

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083988.D
 Acq On : 18 Sep 2024 17:27
 Operator : JC\MD
 Sample : PB163447ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:37:33 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	168591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128848	50.685	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.380%			
35) Dibromofluoromethane	8.165	113	90583	48.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.460%			
50) Toluene-d8	10.565	98	346048	53.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.847	95	122297	46.129	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.260%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	166	Below Cal	#	41
11) Tert butyl alcohol	5.518	59	733	2.153	ug/l #	71
16) Acetone	4.436	43	22510	22.089	ug/l	96
18) Methyl Acetate	5.036	43	1627	Below Cal	#	58
20) Methylene Chloride	5.277	84	6426	3.081	ug/l	94
25) 2-Butanone	7.488	43	5343	3.989	ug/l	96
29) Tetrahydrofuran	7.853	42	230	0.290	ug/l #	32
31) Cyclohexane	8.218	56	4942	1.345	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	16212	5.795	ug/l #	51
37) Ethyl Acetate	7.559	43	3550	1.398	ug/l #	82
38) Carbon Tetrachloride	8.224	117	19147	6.032	ug/l #	16
43) Isopropyl Acetate	8.688	43	199209	43.288	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1403	0.689	ug/l #	42
48) Methyl methacrylate	9.665	41	4217	1.931	ug/l #	43
51) 4-Methyl-2-Pentanone	10.453	43	4681	1.869	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	47149	14.353	ug/l #	63
56) Ethyl methacrylate	10.982	69	906	0.306	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5778	1.748	ug/l #	42
59) 2-Hexanone	11.200	43	76839	41.466	ug/l #	55
68) m/p-Xylenes	12.065	106	1006	0.280	ug/l	93
71) Bromoform	12.847	173	564	0.443	ug/l #	1
74) N-amyl acetate	12.459	43	1110	0.327	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	69457	33.438	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69457	87.577	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	1725	0.256	ug/l	97
85) sec-Butylbenzene	13.482	105	1725	0.221	ug/l #	57

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

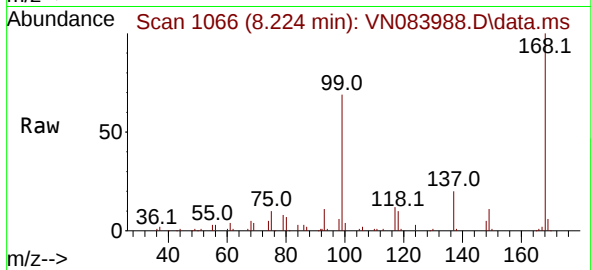
Quant Time: Sep 19 01:37:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



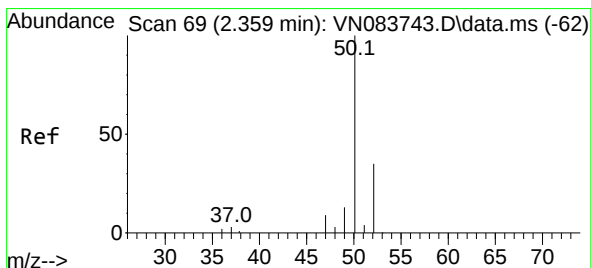
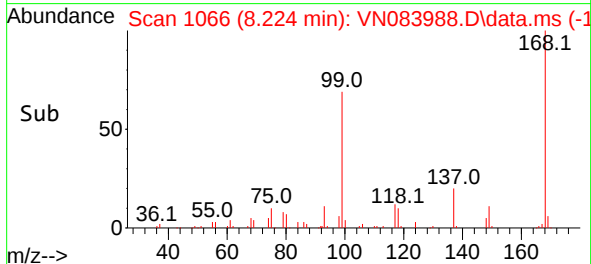
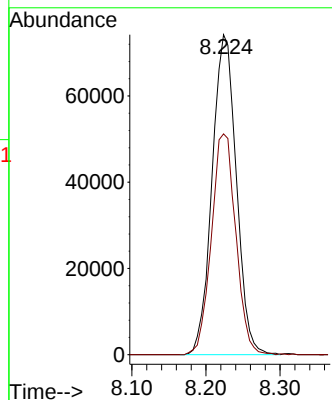


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

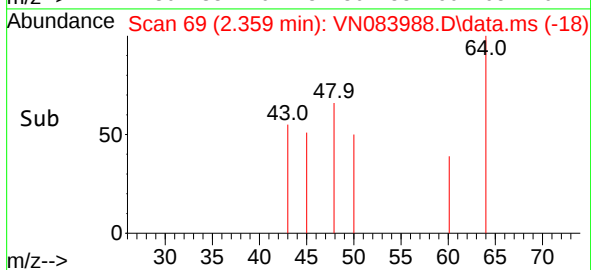
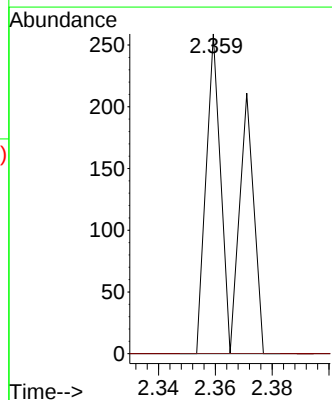
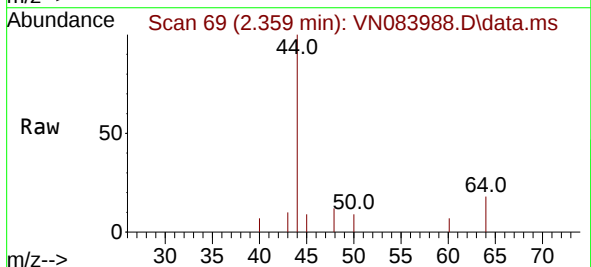


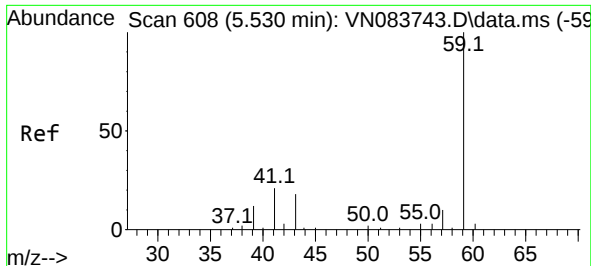
Tgt Ion:168 Resp: 168591
Ion Ratio Lower Upper
168 100
99 69.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 50 Resp: 166
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#11

Tert butyl alcohol

Concen: 2.153 ug/l

RT: 5.518 min Scan# 608

Delta R.T. -0.012 min

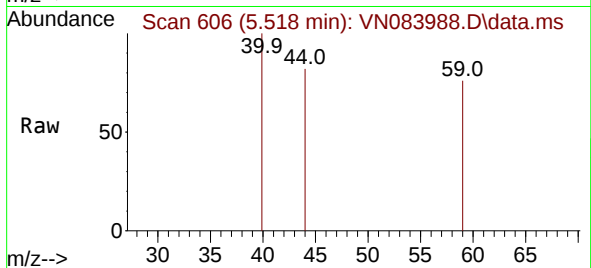
Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

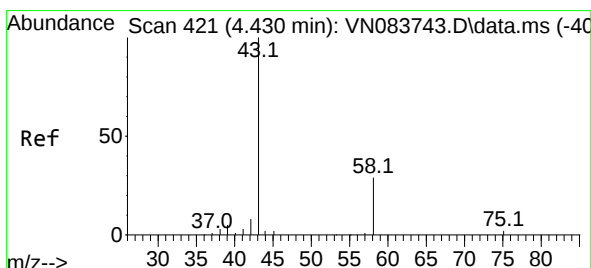
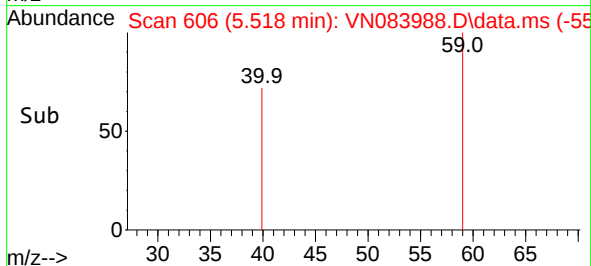
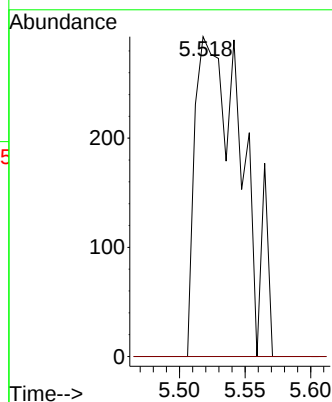


Tgt Ion: 59 Resp: 733

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 22.089 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN083988.D

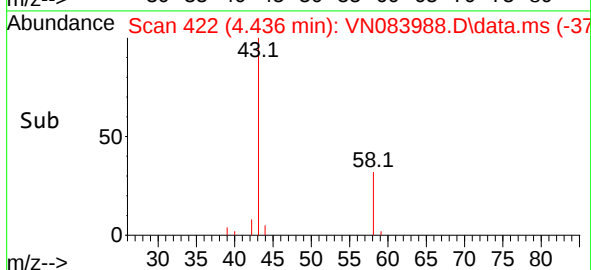
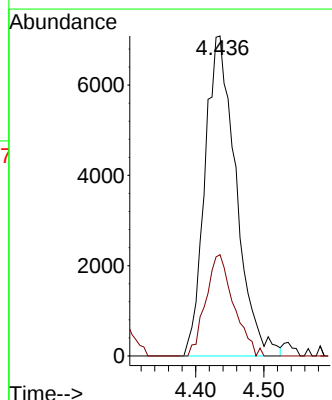
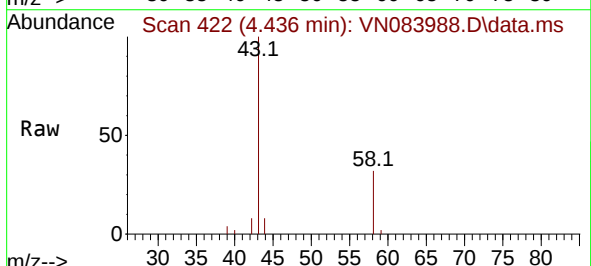
Acq: 18 Sep 2024 17:27

Tgt Ion: 43 Resp: 22510

Ion Ratio Lower Upper

43 100

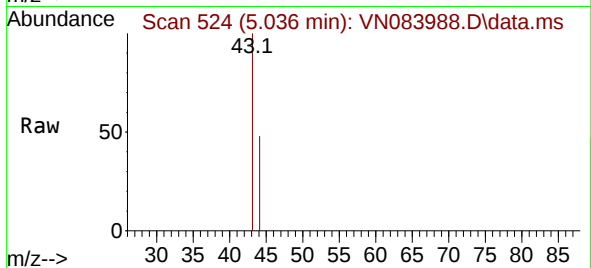
58 31.7 23.7 35.5



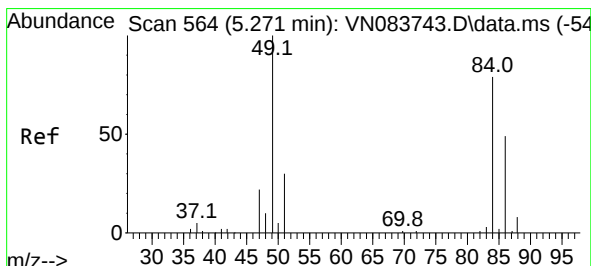
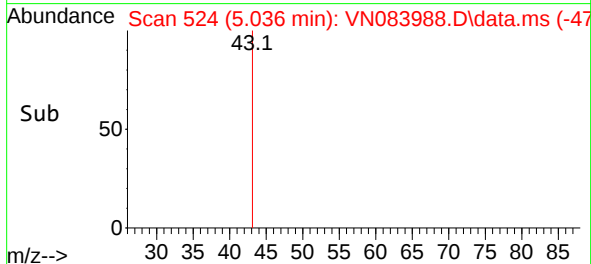
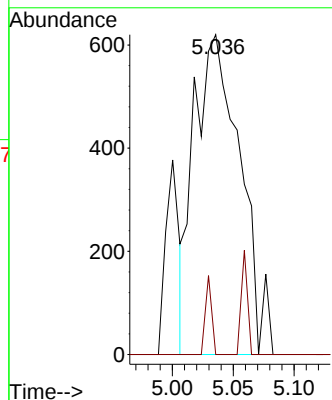


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

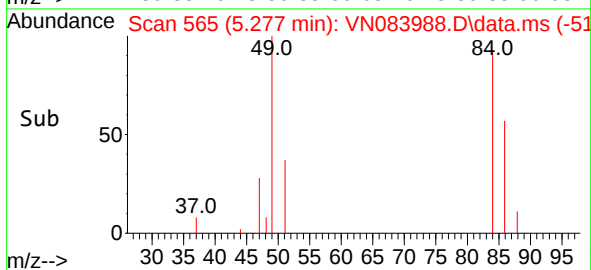
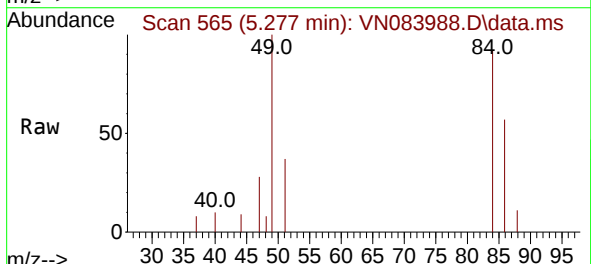
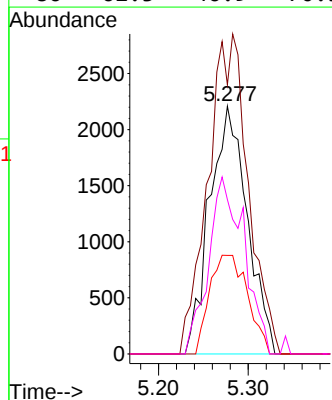


Tgt Ion: 43 Resp: 1627
Ion Ratio Lower Upper
43 100
74 3.3 19.0 28.4#



#20
Methylene Chloride
Concen: 3.081 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 84 Resp: 6426
Ion Ratio Lower Upper
84 100
49 108.6 93.4 140.0
51 39.8 29.2 43.8
86 62.3 46.9 70.3





#25

2-Butanone

Concen: 3.989 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

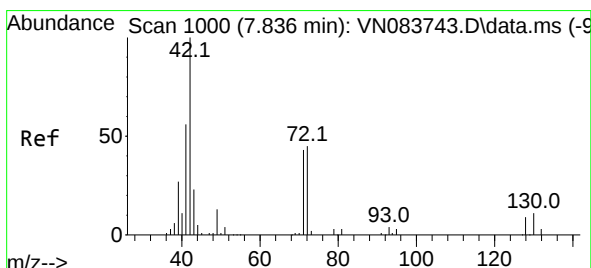
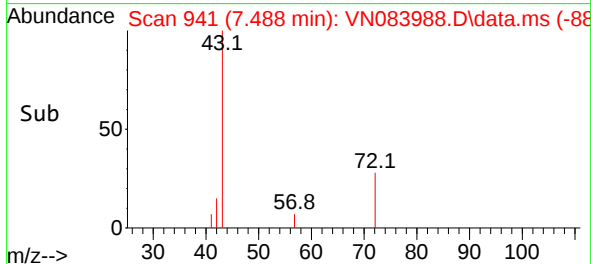
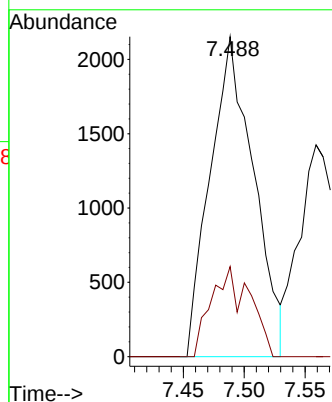
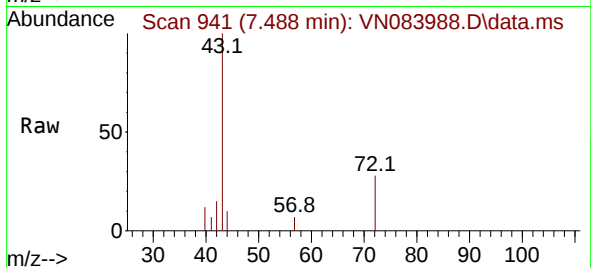
ClientSampleId :

Tgt Ion: 43 Resp: 5343

Ion Ratio Lower Upper

43 100

72 28.1 20.8 31.2



#29

Tetrahydrofuran

Concen: 0.290 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

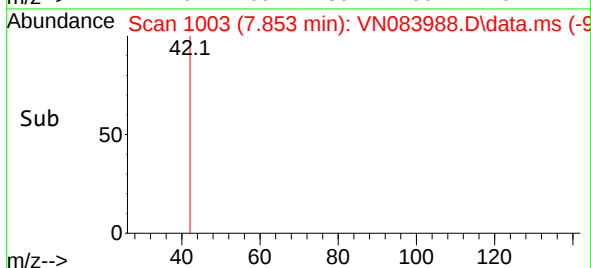
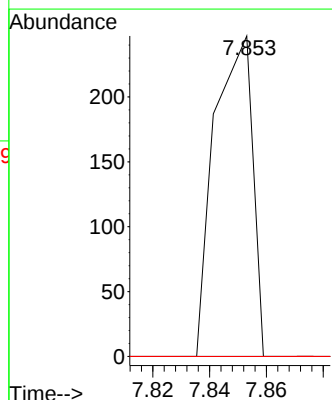
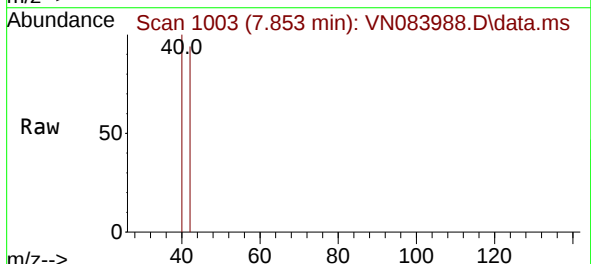
Tgt Ion: 42 Resp: 230

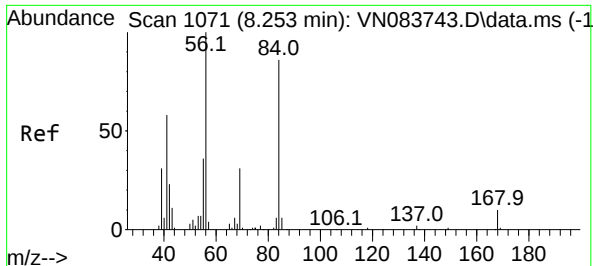
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

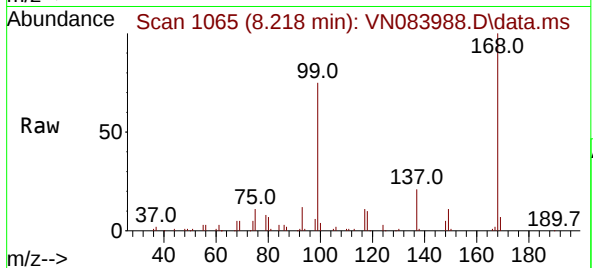
71 0.0 33.9 50.9#



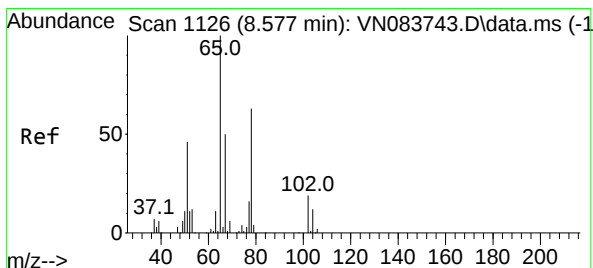
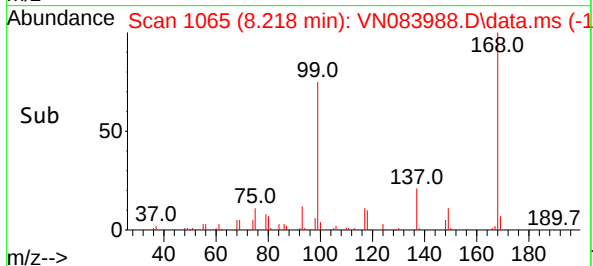
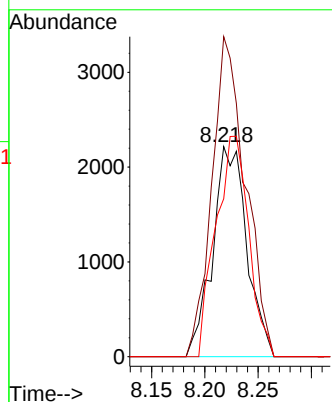


#31
Cyclohexane
Concen: 1.345 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

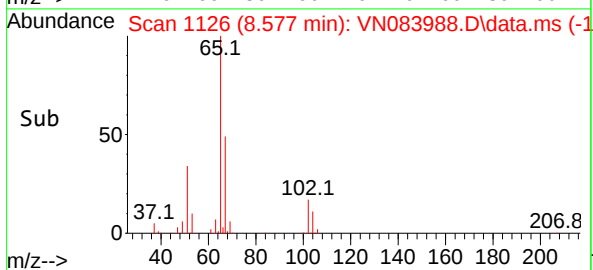
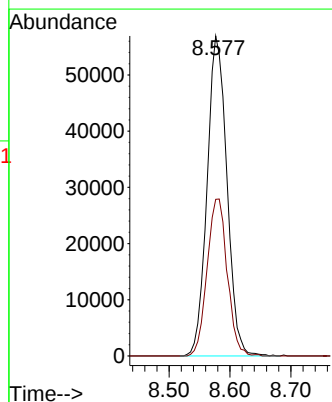
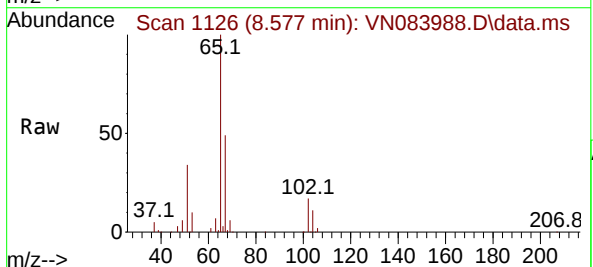


Tgt Ion: 56 Resp: 4942
Ion Ratio Lower Upper
56 100
69 152.3 26.9 40.3#
84 75.2 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 50.685 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 65 Resp: 128848
Ion Ratio Lower Upper
65 100
67 49.9 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: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

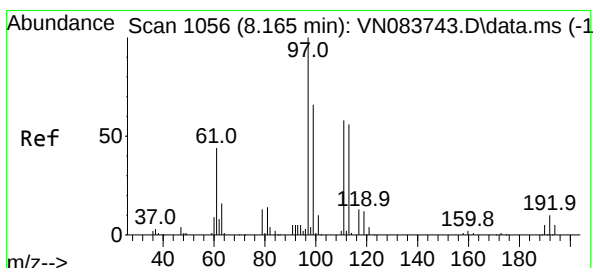
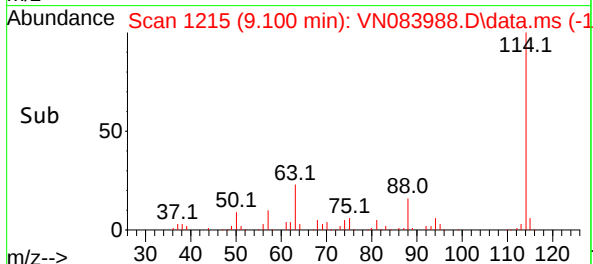
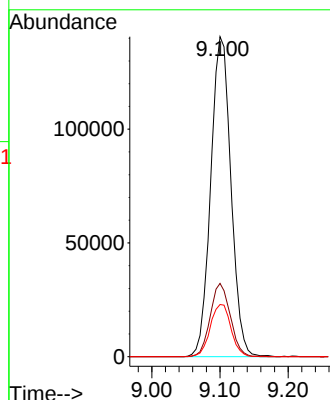
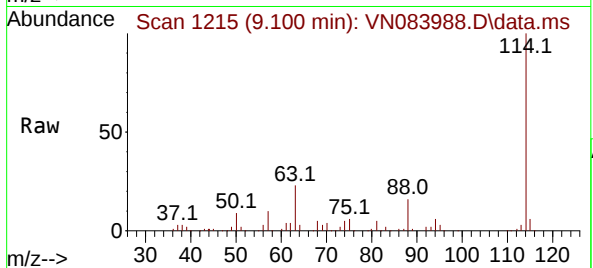
Tgt Ion:114 Resp: 290349

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.733 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

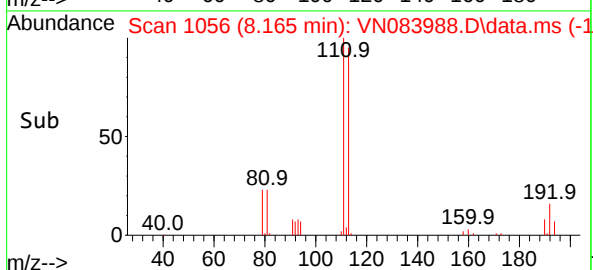
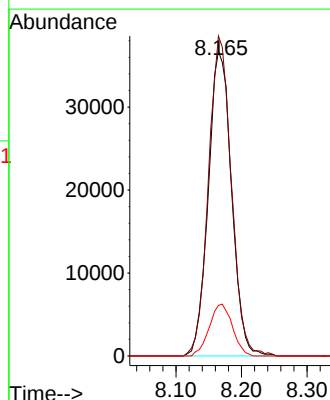
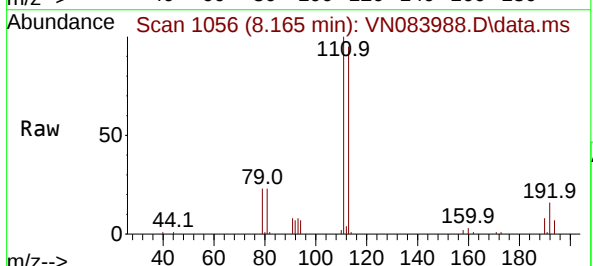
Tgt Ion:113 Resp: 90583

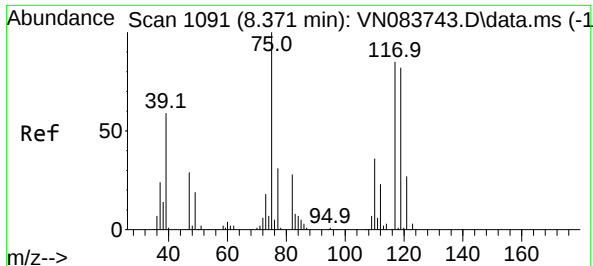
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.795 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

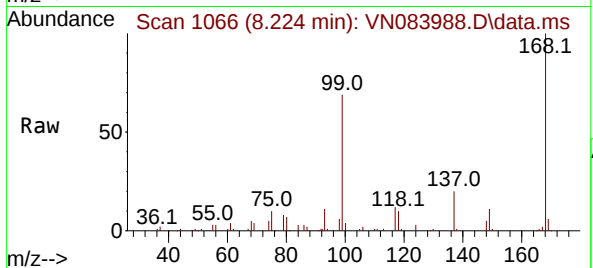
Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

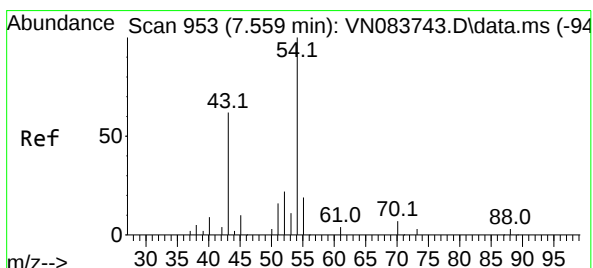
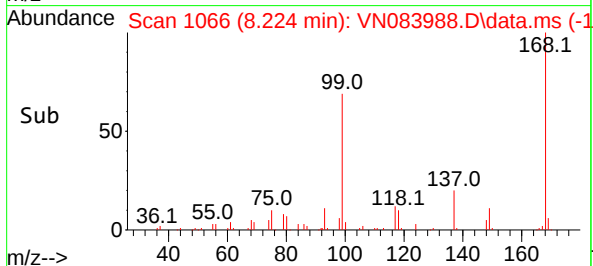
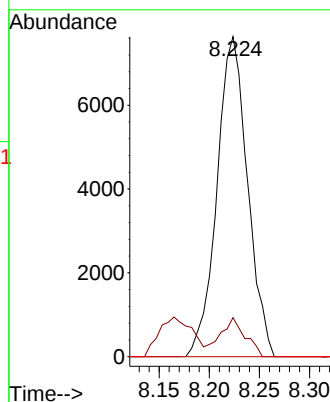
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16212
Ion Ratio	Lower	Upper	
75	100		
110	10.1	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 1.398 ug/l

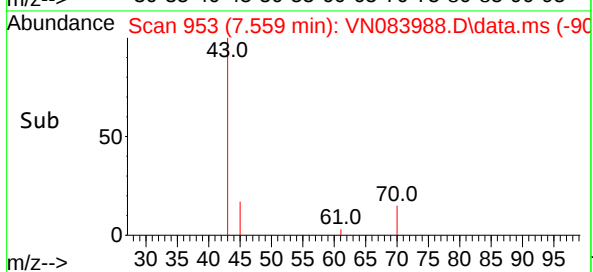
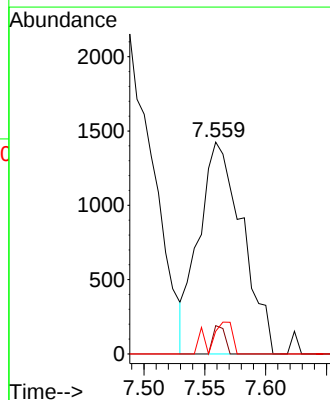
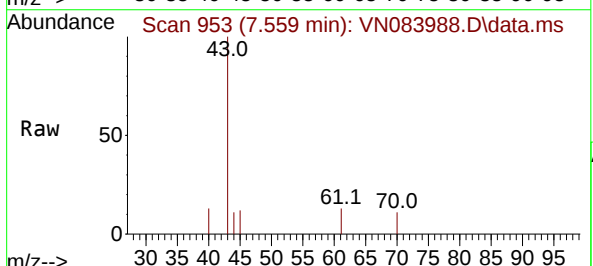
RT: 7.559 min Scan# 953

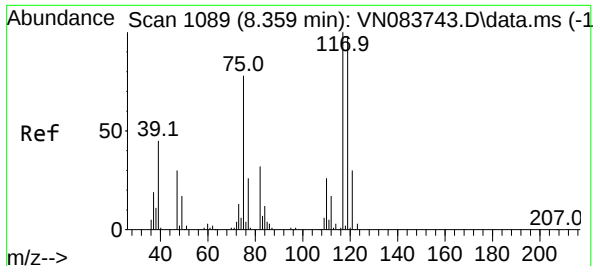
Delta R.T. -0.000 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

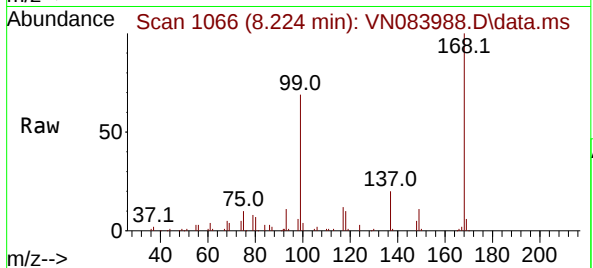
Tgt Ion:	43	Resp:	3550
Ion Ratio	Lower	Upper	
43	100		
61	3.6	11.1	16.7#
70	7.5	8.8	13.2#



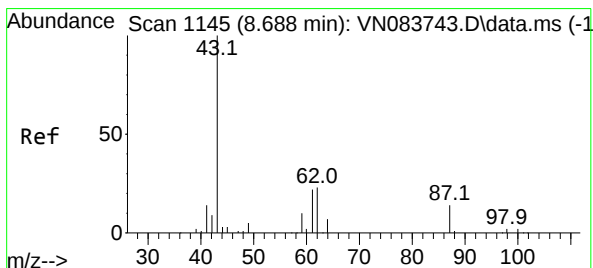
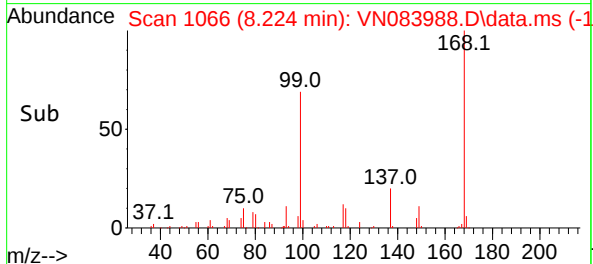
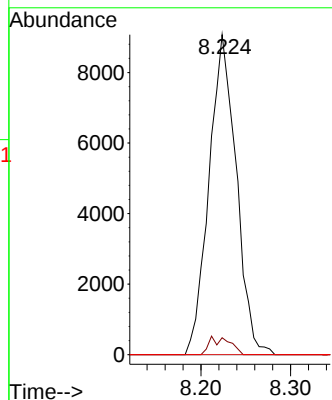


#38
Carbon Tetrachloride
Concen: 6.032 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

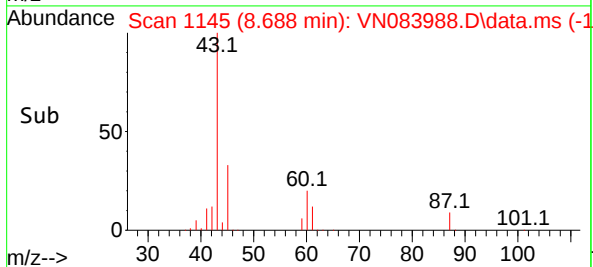
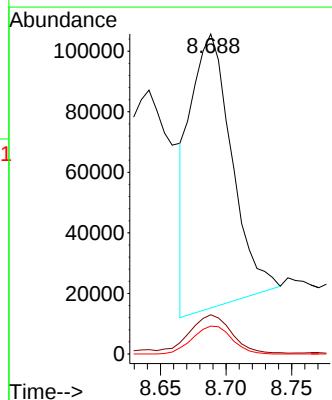
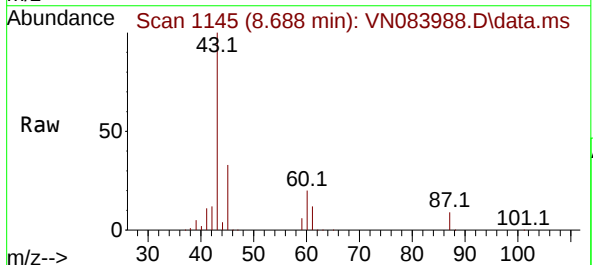


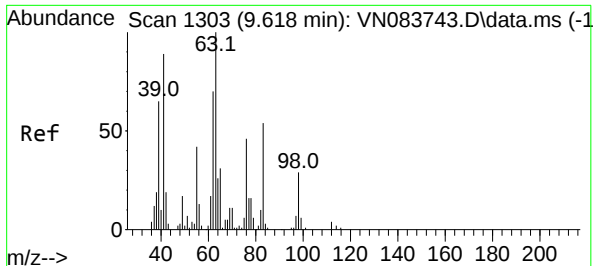
Tgt Ion:117 Resp: 19147
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 43.288 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 43 Resp: 199209
Ion Ratio Lower Upper
43 100
61 16.0 19.4 29.0#
87 9.6 9.8 14.6#

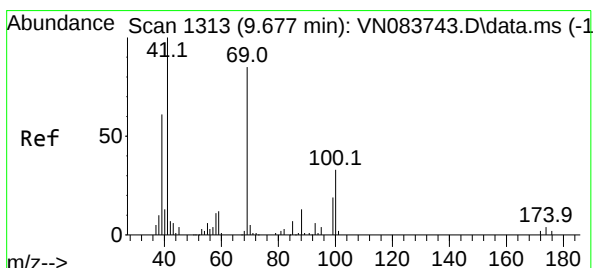
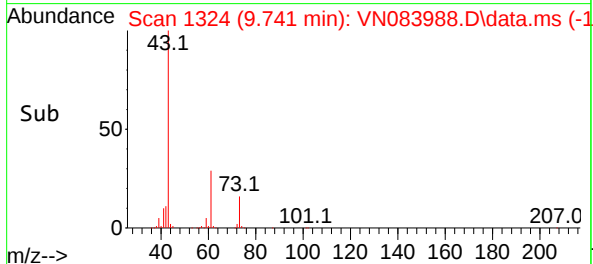
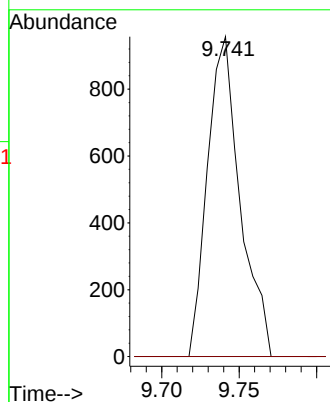
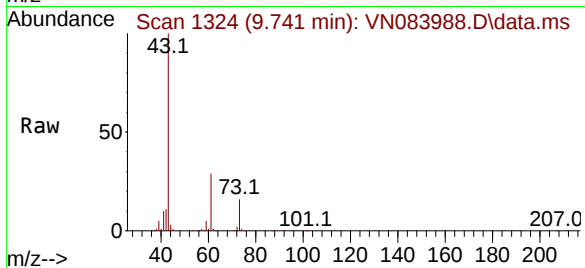




#45
1,2-Dichloropropane
Concen: 0.689 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

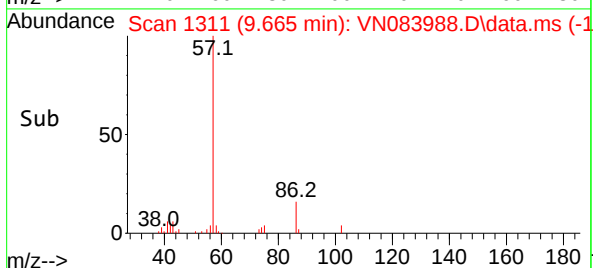
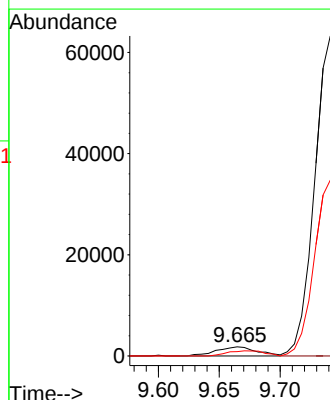
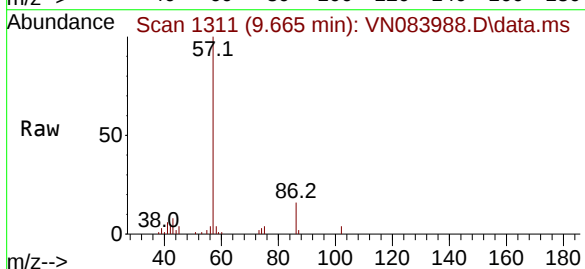
Instrument :
MSVOA_N
ClientSampleId :

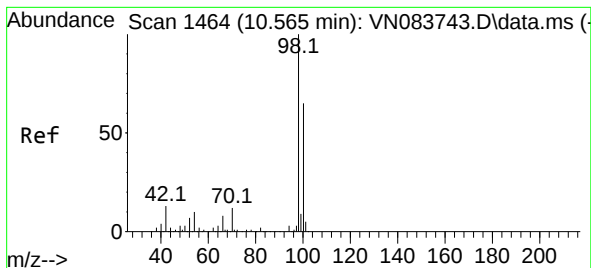
Tgt Ion: 63 Resp: 1403
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 1.931 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 41 Resp: 4217
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 51.2 48.9 73.3





#50

Toluene-d8

Concen: 53.852 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

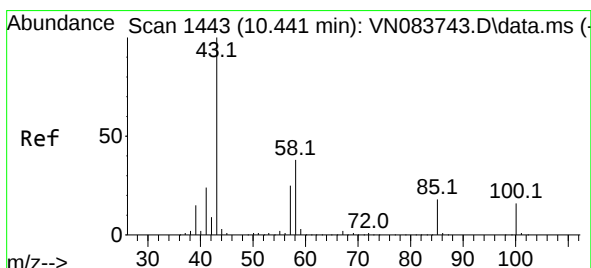
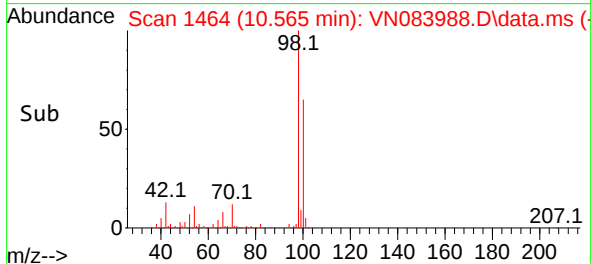
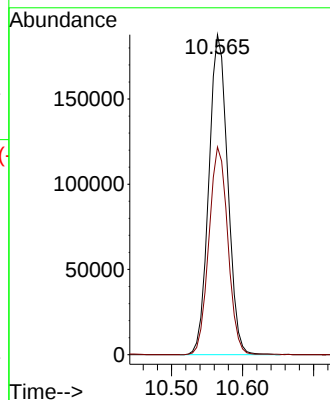
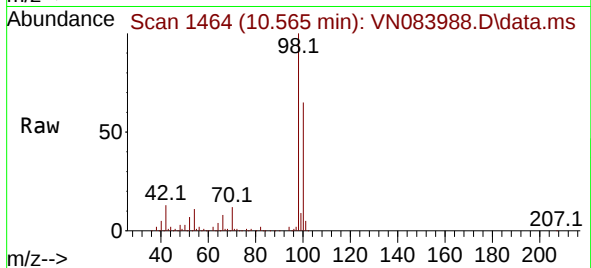
ClientSampleId :

Tgt Ion: 98 Resp: 346048

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.869 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.012 min

Lab File: VN083988.D

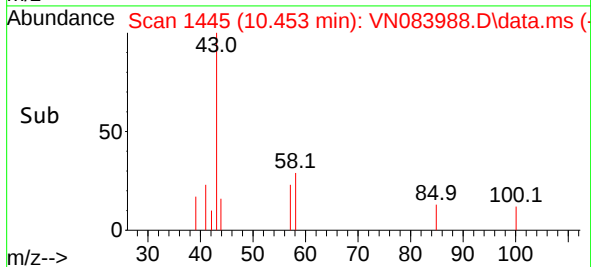
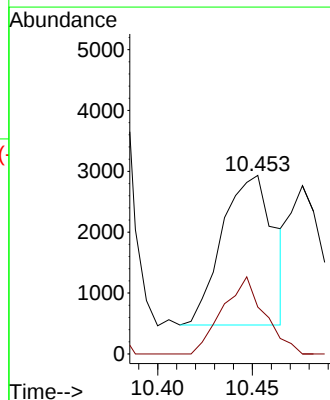
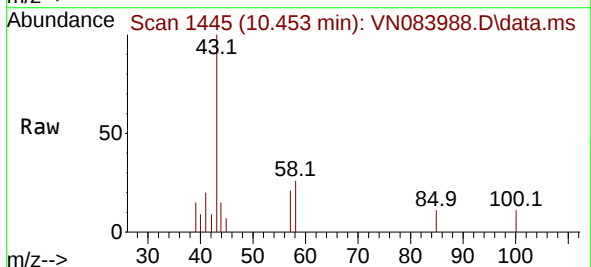
Acq: 18 Sep 2024 17:27

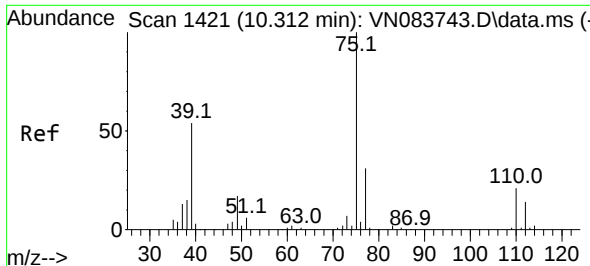
Tgt Ion: 43 Resp: 4681

Ion Ratio Lower Upper

43 100

58 41.6 31.6 47.4

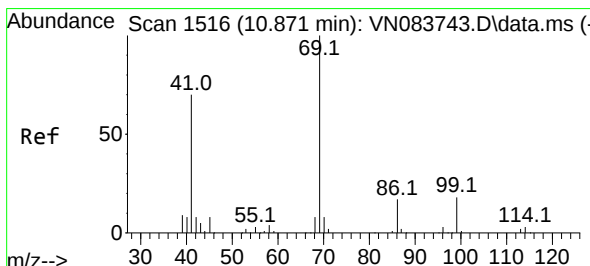
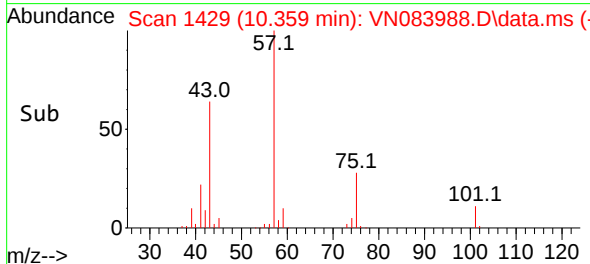
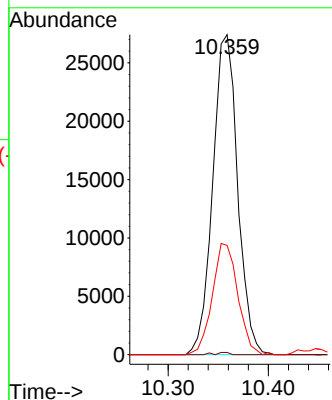
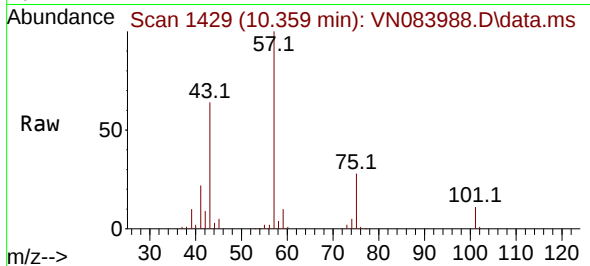




#54
 cis-1,3-Dichloropropene
 Concen: 14.353 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083988.D
 Acq: 18 Sep 2024 17:27

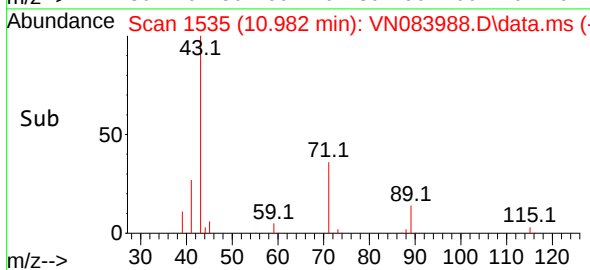
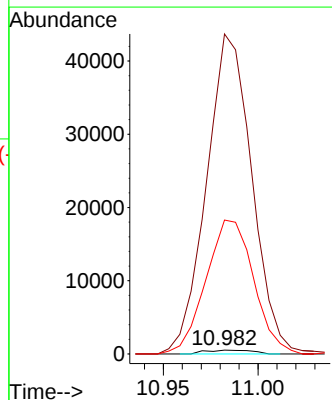
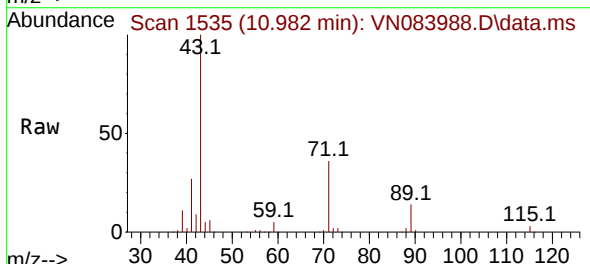
Instrument :
 MSVOA_N
 ClientSampleId :

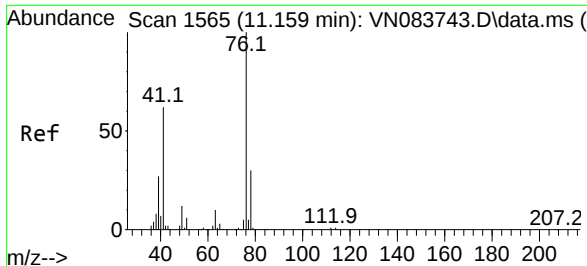
Tgt Ion: 75 Resp: 47149
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 34.1 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.306 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083988.D
 Acq: 18 Sep 2024 17:27

Tgt Ion: 69 Resp: 906
 Ion Ratio Lower Upper
 69 100
 41 8071.2 53.9 80.9#
 39 3541.2 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.748 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

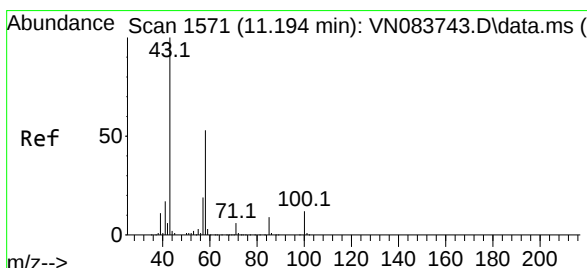
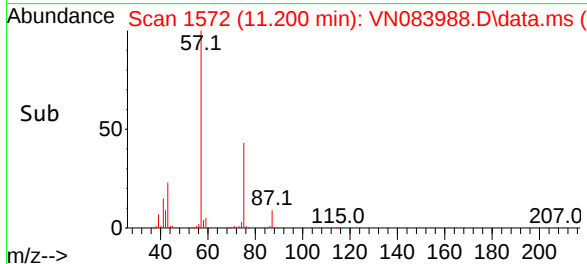
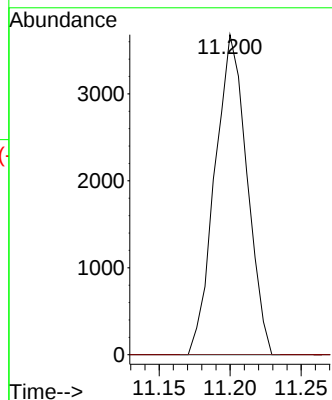
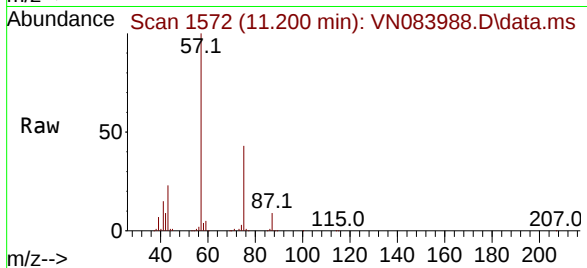
ClientSampleId :

Tgt Ion: 76 Resp: 5778

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 41.466 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083988.D

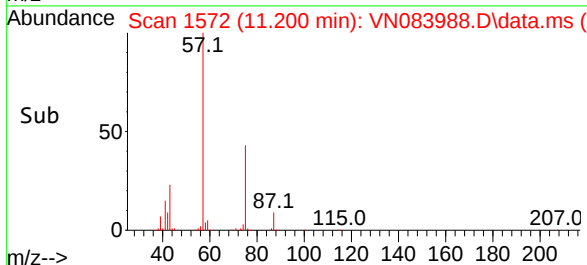
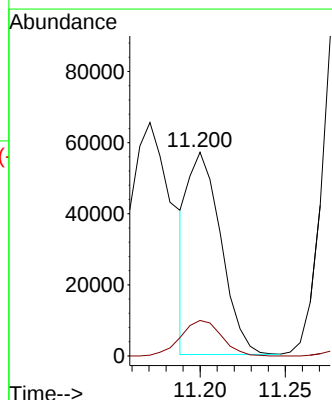
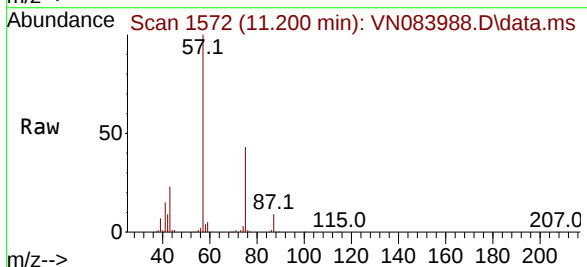
Acq: 18 Sep 2024 17:27

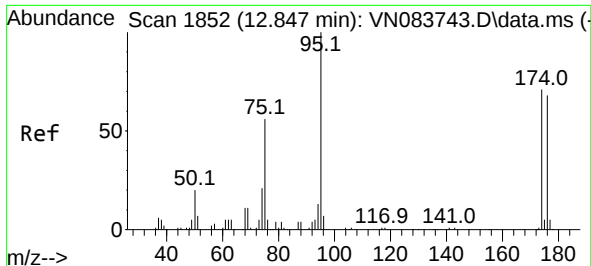
Tgt Ion: 43 Resp: 76839

Ion Ratio Lower Upper

43 100

58 21.7 27.2 81.5#

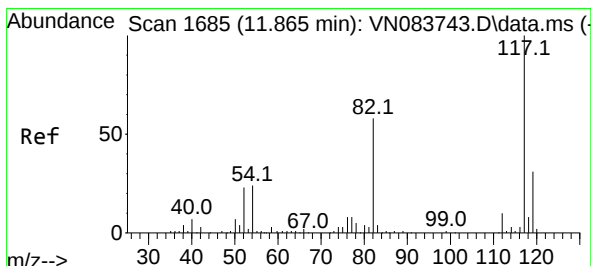
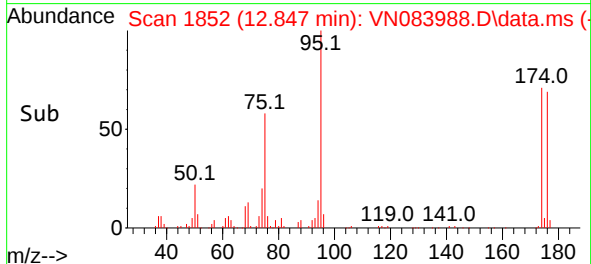
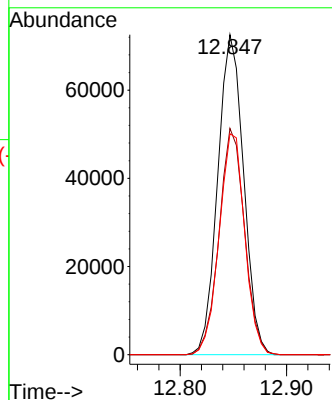
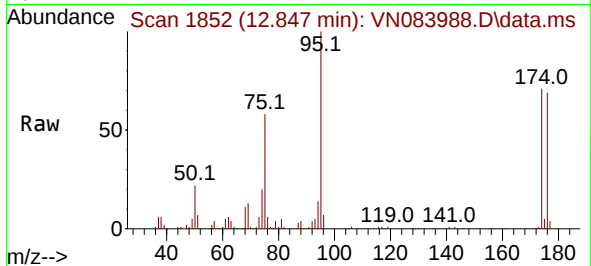




#62
4-Bromofluorobenzene
Concen: 46.129 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

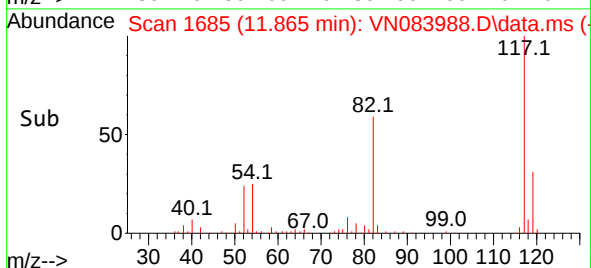
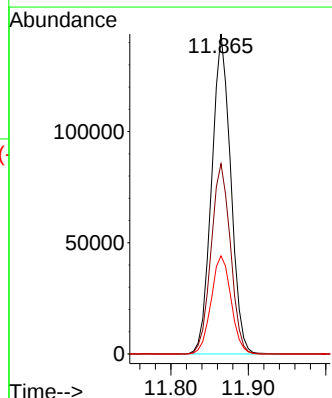
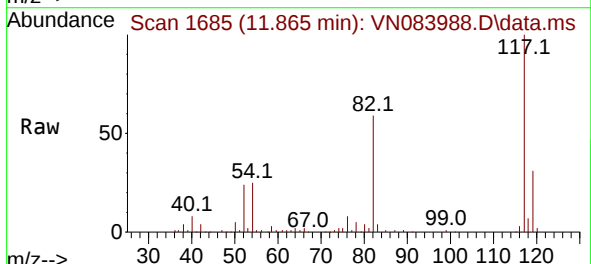
Instrument :
MSVOA_N
ClientSampleId :

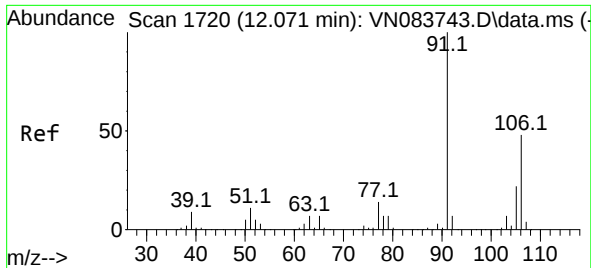
Tgt Ion: 95 Resp: 122297
Ion Ratio Lower Upper
95 100
174 69.7 0.0 139.8
176 68.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 117 Resp: 245393
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.0
119 30.6 26.3 39.5

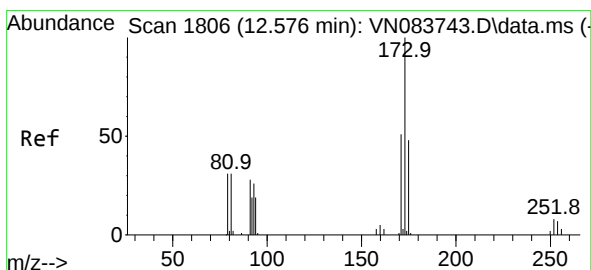
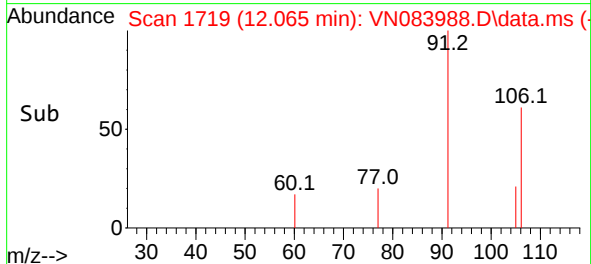
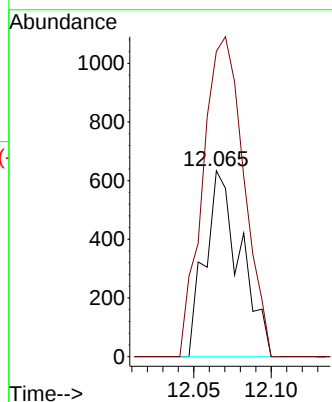
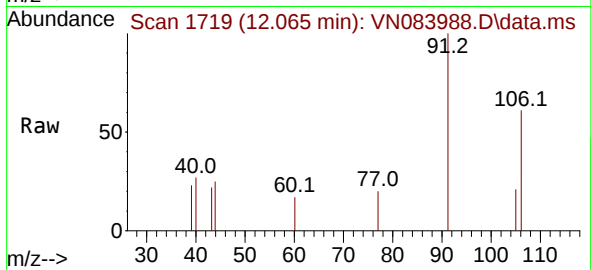




#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

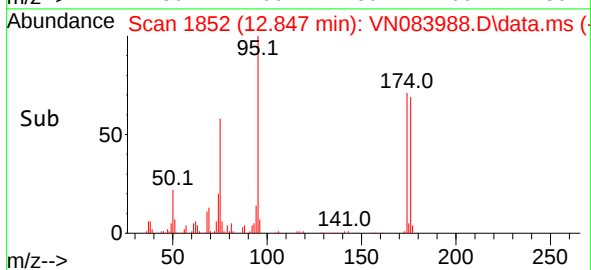
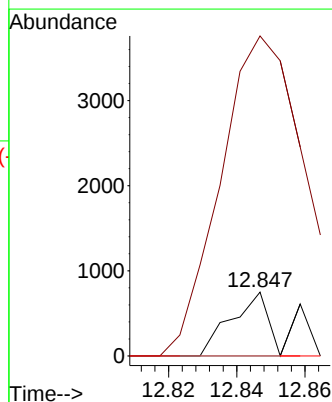
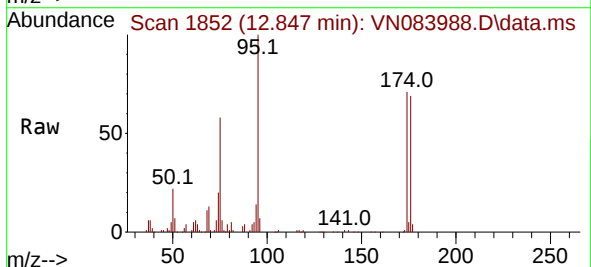
Instrument :
MSVOA_N
ClientSampleId :

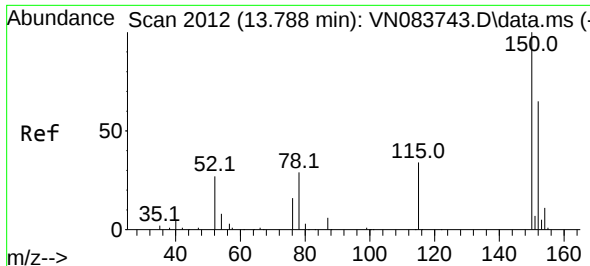
Tgt Ion:106 Resp: 1006
Ion Ratio Lower Upper
106 100
91 200.1 169.2 253.8



#71
Bromoform
Concen: 0.443 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

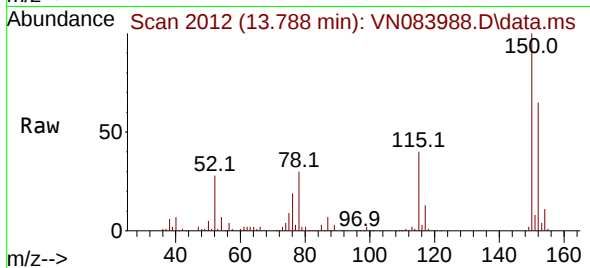
Tgt Ion:173 Resp: 564
Ion Ratio Lower Upper
173 100
175 868.8 24.1 72.2#
254 0.0 0.0 0.0



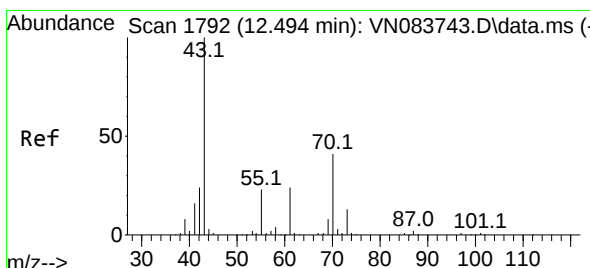
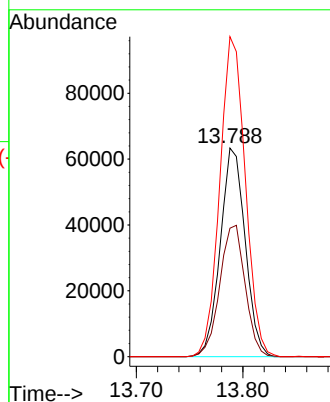
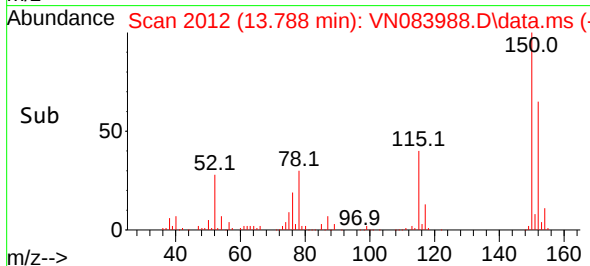


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083988.D
 Acq: 18 Sep 2024 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

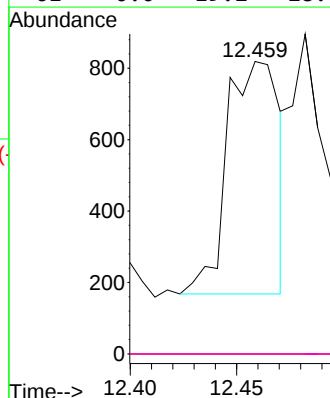
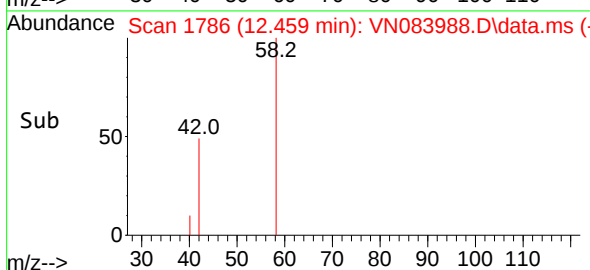
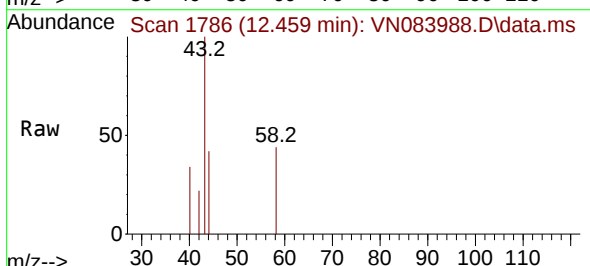


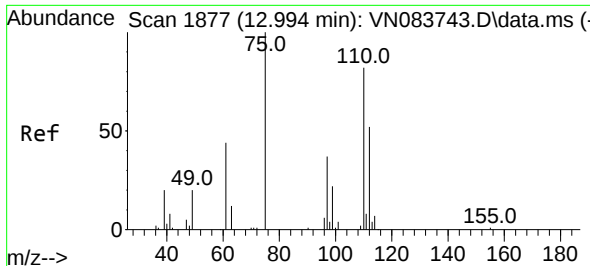
Tgt Ion:152 Resp: 102943
 Ion Ratio Lower Upper
 152 100
 115 64.2 32.2 96.6
 150 156.9 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.327 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN083988.D
 Acq: 18 Sep 2024 17:27

Tgt Ion: 43 Resp: 1110
 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#

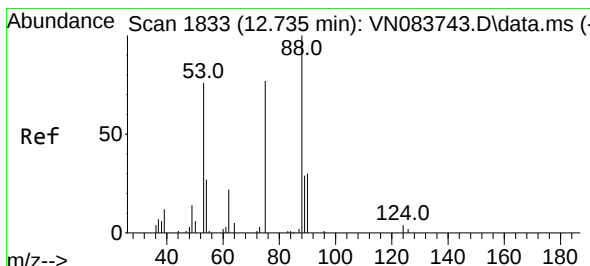
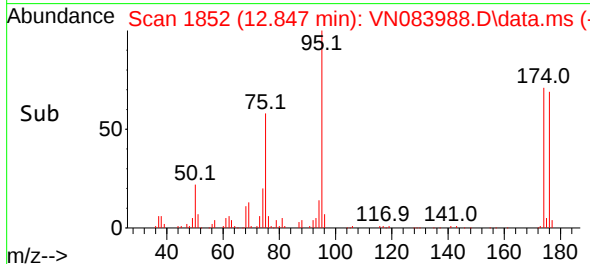
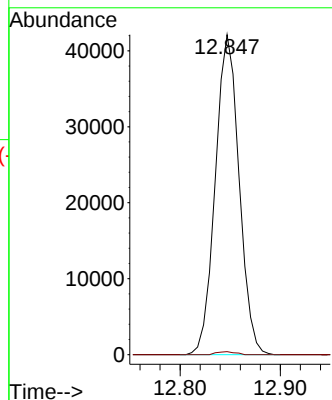
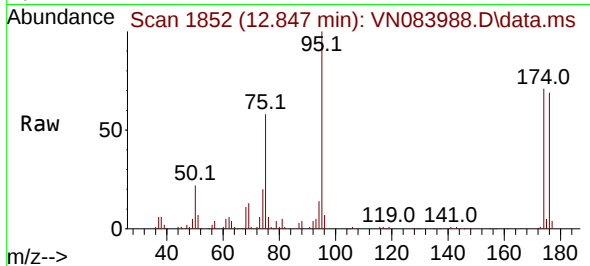




#76
1,2,3-Trichloropropane
Concen: 33.438 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

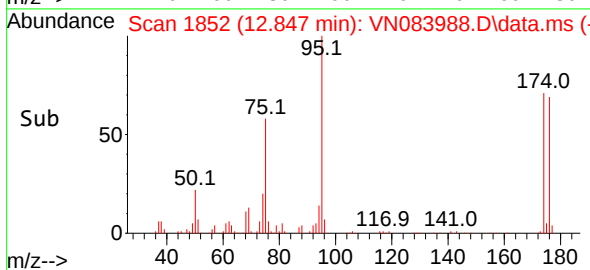
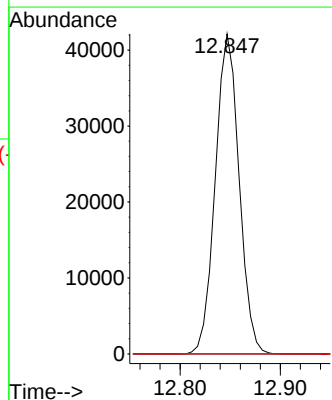
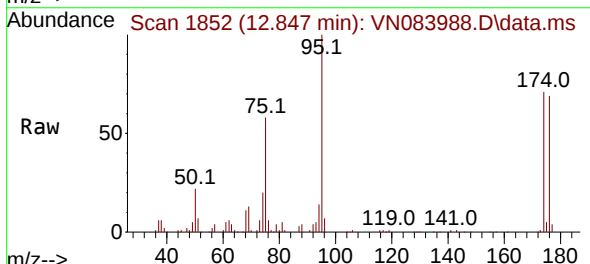
Instrument :
MSVOA_N
ClientSampleId :

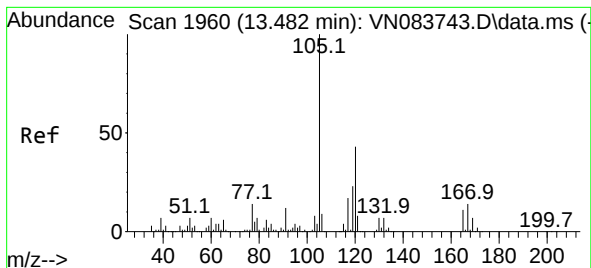
Tgt Ion: 75 Resp: 69457
Ion Ratio Lower Upper
75 100
77 0.7 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.577 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083988.D
Acq: 18 Sep 2024 17:27

Tgt Ion: 75 Resp: 69457
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.256 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Instrument :

MSVOA_N

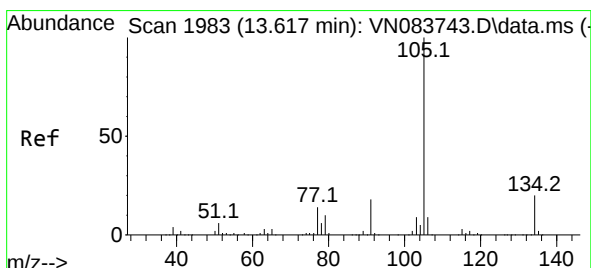
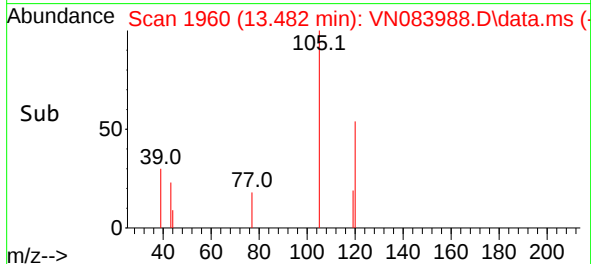
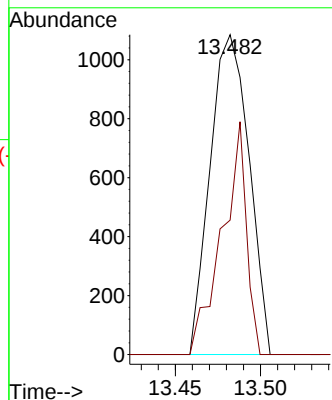
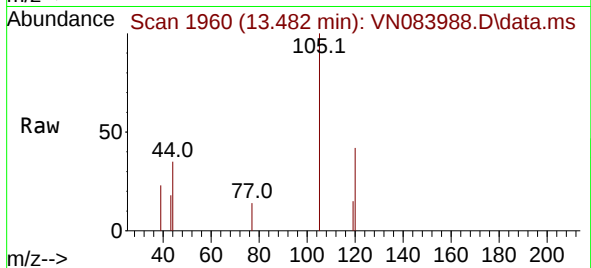
ClientSampleId :

Tgt Ion:105 Resp: 1725

Ion Ratio Lower Upper

105 100

120 45.4 21.8 65.4



#85

sec-Butylbenzene

Concen: 0.221 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN083988.D

Acq: 18 Sep 2024 17:27

Tgt Ion:105 Resp: 1725

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#

