

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085818.D
 Acq On : 21 Feb 2025 21:26
 Operator : JC\MD
 Sample : Q1397-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP7

Quant Time: Feb 22 02:43:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

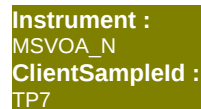
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

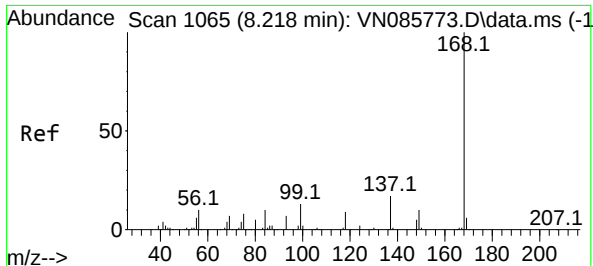
Internal Standards						
1) Pentafluorobenzene	8.218	168	237285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	473702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	452139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184632	60.017	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.040%			
35) Dibromofluoromethane	8.165	113	160232	51.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.380%			
50) Toluene-d8	10.565	98	601659	53.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.700%			
62) 4-Bromofluorobenzene	12.847	95	181358	48.808	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.620%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	438	1.158	ug/l #	72
16) Acetone	4.430	43	42468	43.628	ug/l #	85
18) Methyl Acetate	5.018	43	2381	0.711	ug/l #	72
20) Methylene Chloride	5.265	84	4173	1.333	ug/l #	87
25) 2-Butanone	7.483	43	4716	3.293	ug/l #	80
29) Tetrahydrofuran	7.841	42	213	0.230	ug/l #	29
31) Cyclohexane	8.212	56	5065	1.153	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	19695	4.490	ug/l #	48
37) Ethyl Acetate	7.571	43	3942	1.092	ug/l #	90
38) Carbon Tetrachloride	8.218	117	24429	4.687	ug/l #	20
42) 1,2-Dichloroethane	8.694	62	1418	0.310	ug/l #	73
43) Isopropyl Acetate	8.682	43	209988	32.957	ug/l #	83
45) 1,2-Dichloropropane	9.729	63	2400	0.707	ug/l #	43
48) Methyl methacrylate	9.665	41	4720	1.760	ug/l #	12
49) 1,4-Dioxane	9.729	88	77	1.510	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	7534	2.165	ug/l	97
52) Toluene	10.624	92	2702	0.328	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	1067	0.225	ug/l #	47
54) cis-1,3-Dichloropropene	10.353	75	60632	11.675	ug/l #	67
56) Ethyl methacrylate	10.976	69	2857	1.136	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8919	1.630	ug/l #	42
59) 2-Hexanone	11.200	43	104764	43.752	ug/l #	51
74) N-amyl acetate	12.482	43	911	0.221	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	89334	23.614	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89334	68.899	ug/l #	13

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

Instrument :
MSVOA_N
ClientSampleId :
TP7

Instrument :
MSVOA_N
ClientSampleId :
TP7

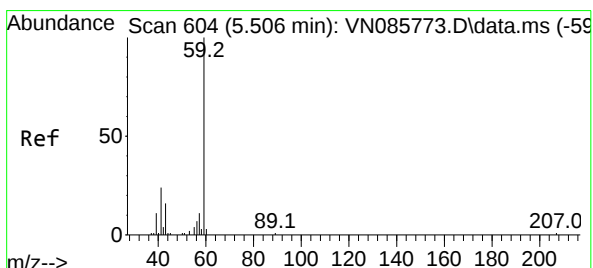
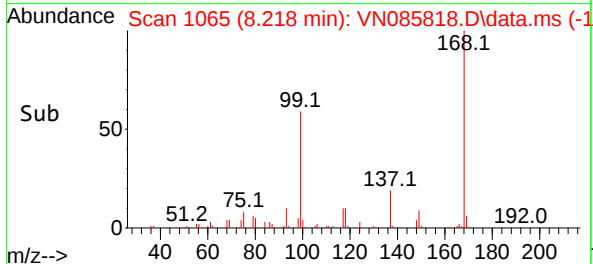
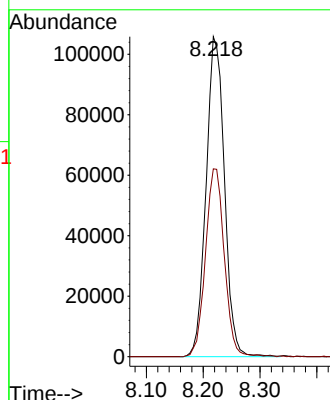
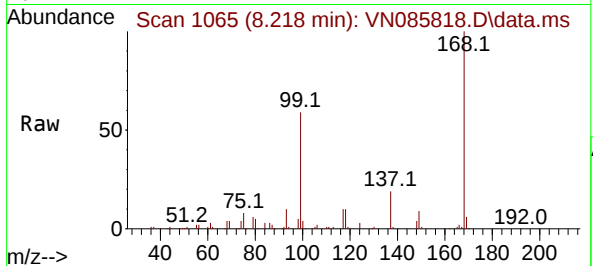




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

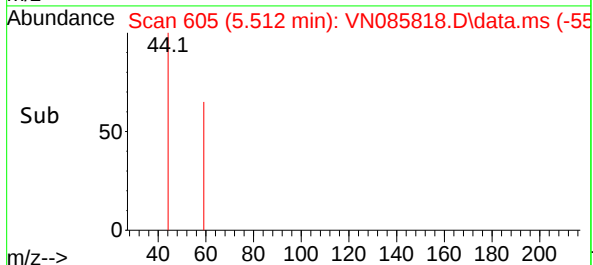
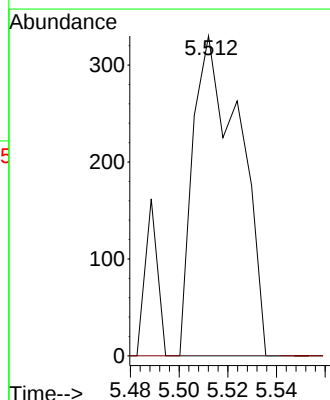
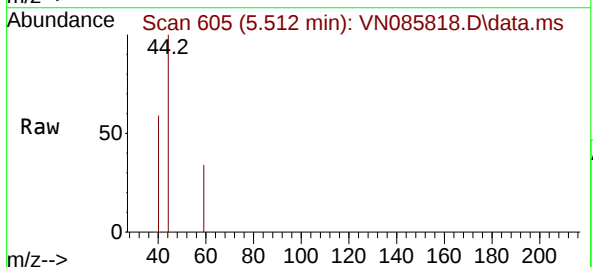
Instrument :
MSVOA_N
ClientSampleId :
TP7

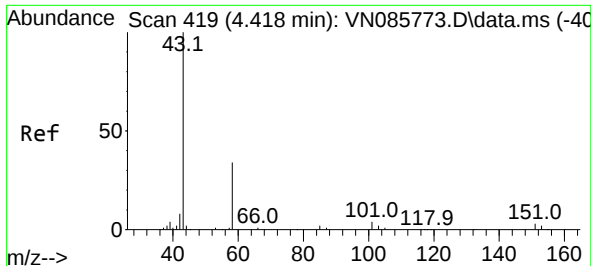
Tgt Ion:168 Resp: 237285
Ion Ratio Lower Upper
168 100
99 58.7 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.158 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

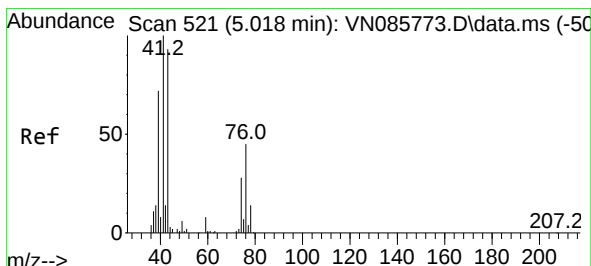
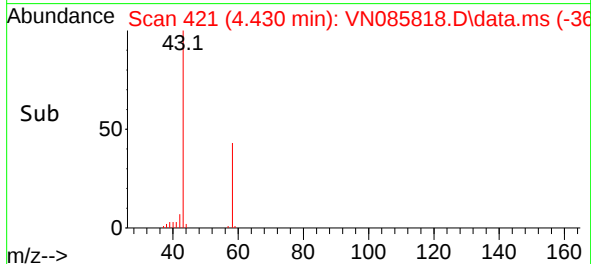
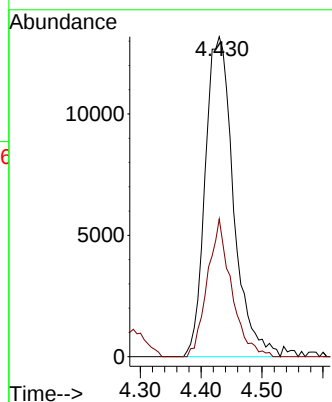
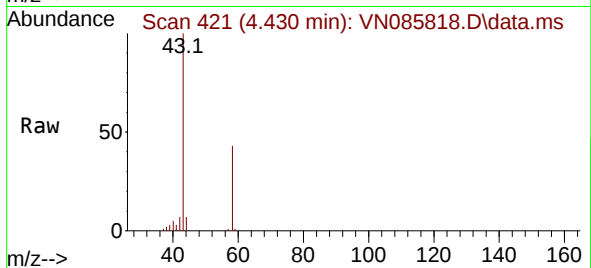




#16
Acetone
Concen: 43.628 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

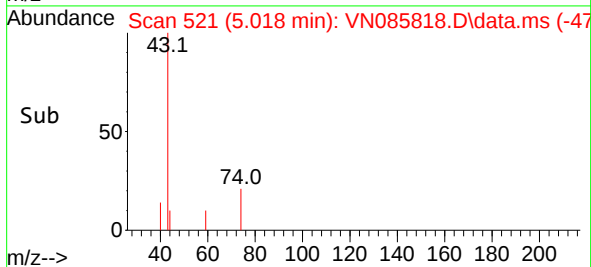
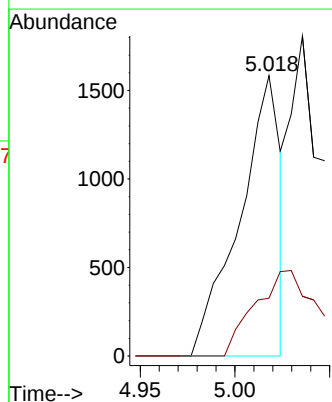
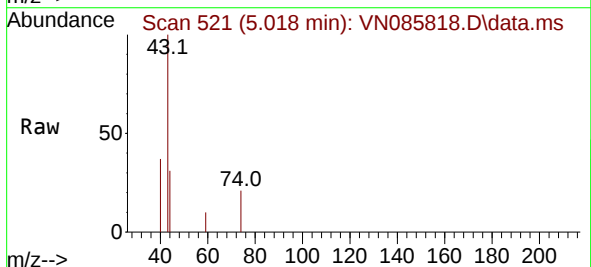
Instrument :
MSVOA_N
ClientSampleId :
TP7

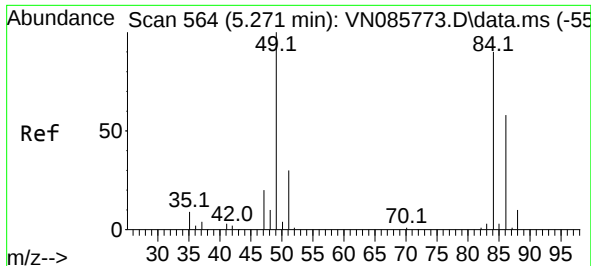
Tgt Ion: 43 Resp: 42468
Ion Ratio Lower Upper
43 100
58 43.0 27.5 41.3#



#18
Methyl Acetate
Concen: 0.711 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 43 Resp: 2381
Ion Ratio Lower Upper
43 100
74 42.6 22.2 33.4#



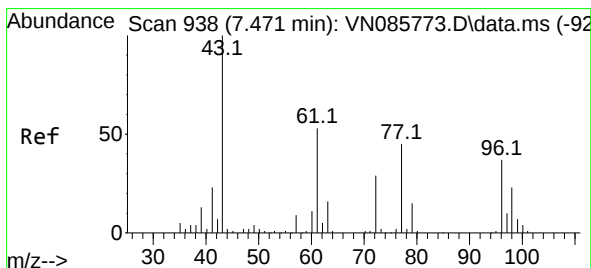
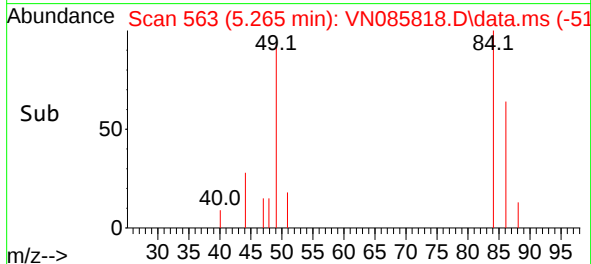
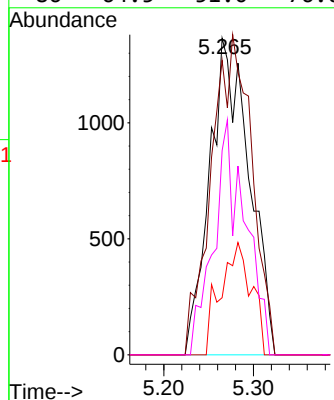
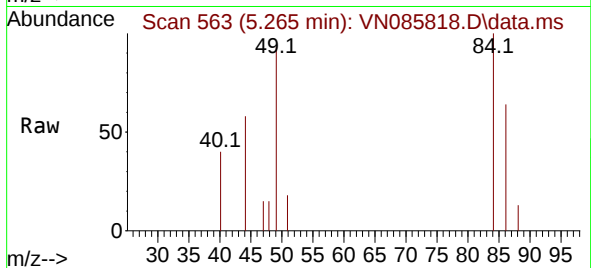


#20
Methylene Chloride
Concen: 1.333 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Instrument :
MSVOA_N
ClientSampleId :
TP7

Tgt Ion: 84 Resp: 4173

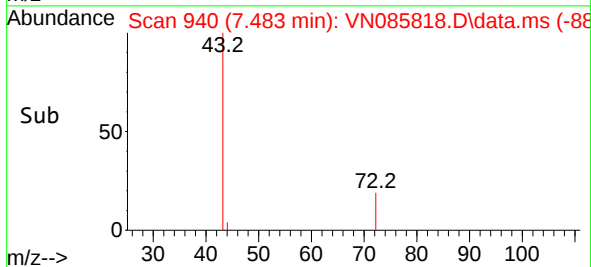
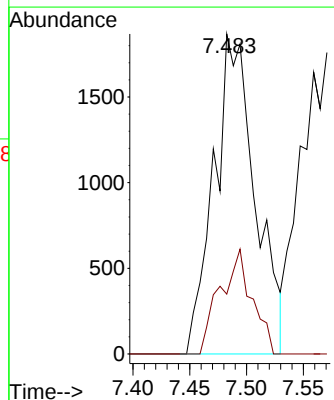
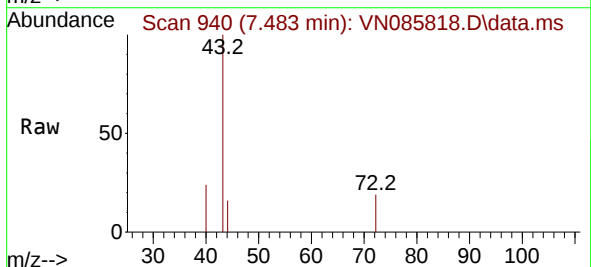
Ion	Ratio	Lower	Upper
84	100		
49	93.0	88.4	132.6
51	18.0	26.6	40.0#
86	64.5	51.0	76.6

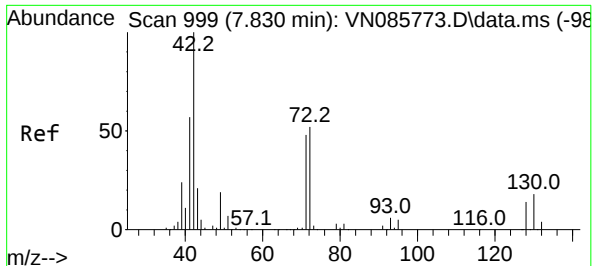


#25
2-Butanone
Concen: 3.293 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 43 Resp: 4716

Ion	Ratio	Lower	Upper
43	100		
72	18.7	23.6	35.4#





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.012 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Instrument :

MSVOA_N

ClientSampleId :

TP7

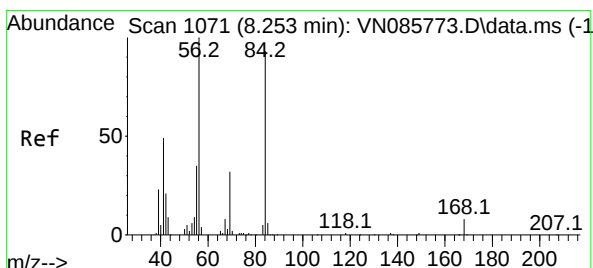
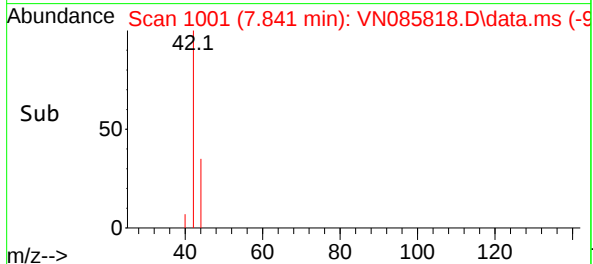
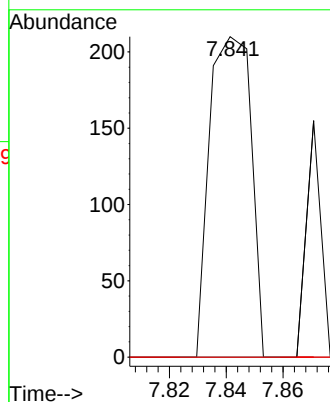
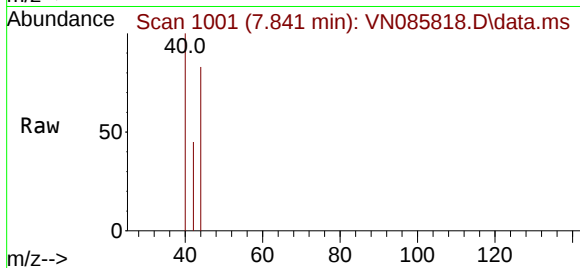
Tgt Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

72 0.0 40.0 60.0#

71 0.0 37.0 55.4#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

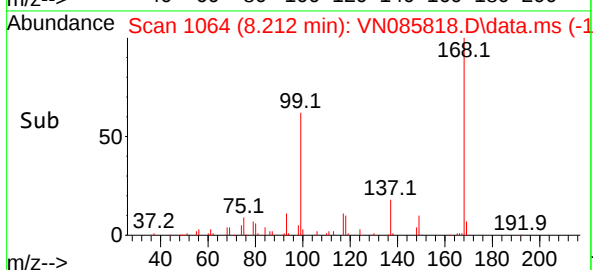
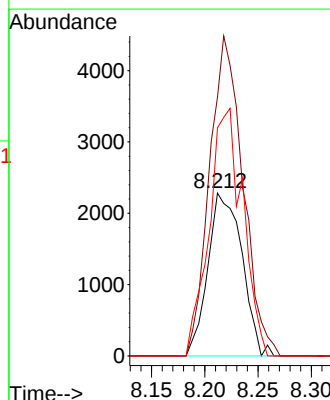
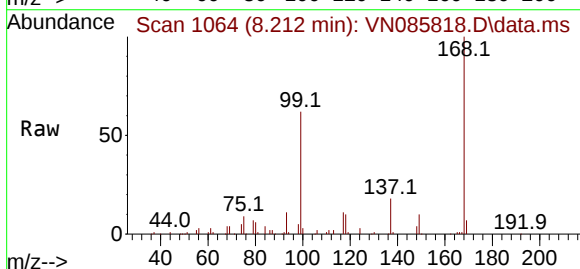
Tgt Ion: 56 Resp: 5065

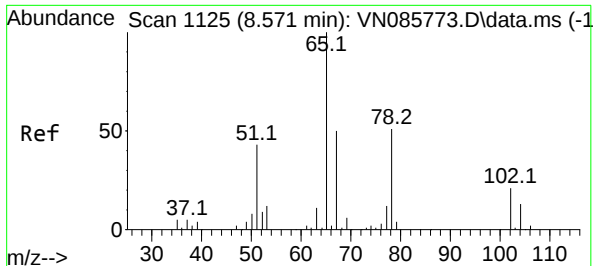
Ion Ratio Lower Upper

56 100

69 158.8 25.8 38.6#

84 140.1 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 60.017 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Instrument :

MSVOA_N

ClientSampleId :

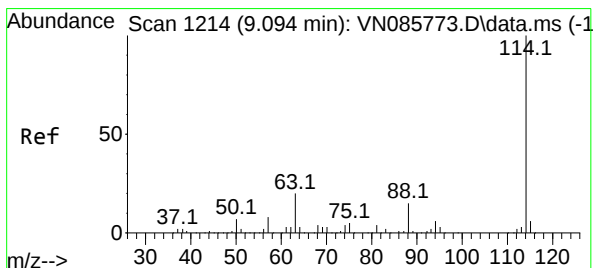
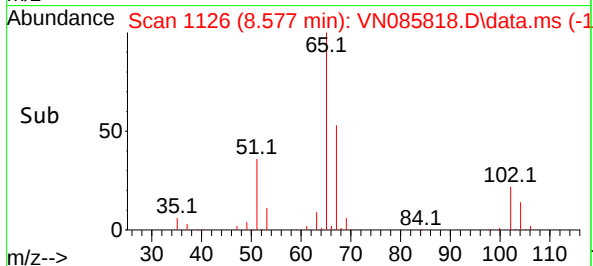
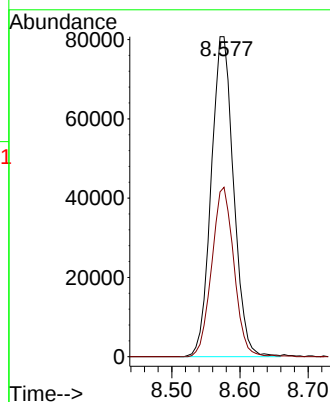
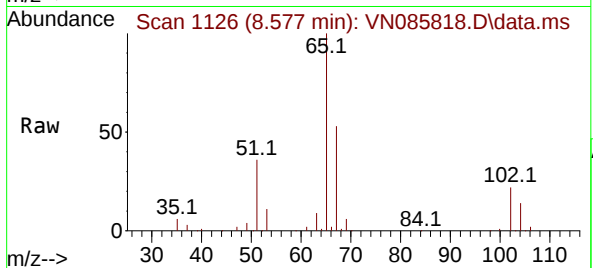
TP7

Tgt Ion: 65 Resp: 184632

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

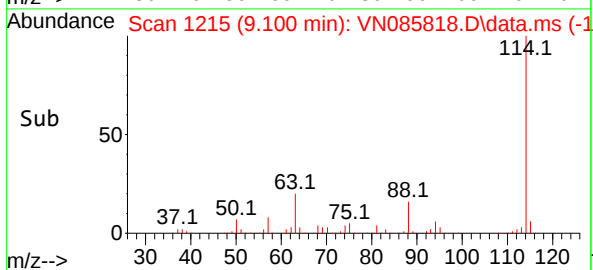
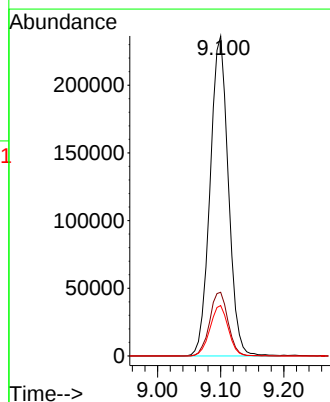
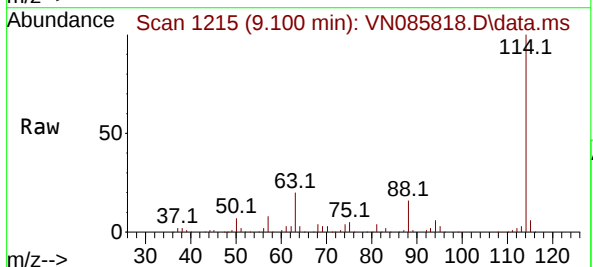
Tgt Ion: 114 Resp: 473702

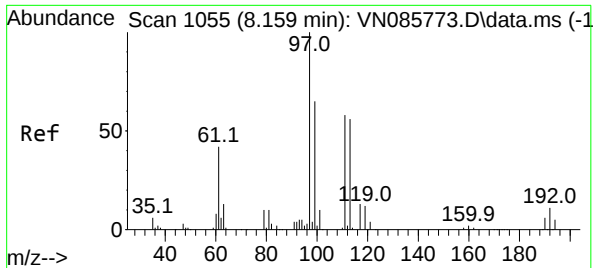
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 15.8 0.0 30.0

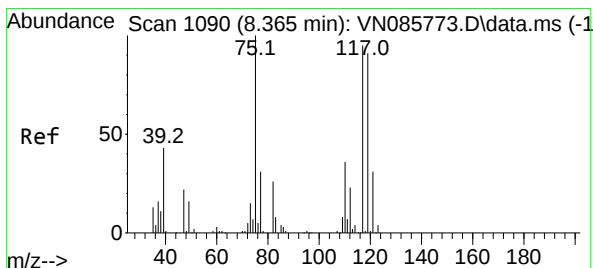
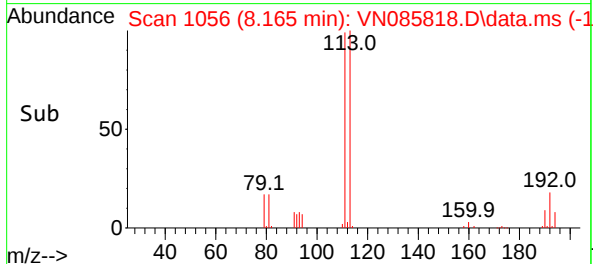
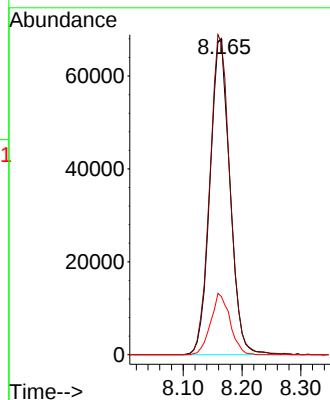
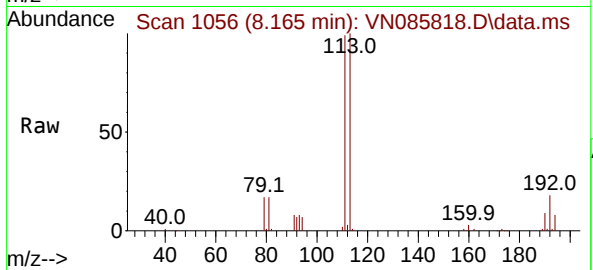




#35
Dibromofluoromethane
Concen: 51.693 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

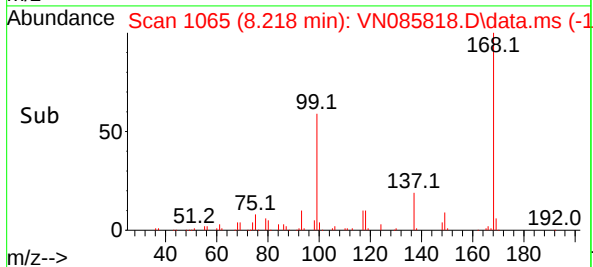
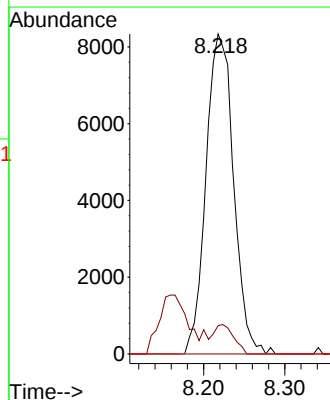
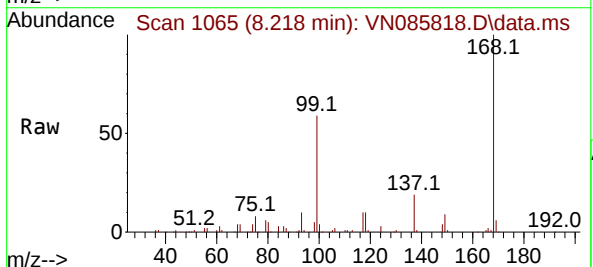
Instrument :
MSVOA_N
ClientSampleId :
TP7

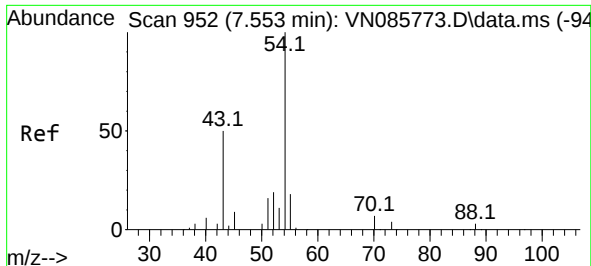
Tgt Ion:113 Resp: 160232
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.8 14.7 22.1



#36
1,1-Dichloropropene
Concen: 4.490 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 75 Resp: 19695
Ion Ratio Lower Upper
75 100
110 6.6 17.3 52.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.092 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

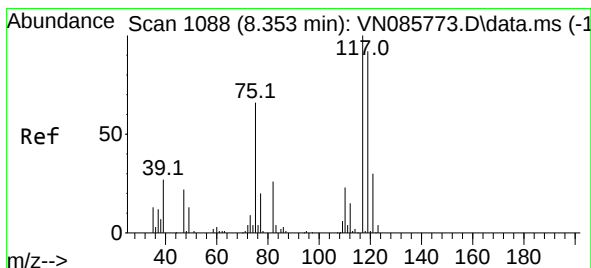
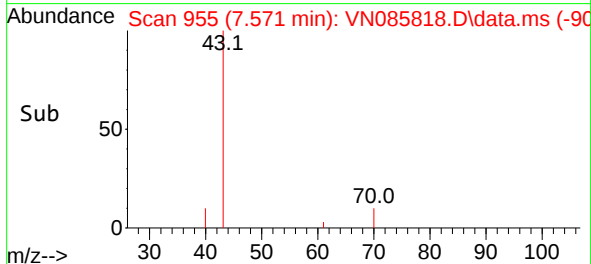
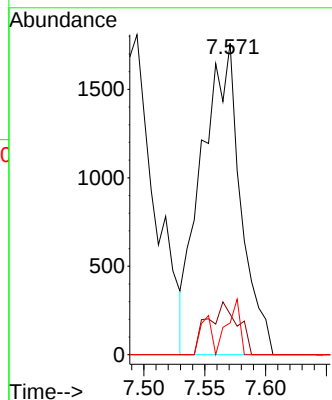
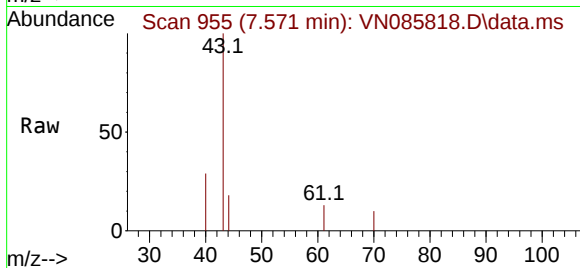
Instrument :

MSVOA_N

ClientSampleId :

TP7

Tgt Ion:	43	Resp:	3942
Ion	Ratio	Lower	Upper
43	100		
61	13.0	12.2	18.2
70	5.8	9.5	14.3



#38

Carbon Tetrachloride

Concen: 4.687 ug/l

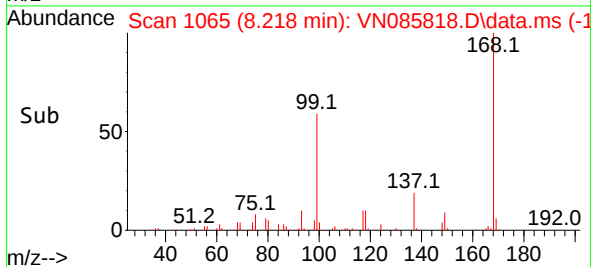
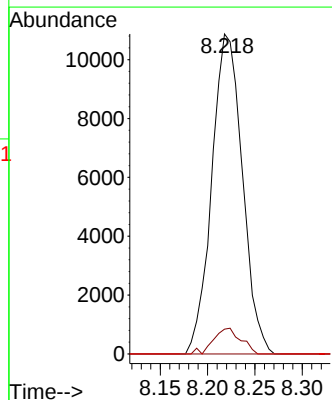
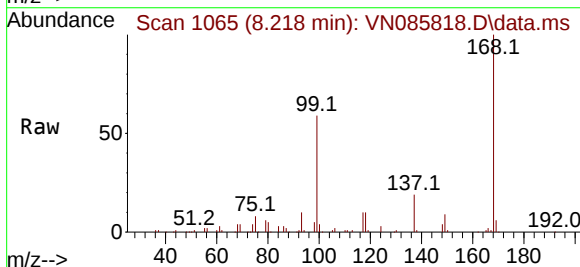
RT: 8.218 min Scan# 1065

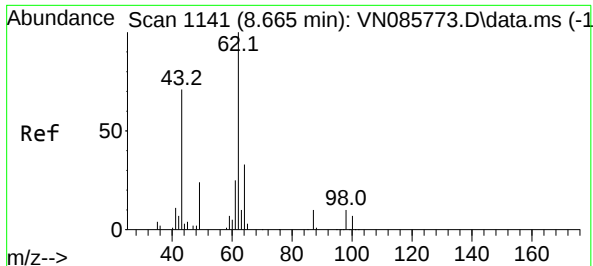
Delta R.T. -0.135 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Tgt Ion:	117	Resp:	24429
Ion	Ratio	Lower	Upper
117	100		
119	7.8	73.8	110.6
121	0.0	24.3	36.5





#42

1,2-Dichloroethane

Concen: 0.310 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.029 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Instrument :

MSVOA_N

ClientSampleId :

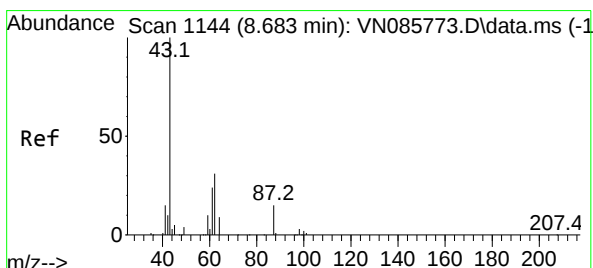
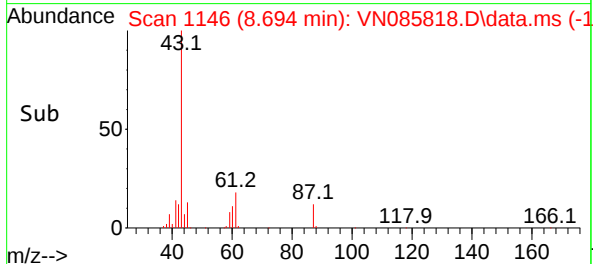
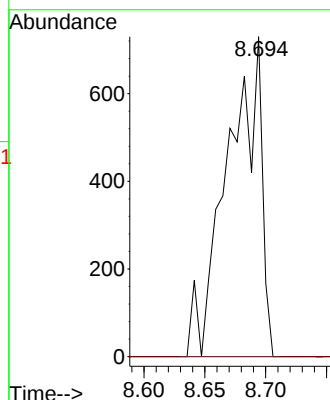
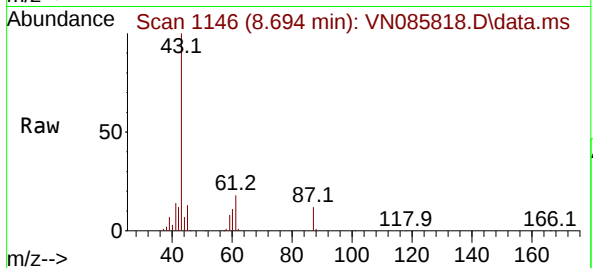
TP7

Tgt Ion: 62 Resp: 1418

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 32.957 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.001 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

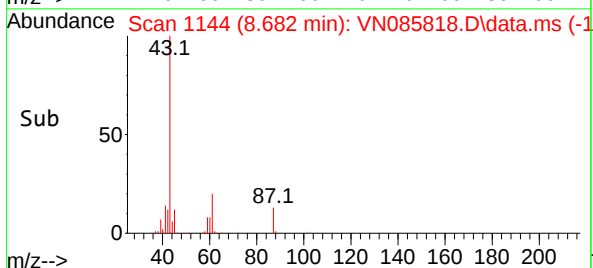
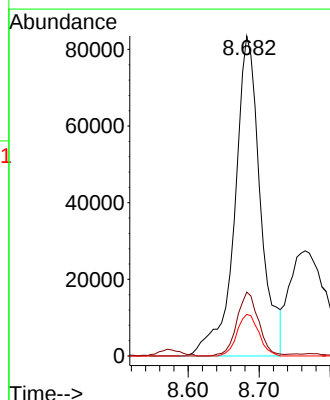
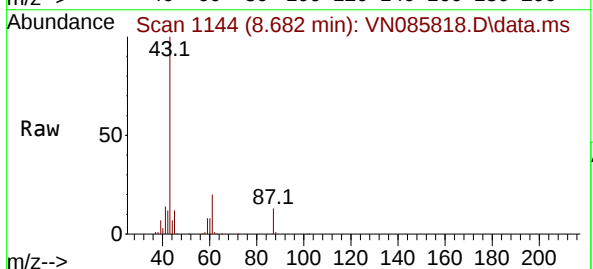
Tgt Ion: 43 Resp: 209988

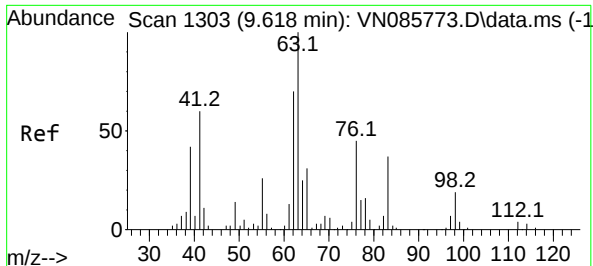
Ion Ratio Lower Upper

43 100

61 16.9 22.6 34.0#

87 11.0 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.707 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Instrument :

MSVOA_N

ClientSampleId :

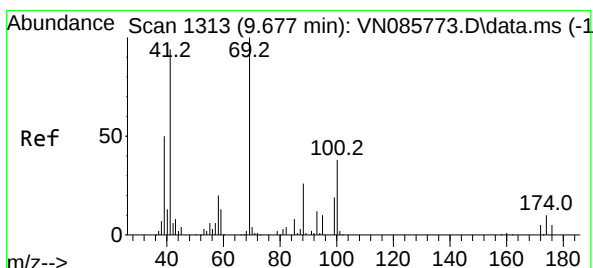
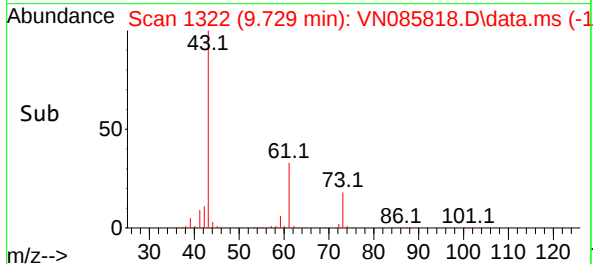
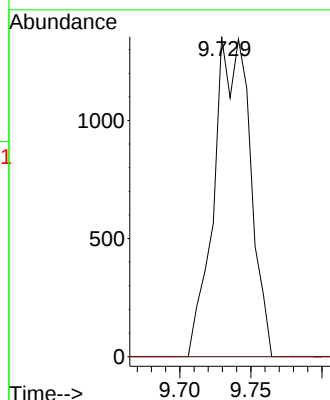
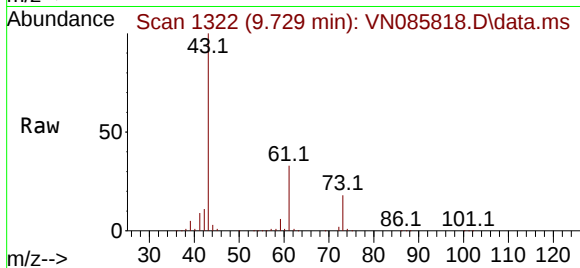
TP7

Tgt Ion: 63 Resp: 2400

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 1.760 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

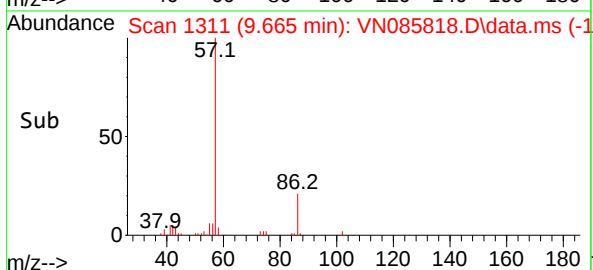
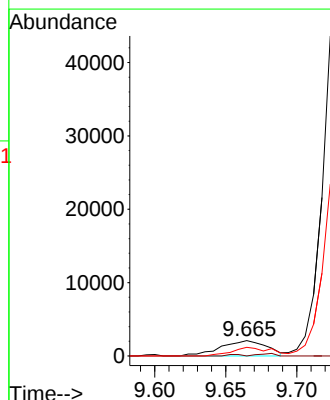
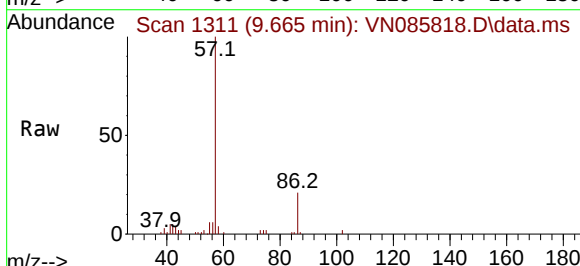
Tgt Ion: 41 Resp: 4720

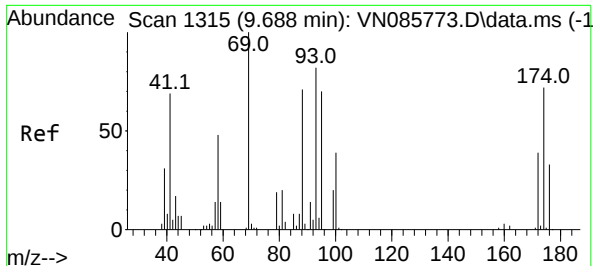
Ion Ratio Lower Upper

41 100

69 2.8 76.0 114.0#

39 0.0 42.3 63.5#





#49

1,4-Dioxane

Concen: 1.510 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN085818.D

Acq: 21 Feb 2025 21:26

Instrument :

MSVOA_N

ClientSampleId :

TP7

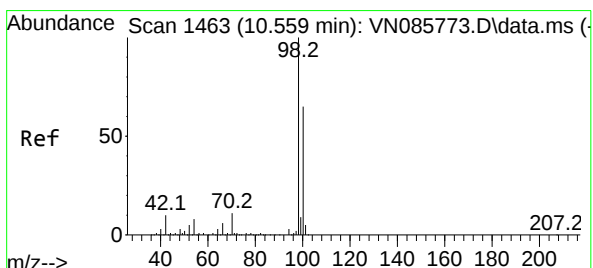
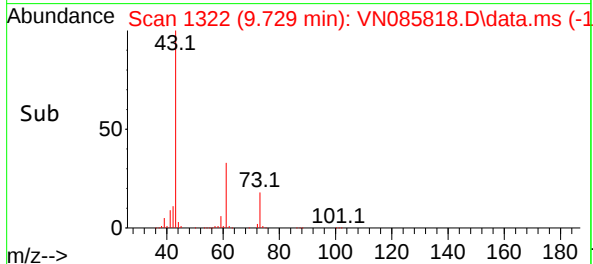
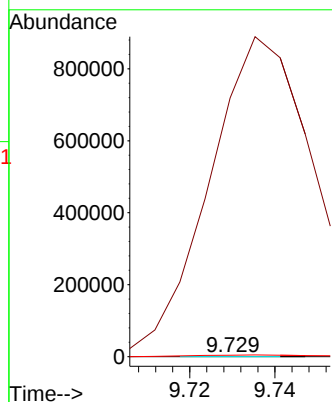
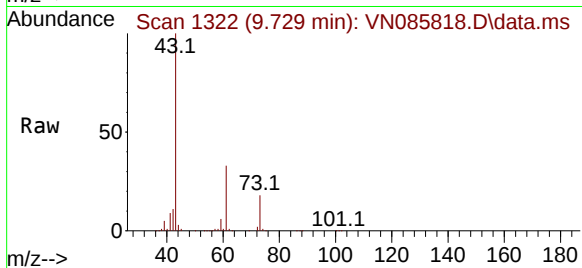
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 2048253.2 18.6 27.8#

58 12702.6 56.7 85.1#



#50

Toluene-d8

Concen: 53.350 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085818.D

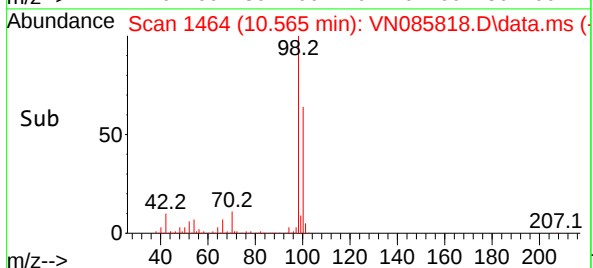
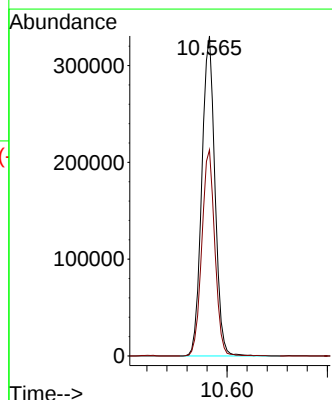
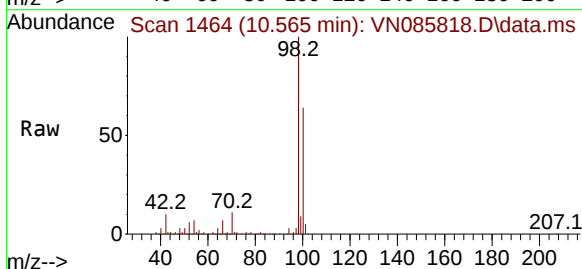
Acq: 21 Feb 2025 21:26

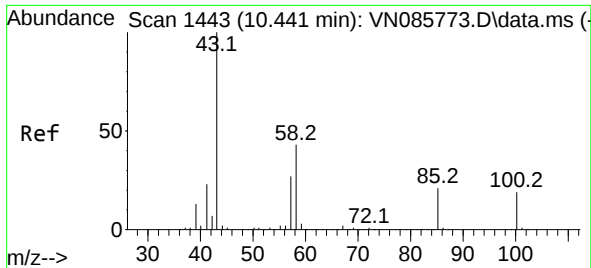
Tgt Ion: 98 Resp: 601659

Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1

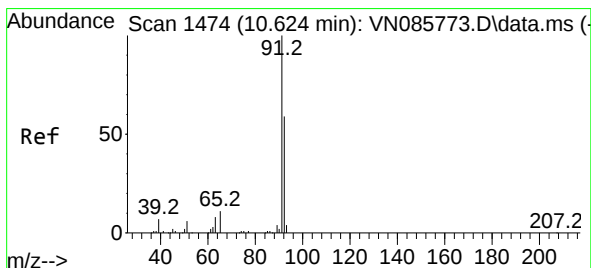
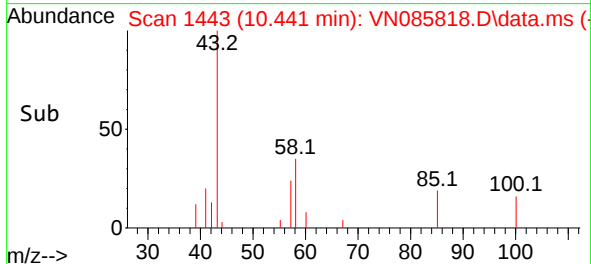
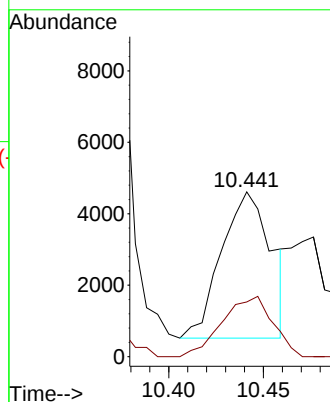
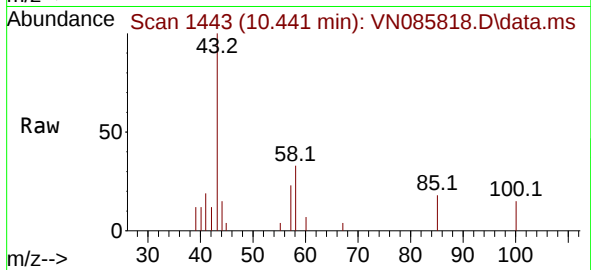




#51
4-Methyl-2-Pentanone
Concen: 2.165 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

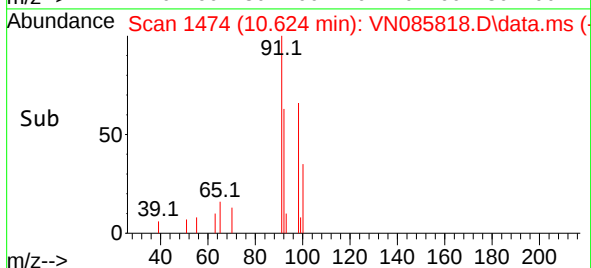
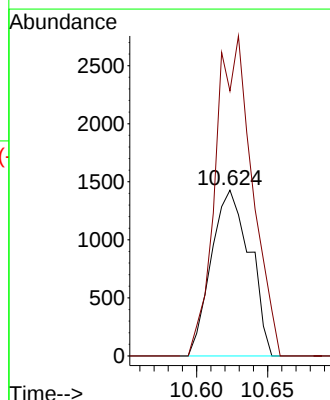
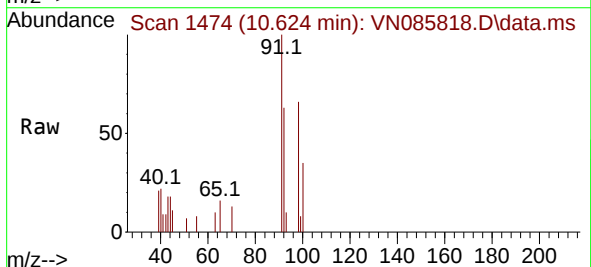
Instrument :
MSVOA_N
ClientSampleId :
TP7

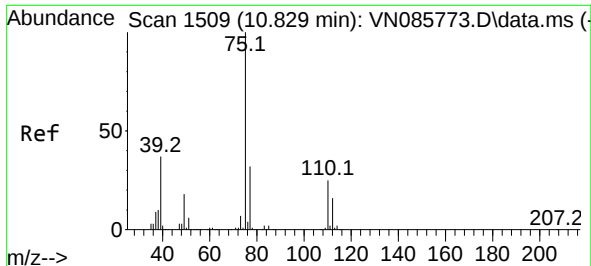
Tgt Ion: 43 Resp: 7534
Ion Ratio Lower Upper
43 100
58 41.6 34.6 52.0



#52
Toluene
Concen: 0.328 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 92 Resp: 2702
Ion Ratio Lower Upper
92 100
91 183.9 136.9 205.3

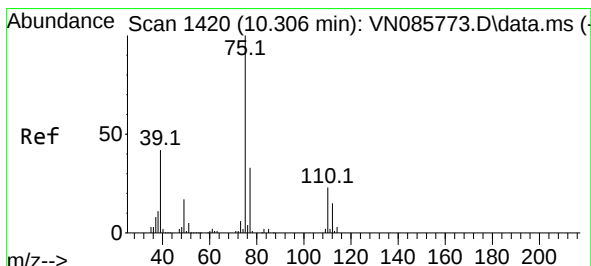
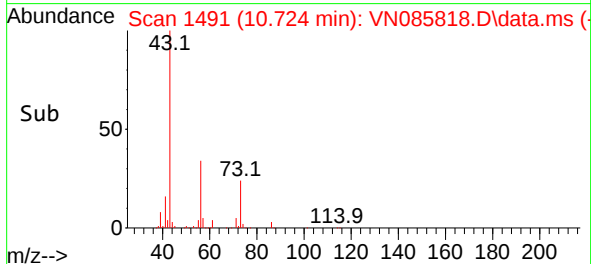
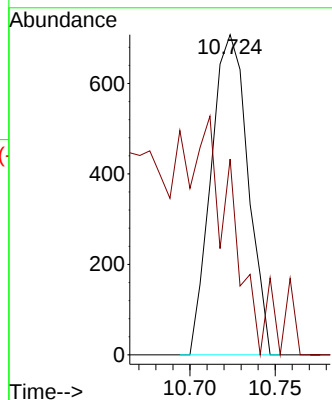
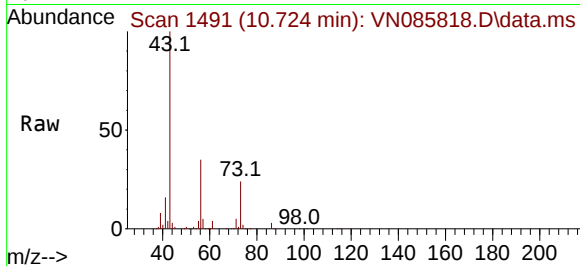




#53
t-1,3-Dichloropropene
Concen: 0.225 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.106 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

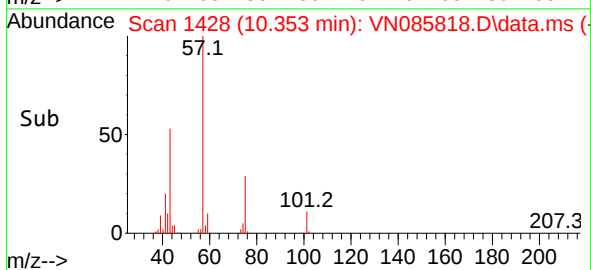
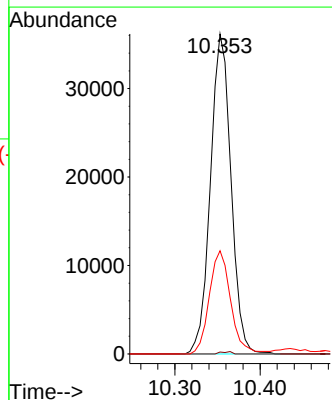
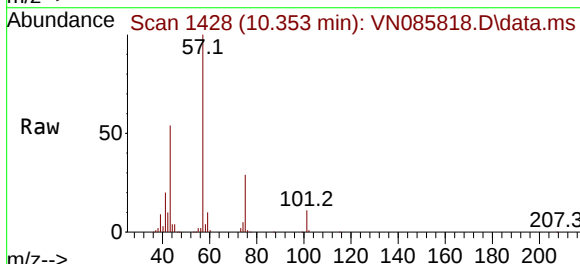
Instrument :
MSVOA_N
ClientSampleId :
TP7

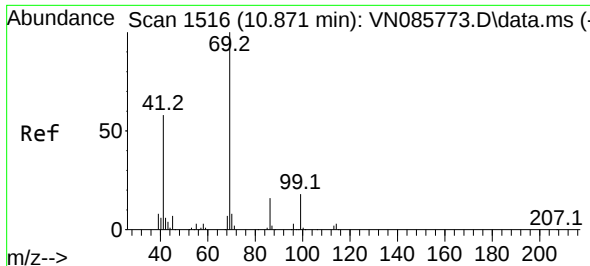
Tgt Ion: 75 Resp: 1067
Ion Ratio Lower Upper
75 100
77 61.2 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.675 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 75 Resp: 60632
Ion Ratio Lower Upper
75 100
77 0.6 26.1 39.1#
39 32.3 33.4 50.0#

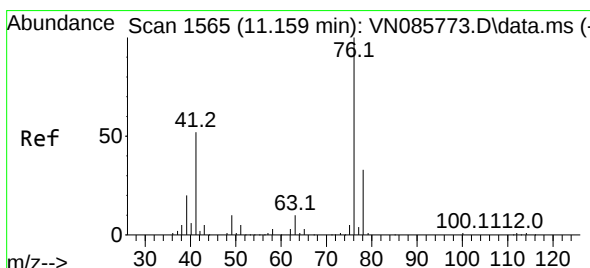
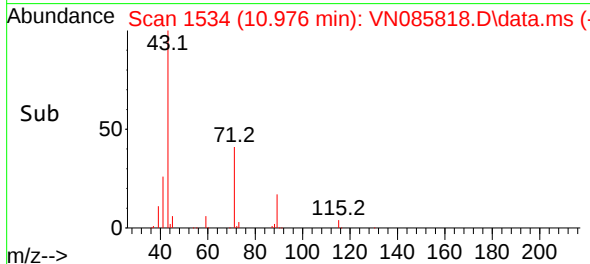
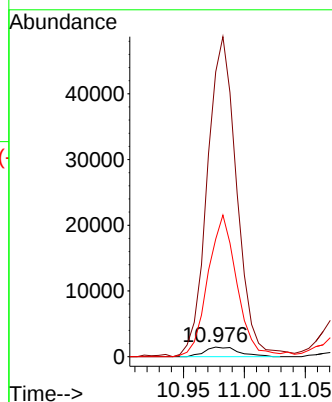
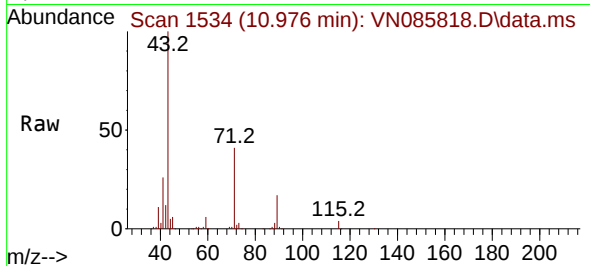




#56
Ethyl methacrylate
Concen: 1.136 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

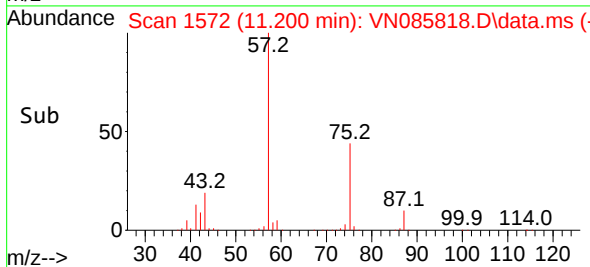
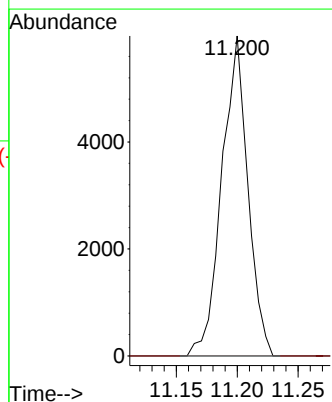
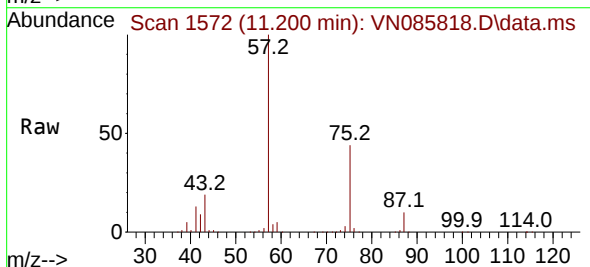
Instrument :
MSVOA_N
ClientSampleId :
TP7

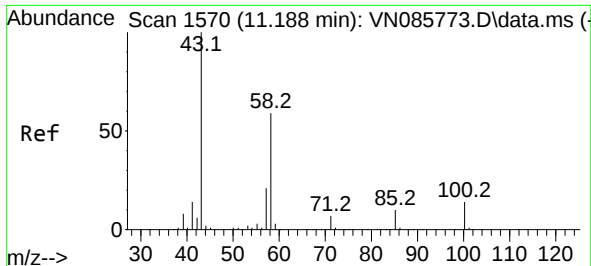
Tgt Ion: 69 Resp: 2857
Ion Ratio Lower Upper
69 100
41 2887.9 46.0 69.0#
39 1265.2 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.630 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 76 Resp: 8919
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

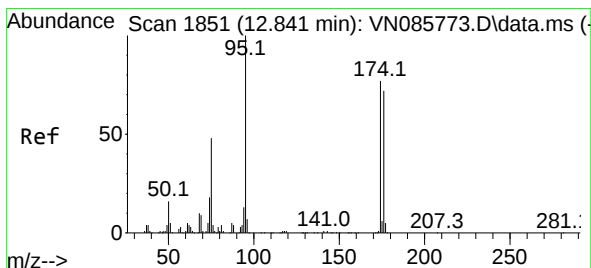
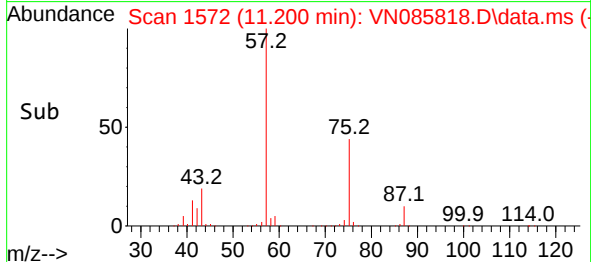
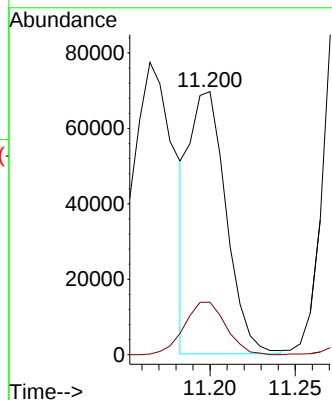
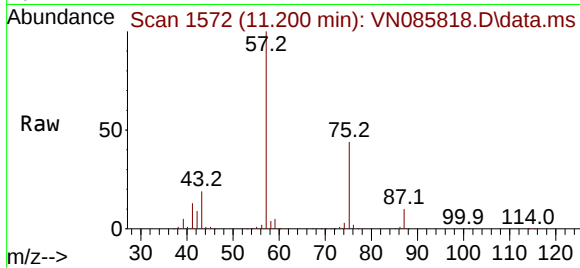




#59
2-Hexanone
Concen: 43.752 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

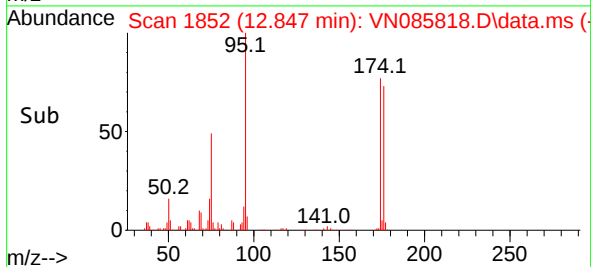
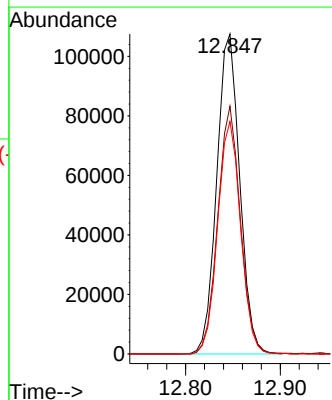
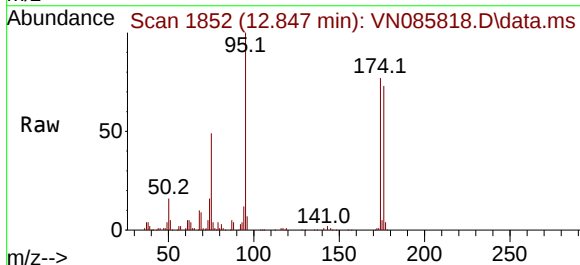
Instrument :
MSVOA_N
ClientSampleId :
TP7

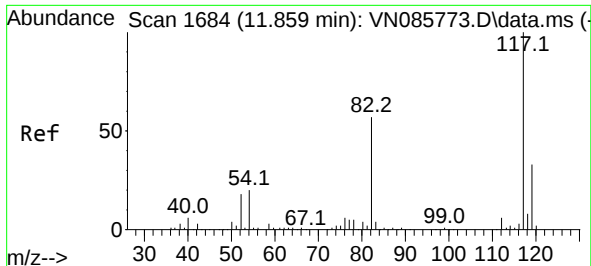
Tgt Ion: 43 Resp: 104764
Ion Ratio Lower Upper
43 100
58 22.6 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 48.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion: 95 Resp: 181358
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.4
176 72.5 0.0 146.6

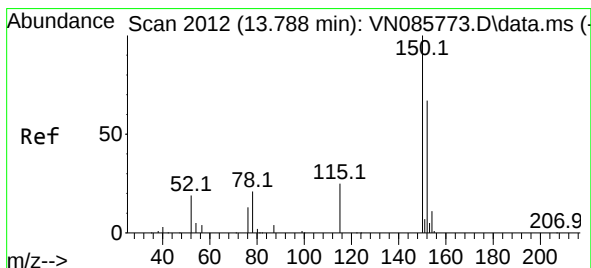
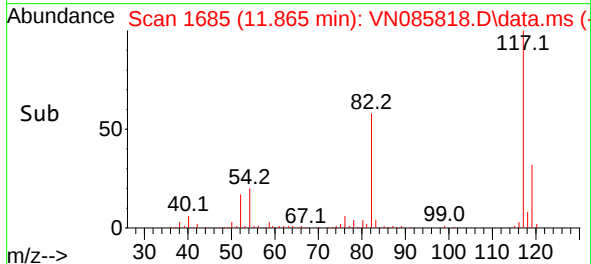
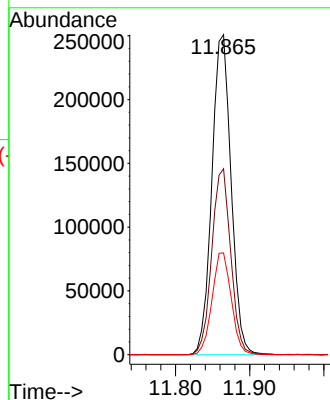
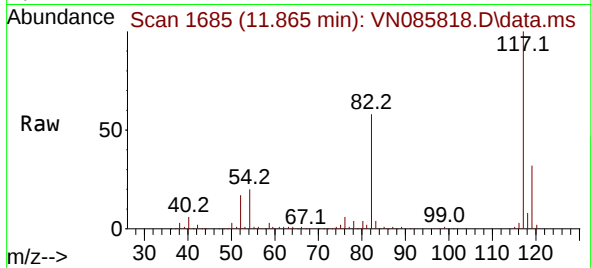




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

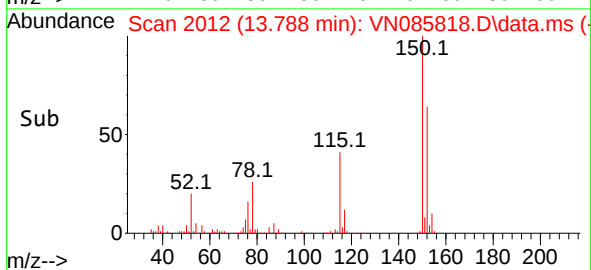
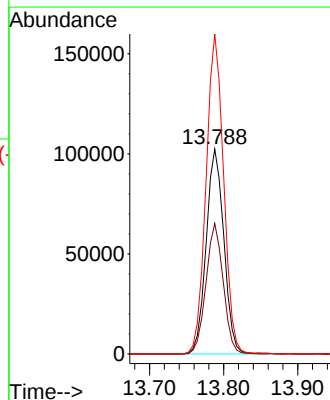
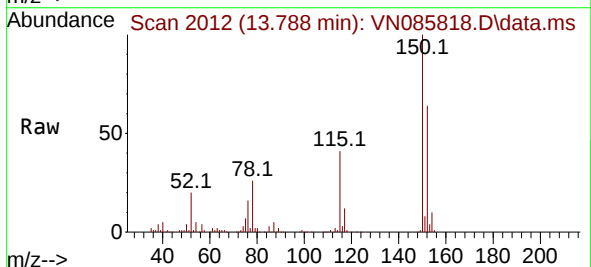
Instrument :
MSVOA_N
ClientSampleId :
TP7

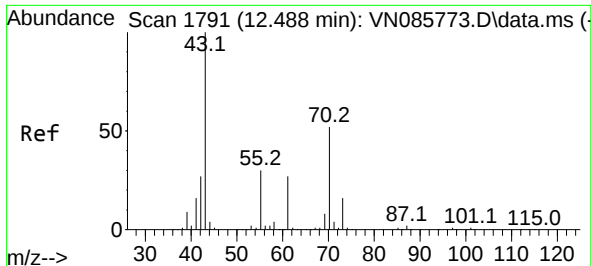
Tgt Ion:117 Resp: 452139
Ion Ratio Lower Upper
117 100
82 58.1 45.7 68.5
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion:152 Resp: 170309
Ion Ratio Lower Upper
152 100
115 61.9 30.4 91.3
150 154.6 0.0 345.4

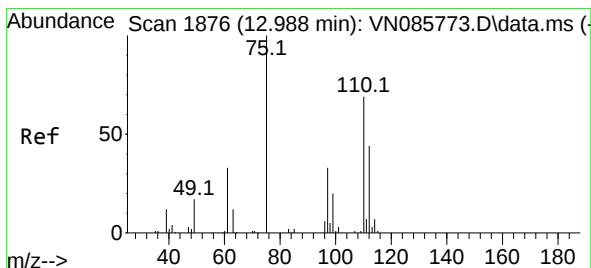
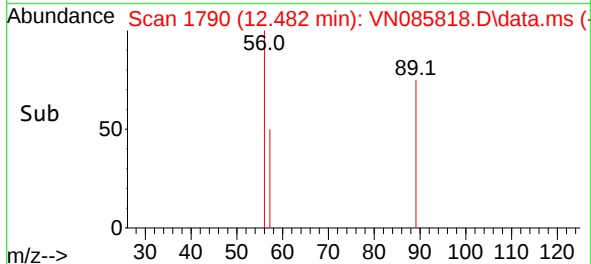
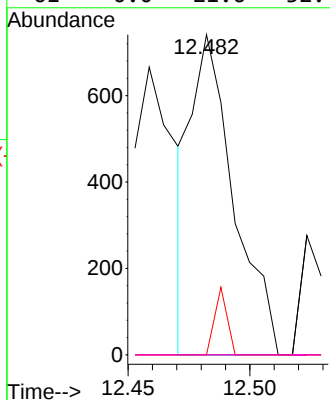
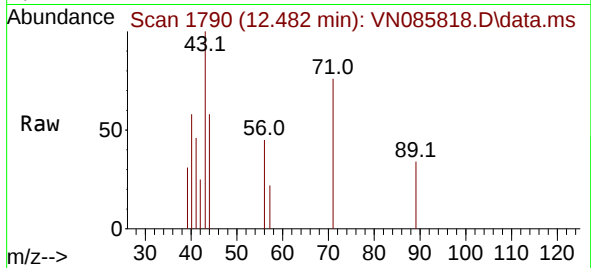




#74
N-amy1 acetate
Concen: 0.221 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

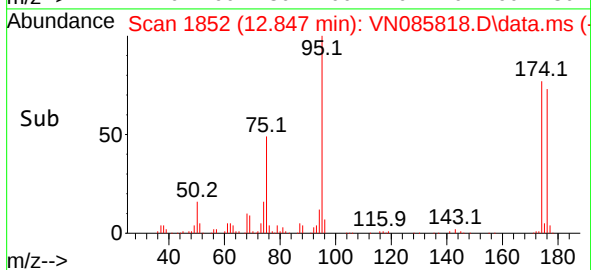
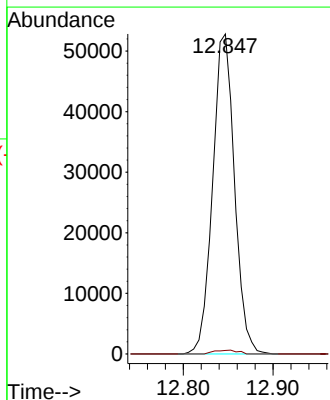
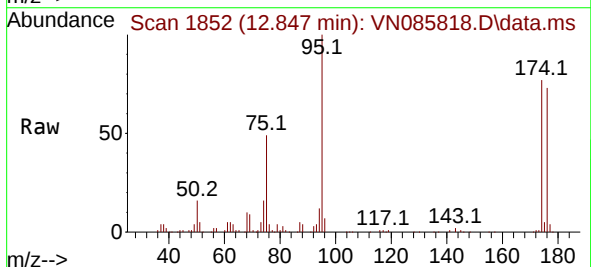
Instrument :
MSVOA_N
ClientSampleId :
TP7

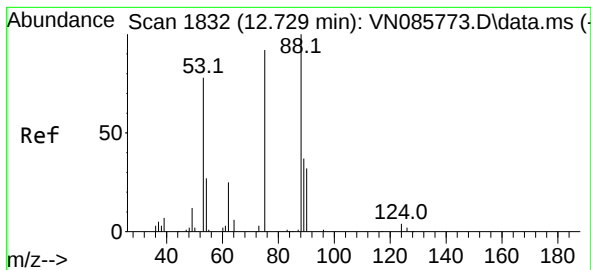
Tgt Ion:	43	Resp:	911
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.4#
55	0.0	24.6	36.8#
61	0.0	21.6	32.4#



#76
1,2,3-Trichloropropane
Concen: 23.614 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085818.D
Acq: 21 Feb 2025 21:26

Tgt Ion:	75	Resp:	89334
Ion	Ratio	Lower	Upper
75	100		
77	1.3	100.0	300.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.899 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN085818.D
 Acq: 21 Feb 2025 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TP7

Tgt Ion: 75 Resp: 89334
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.2 111.4#
 89 0.0 34.9 52.3#

