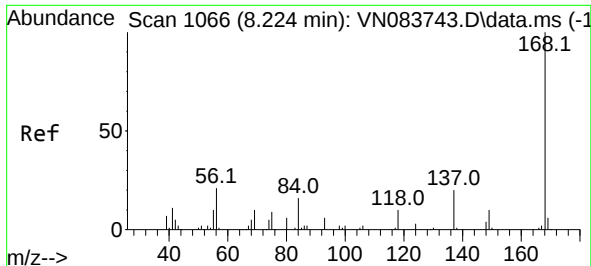
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
Data File : VN083992.D
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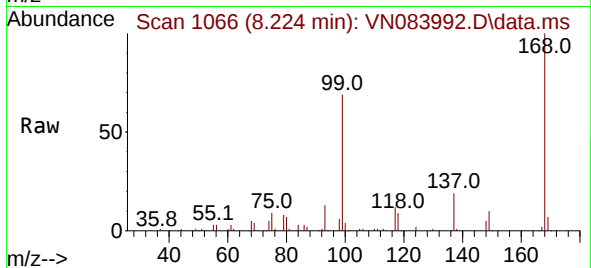
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



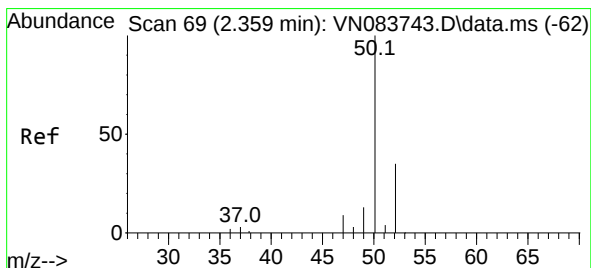
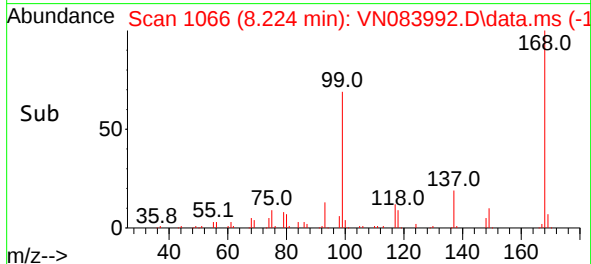
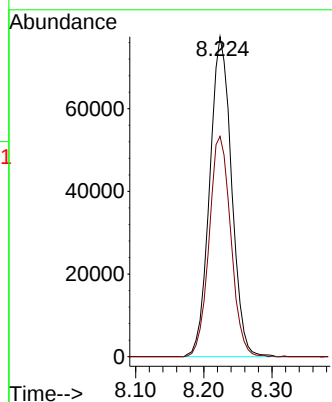


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

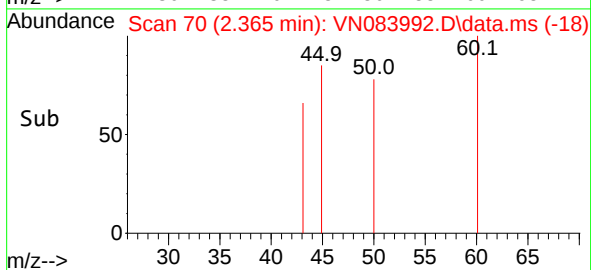
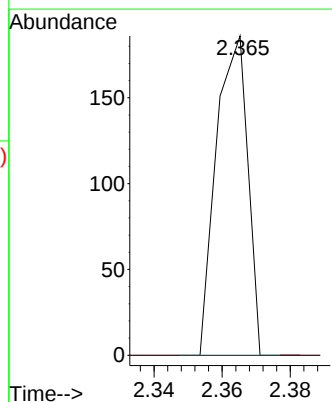
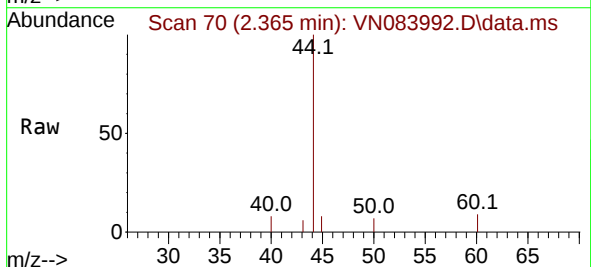


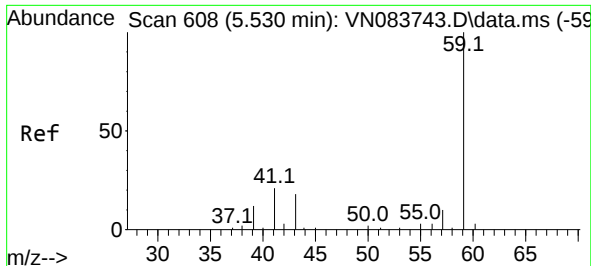
Tgt Ion:168 Resp: 172869
Ion Ratio Lower Upper
168 100
99 68.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

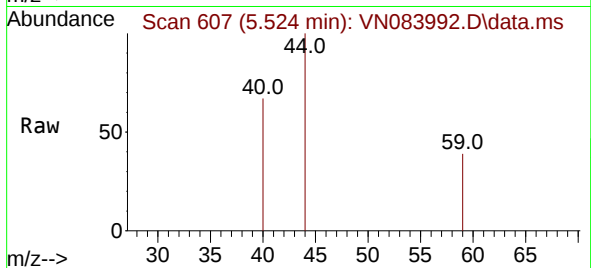
Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



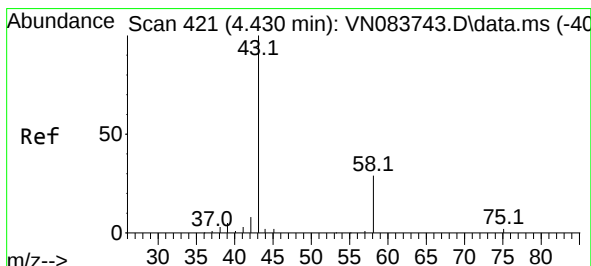
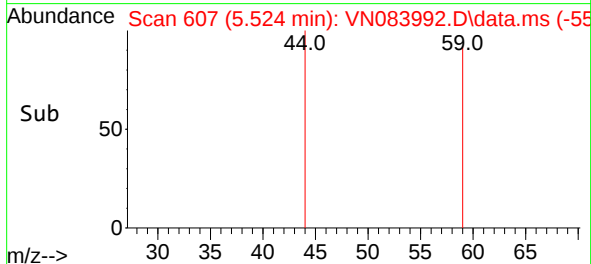
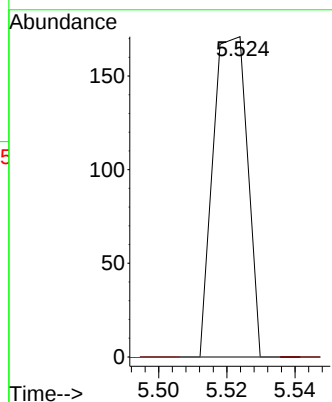


#11
Tert butyl alcohol
Concen: 0.341 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

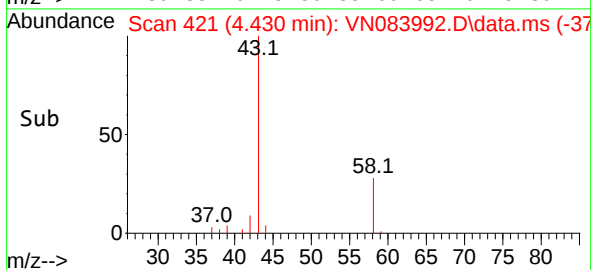
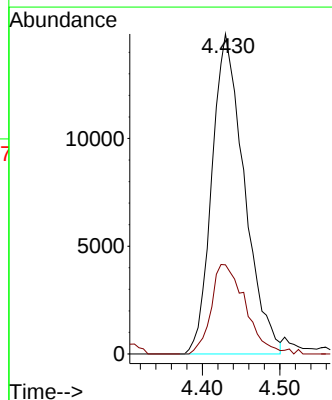
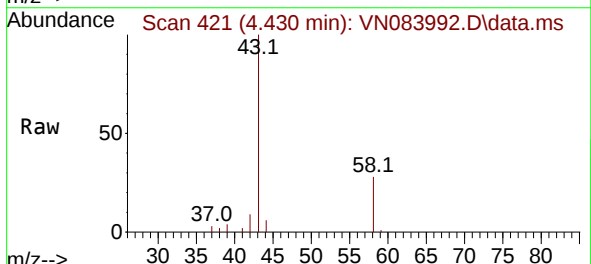


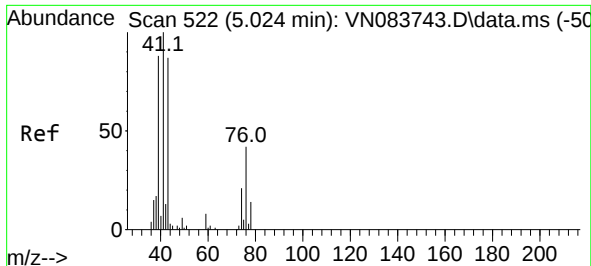
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 41.289 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

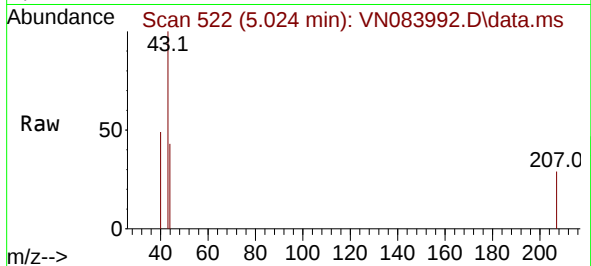
Tgt Ion: 43 Resp: 43144
Ion Ratio Lower Upper
43 100
58 27.8 23.7 35.5



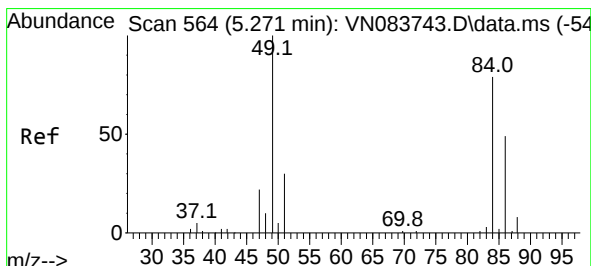
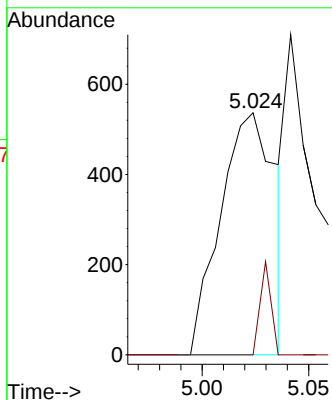
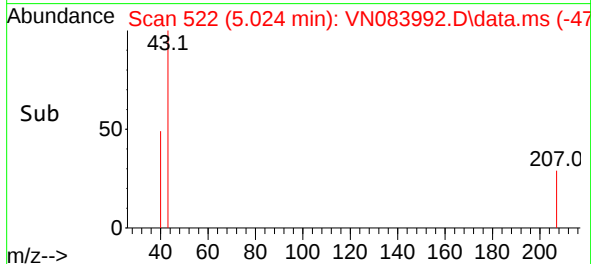


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

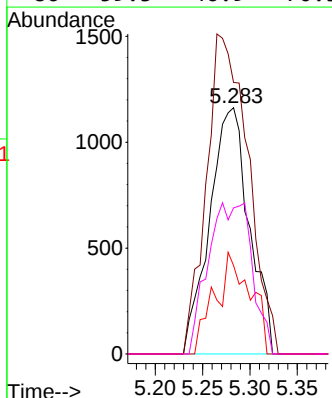
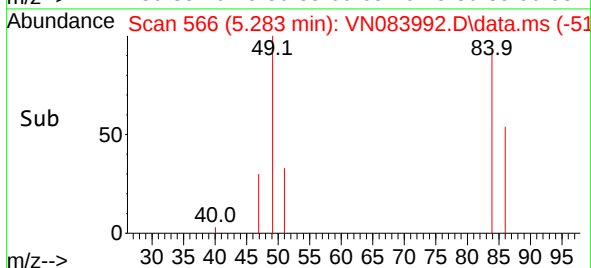
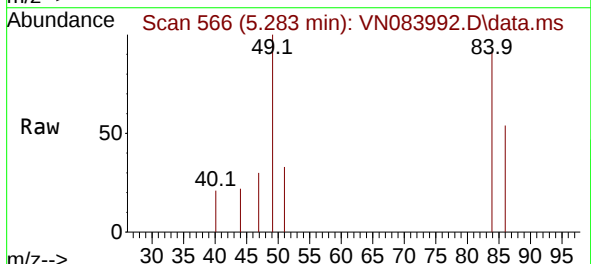


Tgt Ion: 43 Resp: 956
Ion Ratio Lower Upper
43 100
74 7.6 19.0 28.4#



#20
Methylene Chloride
Concen: 1.586 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 84 Resp: 3392
Ion Ratio Lower Upper
84 100
49 110.2 93.4 140.0
51 35.9 29.2 43.8
86 59.3 46.9 70.3

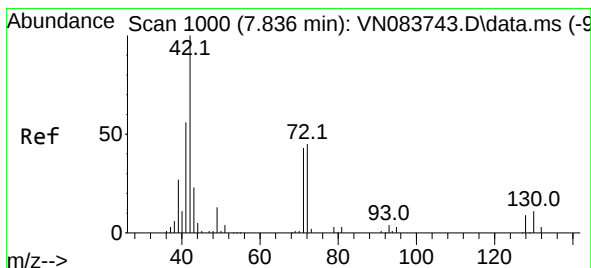
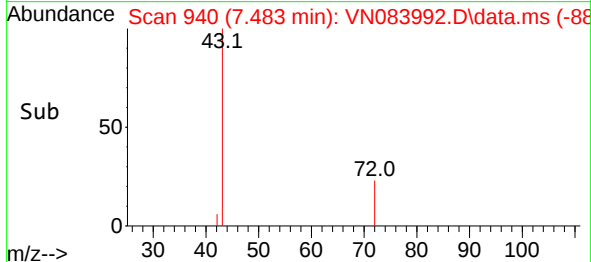
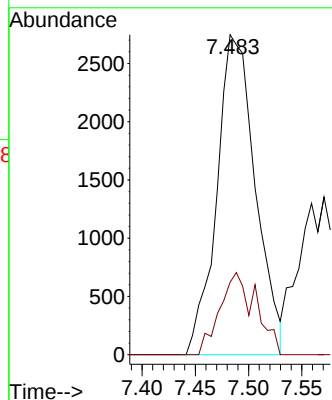
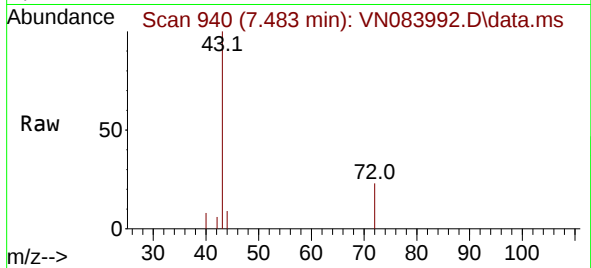




#25
2-Butanone
Concen: 5.046 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

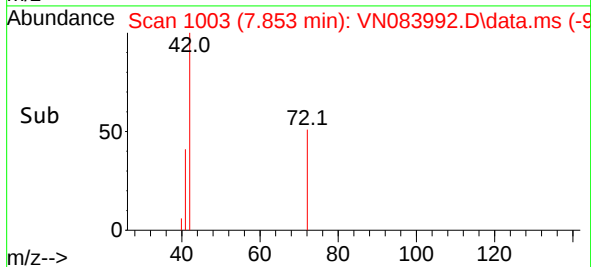
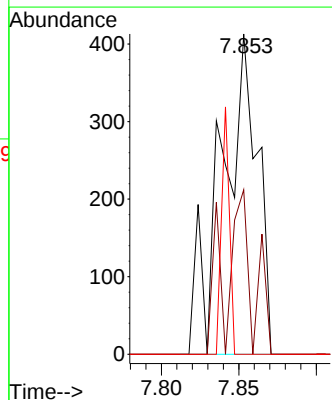
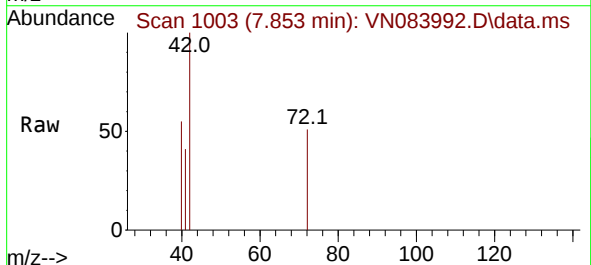
Instrument :
MSVOA_N
ClientSampleId :

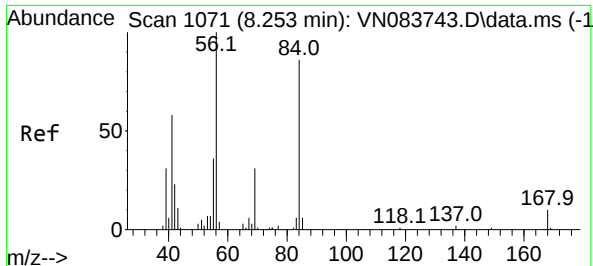
Tgt Ion: 43 Resp: 6930
Ion Ratio Lower Upper
43 100
72 22.7 20.8 31.2



#29
Tetrahydrofuran
Concen: 0.814 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

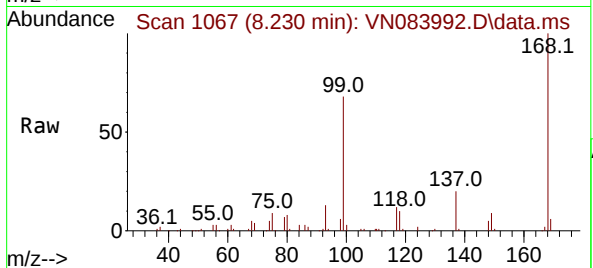
Tgt Ion: 42 Resp: 661
Ion Ratio Lower Upper
42 100
72 39.3 35.9 53.9
71 17.1 33.9 50.9#



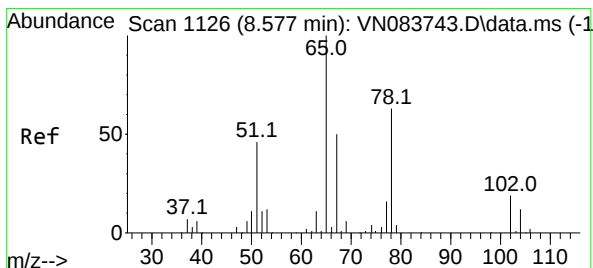
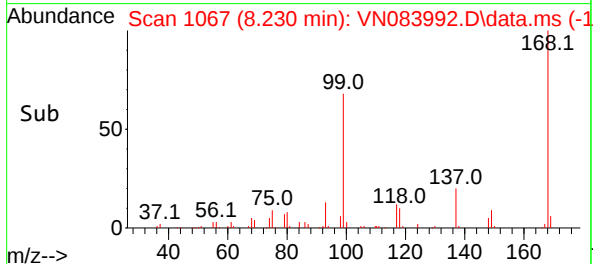
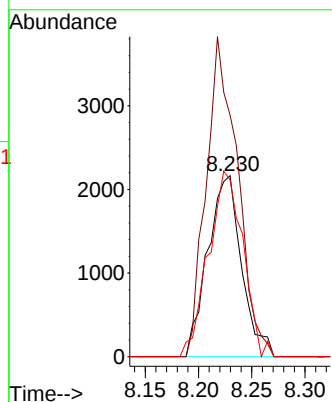


#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

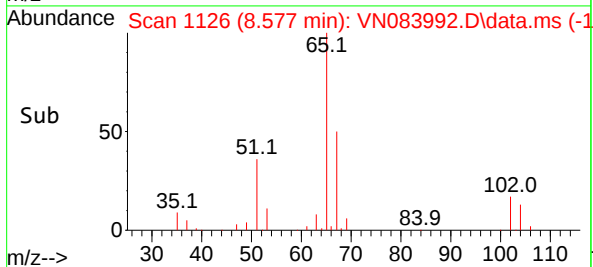
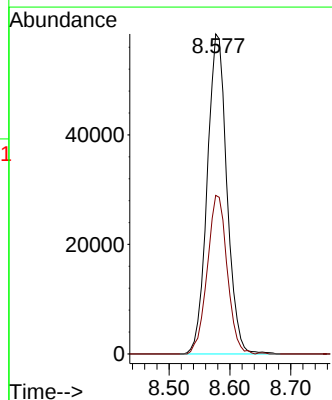
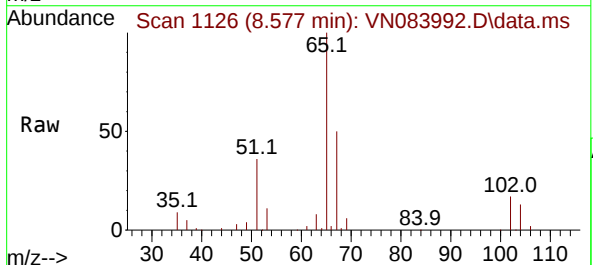


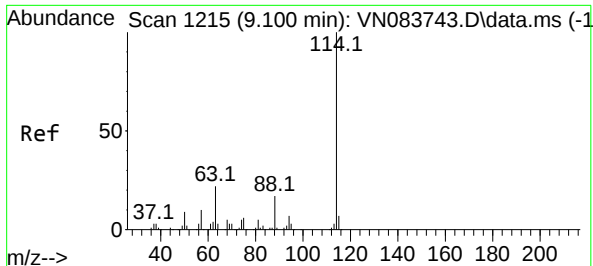
Tgt Ion: 56 Resp: 4769
Ion Ratio Lower Upper
56 100
69 133.5 26.9 40.3#
84 97.6 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 50.374 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 65 Resp: 131307
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

Instrument :

MSVOA_N

ClientSampleId :

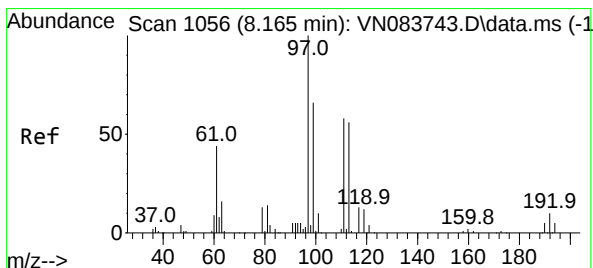
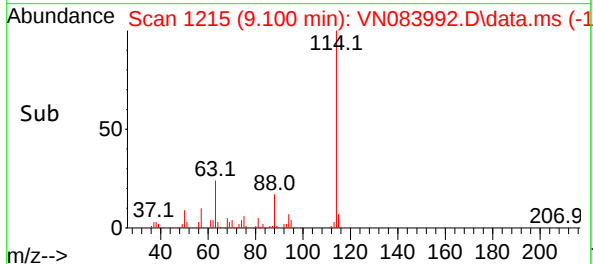
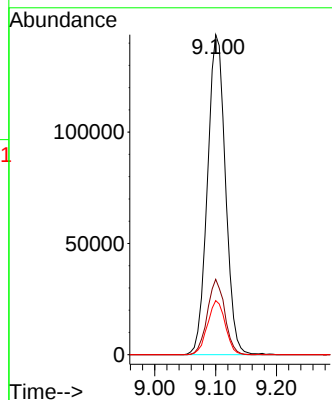
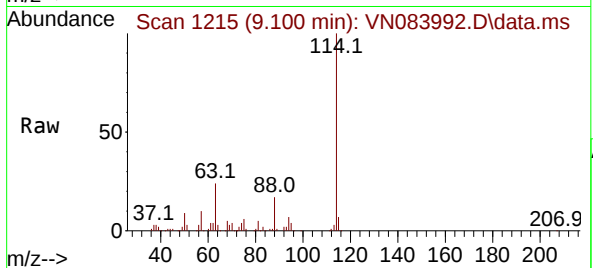
Tgt Ion:114 Resp: 295129

Ion Ratio Lower Upper

114 100

63 23.6 0.0 43.4

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.456 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

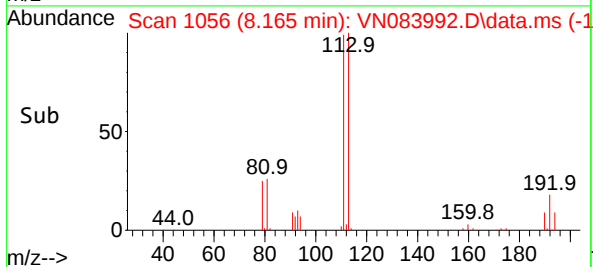
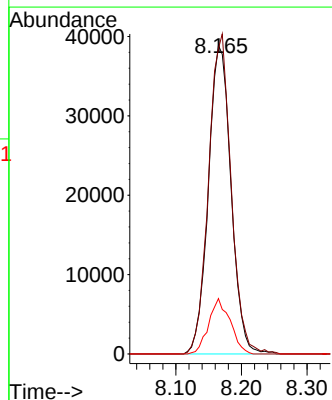
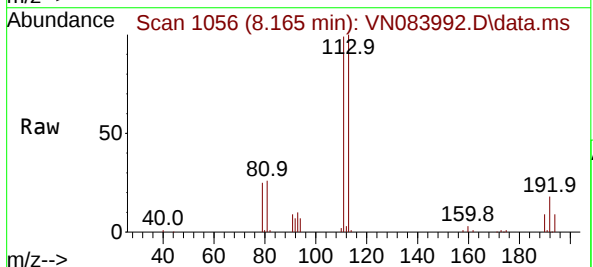
Tgt Ion:113 Resp: 93441

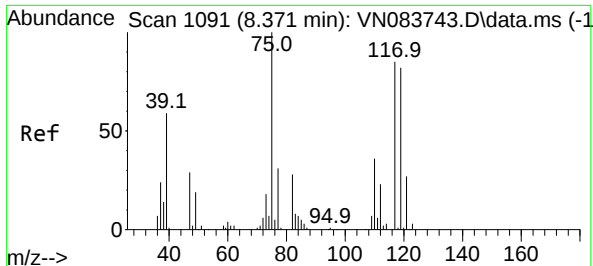
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.600 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

Instrument :

MSVOA_N

ClientSampleId :

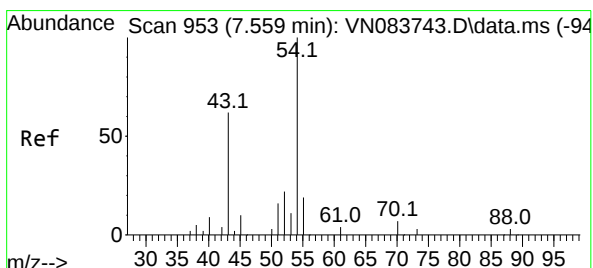
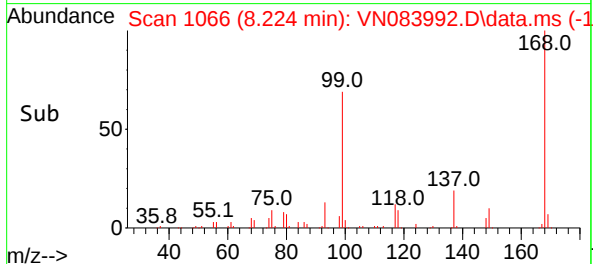
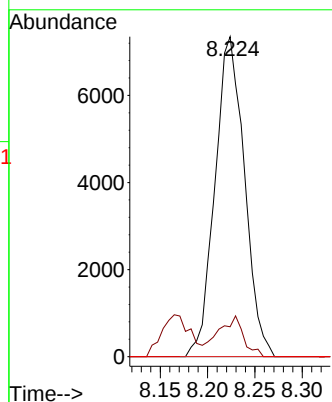
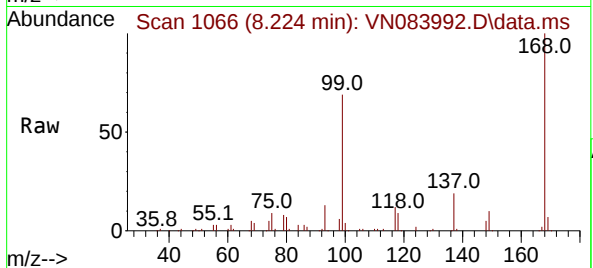
Tgt Ion: 75 Resp: 15926

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.322 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

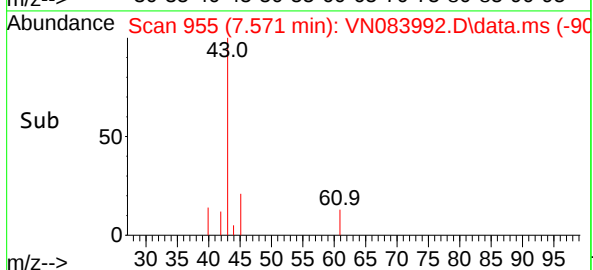
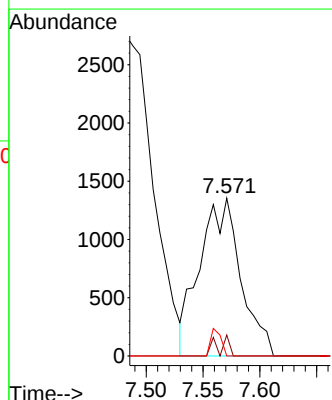
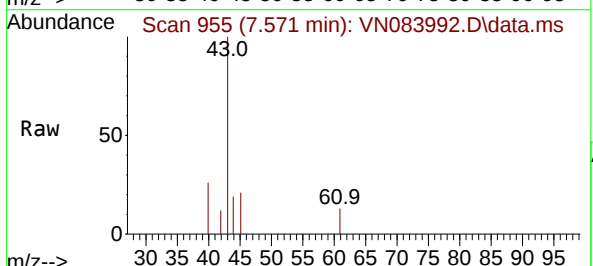
Tgt Ion: 43 Resp: 3413

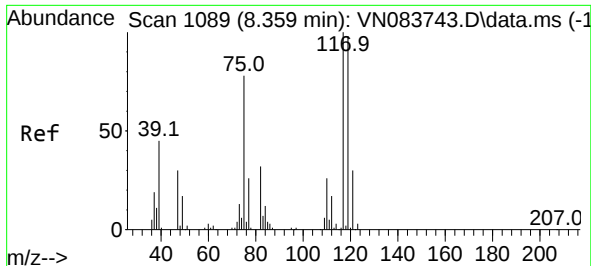
Ion Ratio Lower Upper

43 100

61 1.6 11.1 16.7#

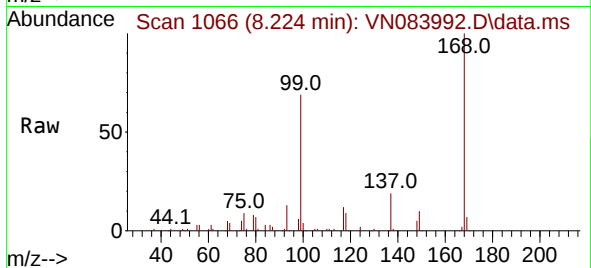
70 4.3 8.8 13.2#



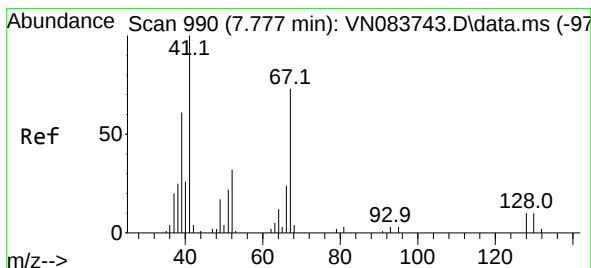
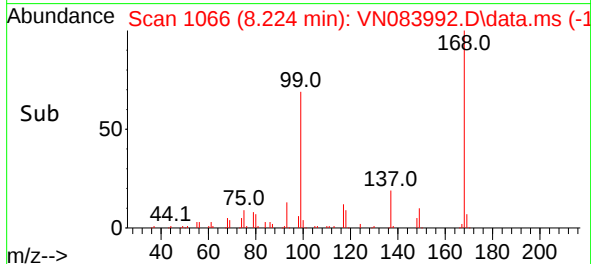
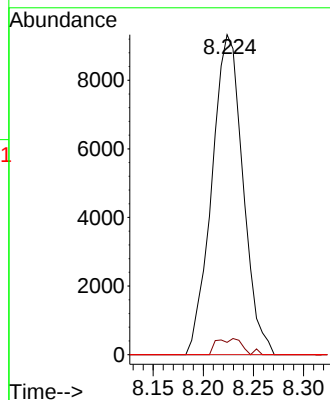


#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

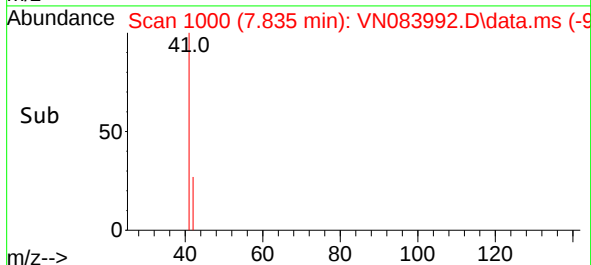
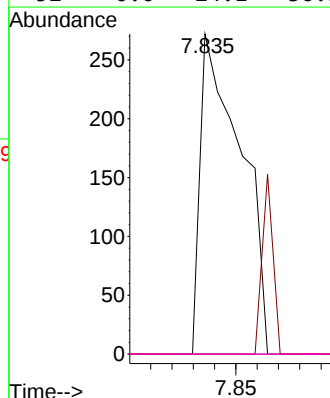
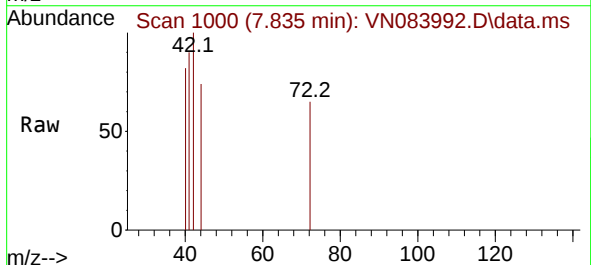


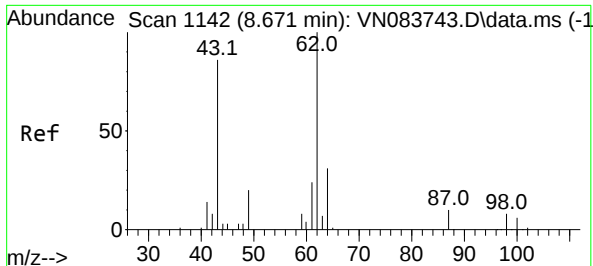
Tgt Ion:117 Resp: 20167
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.1 36.1#



#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 41 Resp: 360
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.2#
67 0.0 55.9 83.9#
52 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.376 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

Instrument :

MSVOA_N

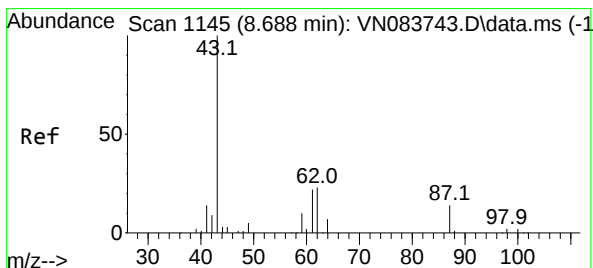
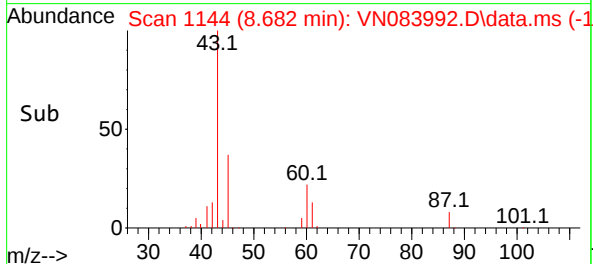
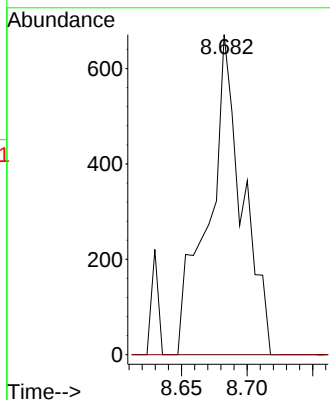
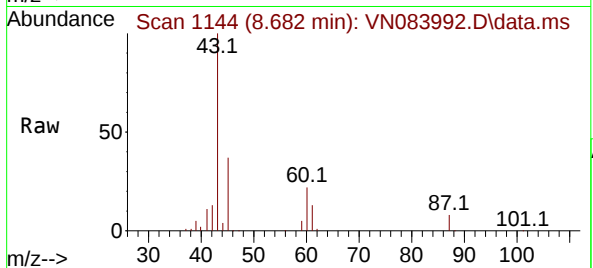
ClientSampleId :

Tgt Ion: 62 Resp: 1202

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 103.078 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

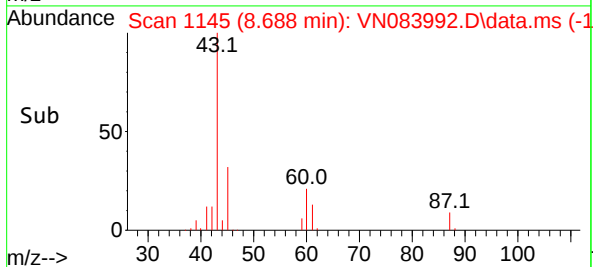
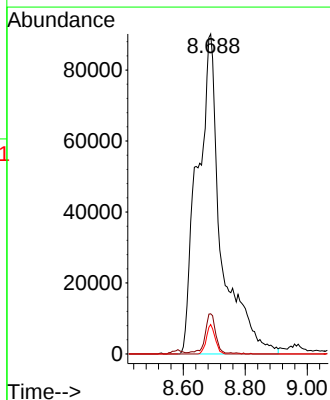
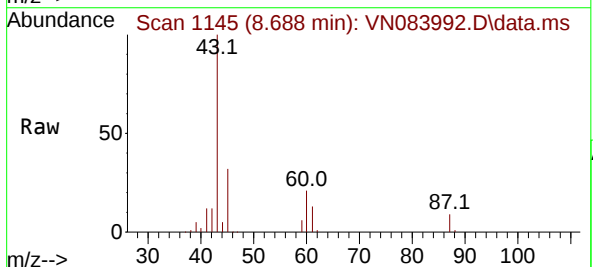
Tgt Ion: 43 Resp: 482168

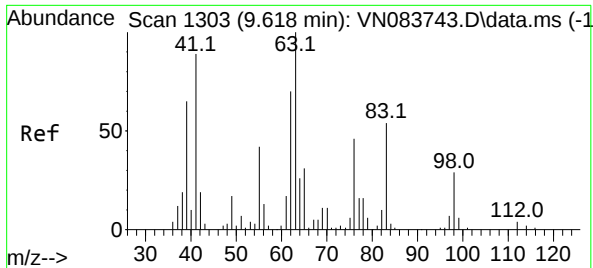
Ion Ratio Lower Upper

43 100

61 5.4 19.4 29.0#

87 3.4 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.735 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

Instrument :

MSVOA_N

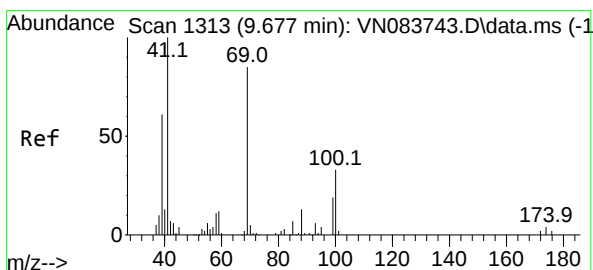
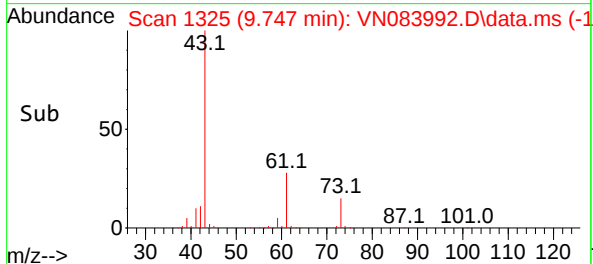
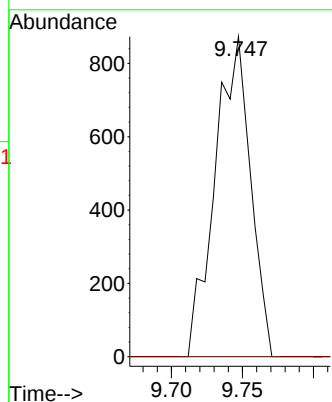
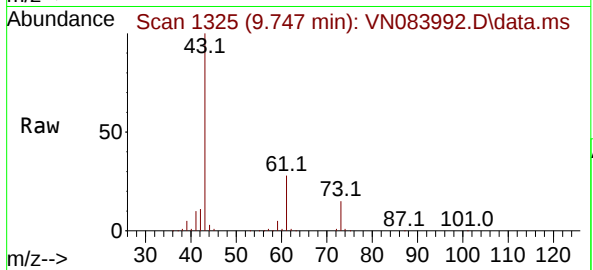
ClientSampleId :

Tgt Ion: 63 Resp: 1520

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 45.901 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

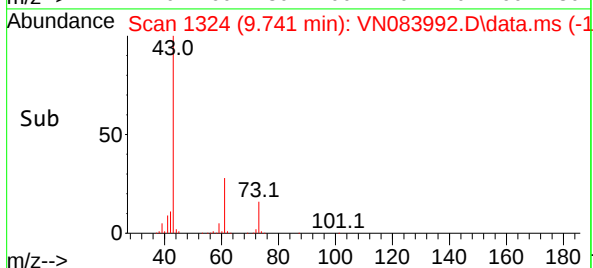
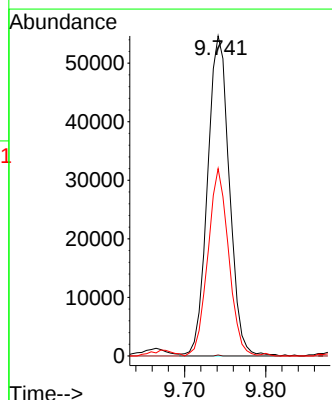
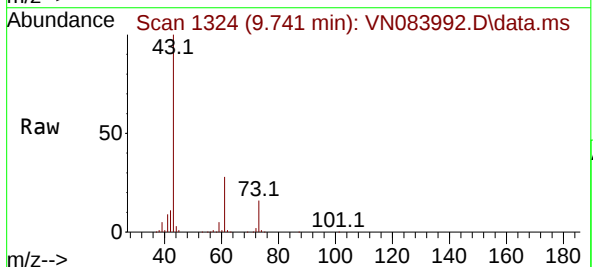
Tgt Ion: 41 Resp: 101867

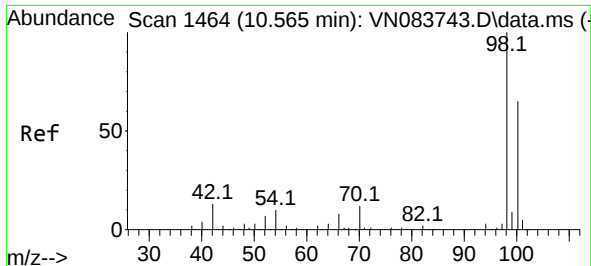
Ion Ratio Lower Upper

41 100

69 0.1 64.3 96.5#

39 55.7 48.9 73.3

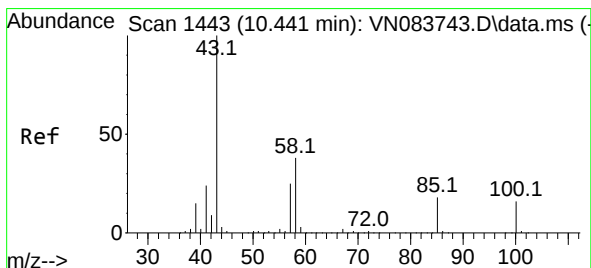
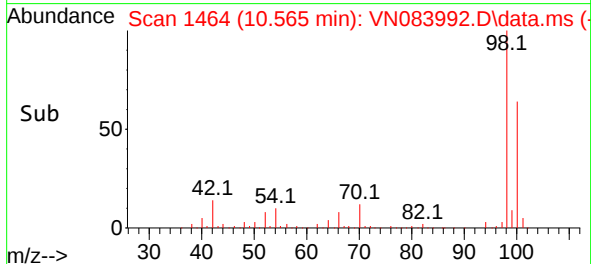
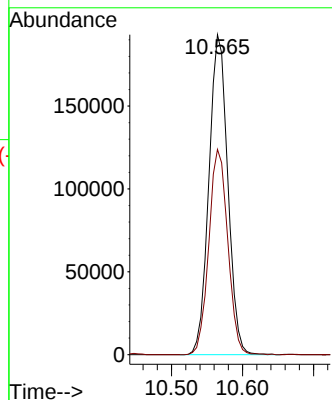
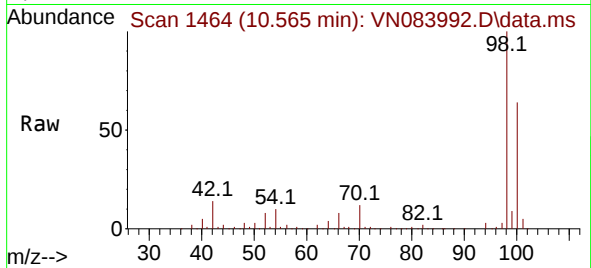




#50
Toluene-d8
Concen: 54.474 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

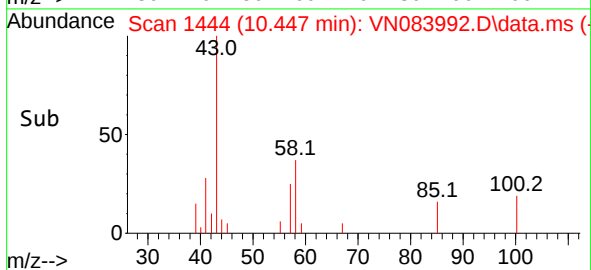
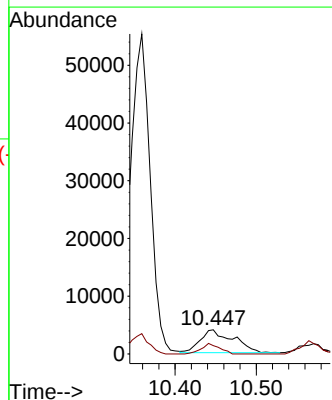
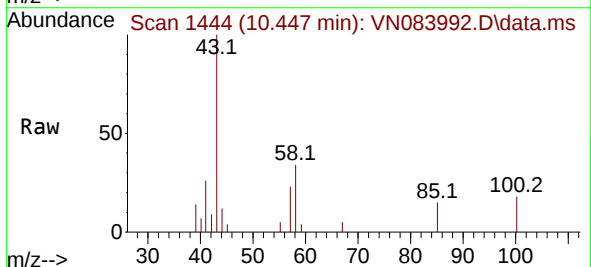
Instrument :
MSVOA_N
ClientSampleId :

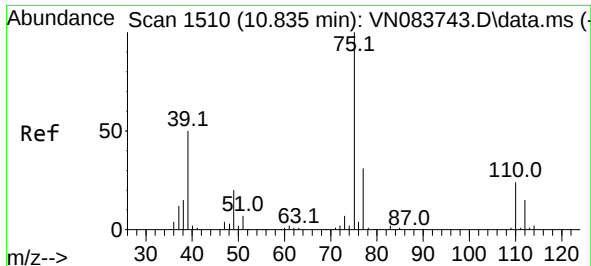
Tgt Ion: 98 Resp: 355808
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.402 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 43 Resp: 11208
Ion Ratio Lower Upper
43 100
58 25.2 31.6 47.4#

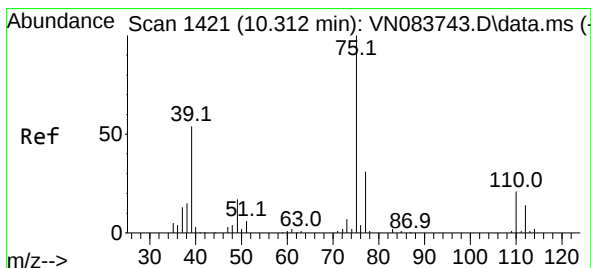
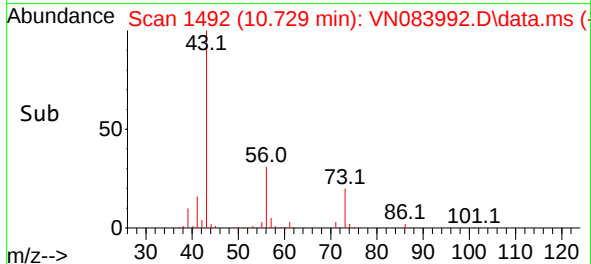
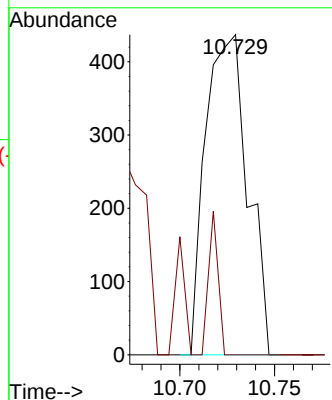
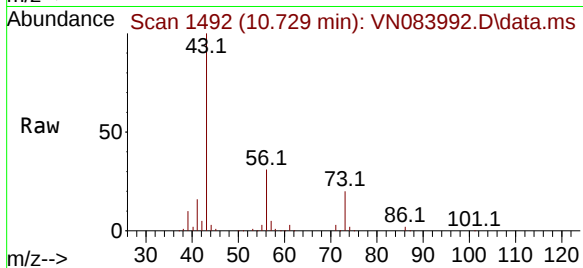




#53
t-1,3-Dichloropropene
Concen: 0.213 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

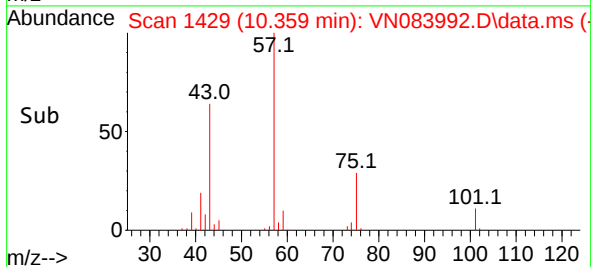
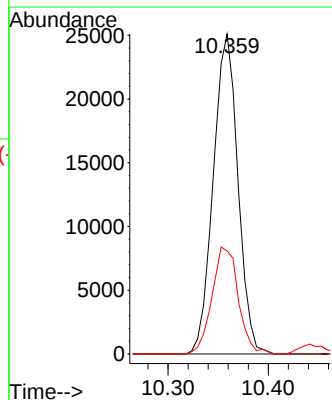
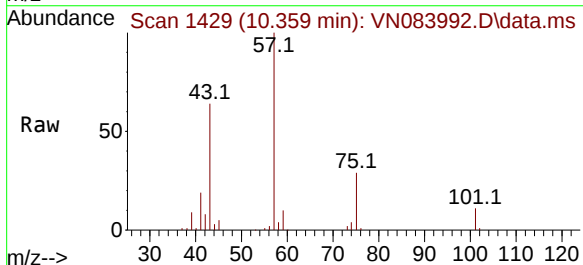
Instrument :
MSVOA_N
ClientSampleId :

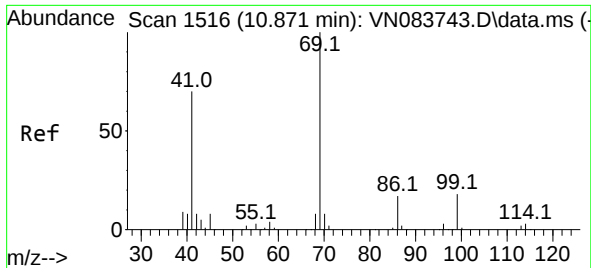
Tgt Ion: 75 Resp: 678
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 12.818 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 75 Resp: 42798
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 32.2 42.6 64.0#

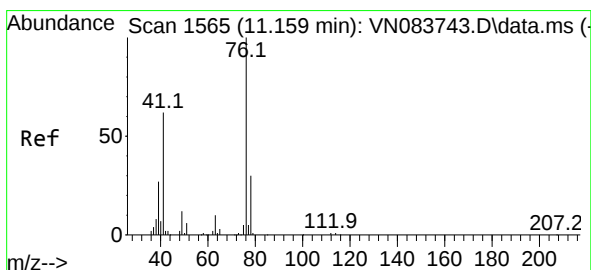
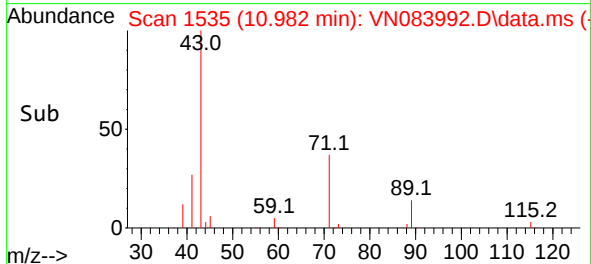
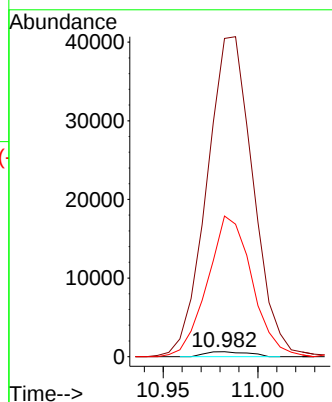
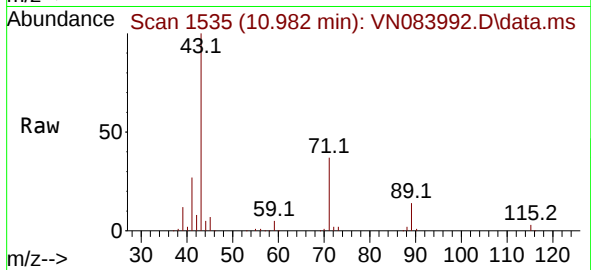




#56
Ethyl methacrylate
Concen: 0.337 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

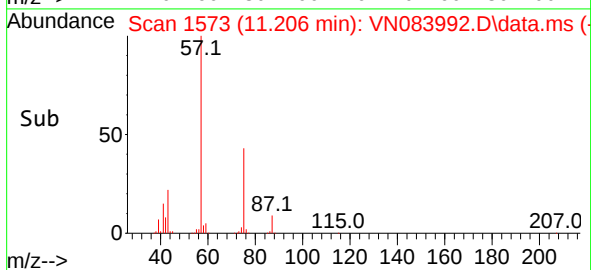
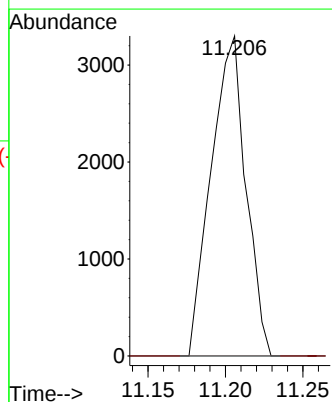
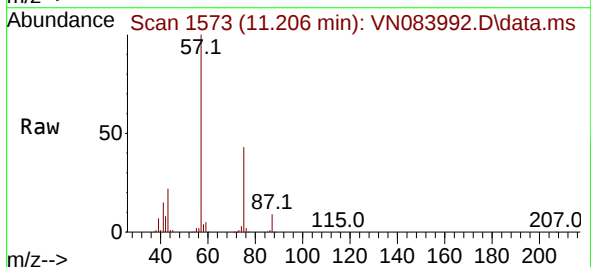
Instrument :
MSVOA_N
ClientSampleId :

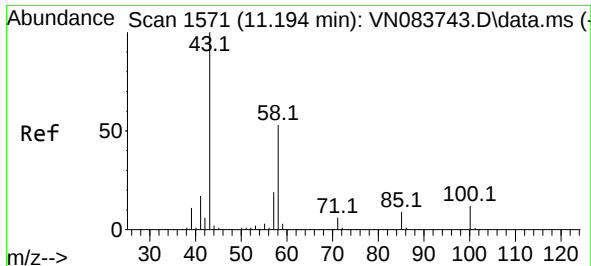
Tgt Ion: 69 Resp: 1014
Ion Ratio Lower Upper
69 100
41 6842.3 53.9 80.9#
39 2889.5 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.530 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion: 76 Resp: 5140
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

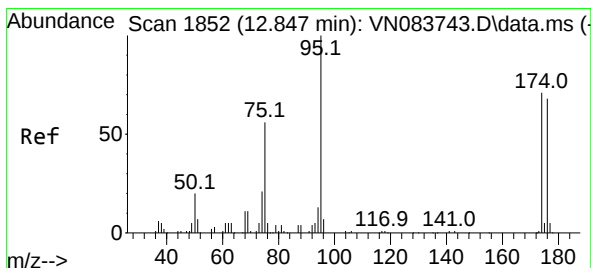
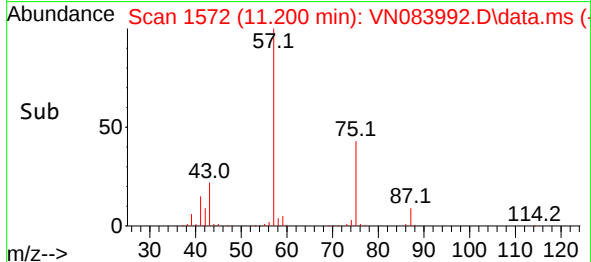
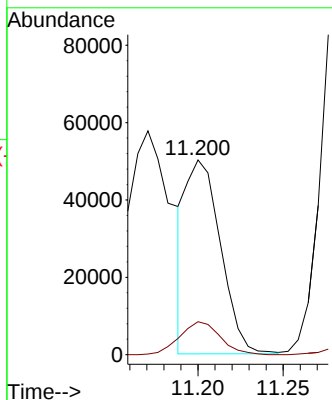
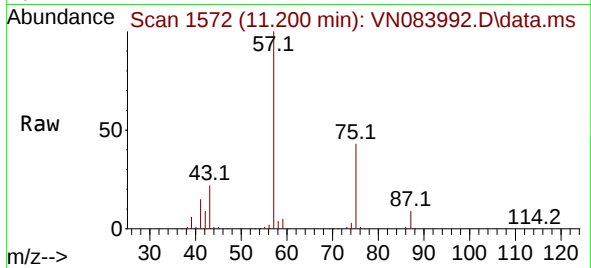




#59
2-Hexanone
Concen: 37.688 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

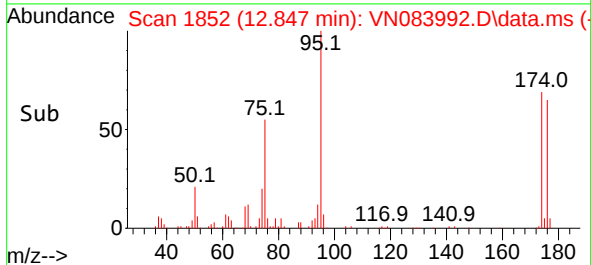
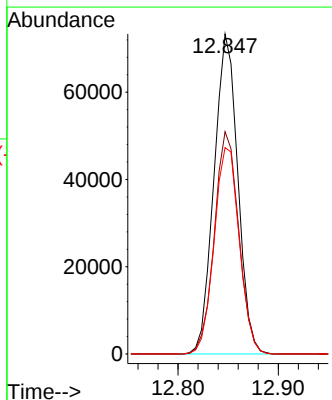
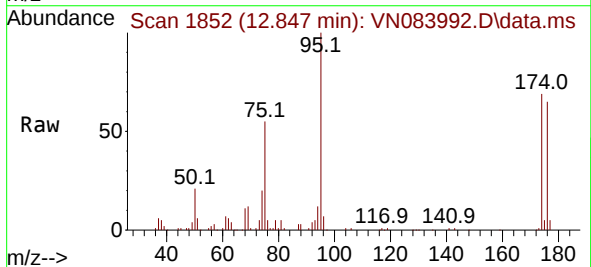
Instrument :
MSVOA_N
ClientSampleId :

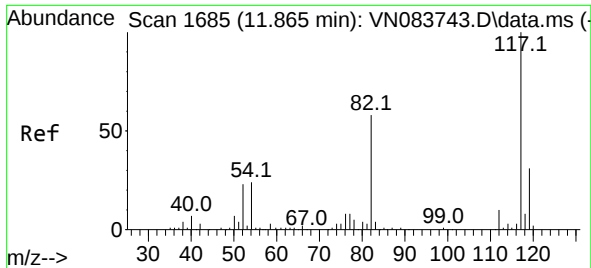
Tgt Ion: 43 Resp: 70988
Ion Ratio Lower Upper
43 100
58 19.8 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 44.816 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

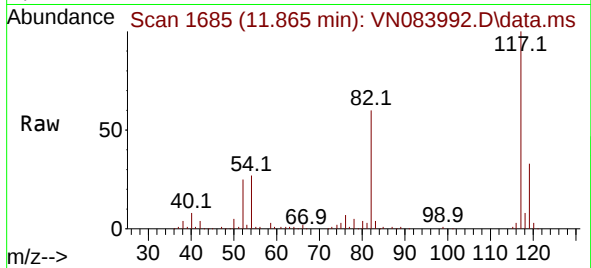
Tgt Ion: 95 Resp: 120770
Ion Ratio Lower Upper
95 100
174 71.2 0.0 139.8
176 68.2 0.0 131.4



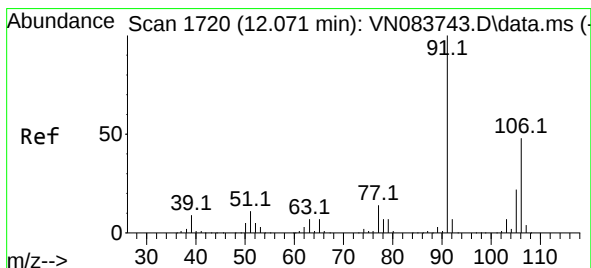
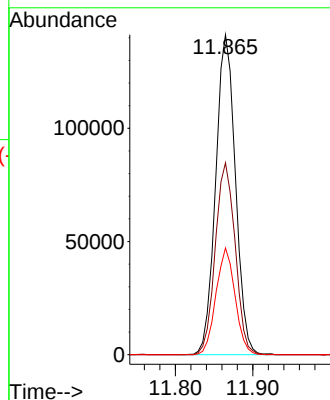
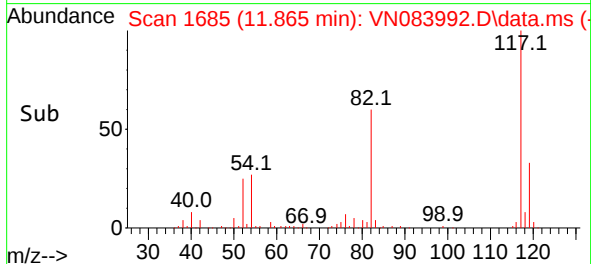


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11719
Delta R.T. -0.000 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

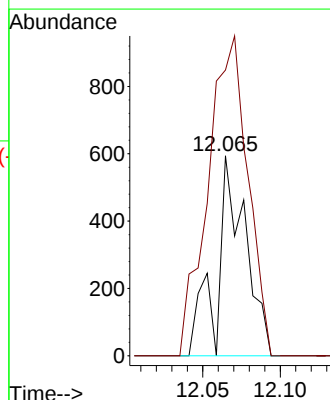
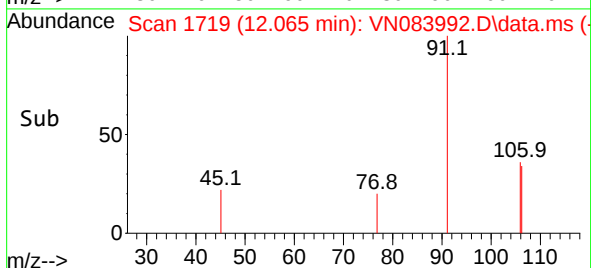
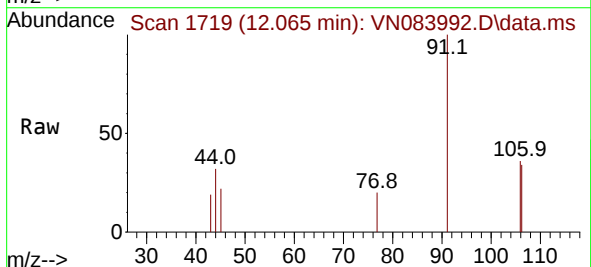


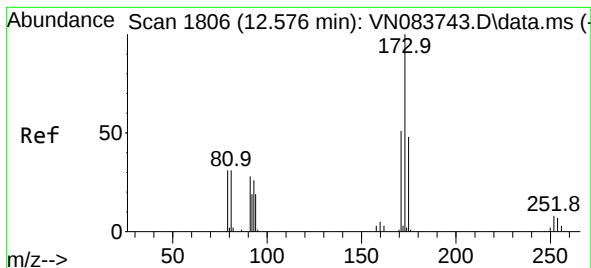
Tgt Ion:117 Resp: 250428
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 33.4 26.3 39.5



#68
m/p-Xylenes
Concen: 0.209 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Tgt Ion:106 Resp: 768
Ion Ratio Lower Upper
106 100
91 221.5 169.2 253.8





#71

Bromoform

Concen: 0.571 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

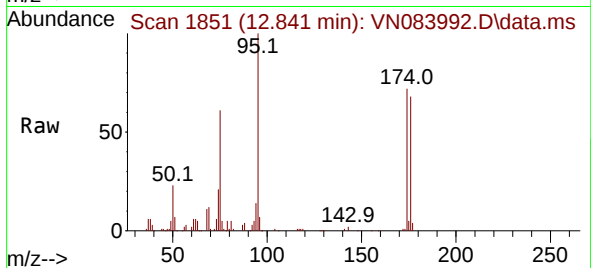
Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

Instrument :

MSVOA_N

ClientSampleId :



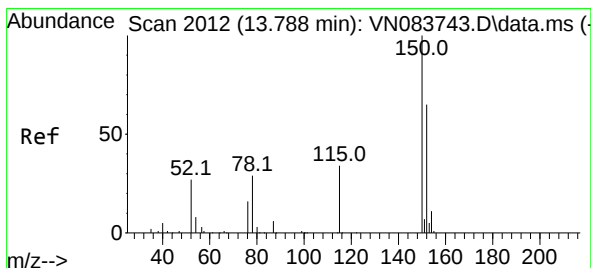
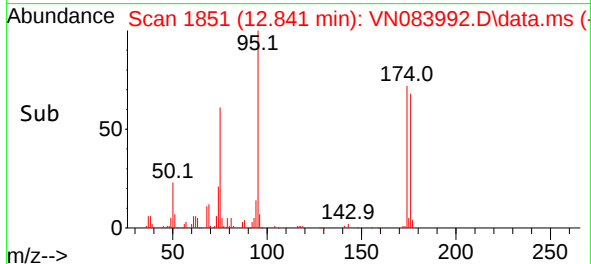
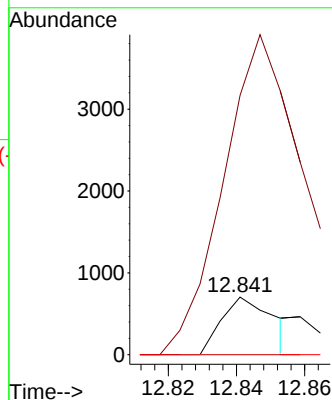
Tgt Ion:173 Resp: 743

Ion Ratio Lower Upper

173 100

175 635.5 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN083992.D

Acq: 18 Sep 2024 19:03

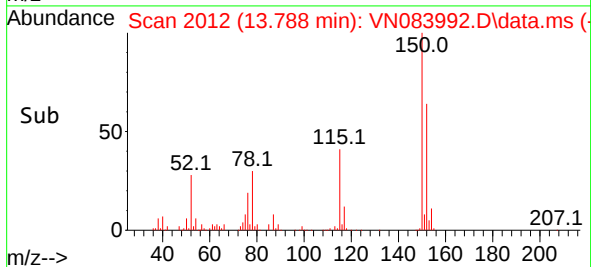
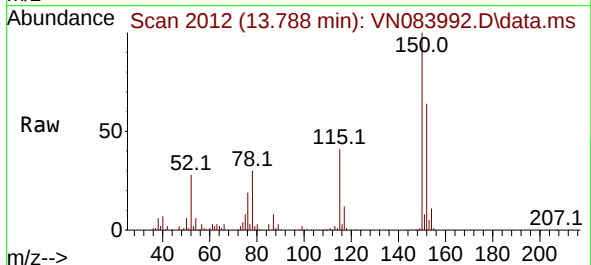
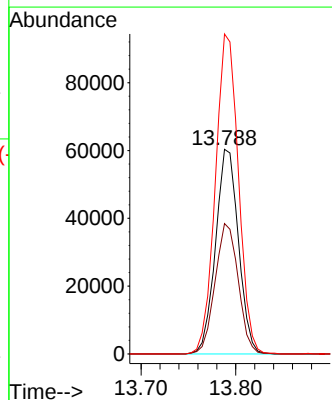
Tgt Ion:152 Resp: 101549

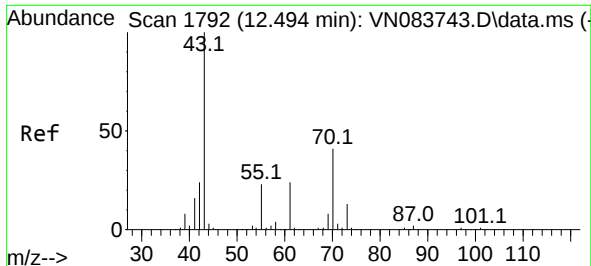
Ion Ratio Lower Upper

152 100

115 64.4 32.2 96.6

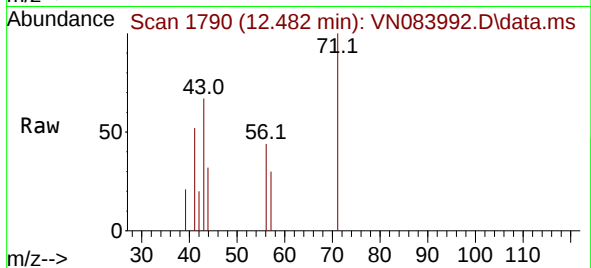
150 157.4 0.0 348.6



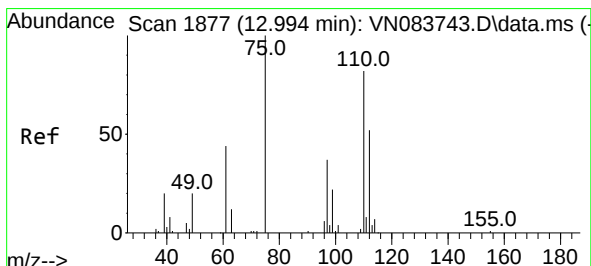
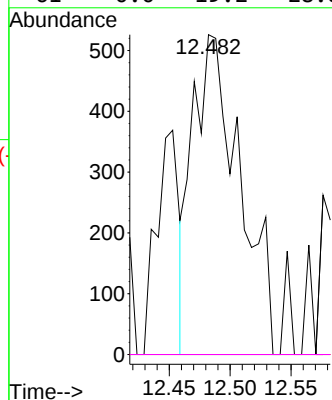
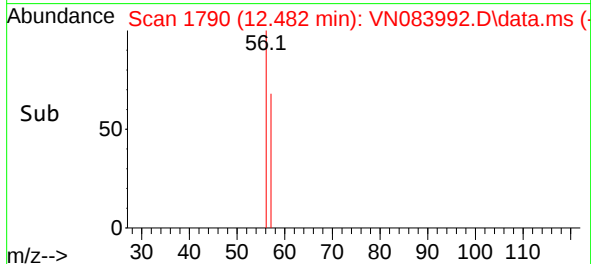


#74
N-amy1 acetate
Concen: 0.423 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

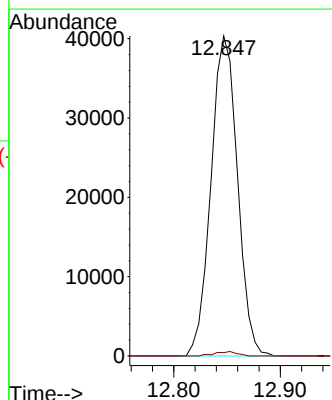
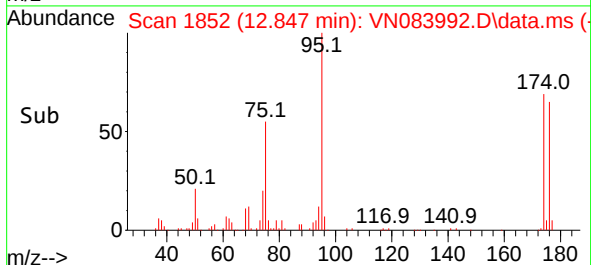
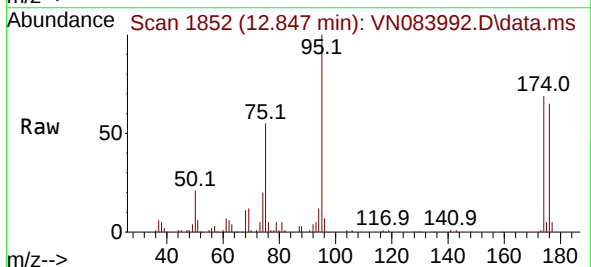


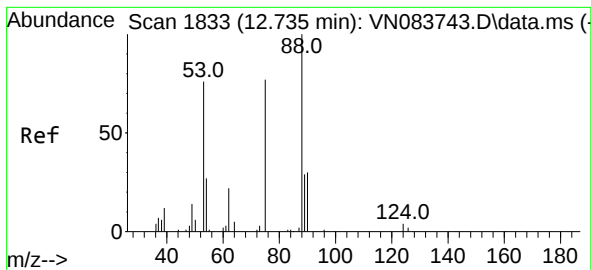
Tgt Ion: 43	Resp: 1417
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 34.025 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

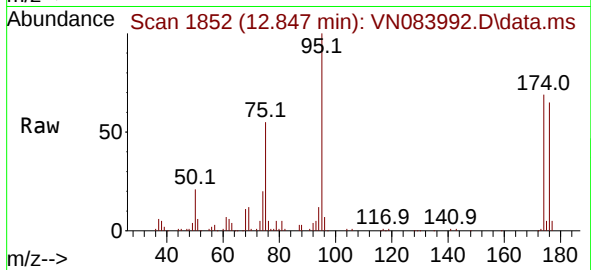
Tgt Ion: 75	Resp: 69720
Ion Ratio	Lower Upper
75 100	
77 1.1	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 89.115 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083992.D
Acq: 18 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 69720
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

