

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083999.D
 Acq On : 18 Sep 2024 21:51
 Operator : JC\MD
 Sample : P4085-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

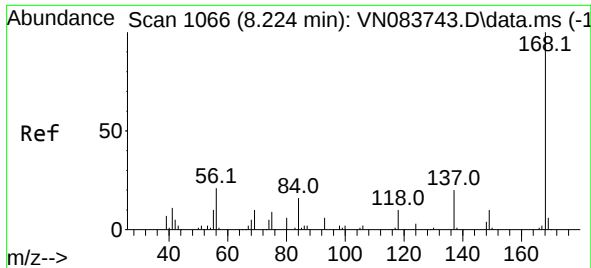
Quant Time: Sep 19 01:43:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	174904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	257188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132695	50.315	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.620%	
35) Dibromofluoromethane	8.165	113	92689	48.237	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	10.565	98	360653	54.292	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.580%	
62) 4-Bromofluorobenzene	12.847	95	134148	48.948	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.900%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	196	Below Cal	#	41
11) Tert butyl alcohol	5.530	59	1381	3.910	ug/l #	71
16) Acetone	4.430	43	16992	16.072	ug/l	90
18) Methyl Acetate	5.030	43	2229	Below Cal	#	58
20) Methylene Chloride	5.283	84	5385	2.489	ug/l #	85
25) 2-Butanone	7.488	43	9019	6.491	ug/l	92
29) Tetrahydrofuran	7.853	42	186	0.226	ug/l #	32
31) Cyclohexane	8.224	56	4780	1.254	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	16793	5.806	ug/l #	48
37) Ethyl Acetate	7.559	43	4026	1.534	ug/l #	81
38) Carbon Tetrachloride	8.224	117	20722	6.315	ug/l #	15
43) Isopropyl Acetate	8.688	43	322127	67.713	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1459	0.693	ug/l #	42
48) Methyl methacrylate	9.671	41	4567	2.023	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	4694	1.813	ug/l	89
53) t-1,3-Dichloropropene	10.712	75	827	0.256	ug/l #	42
54) cis-1,3-Dichloropropene	10.353	75	43952	12.943	ug/l #	63
56) Ethyl methacrylate	10.988	69	1105	0.361	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5164	1.512	ug/l #	42
59) 2-Hexanone	11.200	43	73623	38.433	ug/l #	56
71) Bromoform	12.847	173	646	0.484	ug/l #	1
74) N-amyl acetate	12.459	43	3342	0.921	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77848	35.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77848	91.947	ug/l #	9

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

Quant Time: Sep 19 01:43:17 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

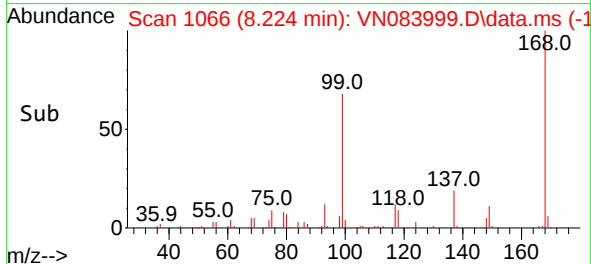
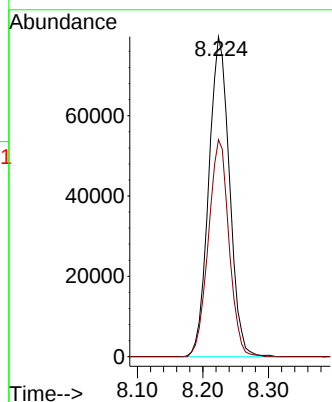
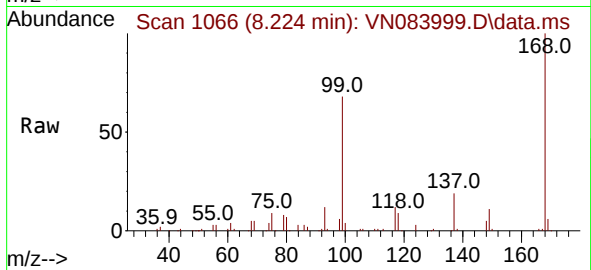




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

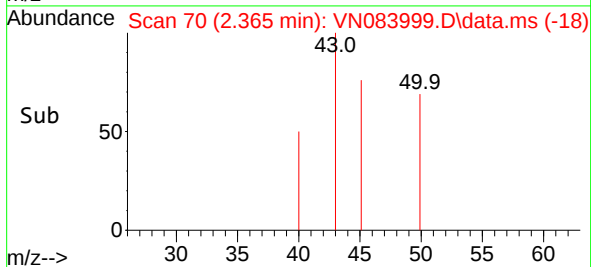
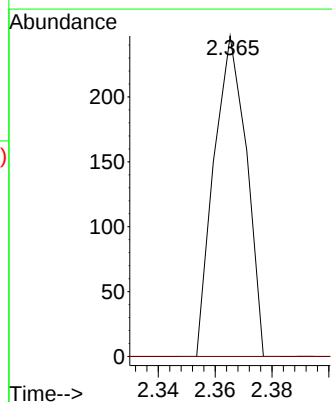
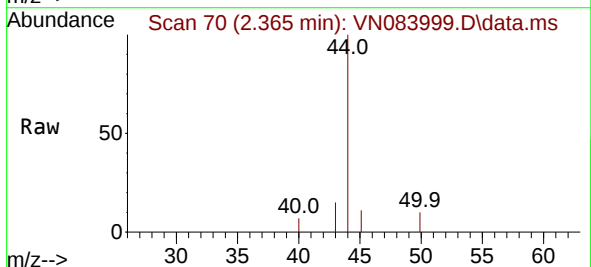
Instrument :
MSVOA_N
ClientSampleId :

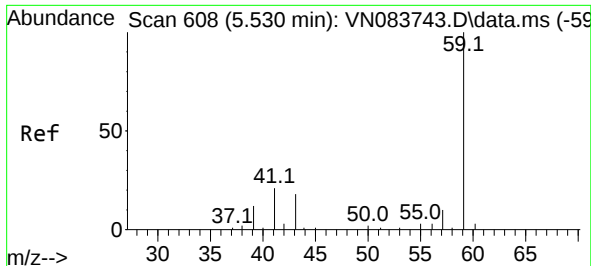
Tgt Ion:168 Resp: 174904
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

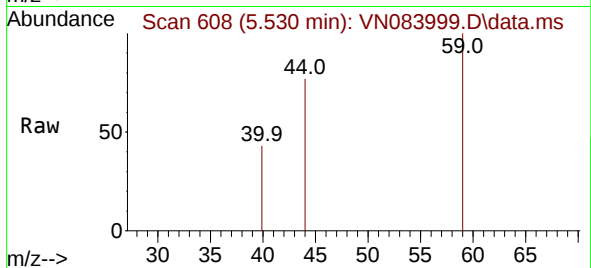
Tgt Ion: 50 Resp: 196
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



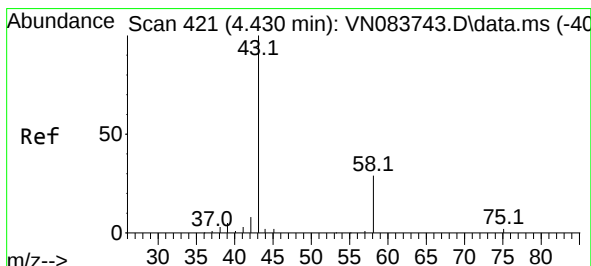
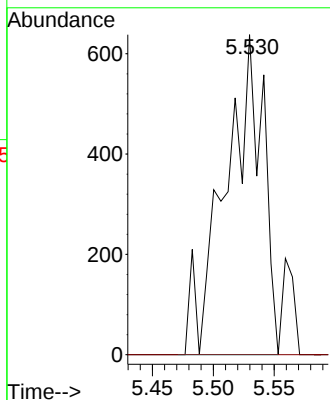
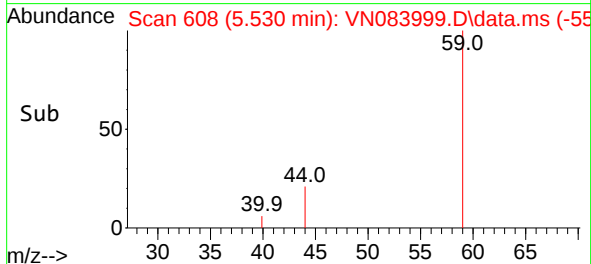


#11
Tert butyl alcohol
Concen: 3.910 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Instrument :
MSVOA_N
ClientSampleId :

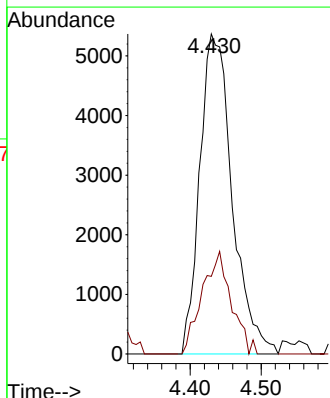
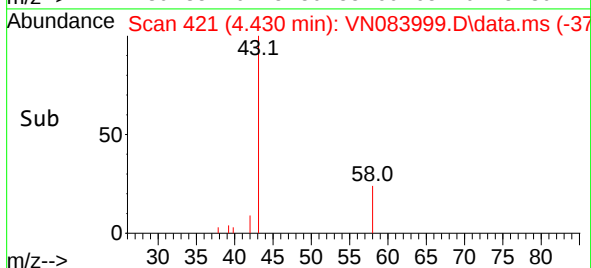
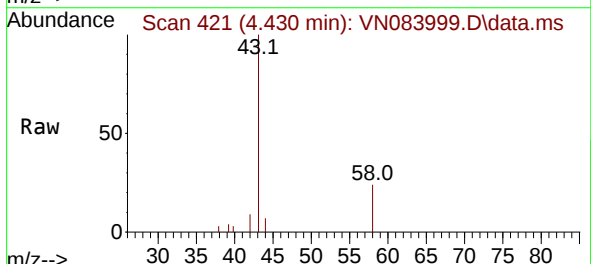


Tgt Ion: 59 Resp: 1381
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 16.072 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

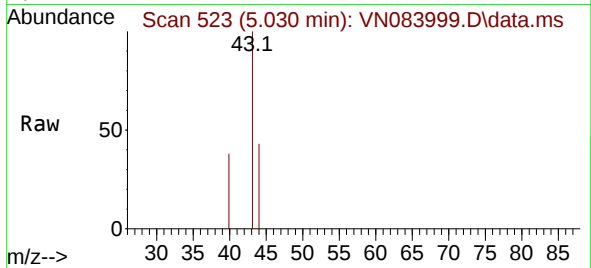
Tgt Ion: 43 Resp: 16992
Ion Ratio Lower Upper
43 100
58 24.3 23.7 35.5



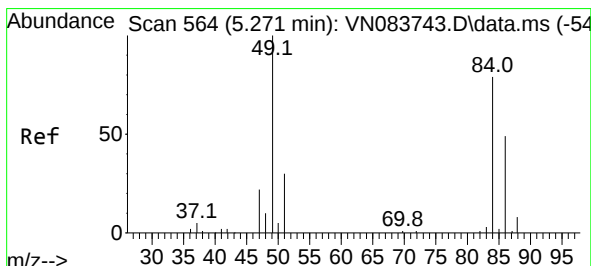
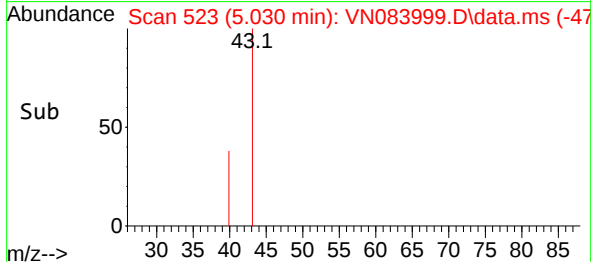
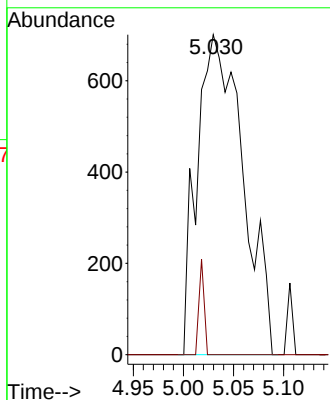


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Instrument :
MSVOA_N
ClientSampleId :

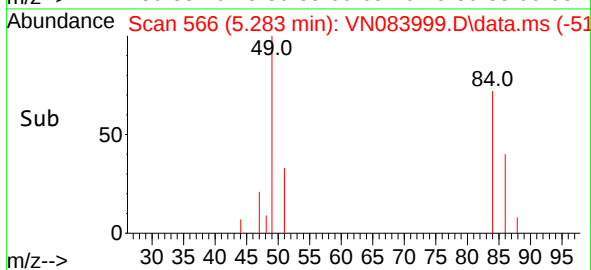
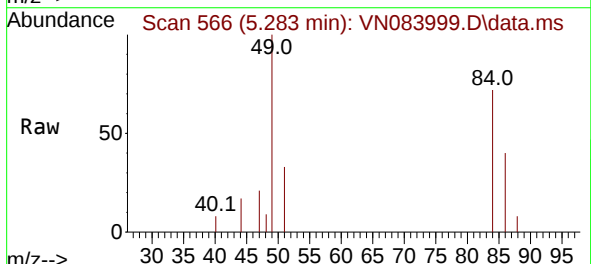
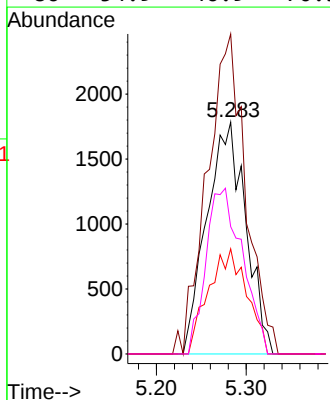


Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
74 3.3 19.0 28.4#



#20
Methylene Chloride
Concen: 2.489 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 84 Resp: 5385
Ion Ratio Lower Upper
84 100
49 138.1 93.4 140.0
51 45.3 29.2 43.8#
86 54.9 46.9 70.3





#25

2-Butanone

Concen: 6.491 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

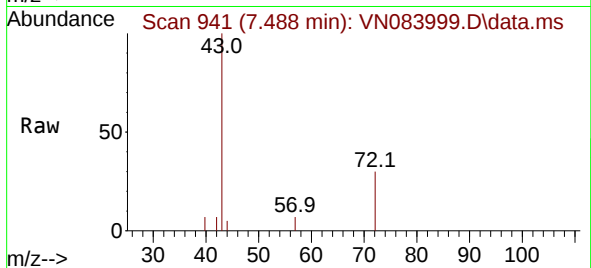
Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

Instrument :

MSVOA_N

ClientSampleId :

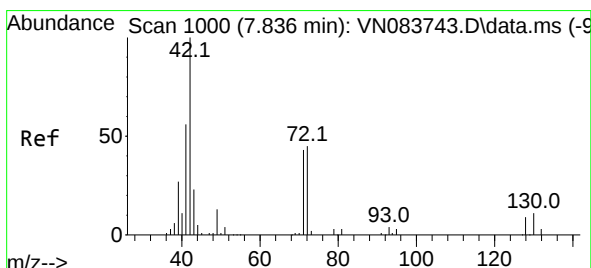
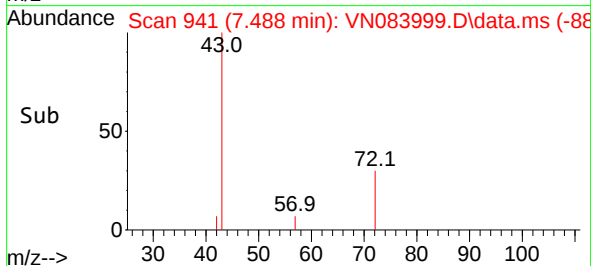
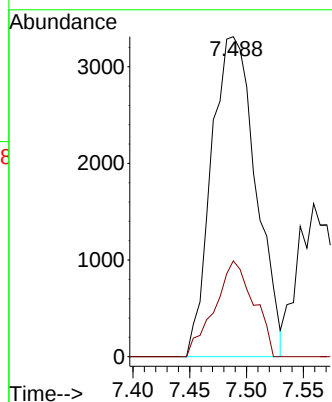


Tgt Ion: 43 Resp: 9019

Ion Ratio Lower Upper

43 100

72 30.0 20.8 31.2



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

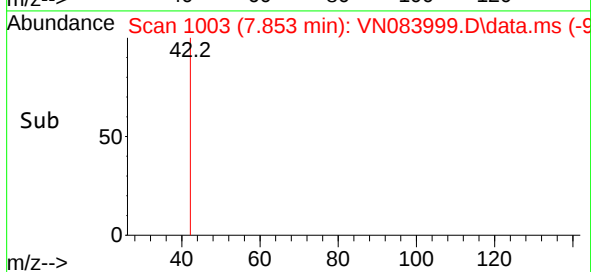
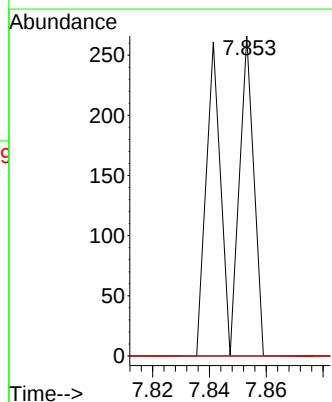
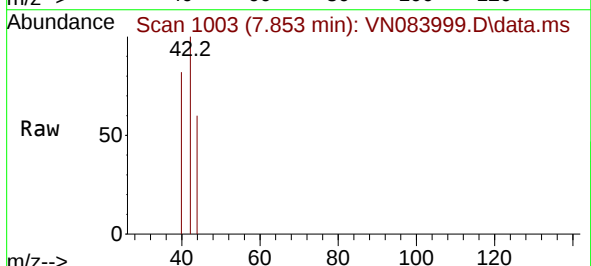
Tgt Ion: 42 Resp: 186

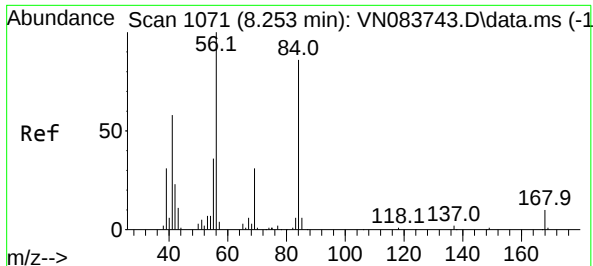
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

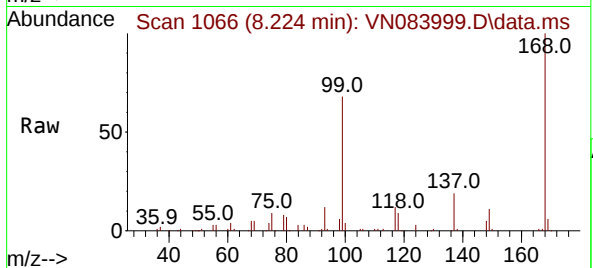
Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

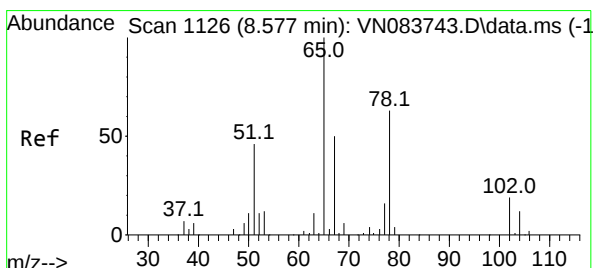
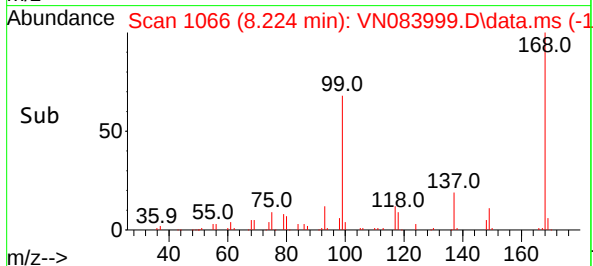
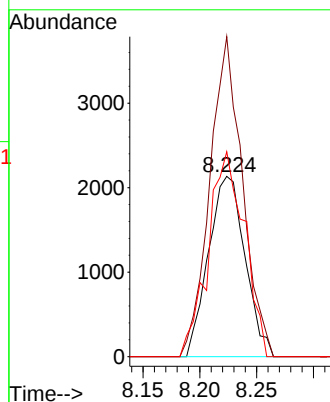
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4780
Ion Ratio	Lower Upper
56	100
69	177.5 26.9 40.3#
84	113.7 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 50.315 ug/l

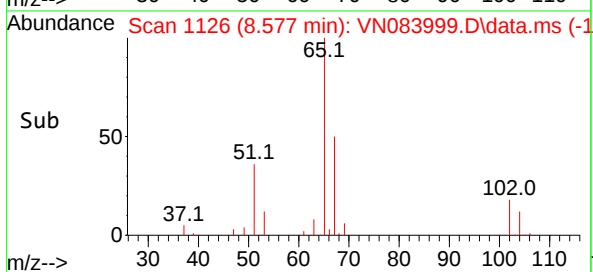
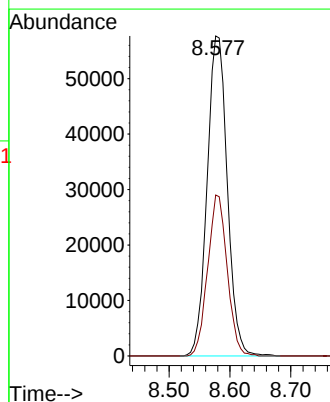
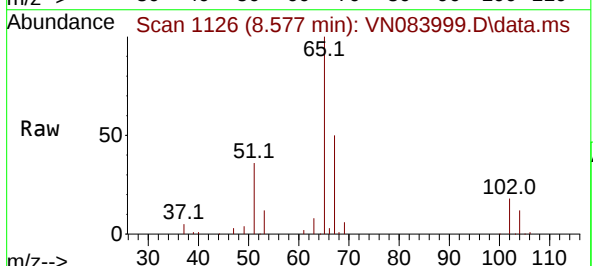
RT: 8.577 min Scan# 1126

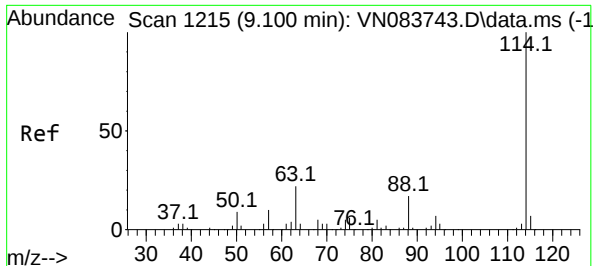
Delta R.T. -0.000 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

Tgt Ion: 65	Resp: 132695
Ion Ratio	Lower Upper
65	100
67	48.7 0.0 100.8

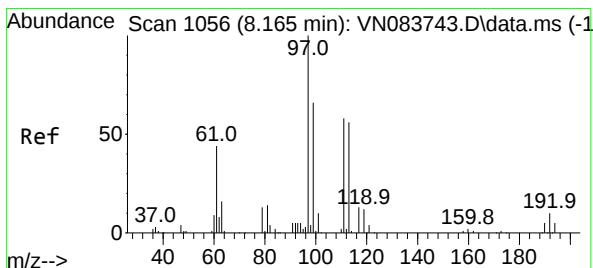
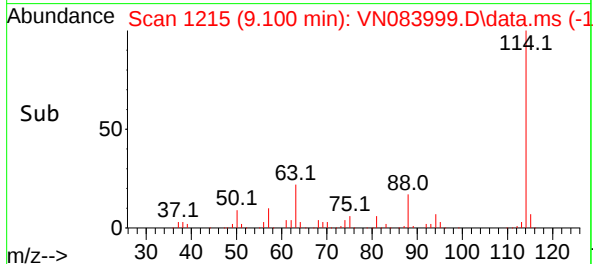
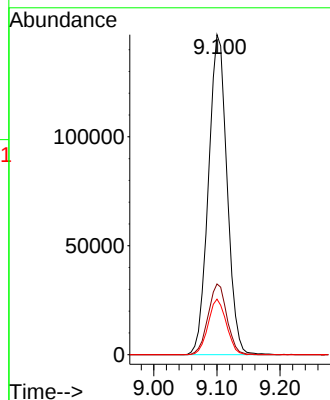
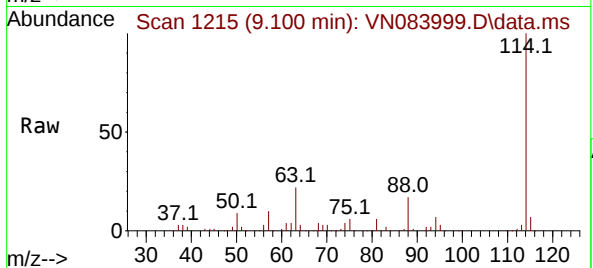




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

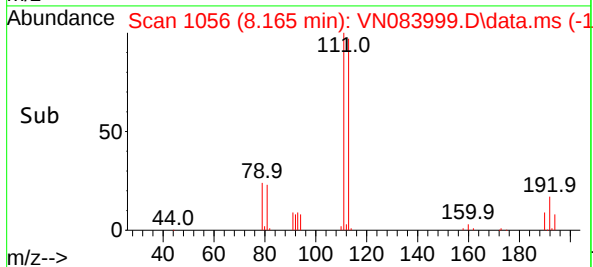
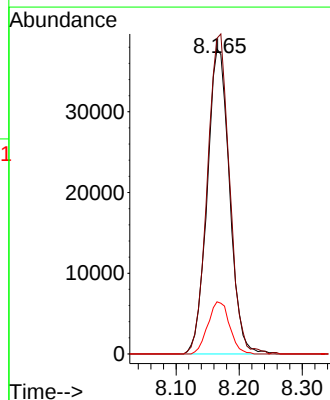
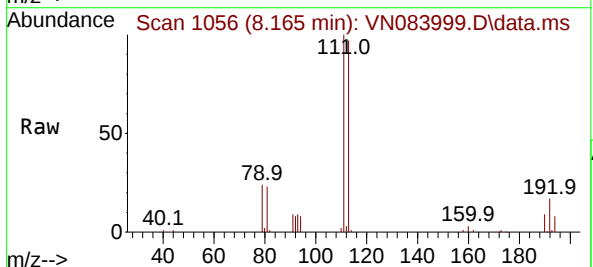
Instrument :
MSVOA_N
ClientSampleId :

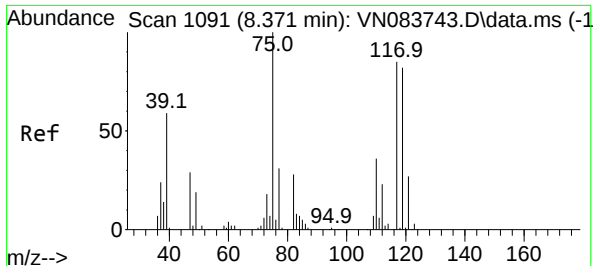
Tgt Ion:114 Resp: 300149
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.4
88 17.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.237 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion:113 Resp: 92689
Ion Ratio Lower Upper
113 100
111 104.2 82.6 124.0
192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.806 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

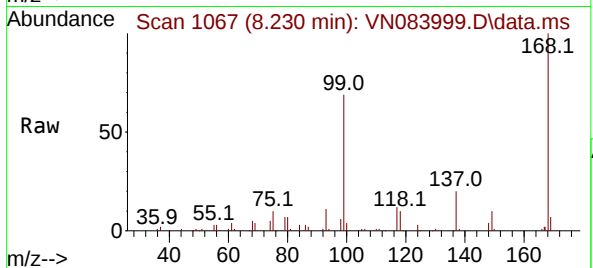
Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

Instrument :

MSVOA_N

ClientSampleId :



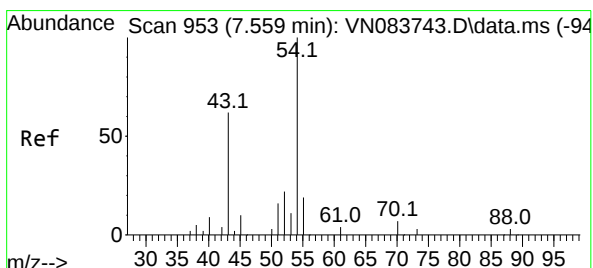
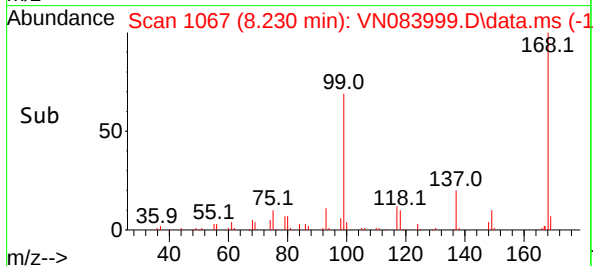
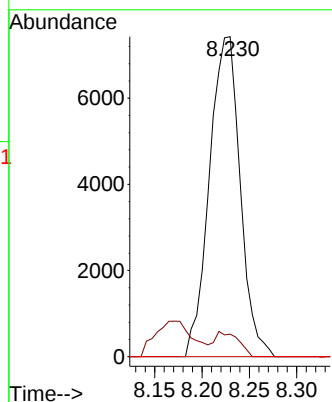
Tgt Ion: 75 Resp: 16793

Ion Ratio Lower Upper

75 100

110 6.0 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.534 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

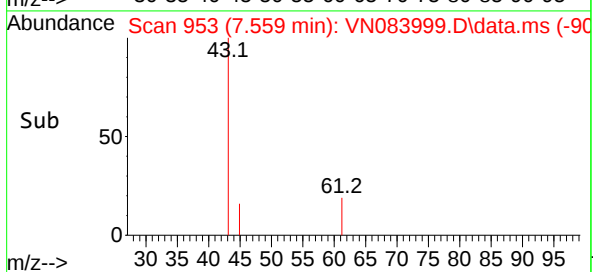
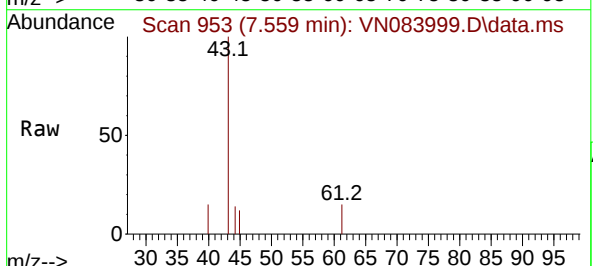
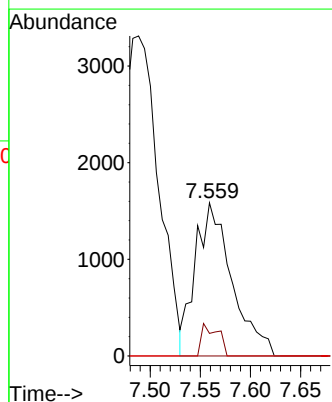
Tgt Ion: 43 Resp: 4026

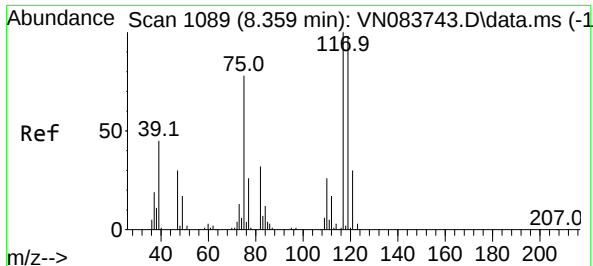
Ion Ratio Lower Upper

43 100

61 9.4 11.1 16.7#

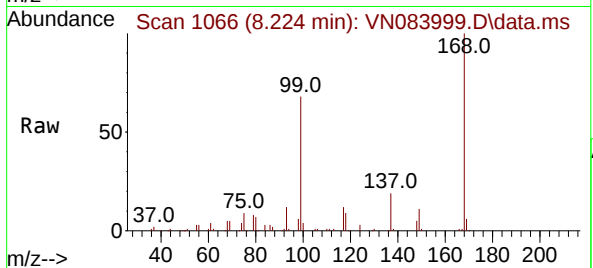
70 0.0 8.8 13.2#



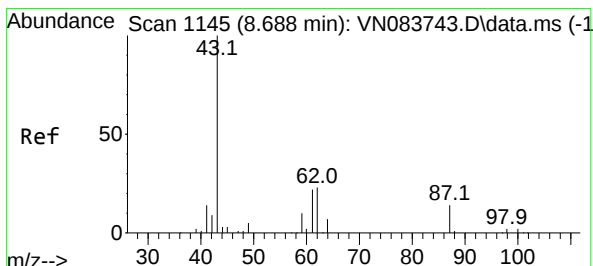
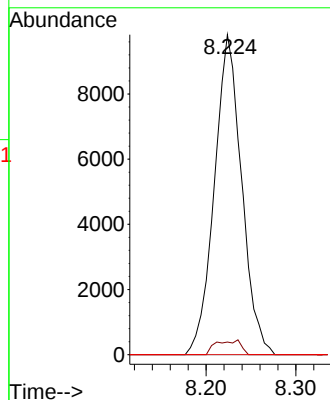
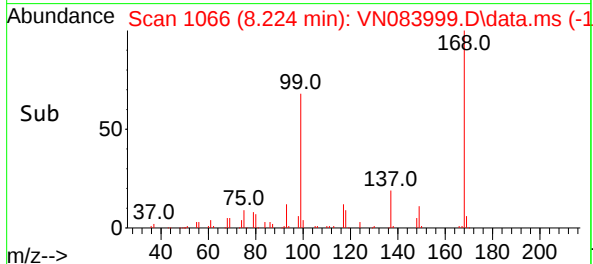


#38
Carbon Tetrachloride
Concen: 6.315 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Instrument :
MSVOA_N
ClientSampleId :

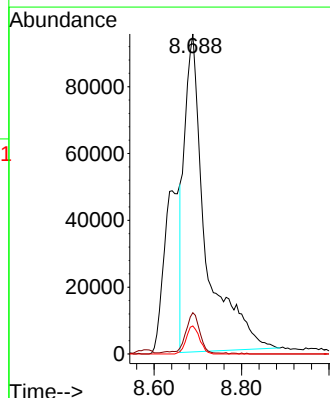
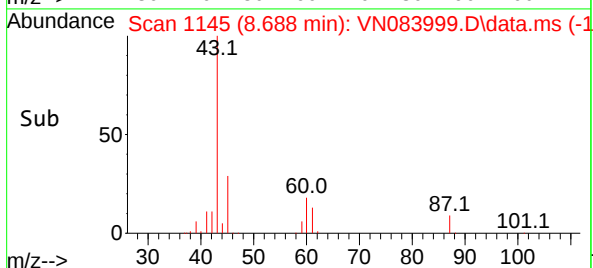
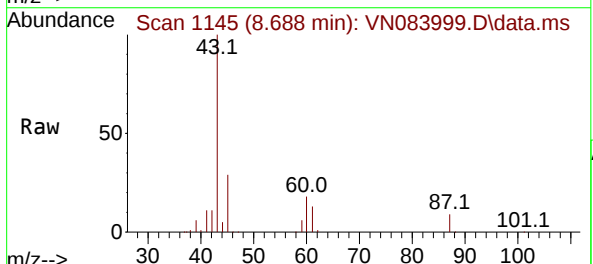


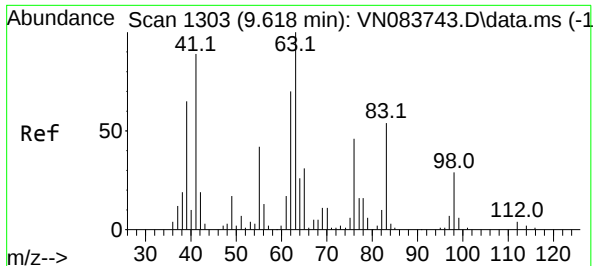
Tgt Ion:117 Resp: 20722
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 67.713 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 43 Resp: 322127
Ion Ratio Lower Upper
43 100
61 9.0 19.4 29.0#
87 5.5 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.693 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

Instrument :

MSVOA_N

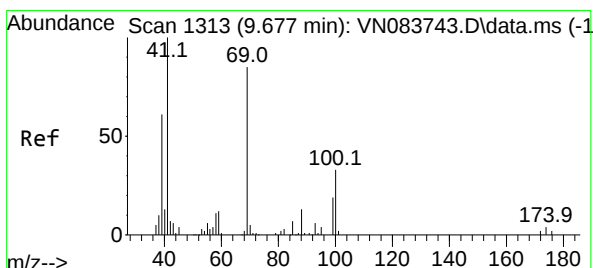
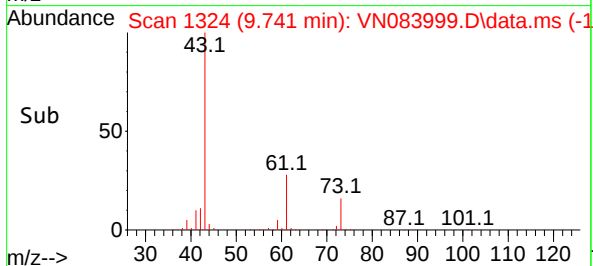
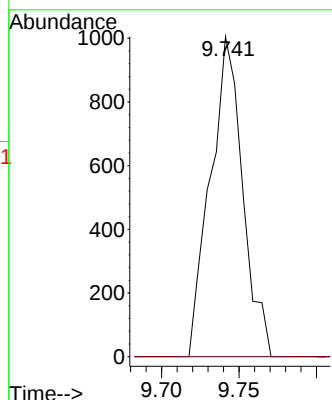
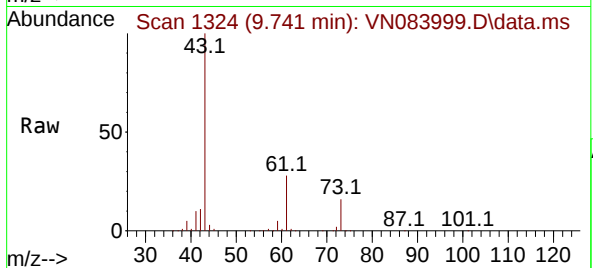
ClientSampleId :

Tgt Ion: 63 Resp: 1459

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 2.023 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

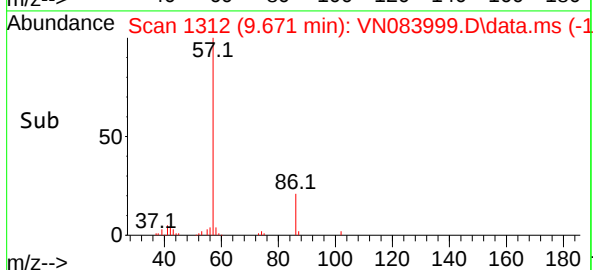
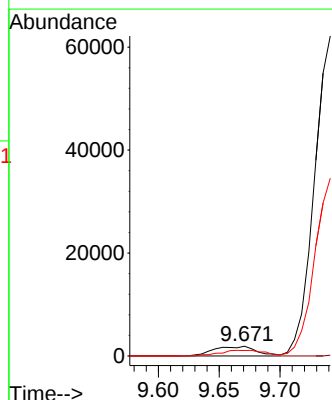
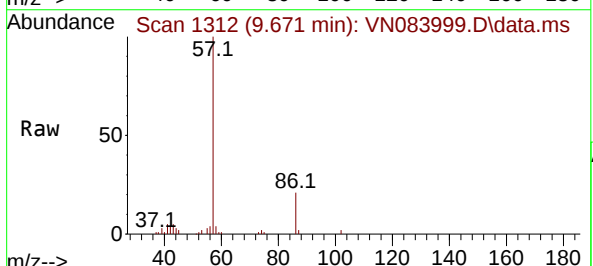
Tgt Ion: 41 Resp: 4567

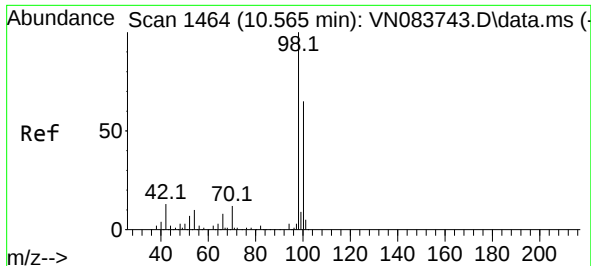
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 61.3 48.9 73.3

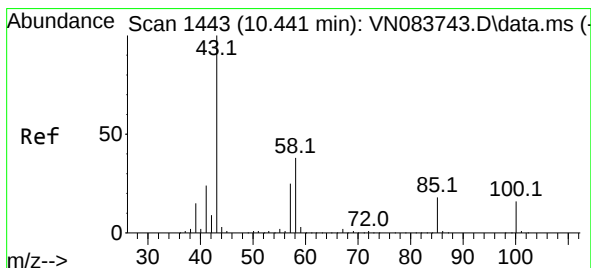
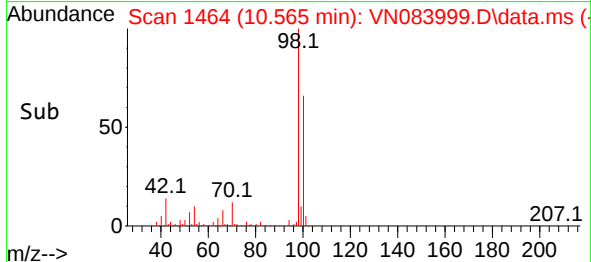
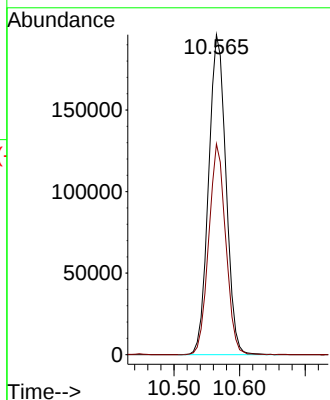
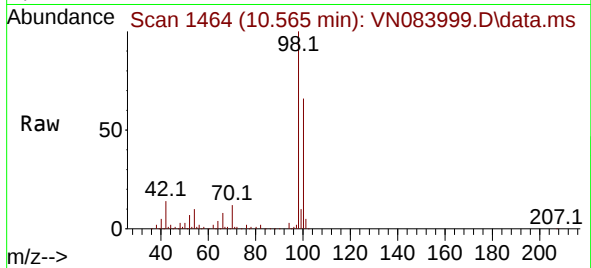




#50
Toluene-d8
Concen: 54.292 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

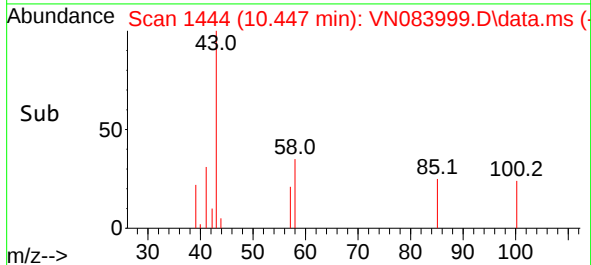
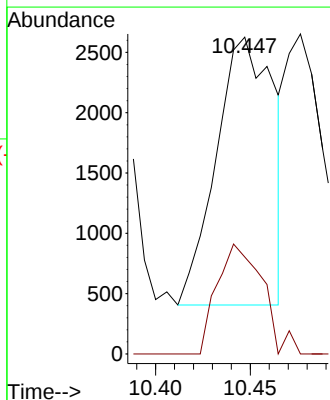
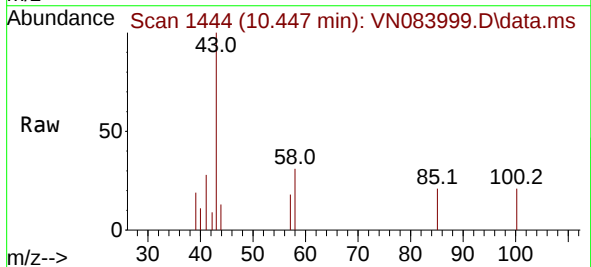
Instrument :
MSVOA_N
ClientSampleId :

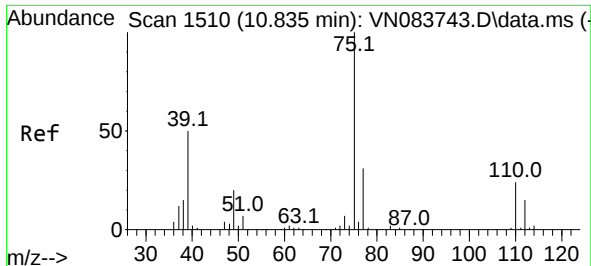
Tgt Ion: 98 Resp: 360653
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.813 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 43 Resp: 4694
Ion Ratio Lower Upper
43 100
58 32.5 31.6 47.4

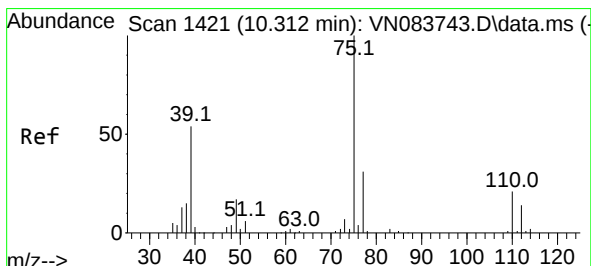
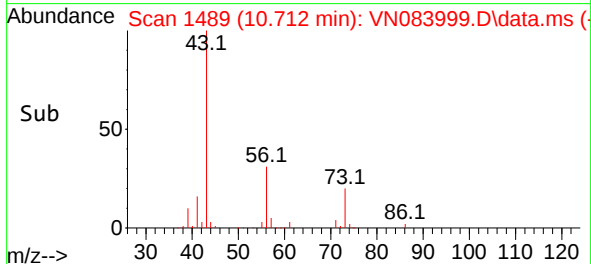
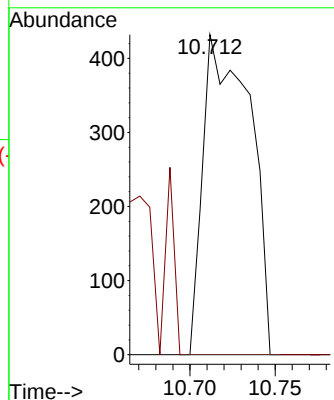
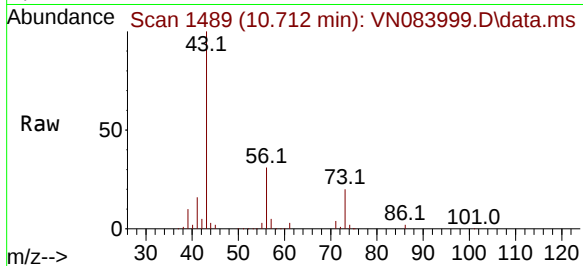




#53
 t-1,3-Dichloropropene
 Concen: 0.256 ug/l
 RT: 10.712 min Scan# 1489
 Delta R.T. -0.124 min
 Lab File: VN083999.D
 Acq: 18 Sep 2024 21:51

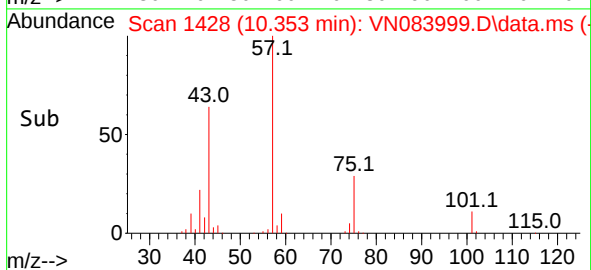
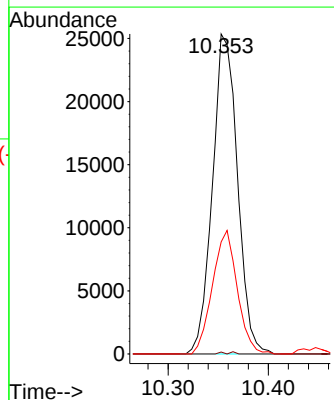
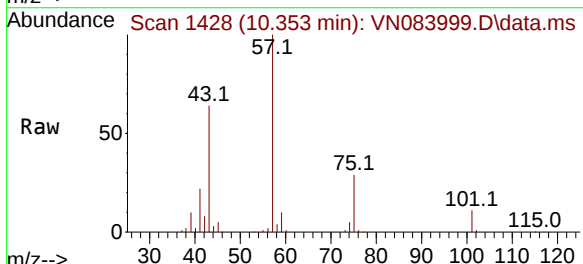
Instrument :
 MSVOA_N
 ClientSampleId :

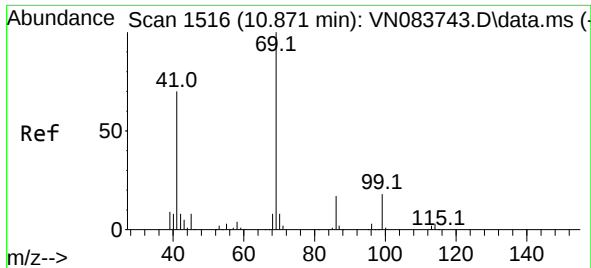
Tgt Ion: 75 Resp: 827
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 12.943 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN083999.D
 Acq: 18 Sep 2024 21:51

Tgt Ion: 75 Resp: 43952
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 35.0 42.6 64.0#

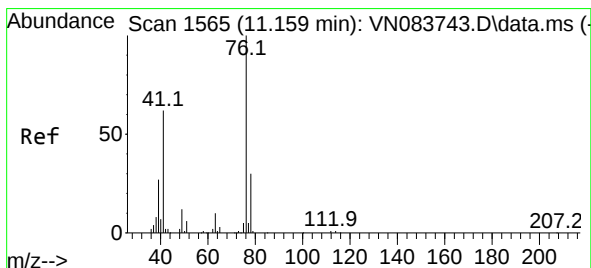
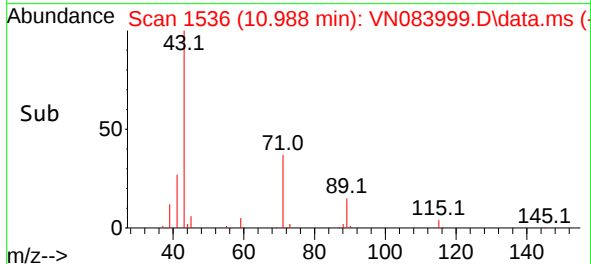
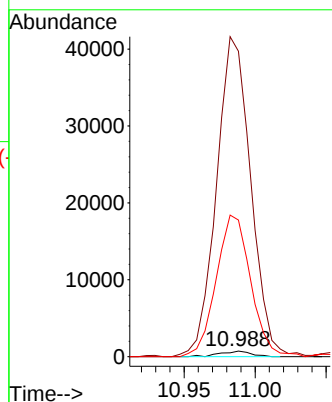
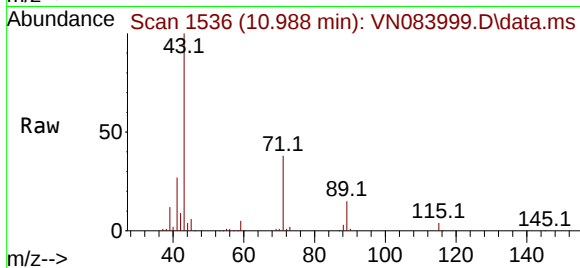




#56
Ethyl methacrylate
Concen: 0.361 ug/l
RT: 10.988 min Scan# 1105
Delta R.T. 0.118 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

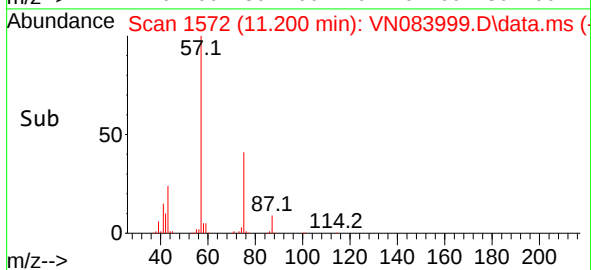
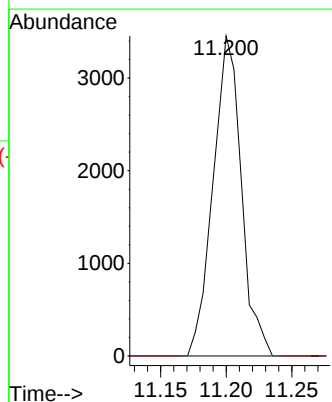
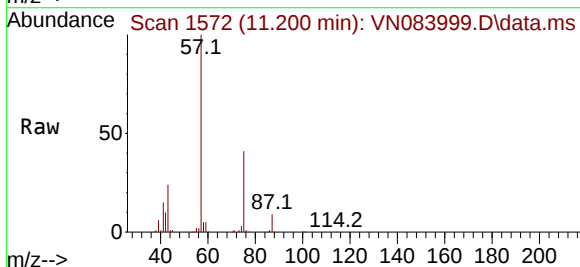
Instrument :
MSVOA_N
ClientSampleId :

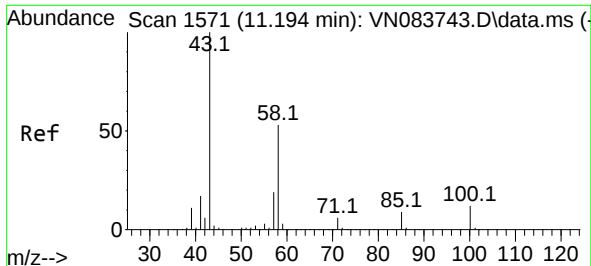
Tgt Ion: 69 Resp: 1105
Ion Ratio Lower Upper
69 100
41 6323.2 53.9 80.9#
39 2812.9 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.512 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 76 Resp: 5164
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

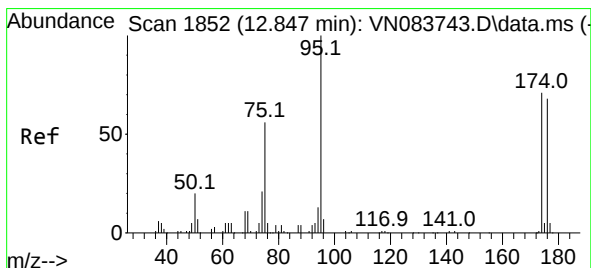
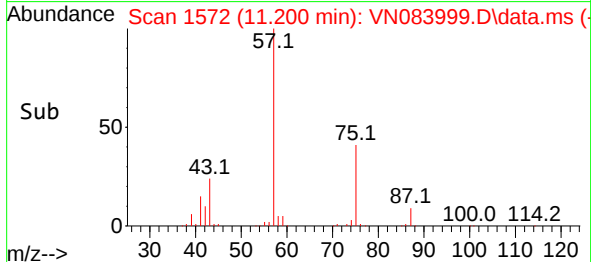
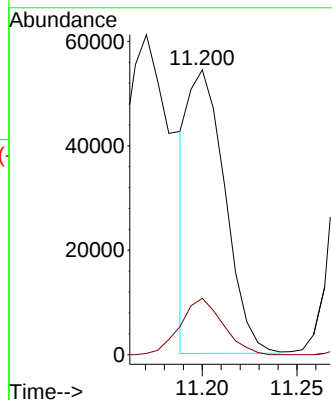
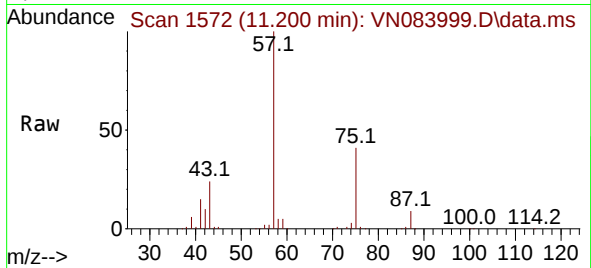




#59
2-Hexanone
Concen: 38.433 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

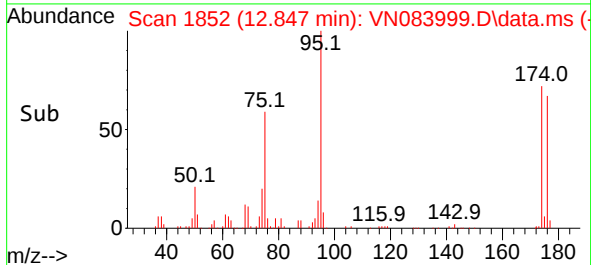
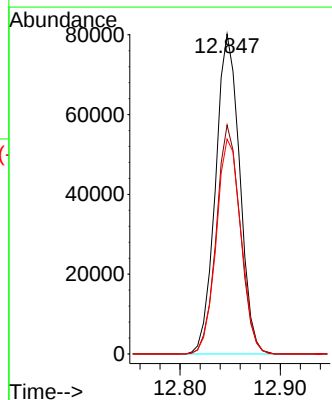
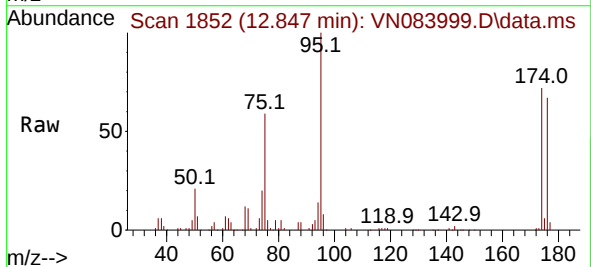
Instrument :
MSVOA_N
ClientSampleId :

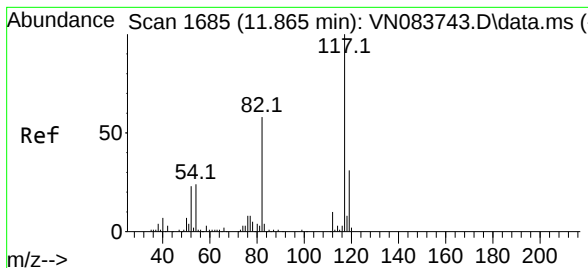
Tgt Ion: 43 Resp: 73623
Ion Ratio Lower Upper
43 100
58 22.9 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 48.948 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 95 Resp: 134148
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 68.7 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

Instrument :

MSVOA_N

ClientSampleId :

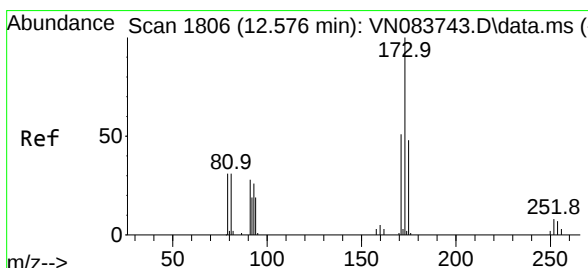
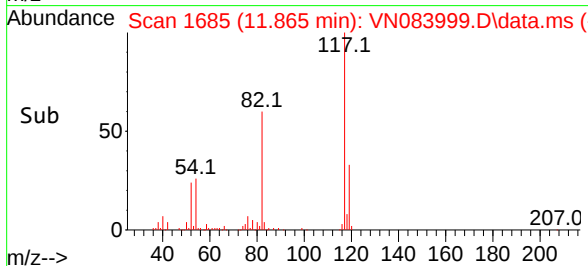
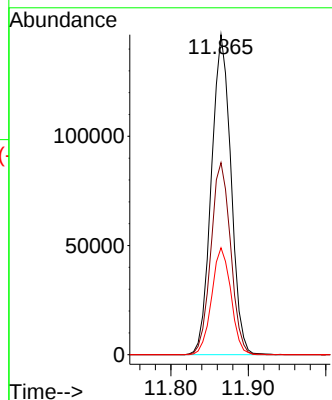
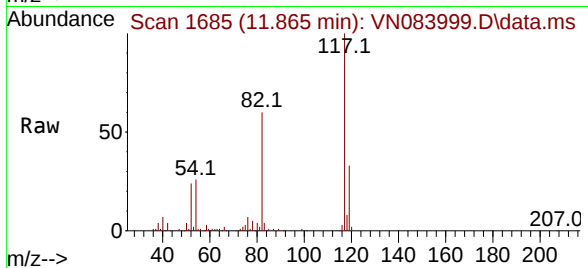
Tgt Ion:117 Resp: 257188

Ion Ratio Lower Upper

117 100

82 60.0 47.4 71.0

119 33.4 26.3 39.5



#71

Bromoform

Concen: 0.484 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN083999.D

Acq: 18 Sep 2024 21:51

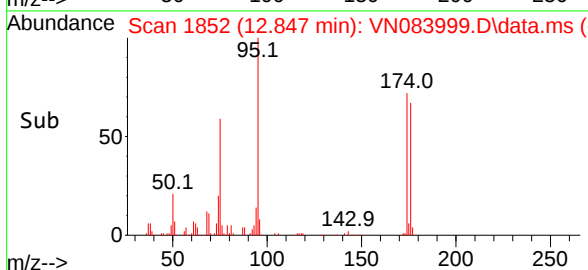
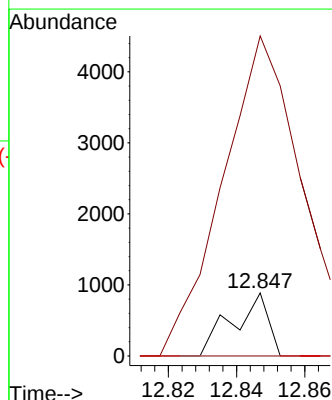
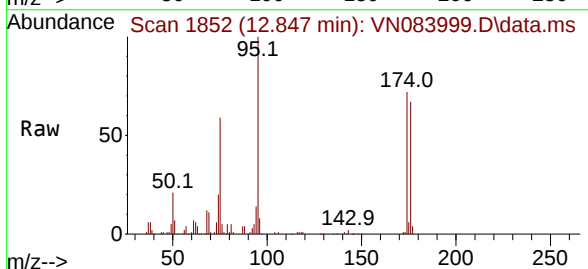
Tgt Ion:173 Resp: 646

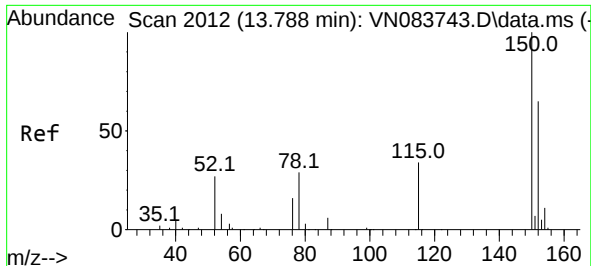
Ion Ratio Lower Upper

173 100

175 863.5 24.1 72.2#

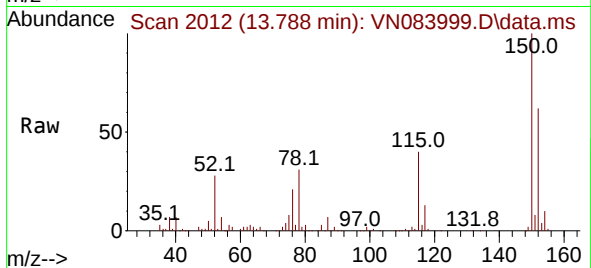
254 0.0 0.0 0.0



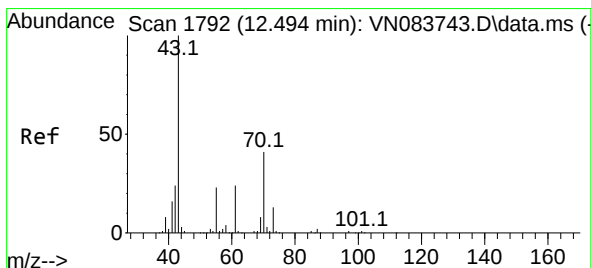
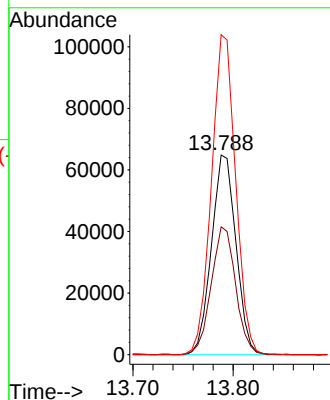
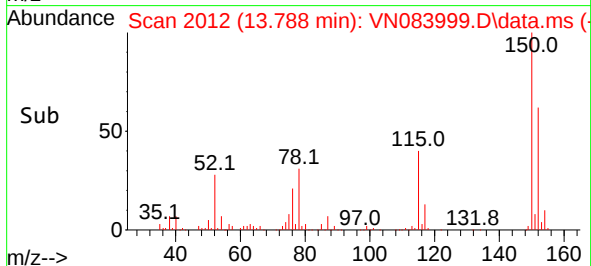


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Instrument :
MSVOA_N
ClientSampleId :

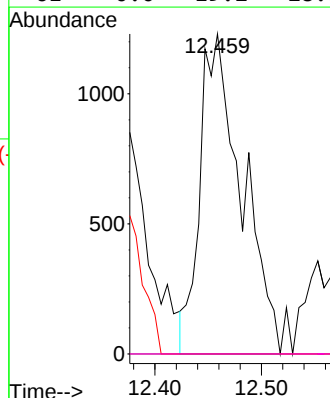
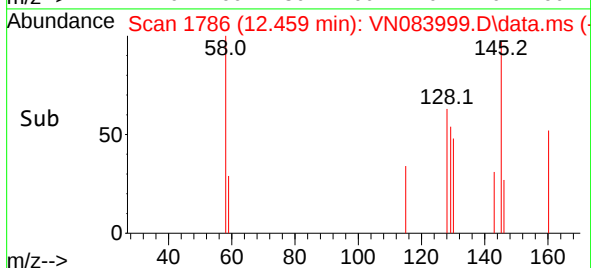
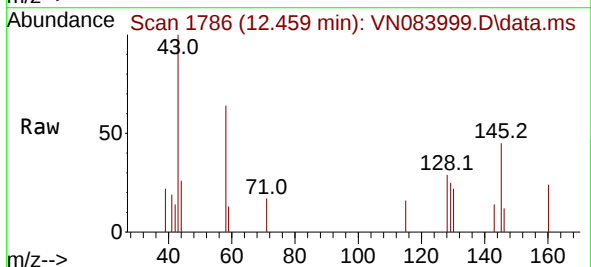


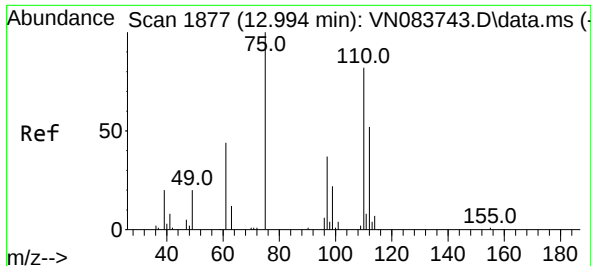
Tgt Ion:152 Resp: 109895
Ion Ratio Lower Upper
152 100
115 64.0 32.2 96.6
150 158.2 0.0 348.6



#74
N-ethyl acetate
Concen: 0.921 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 43 Resp: 3342
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#

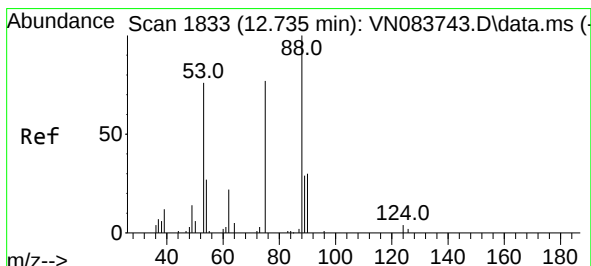
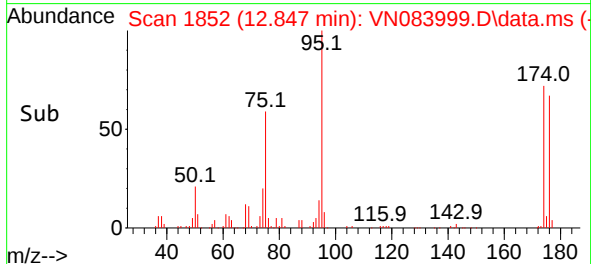
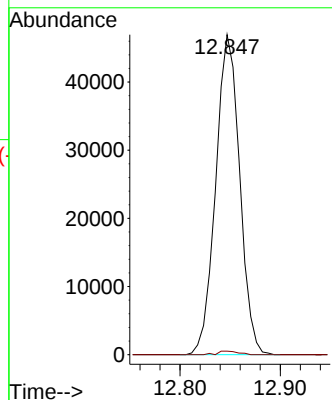
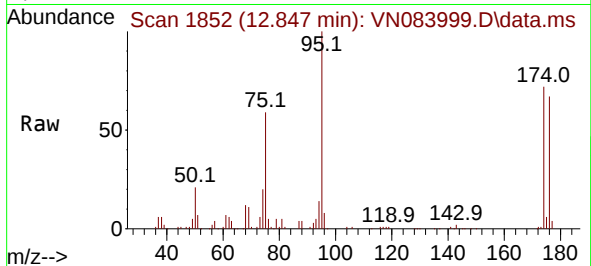




#76
1,2,3-Trichloropropane
Concen: 35.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 77848
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.947 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083999.D
Acq: 18 Sep 2024 21:51

Tgt Ion: 75 Resp: 77848
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

