

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083773.D
 Acq On : 11 Sep 2024 05:38
 Operator : JC\MD
 Sample : PB163204ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 06:14:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

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

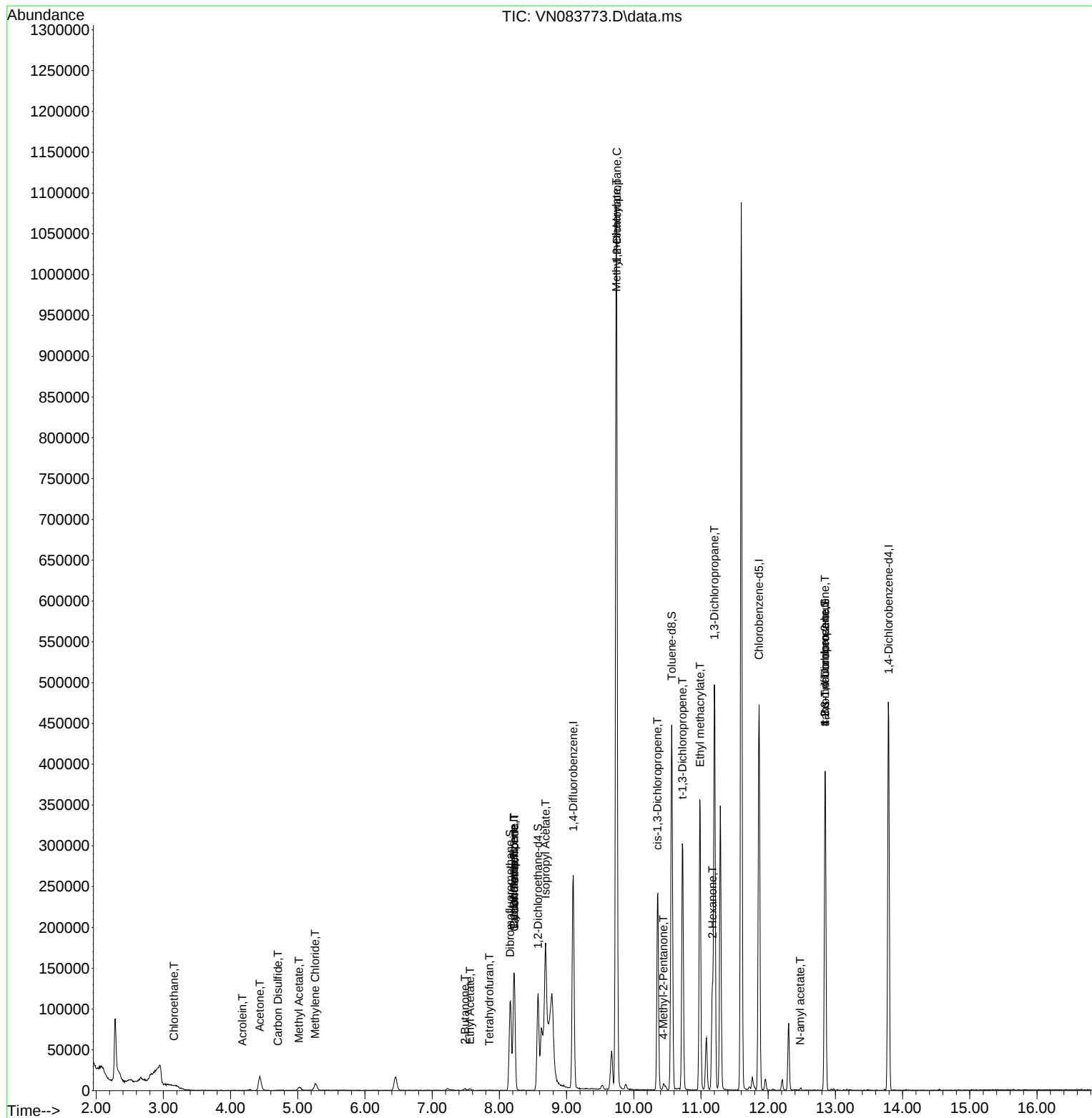
Internal Standards						
1) Pentafluorobenzene	8.218	168	98266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	215943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100759	68.002	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.000%#	
35) Dibromofluoromethane	8.159	113	79016	57.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 114.320%	
50) Toluene-d8	10.565	98	295916	61.918	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 123.840%#	
62) 4-Bromofluorobenzene	12.847	95	134082	68.001	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 136.000%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	996	Below Cal		93
6) Chloroethane	3.159	64	7742	8.921	ug/l #	45
13) Acrolein	4.177	56	54	0.276	ug/l #	3
16) Acetone	4.436	43	29455	49.589	ug/l	96
17) Carbon Disulfide	4.706	76	740	0.249	ug/l #	75
18) Methyl Acetate	5.018	43	8779	5.440	ug/l #	84
20) Methylene Chloride	5.259	84	6257	5.148	ug/l #	76
25) 2-Butanone	7.488	43	3608	4.622	ug/l #	75
29) Tetrahydrofuran	7.853	42	198	0.429	ug/l #	32
31) Cyclohexane	8.218	56	2481	1.159	ug/l #	35
36) 1,1-Dichloropropene	8.218	75	9179	4.411	ug/l #	48
37) Ethyl Acetate	7.565	43	2969	1.572	ug/l #	84
38) Carbon Tetrachloride	8.224	117	11373	4.818	ug/l #	18
43) Isopropyl Acetate	8.688	43	156067	45.599	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1239	0.819	ug/l #	42
48) Methyl methacrylate	9.741	41	103411	63.683	ug/l #	46
51) 4-Methyl-2-Pentanone	10.441	43	5095	2.735	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	510	0.219	ug/l #	42
54) cis-1,3-Dichloropropene	10.353	75	41213	16.869	ug/l #	65
56) Ethyl methacrylate	10.988	69	1139	0.518	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5317	2.163	ug/l #	42
59) 2-Hexanone	11.171	43	105094	76.255	ug/l #	24
74) N-amyl acetate	12.476	43	1322	0.337	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	75838	31.622	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75838	82.821	ug/l #	9

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

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Quant Title : SW846 8260
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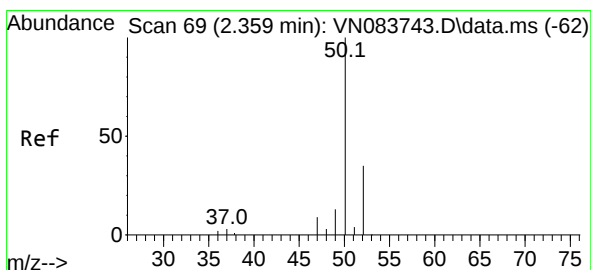
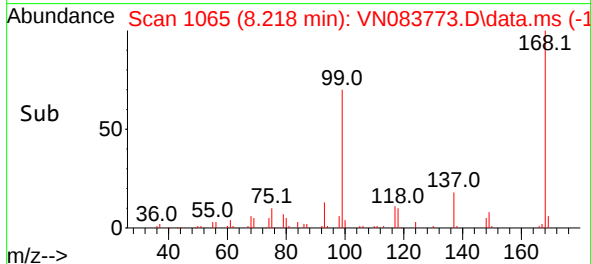
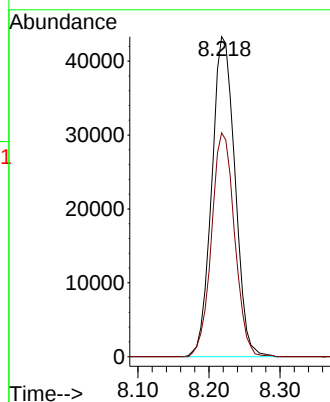
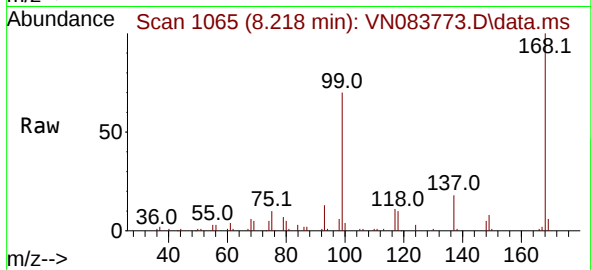




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

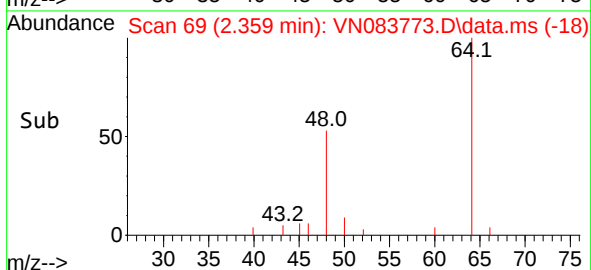
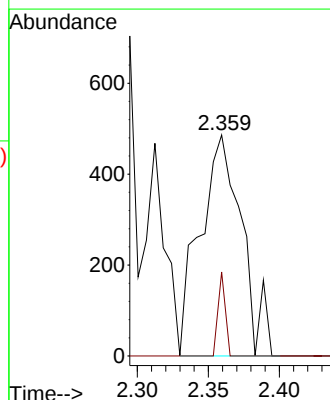
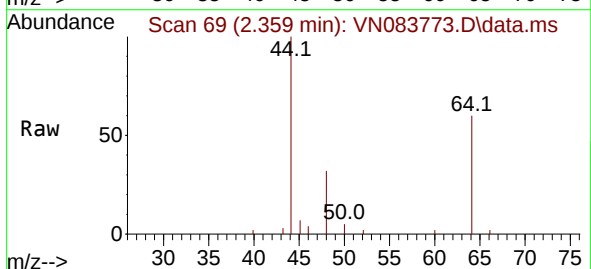
Instrument :
MSVOA_N
ClientSampleId :

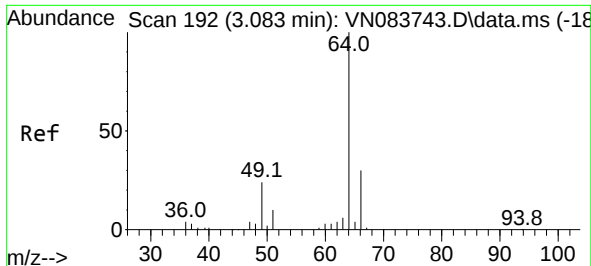
Tgt Ion:168 Resp: 98266
Ion Ratio Lower Upper
168 100
99 69.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 50 Resp: 996
Ion Ratio Lower Upper
50 100
52 38.1 27.2 40.8

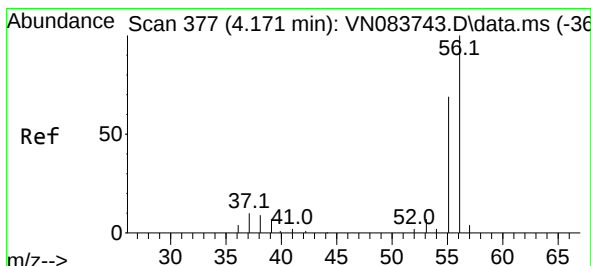
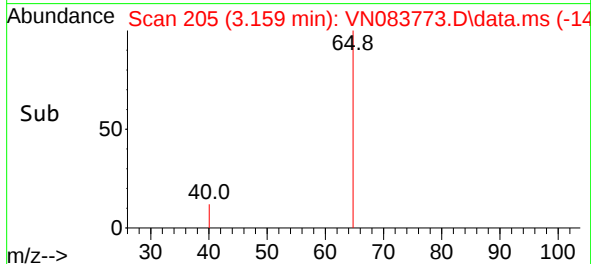
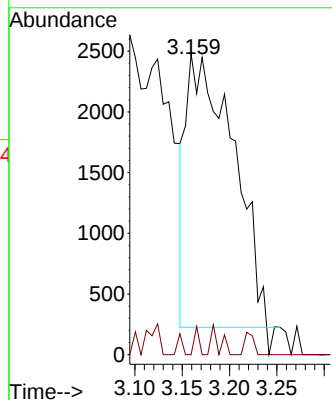
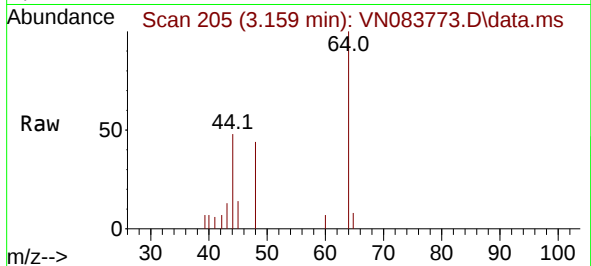




#6
Chloroethane
Concen: 8.921 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.076 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

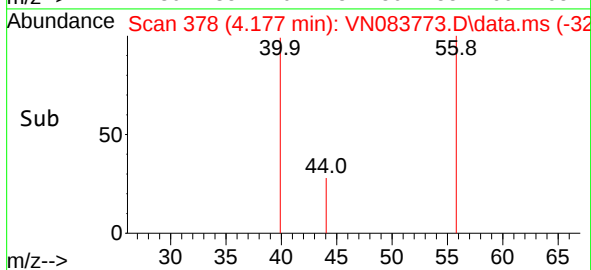
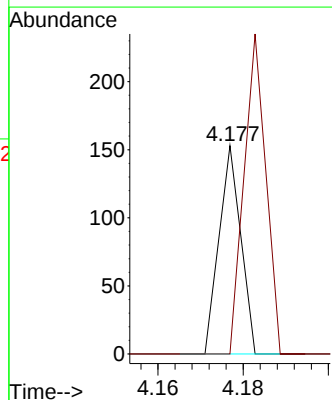
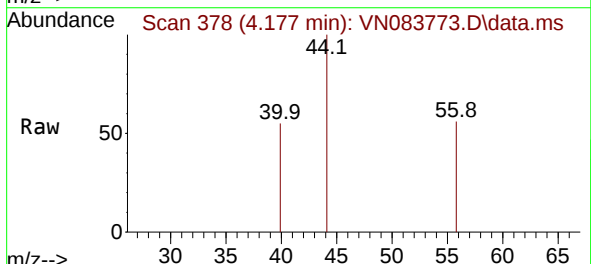
Instrument :
MSVOA_N
ClientSampleId :

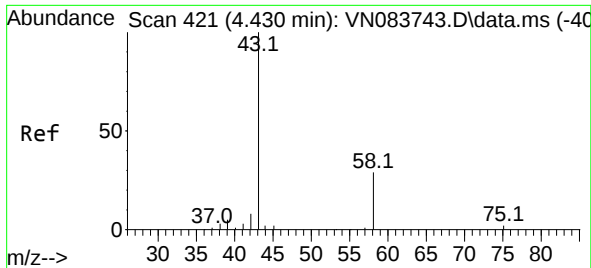
Tgt Ion: 64 Resp: 7742
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#13
Acrolein
Concen: 0.276 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 153.7 58.2 87.2#





#16

Acetone

Concen: 49.589 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

Instrument :

MSVOA_N

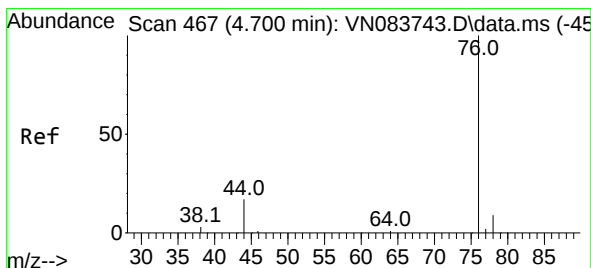
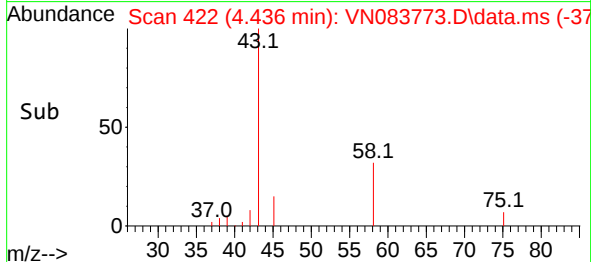
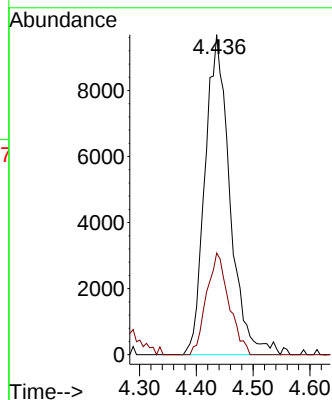
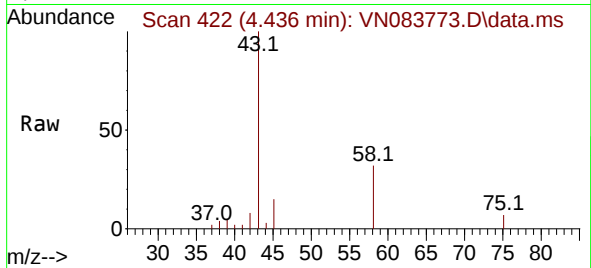
ClientSampleId :

Tgt Ion: 43 Resp: 29455

Ion Ratio Lower Upper

43 100

58 31.8 23.7 35.5



#17

Carbon Disulfide

Concen: 0.249 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN083773.D

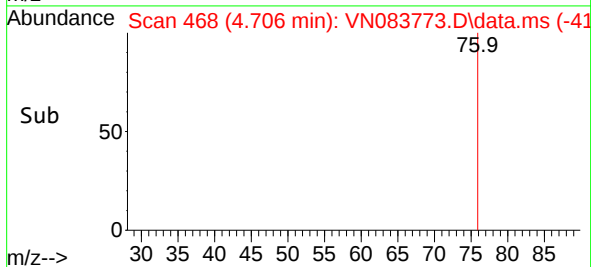
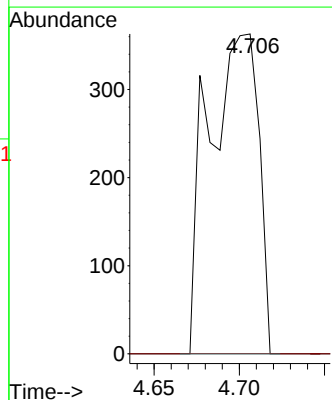
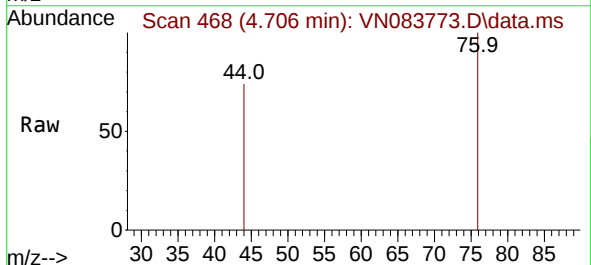
Acq: 11 Sep 2024 05:38

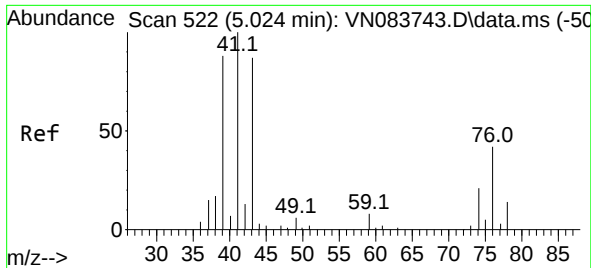
Tgt Ion: 76 Resp: 740

Ion Ratio Lower Upper

76 100

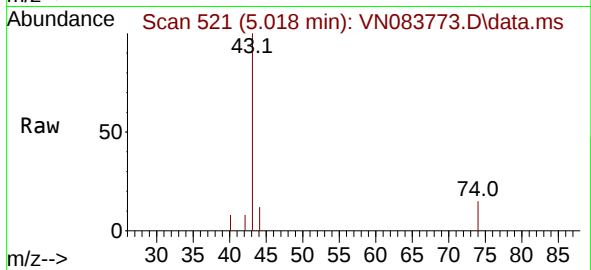
78 0.0 7.1 10.7#



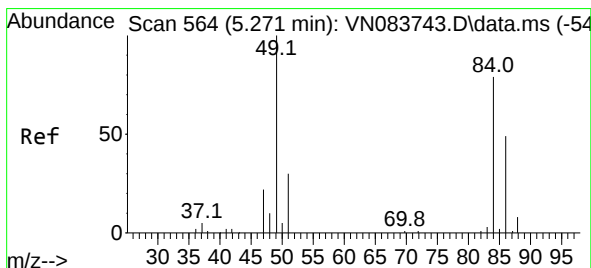
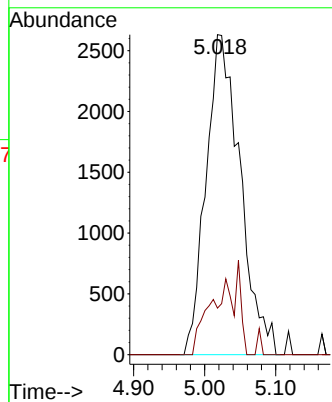
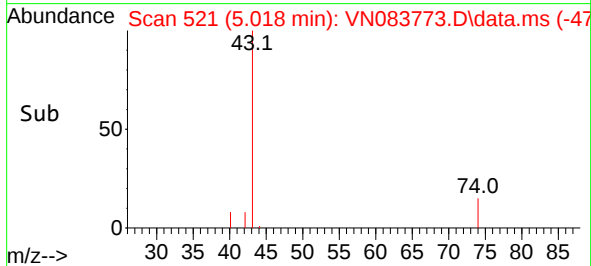


#18
Methyl Acetate
Concen: 5.440 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Instrument :
MSVOA_N
ClientSampleId :

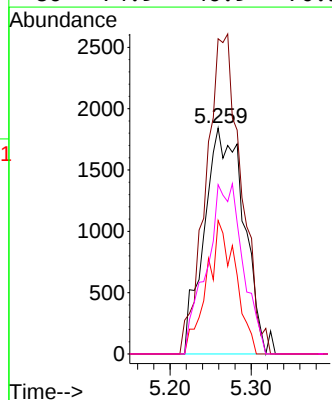
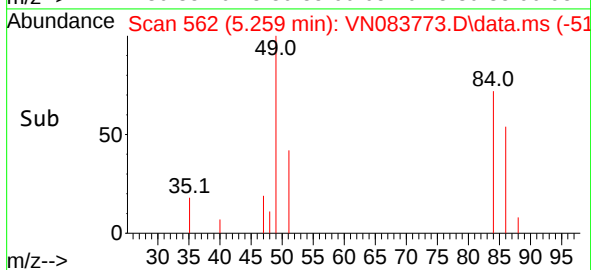
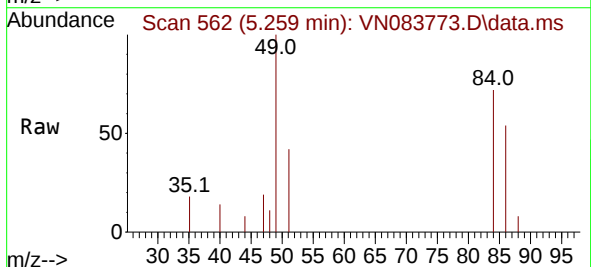


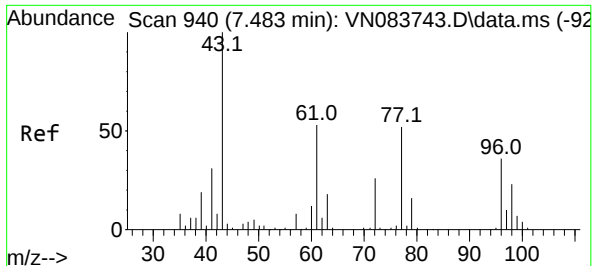
Tgt Ion: 43 Resp: 8779
Ion Ratio Lower Upper
43 100
74 15.8 19.0 28.4#



#20
Methylene Chloride
Concen: 5.148 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 84 Resp: 6257
Ion Ratio Lower Upper
84 100
49 139.5 93.4 140.0
51 59.1 29.2 43.8#
86 74.9 46.9 70.3#





#25

2-Butanone

Concen: 4.622 ug/l

RT: 7.488 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

Instrument :

MSVOA_N

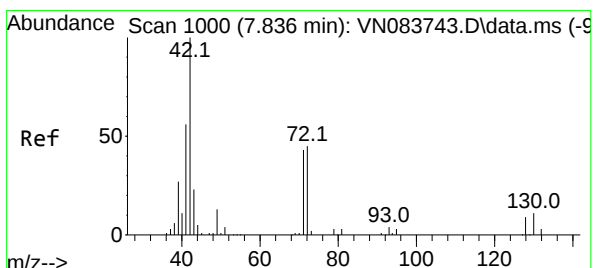
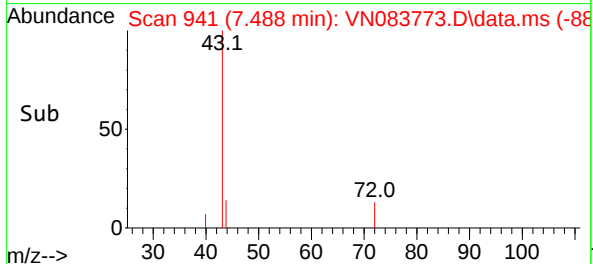
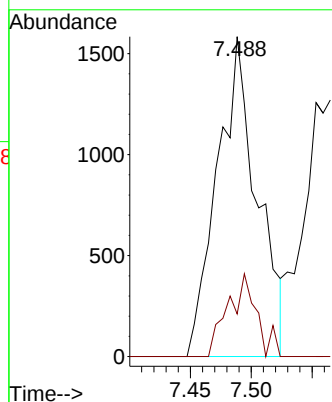
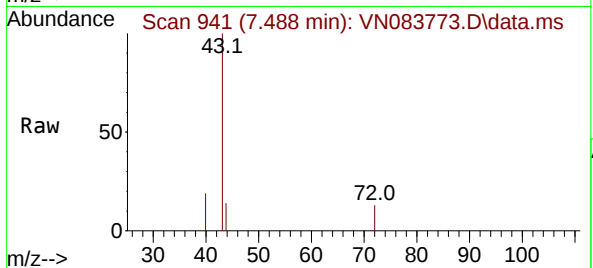
ClientSampleId :

Tgt Ion: 43 Resp: 3608

Ion Ratio Lower Upper

43 100

72 13.3 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.429 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.018 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

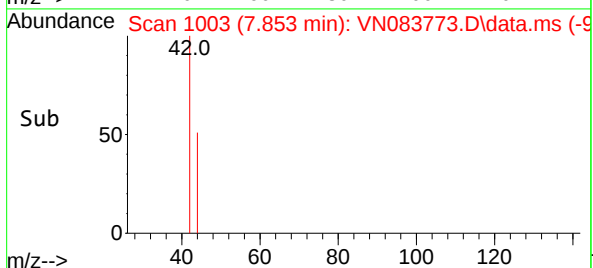
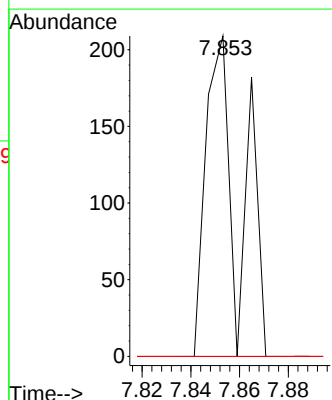
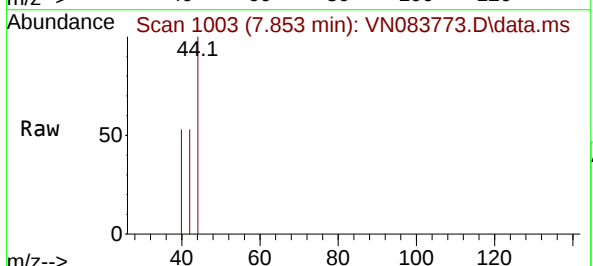
Tgt Ion: 42 Resp: 198

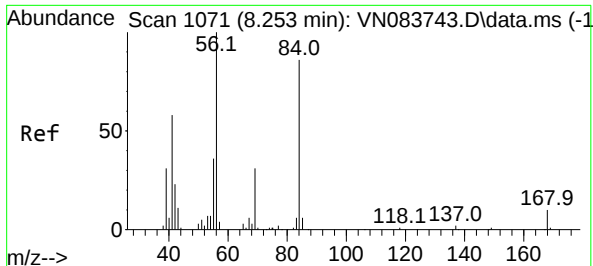
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#





#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

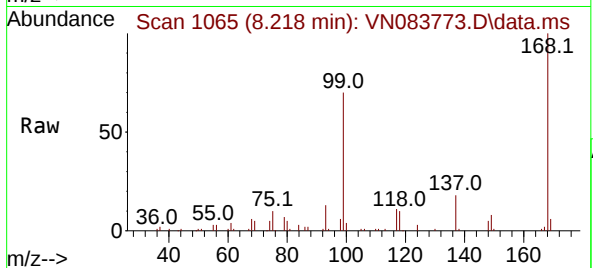
Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

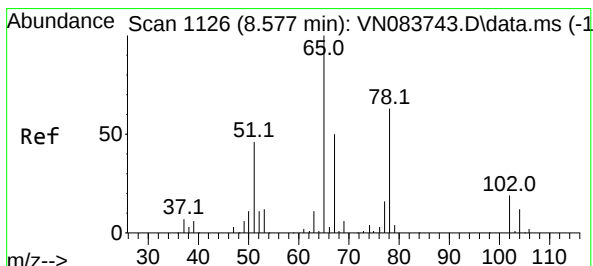
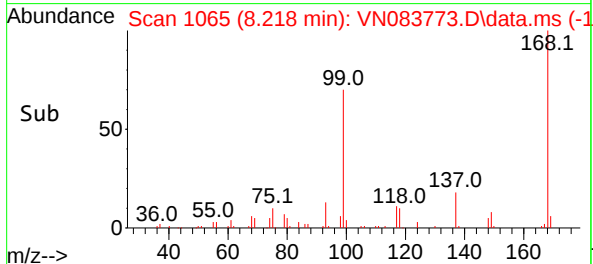
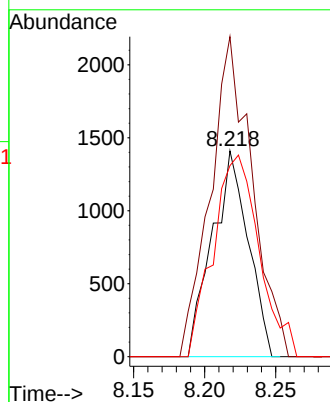
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 2481
Ion Ratio	Lower Upper
56	100
69	155.5 26.9 40.3#
84	92.8 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 68.002 ug/l

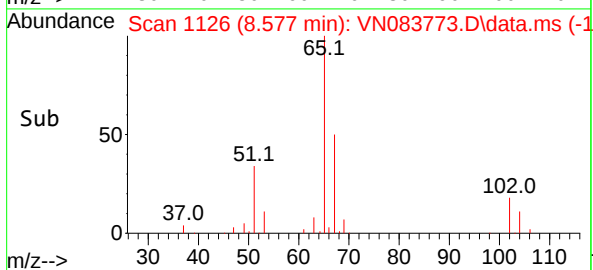
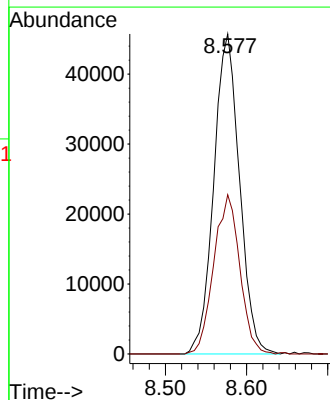
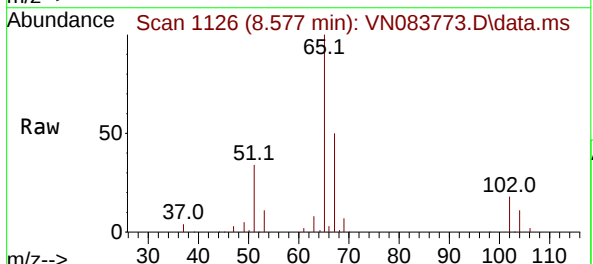
RT: 8.577 min Scan# 1126

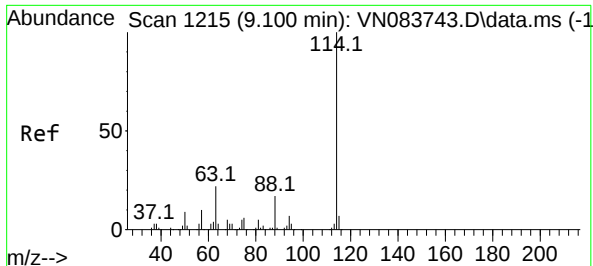
Delta R.T. -0.000 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

Tgt Ion: 65	Resp: 100759
Ion Ratio	Lower Upper
65	100
67	50.2 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: VN083773.D

Acq: 11 Sep 2024 05:38

Instrument :

MSVOA_N

ClientSampleId :

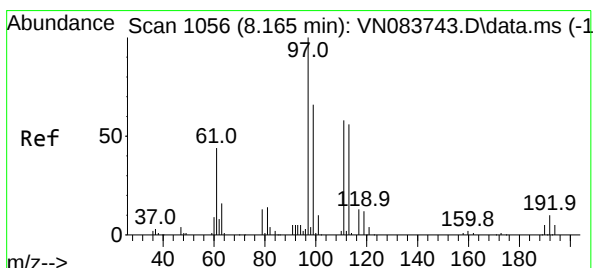
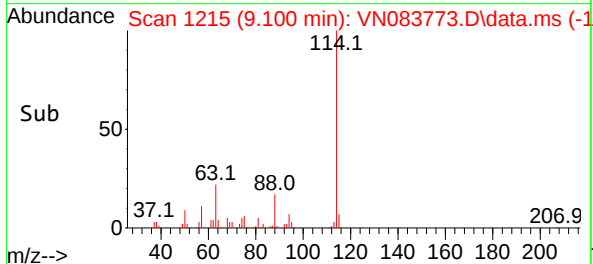
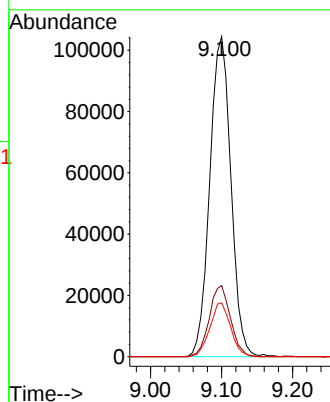
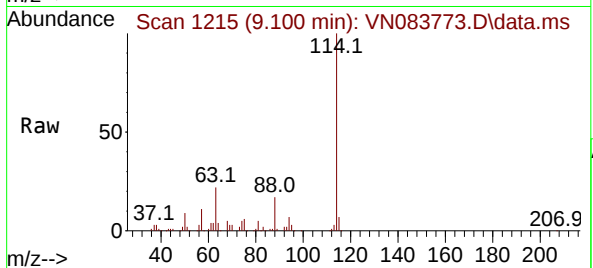
Tgt Ion:114 Resp: 215943

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 57.157 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

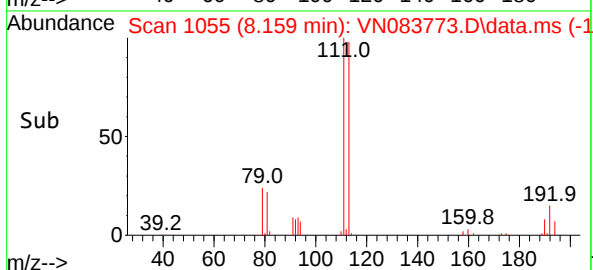
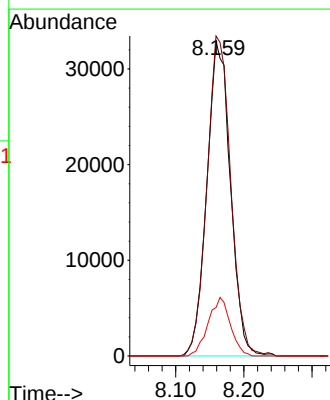
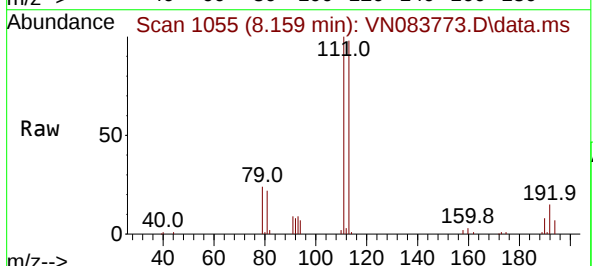
Tgt Ion:113 Resp: 79016

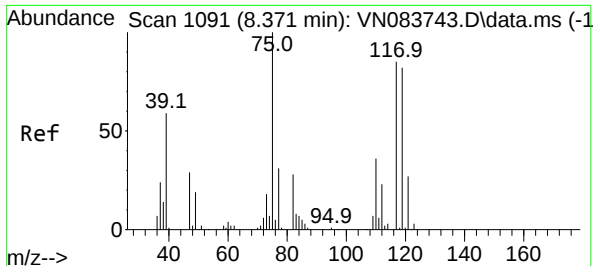
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

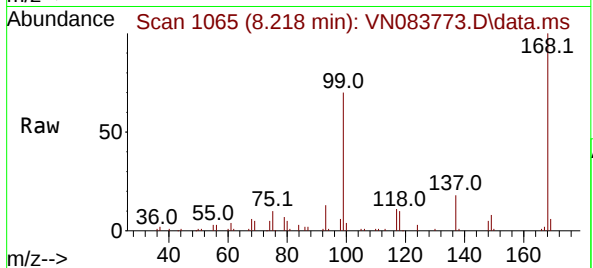
Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

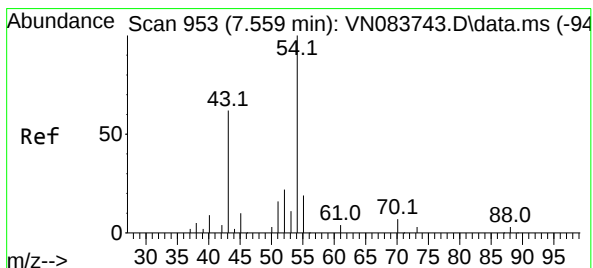
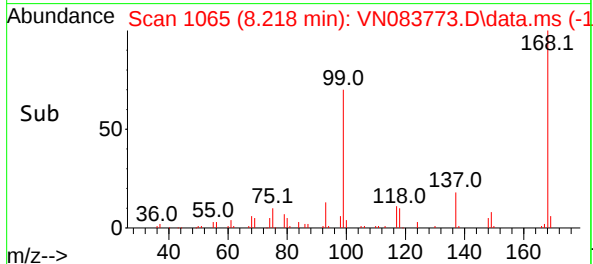
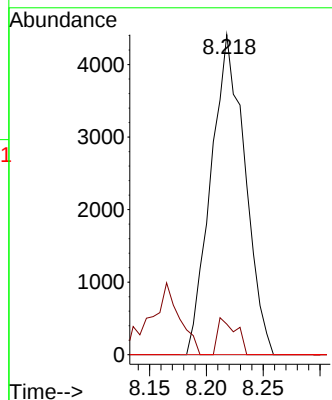
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	9179
Ion	Ratio	Lower	Upper
75	100		
110	6.2	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 1.572 ug/l

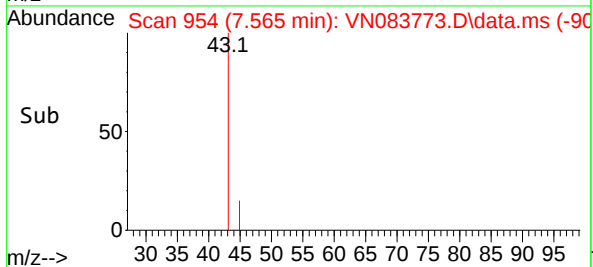
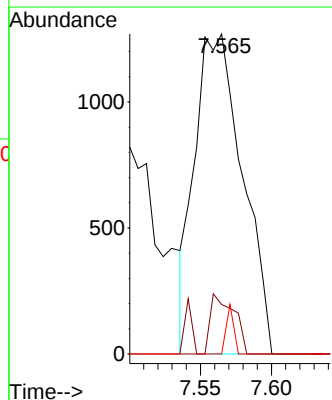
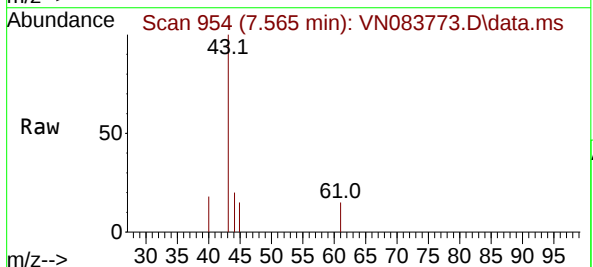
RT: 7.565 min Scan# 954

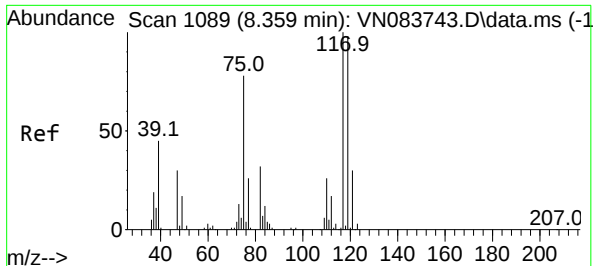
Delta R.T. 0.006 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

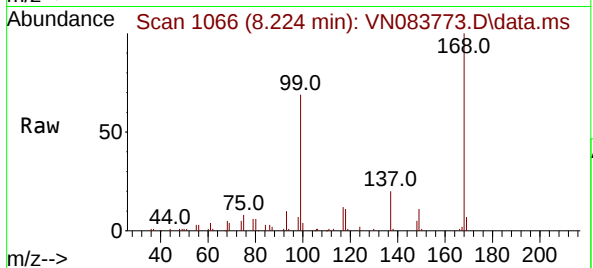
Tgt Ion:	43	Resp:	2969
Ion	Ratio	Lower	Upper
43	100		
61	9.3	11.1	16.7#
70	2.4	8.8	13.2#



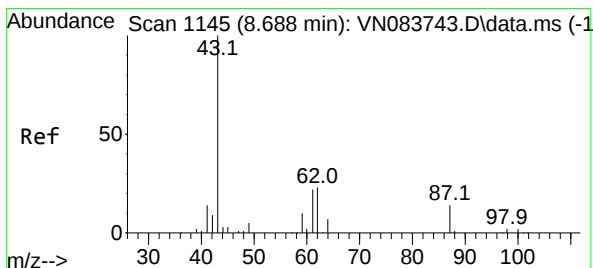
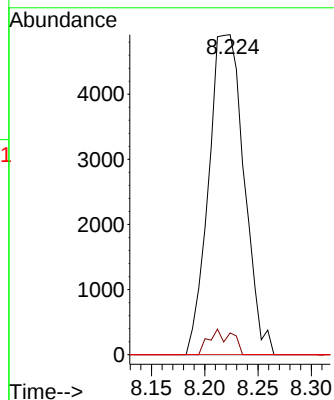
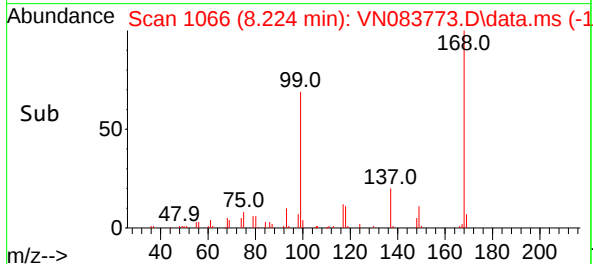


#38
Carbon Tetrachloride
Concen: 4.818 ug/l
RT: 8.224 min Scan# 11066
Delta R.T. -0.135 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Instrument :
MSVOA_N
ClientSampleId :

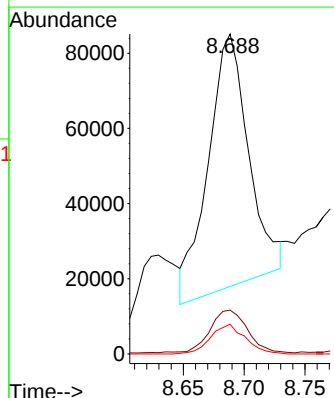
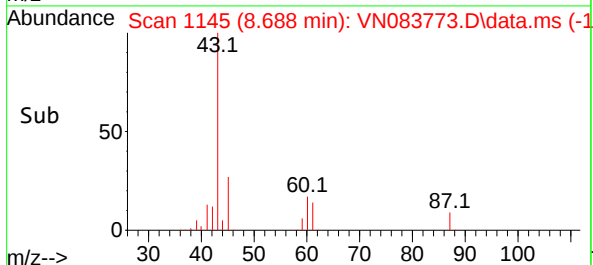
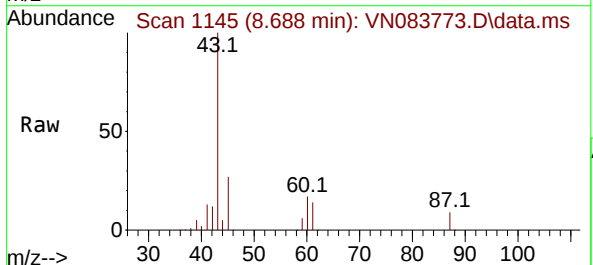


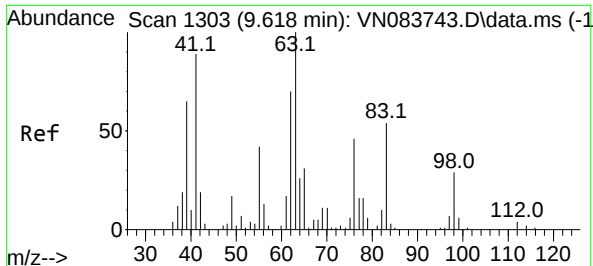
Tgt Ion:117 Resp: 11373
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 45.599 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 43 Resp: 156067
Ion Ratio Lower Upper
43 100
61 17.1 19.4 29.0#
87 10.0 9.8 14.6





#45

1,2-Dichloropropane

Concen: 0.819 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

Instrument :

MSVOA_N

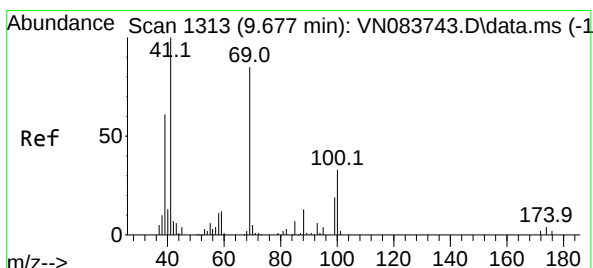
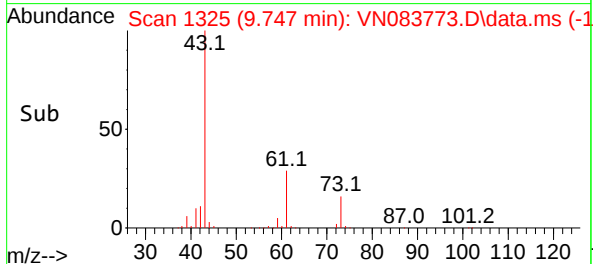
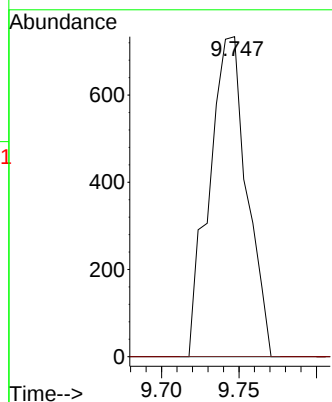
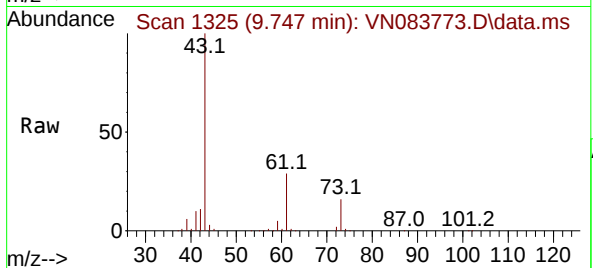
ClientSampleId :

Tgt Ion: 63 Resp: 1239

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 63.683 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

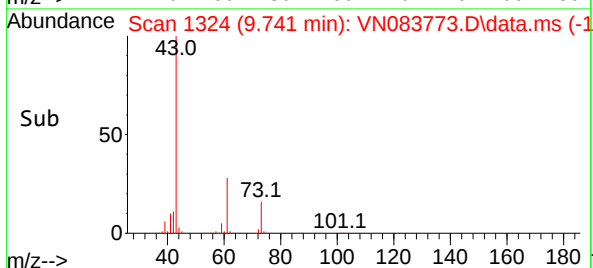
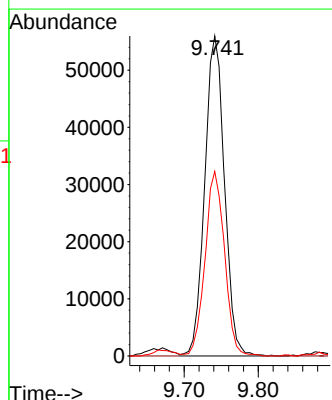
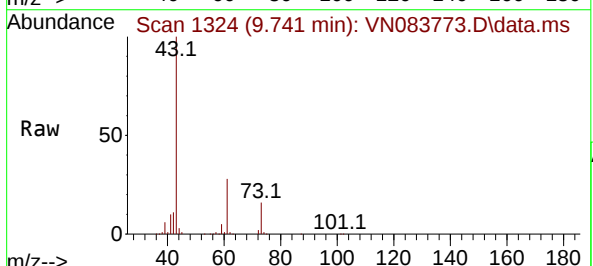
Tgt Ion: 41 Resp: 103411

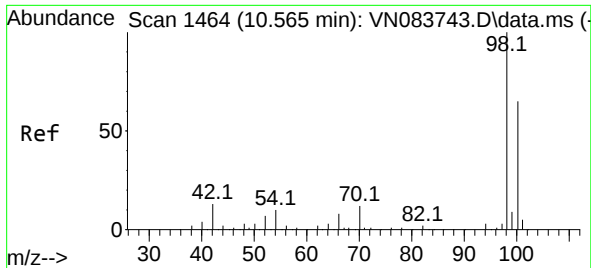
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 57.1 48.9 73.3

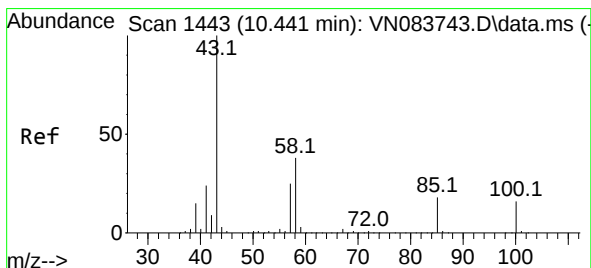
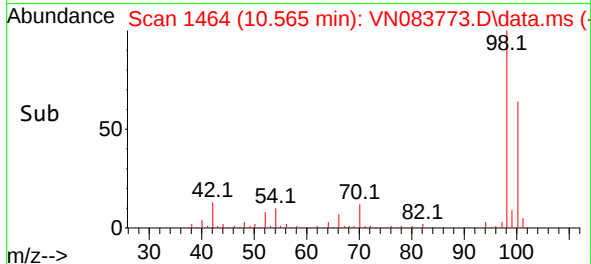
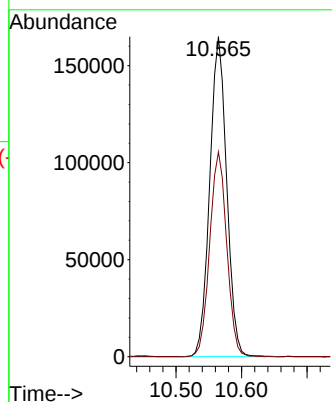
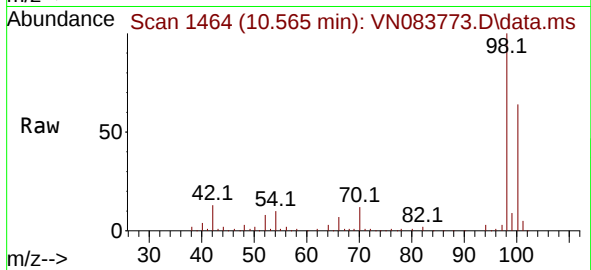




#50
Toluene-d8
Concen: 61.918 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

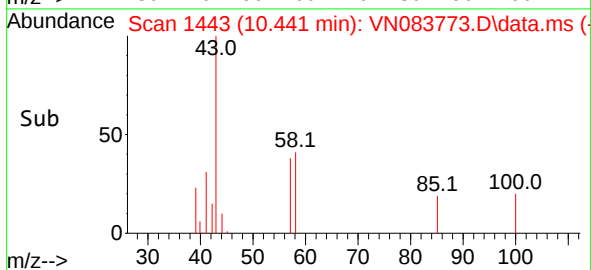
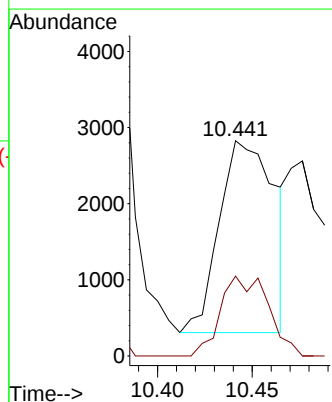
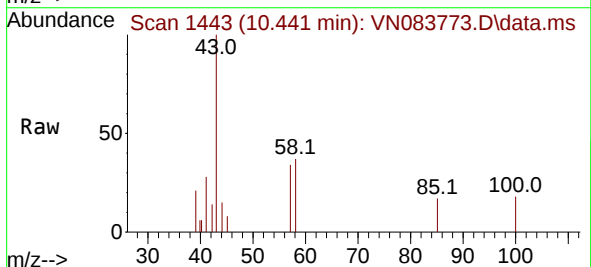
Instrument :
MSVOA_N
ClientSampleId :

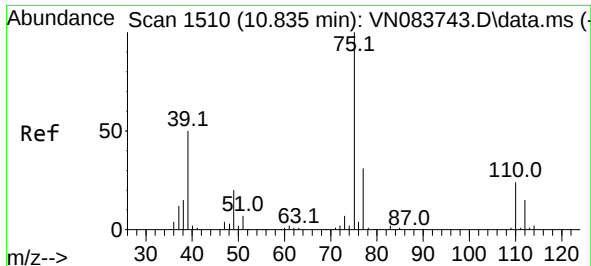
Tgt Ion: 98 Resp: 295916
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.735 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 43 Resp: 5095
Ion Ratio Lower Upper
43 100
58 36.2 31.6 47.4

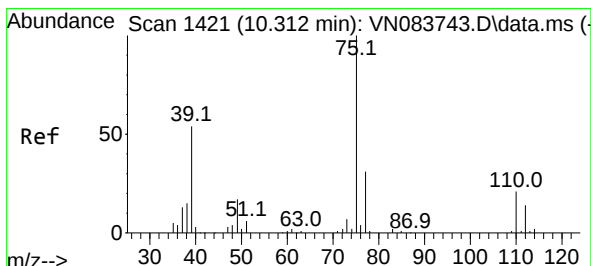
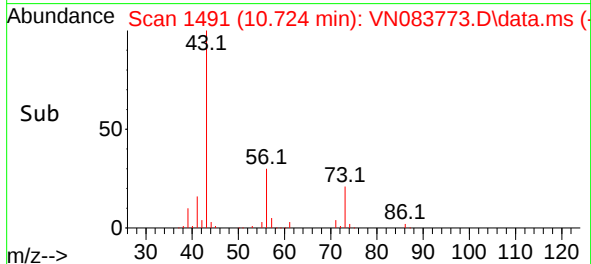
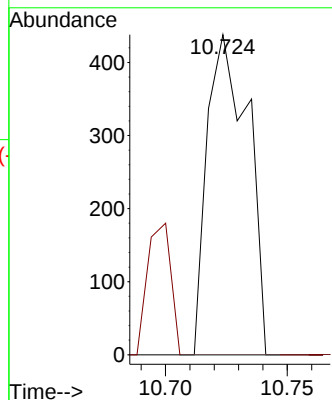
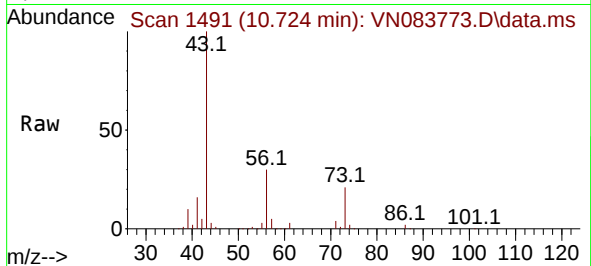




#53
 t-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN083773.D
 Acq: 11 Sep 2024 05:38

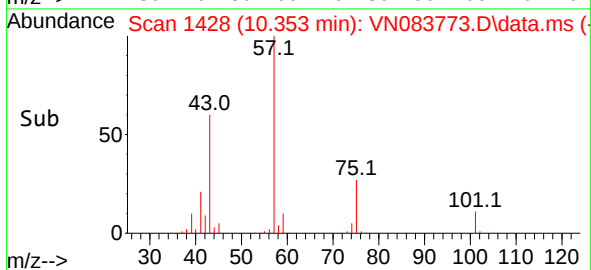
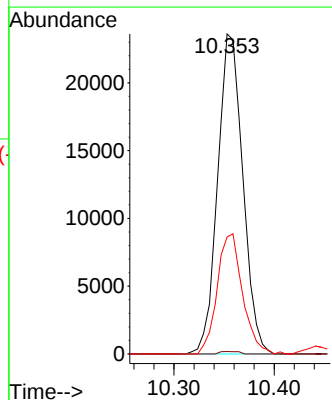
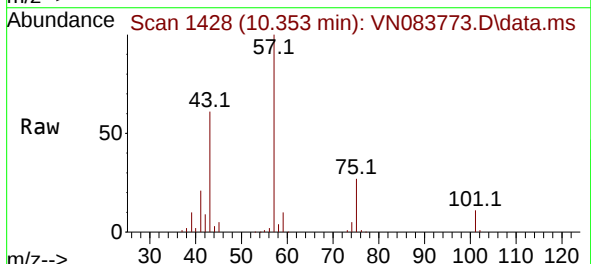
Instrument :
 MSVOA_N
 ClientSampleId :

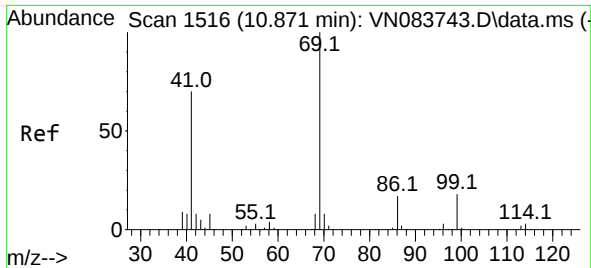
Tgt Ion: 75 Resp: 510
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 16.869 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN083773.D
 Acq: 11 Sep 2024 05:38

Tgt Ion: 75 Resp: 41213
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 36.5 42.6 64.0#

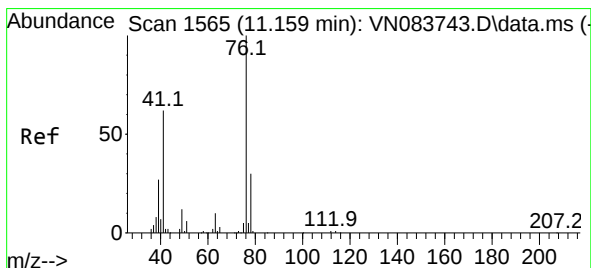
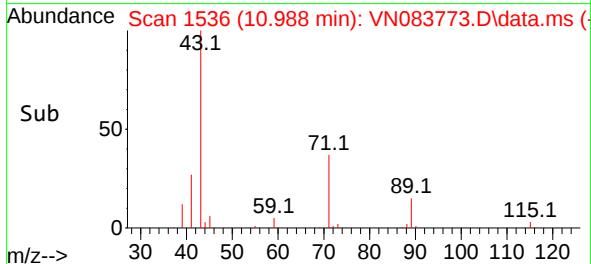
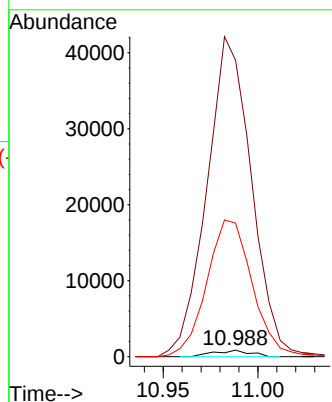
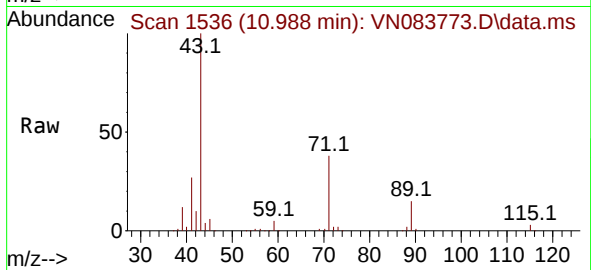




#56
Ethyl methacrylate
Concen: 0.518 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

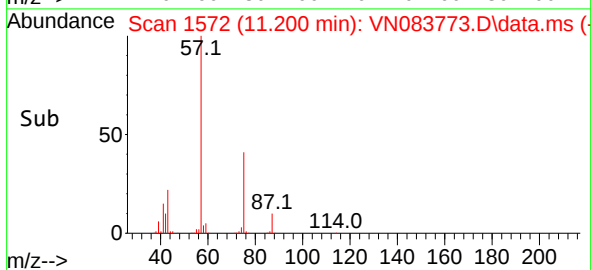
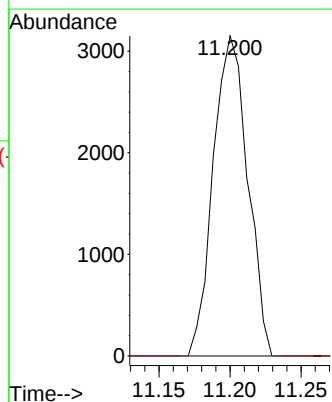
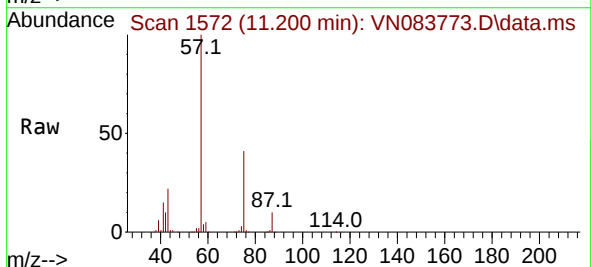
Instrument :
MSVOA_N
ClientSampleId :

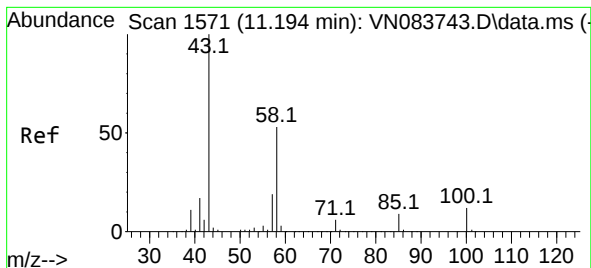
Tgt Ion: 69 Resp: 1139
Ion Ratio Lower Upper
69 100
41 6076.9 53.9 80.9#
39 2650.0 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 2.163 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion: 76 Resp: 5317
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

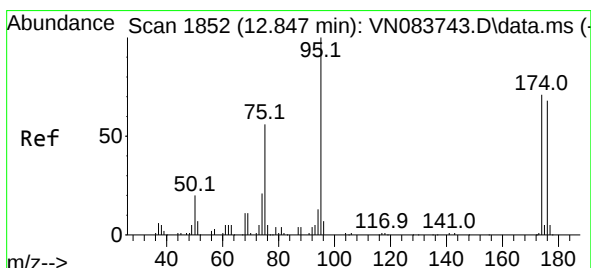
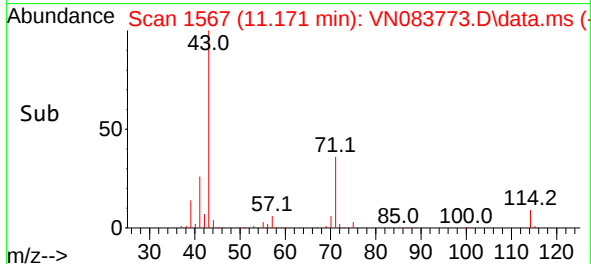
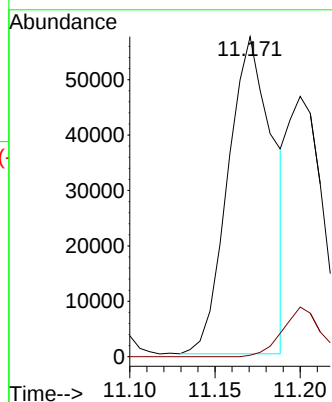
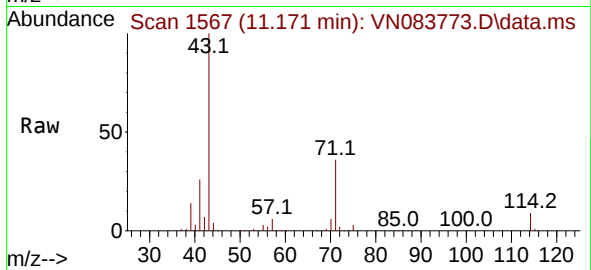




#59
2-Hexanone
Concen: 76.255 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

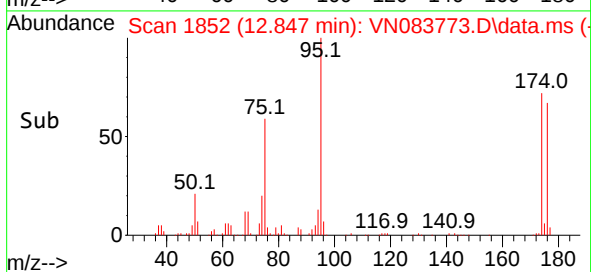
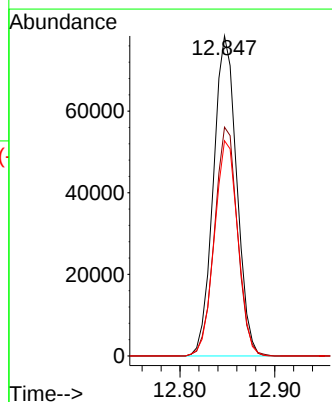
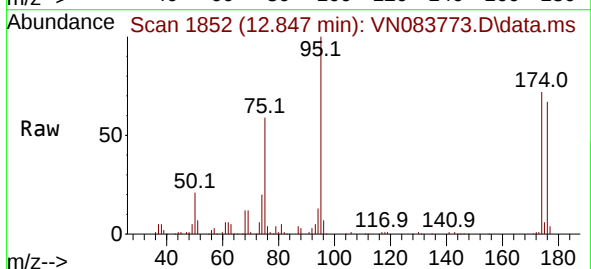
Instrument :
MSVOA_N
ClientSampleId :

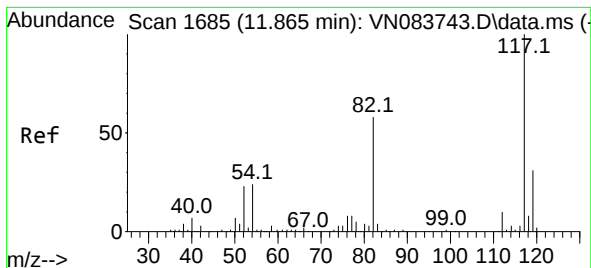
Tgt Ion: 43 Resp: 105094
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 68.001 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

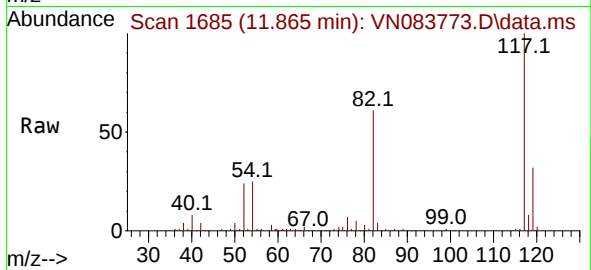
Tgt Ion: 95 Resp: 134082
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.8
176 67.8 0.0 131.4



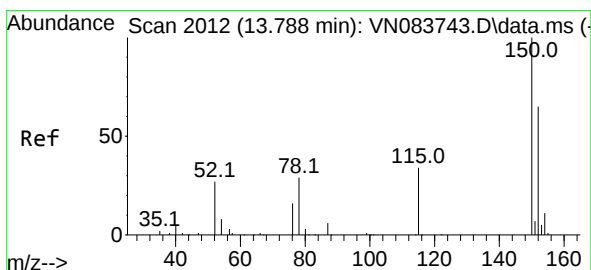
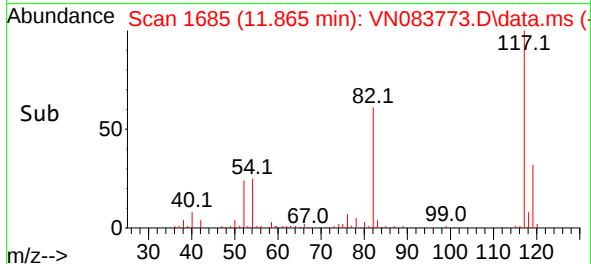
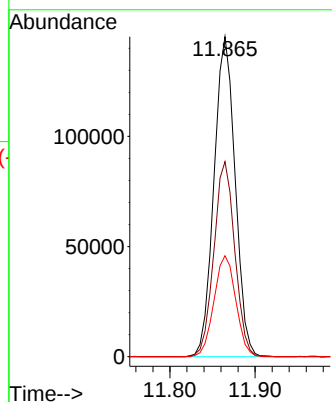


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Instrument :
MSVOA_N
ClientSampleId :

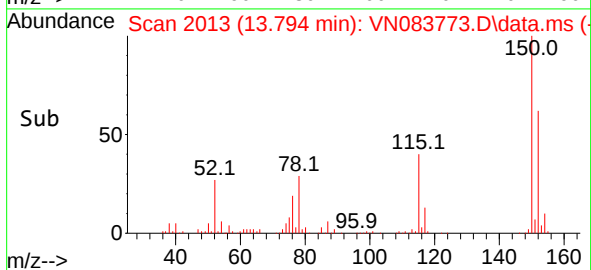
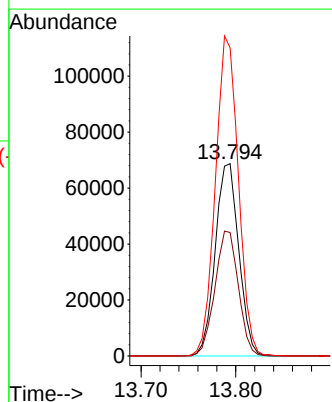
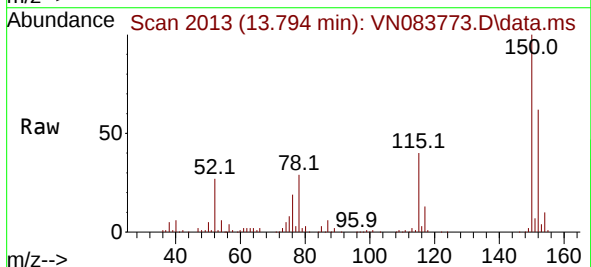


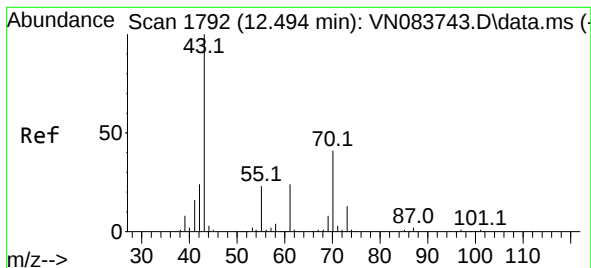
Tgt Ion:117 Resp: 250985
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Tgt Ion:152 Resp: 118854
Ion Ratio Lower Upper
152 100
115 64.6 32.2 96.6
150 162.3 0.0 348.6





#74

N-amyl acetate

Concen: 0.337 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN083773.D

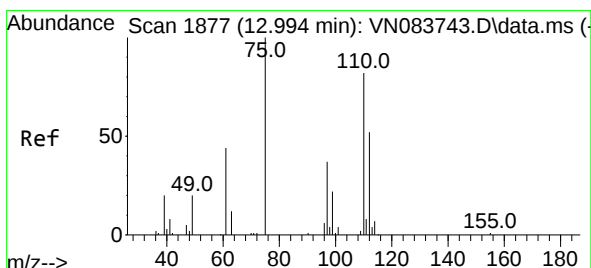
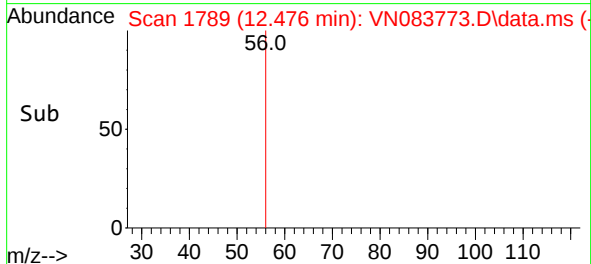
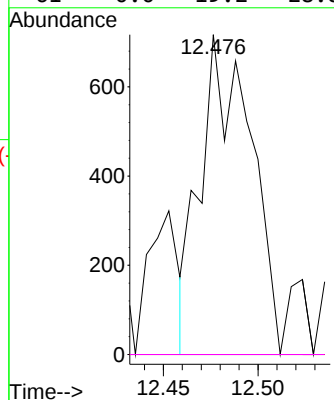
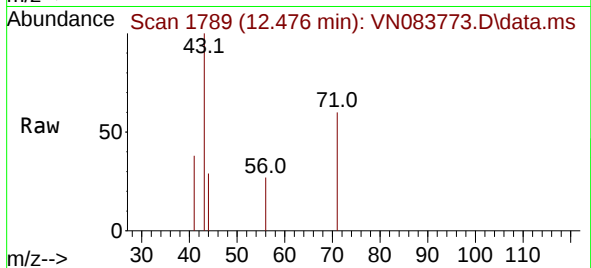
Acq: 11 Sep 2024 05:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 1322
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: 31.622 ug/l

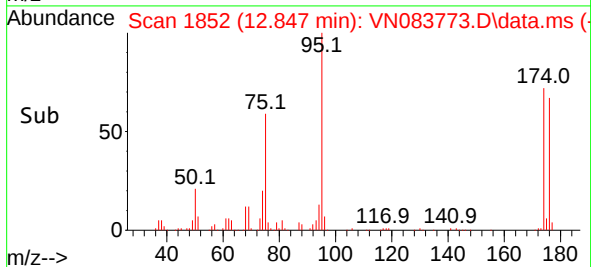
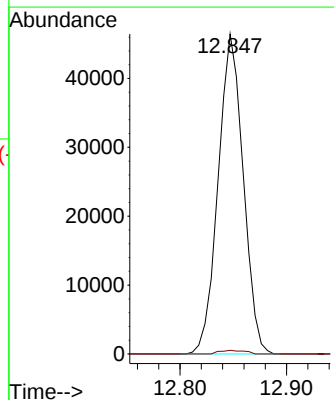
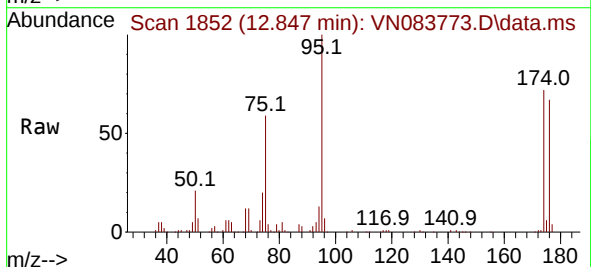
RT: 12.847 min Scan# 1852

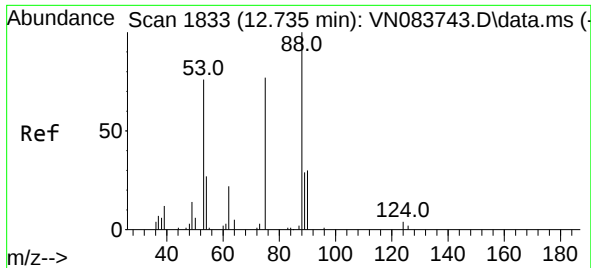
Delta R.T. -0.147 min

Lab File: VN083773.D

Acq: 11 Sep 2024 05:38

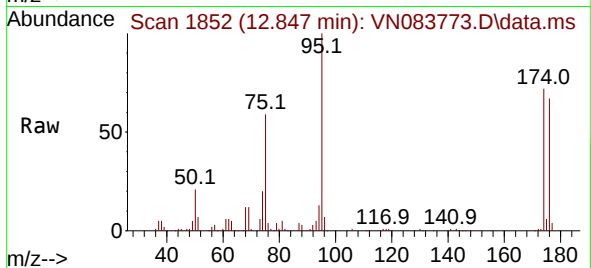
Tgt Ion: 75	Resp: 75838
Ion Ratio	Lower Upper
75 100	
77 1.2	95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.821 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083773.D
Acq: 11 Sep 2024 05:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 75838
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

