

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085047.D
 Acq On : 26 Nov 2024 16:59
 Operator : JC\MD
 Sample : P5000-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 05:17:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

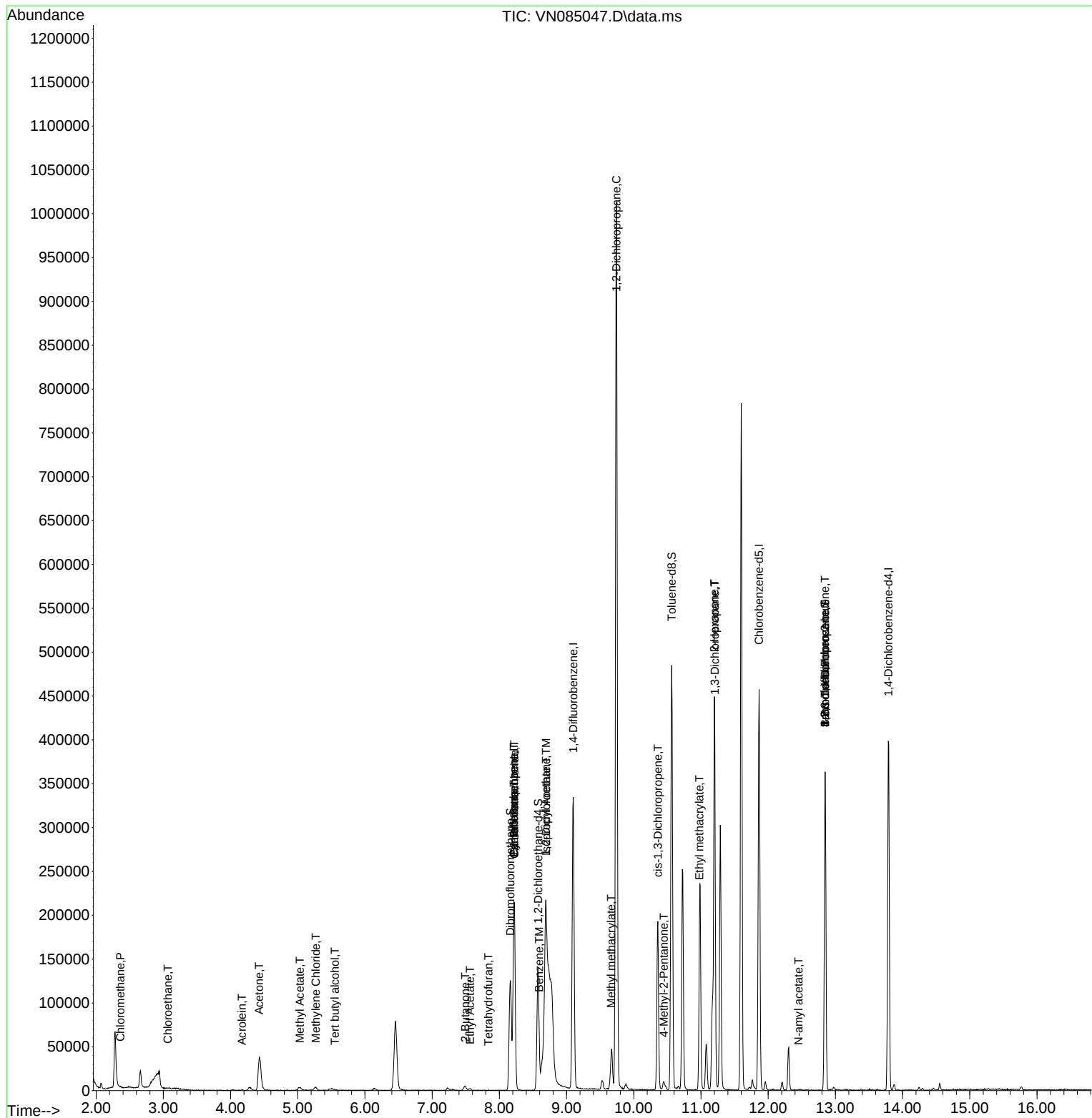
Internal Standards						
1) Pentafluorobenzene	8.218	168	155561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117216	52.899	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	105.800%	
35) Dibromofluoromethane	8.165	113	95454	49.661	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.320%	
50) Toluene-d8	10.565	98	330691	48.007	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.020%	
62) 4-Bromofluorobenzene	12.847	95	124207	48.216	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	96.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	697	0.342	ug/l #	40
6) Chloroethane	3.065	64	349	0.282	ug/l #	44
11) Tert butyl alcohol	5.553	59	499	1.685	ug/l #	75
13) Acrolein	4.171	56	668	3.381	ug/l #	77
16) Acetone	4.424	43	71874	111.373	ug/l	93
18) Methyl Acetate	5.030	43	7995	2.793	ug/l #	66
20) Methylene Chloride	5.271	84	2564	1.302	ug/l	96
25) 2-Butanone	7.494	43	8748	8.291	ug/l #	87
29) Tetrahydrofuran	7.835	42	232	0.354	ug/l #	31
31) Cyclohexane	8.218	56	3945	1.337	ug/l #	21
36) 1,1-Dichloropropene	8.218	75	13353	5.129	ug/l #	50
37) Ethyl Acetate	7.565	43	3227	1.363	ug/l #	88
38) Carbon Tetrachloride	8.224	117	17215	5.728	ug/l #	18
40) Benzene	8.594	78	1684	0.205	ug/l #	89
42) 1,2-Dichloroethane	8.694	62	1272	0.452	ug/l #	75
43) Isopropyl Acetate	8.694	43	506553	103.035	ug/l #	65
45) 1,2-Dichloropropane	9.741	63	1230	0.606	ug/l #	45
48) Methyl methacrylate	9.665	41	3115	1.703	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	9773	4.352	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	34000	10.703	ug/l #	67
56) Ethyl methacrylate	10.976	69	1229	0.463	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4567	1.429	ug/l #	42
59) 2-Hexanone	11.200	43	54677	32.556	ug/l #	54
71) Bromoform	12.847	173	585	0.380	ug/l #	1
74) N-amyl acetate	12.453	43	1876	0.587	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	65075	32.540	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65075	71.835	ug/l #	10

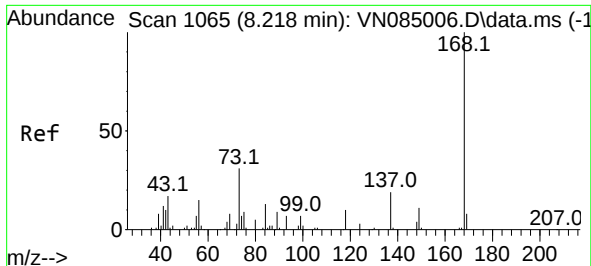
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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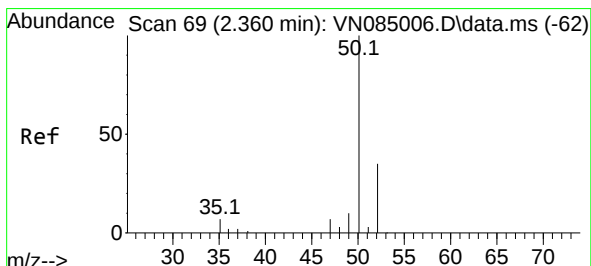
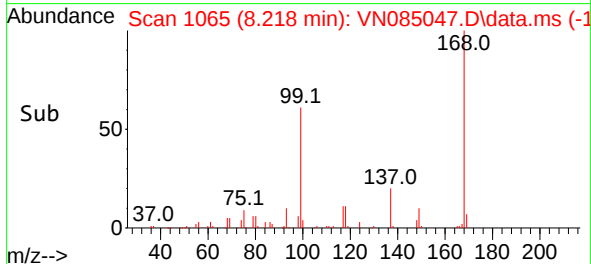
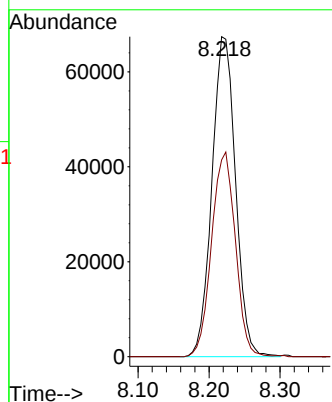
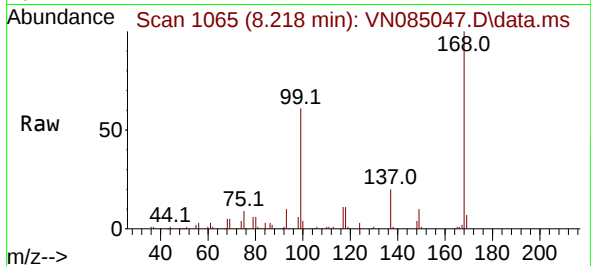




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

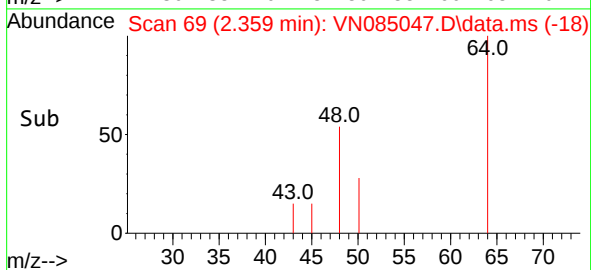
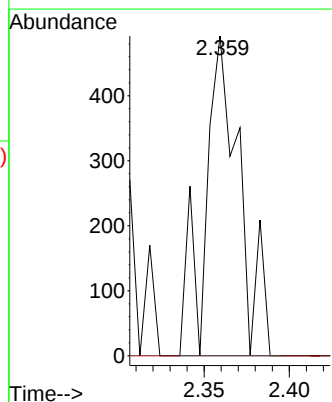
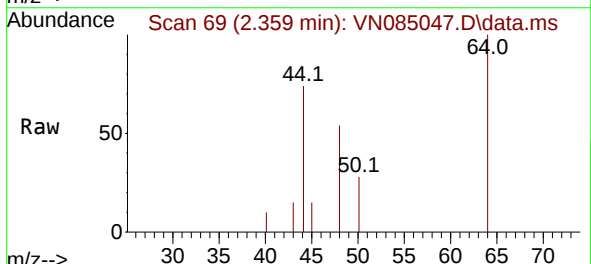
Instrument :
MSVOA_N
ClientSampleId :

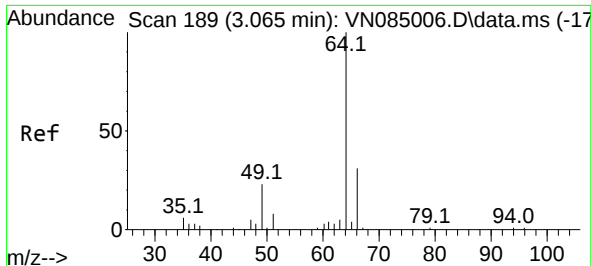
Tgt Ion:168 Resp: 155561
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8



#3
Chloromethane
Concen: 0.342 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 50 Resp: 697
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

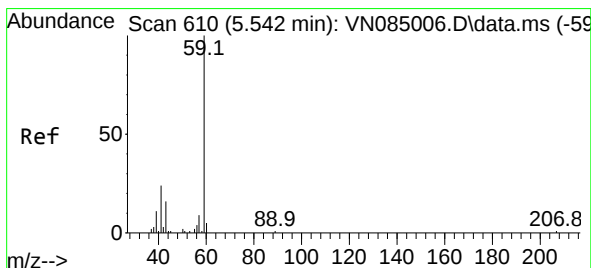
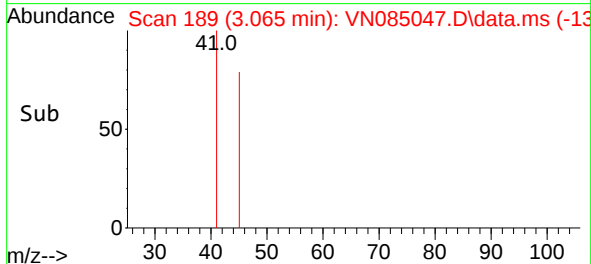
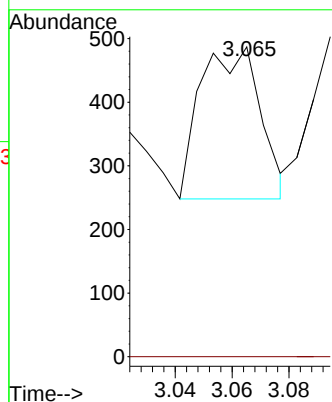
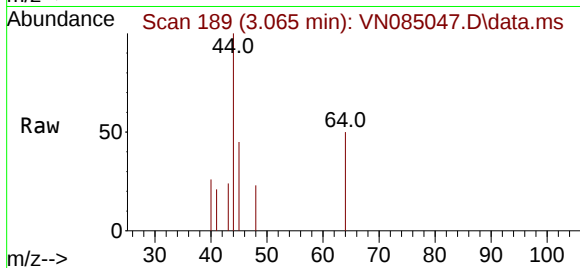




#6
Chloroethane
Concen: 0.282 ug/l
RT: 3.065 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

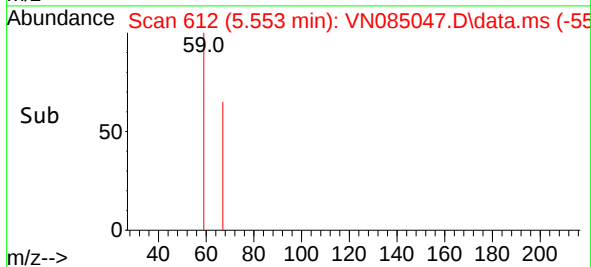
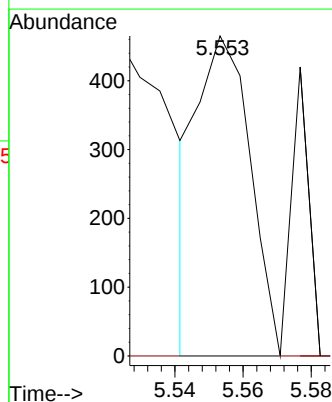
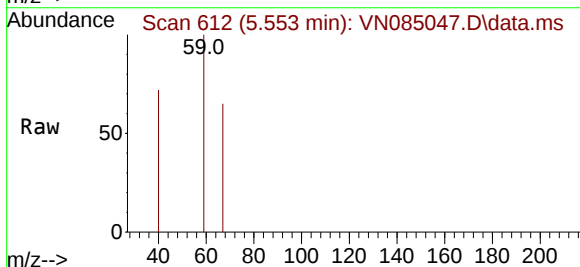
Instrument :
MSVOA_N
ClientSampleId :

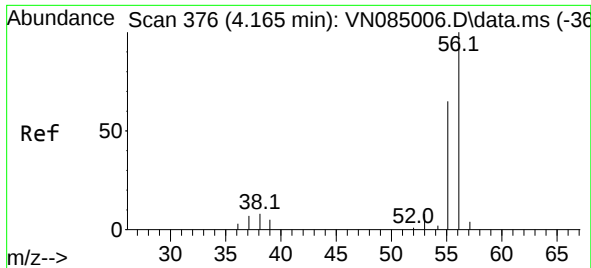
Tgt Ion: 64 Resp: 349
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#11
Tert butyl alcohol
Concen: 1.685 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 59 Resp: 499
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: 3.381 ug/l

RT: 4.171 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

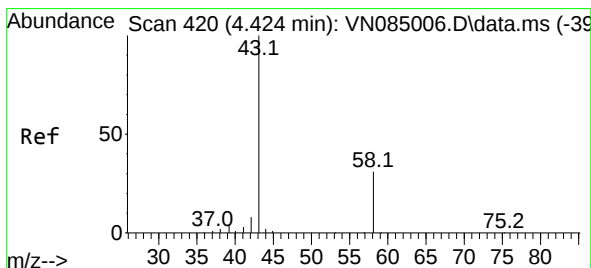
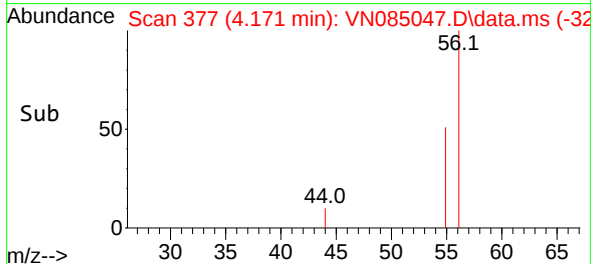
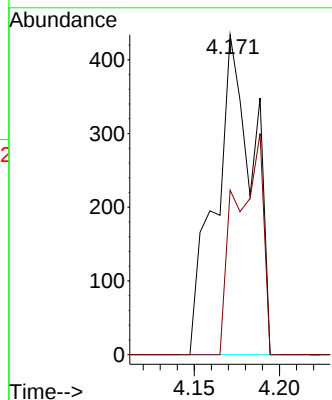
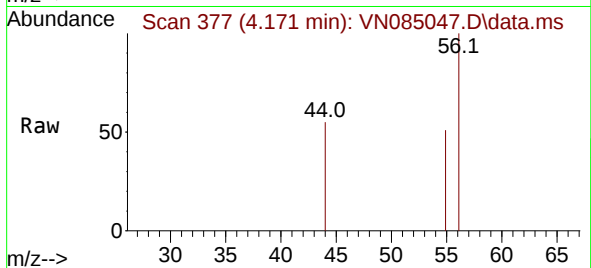
ClientSampleId :

Tgt Ion: 56 Resp: 668

Ion Ratio Lower Upper

56 100

55 49.1 54.5 81.7#



#16

Acetone

Concen: 111.373 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN085047.D

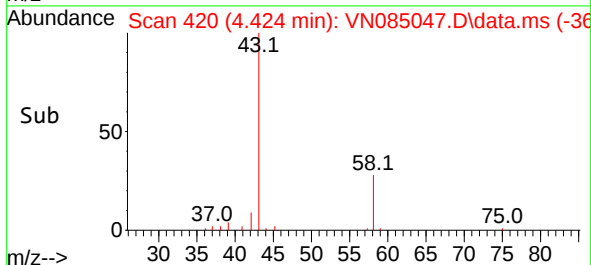
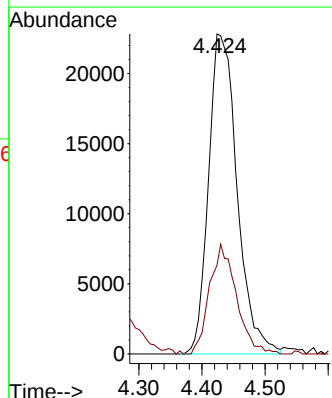
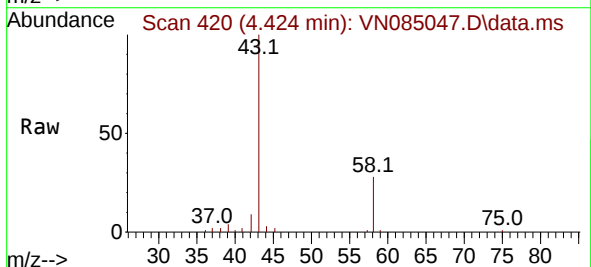
Acq: 26 Nov 2024 16:59

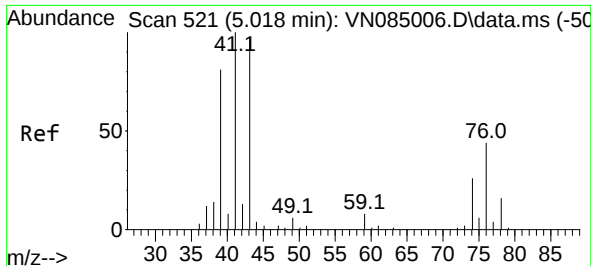
Tgt Ion: 43 Resp: 71874

Ion Ratio Lower Upper

43 100

58 27.7 25.4 38.2

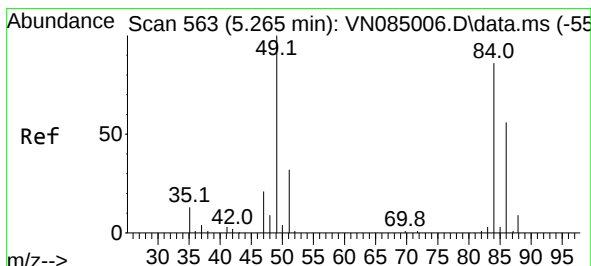
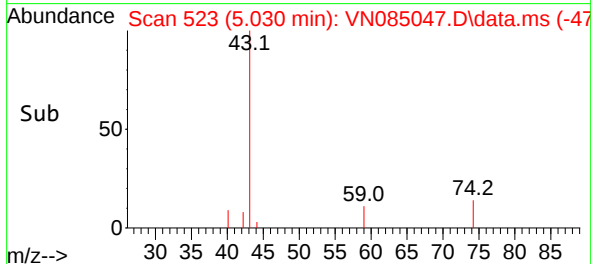
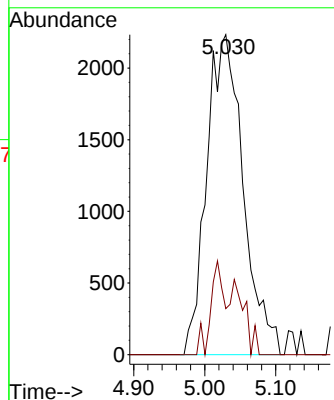
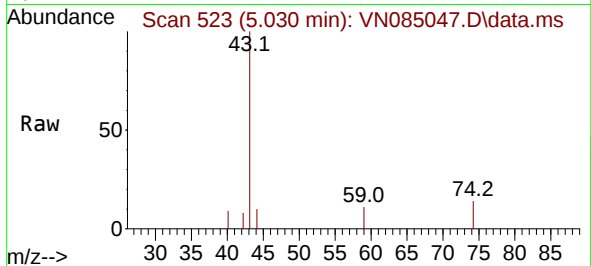




#18
Methyl Acetate
Concen: 2.793 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

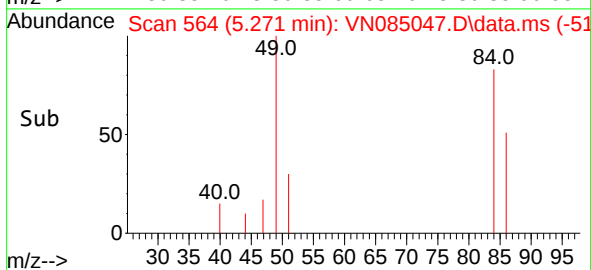
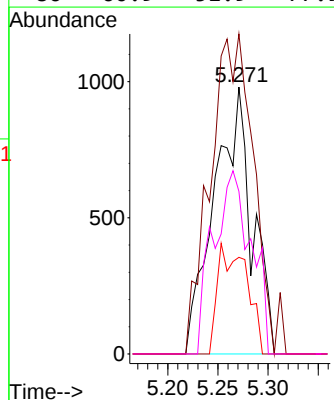
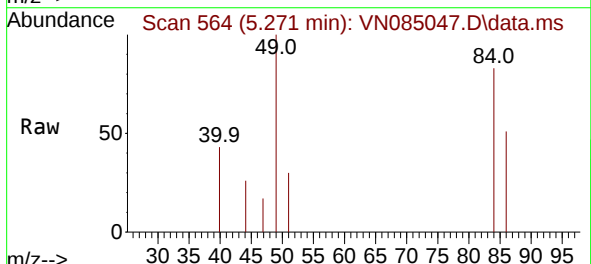
Instrument :
MSVOA_N
ClientSampleId :

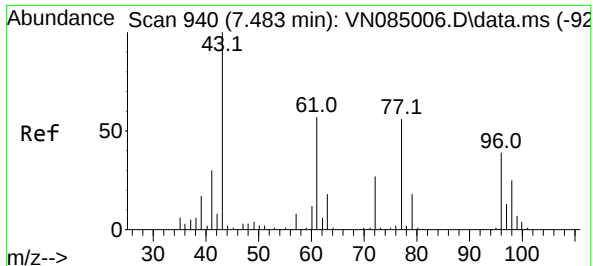
Tgt Ion: 43 Resp: 7995
Ion Ratio Lower Upper
43 100
74 8.1 20.1 30.1#



#20
Methylene Chloride
Concen: 1.302 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 84 Resp: 2564
Ion Ratio Lower Upper
84 100
49 119.9 92.7 139.1
51 36.2 29.4 44.2
86 60.9 51.9 77.9





#25

2-Butanone

Concen: 8.291 ug/l

RT: 7.494 min Scan# 940

Delta R.T. 0.012 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

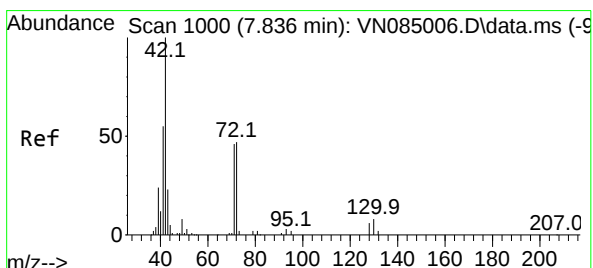
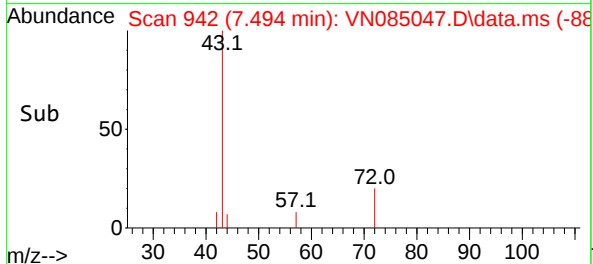
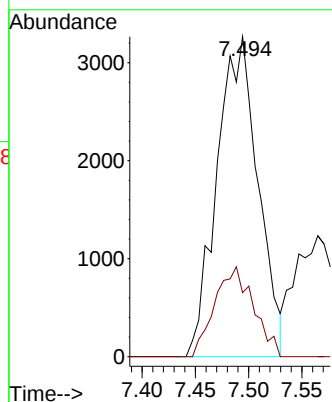
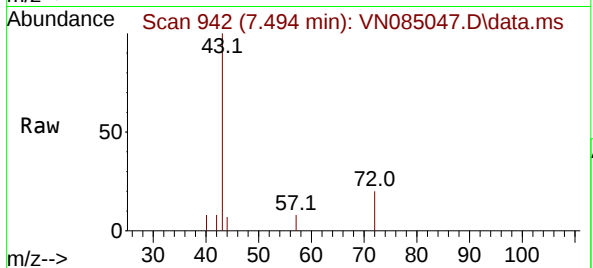
ClientSampleId :

Tgt Ion: 43 Resp: 8748

Ion Ratio Lower Upper

43 100

72 20.0 21.4 32.0#



#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

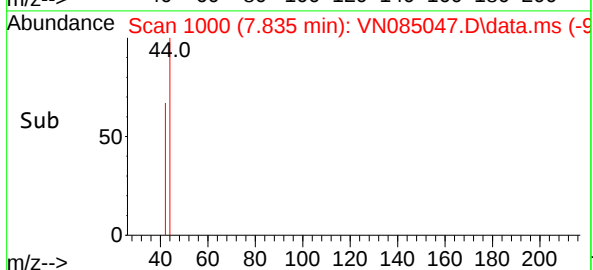
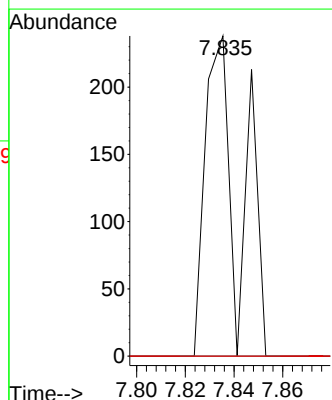
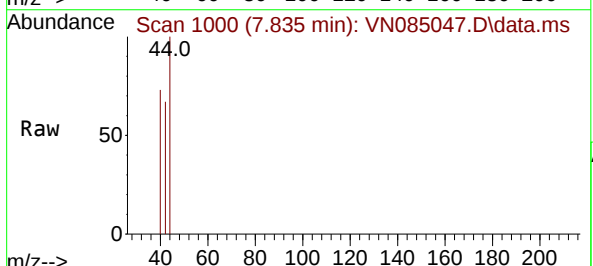
Tgt Ion: 42 Resp: 232

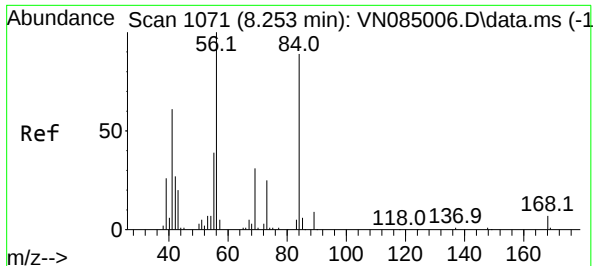
Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

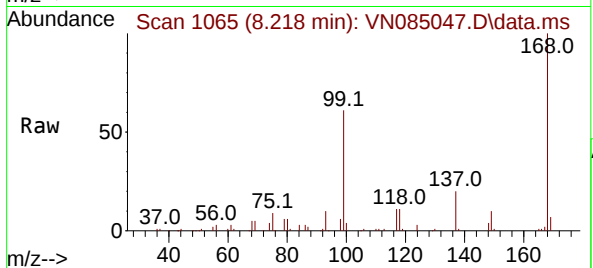
71 0.0 35.0 52.4#



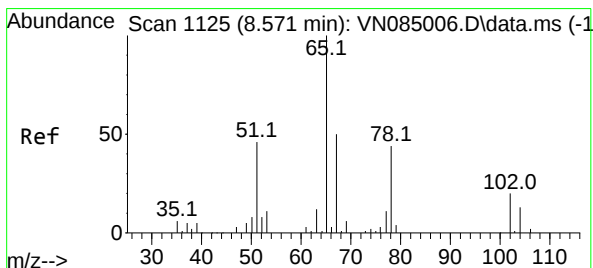
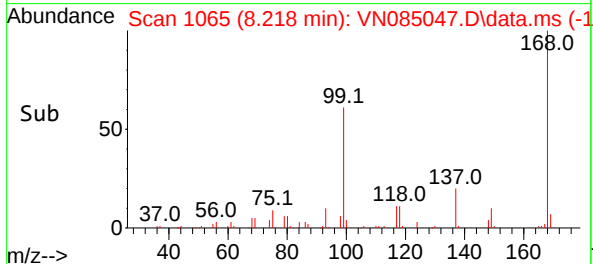
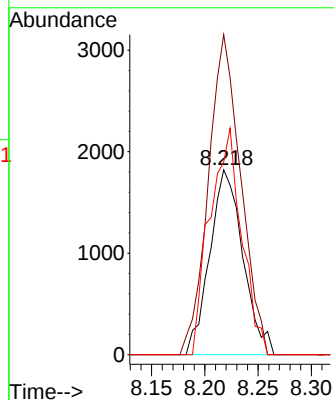


#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

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ClientSampleId :

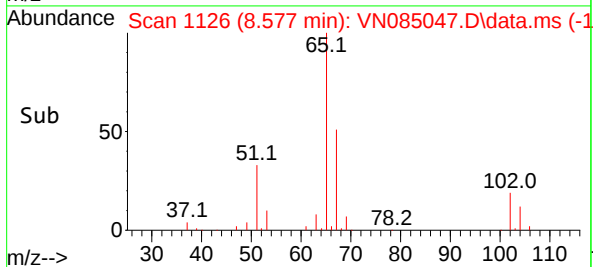
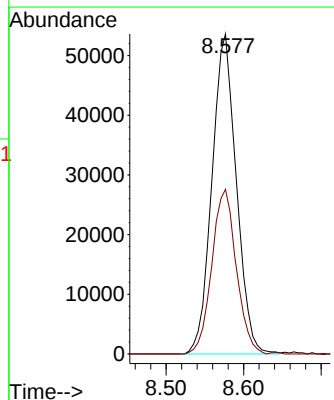
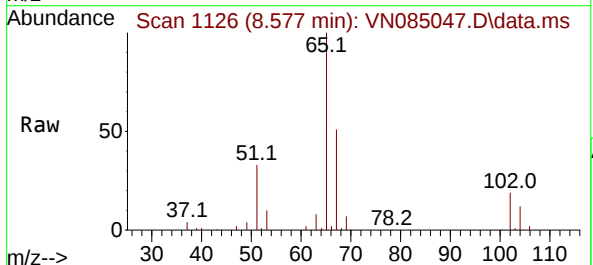


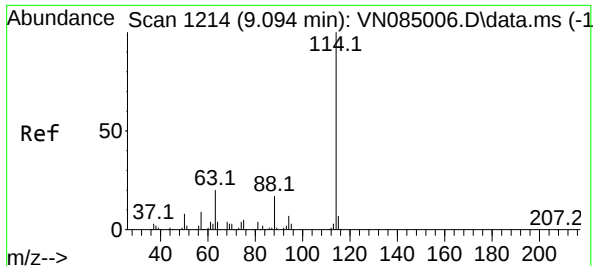
Tgt Ion: 56 Resp: 3945
Ion Ratio Lower Upper
56 100
69 173.2 24.6 36.8#
84 104.3 71.4 107.2



#33
1,2-Dichloroethane-d4
Concen: 52.899 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 65 Resp: 117216
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :

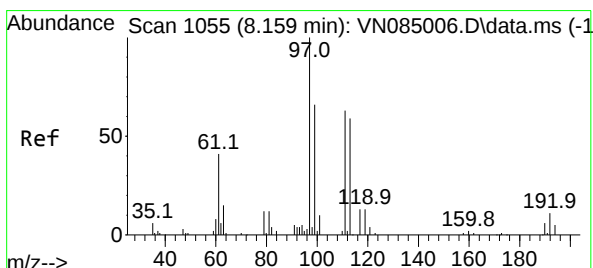
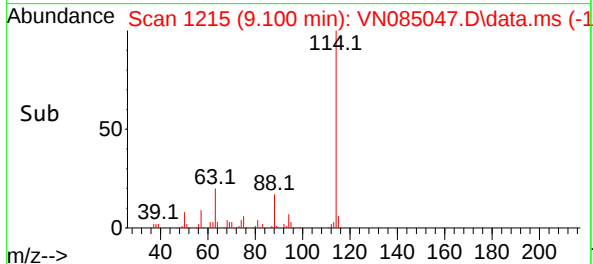
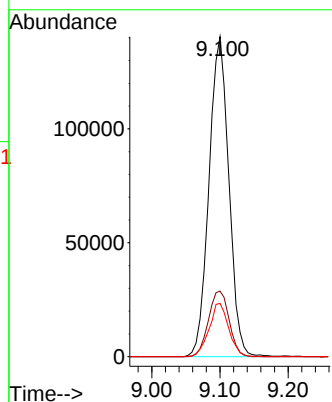
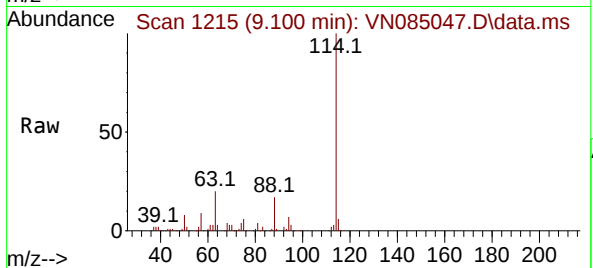
Tgt Ion:114 Resp: 285025

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 16.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.661 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

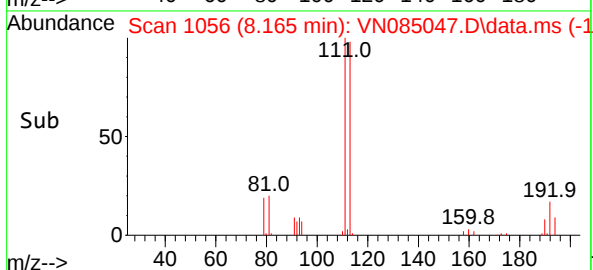
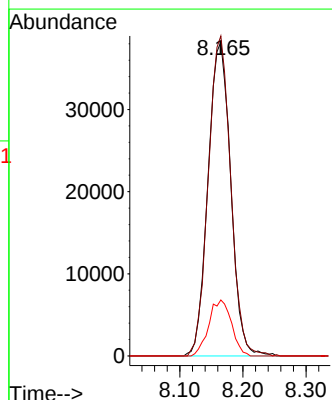
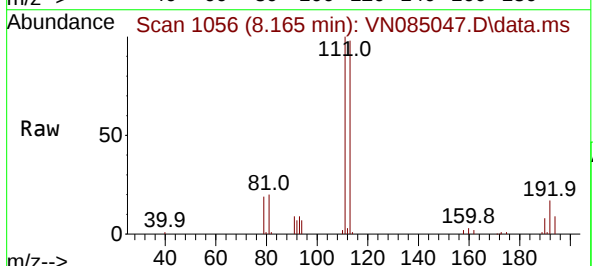
Tgt Ion:113 Resp: 95454

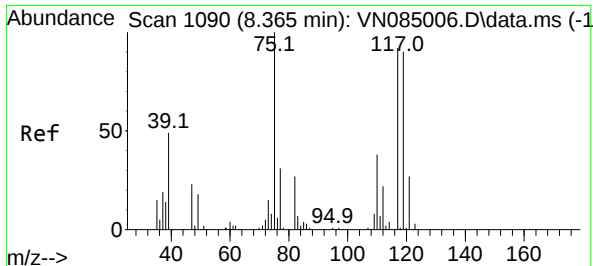
Ion Ratio Lower Upper

113 100

111 100.5 82.0 123.0

192 17.8 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.129 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

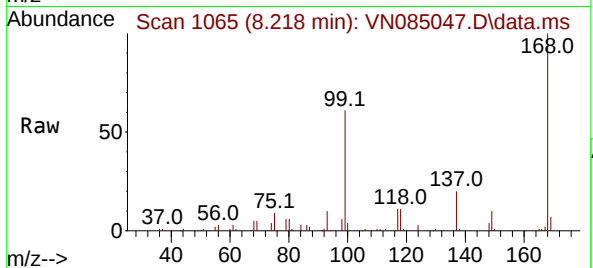
Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

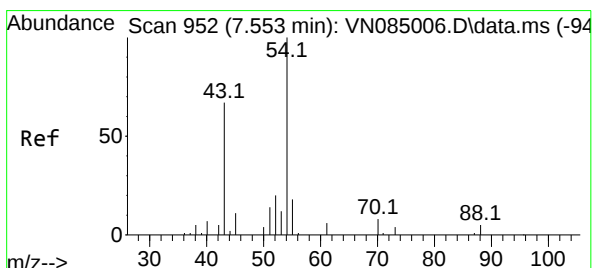
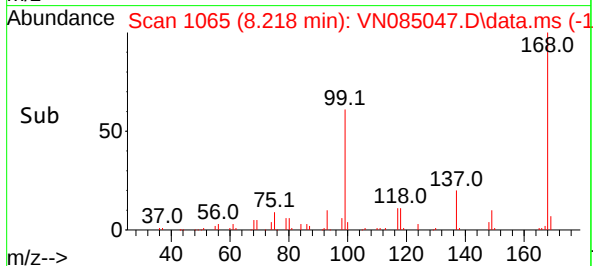
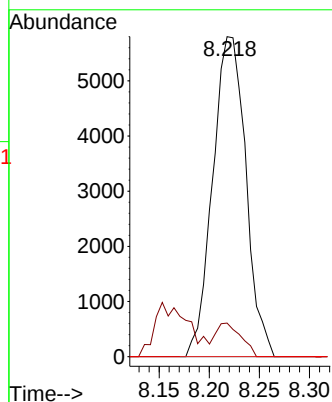
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13353
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.2	51.6#
77	0.0	24.2	36.4#



#37

Ethyl Acetate

Concen: 1.363 ug/l

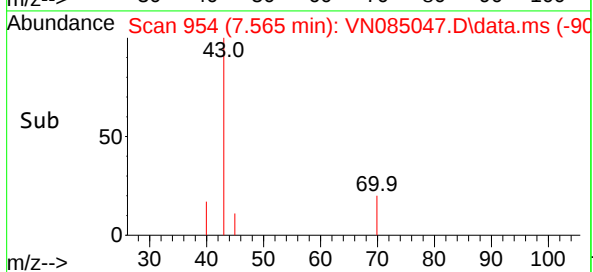
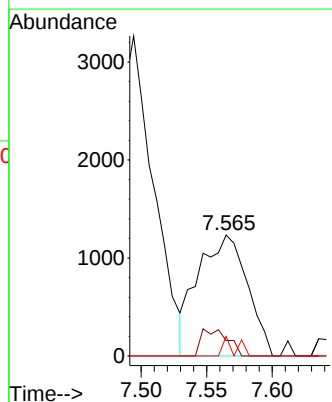
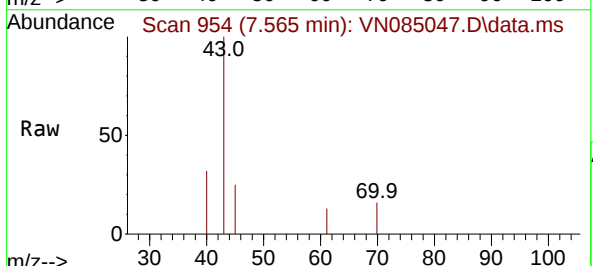
RT: 7.565 min Scan# 954

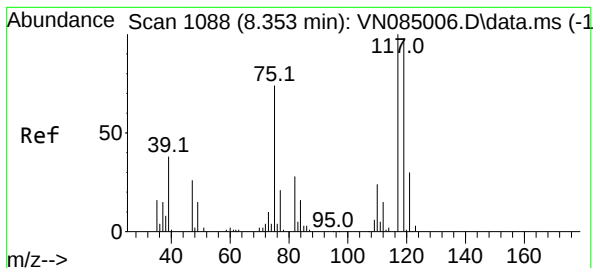
Delta R.T. 0.012 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Tgt Ion:	43	Resp:	3227
Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.7	17.5
70	4.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.130 min

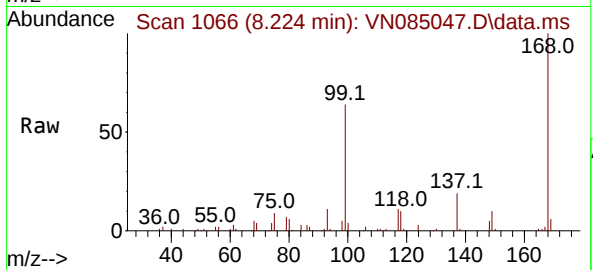
Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

ClientSampleId :



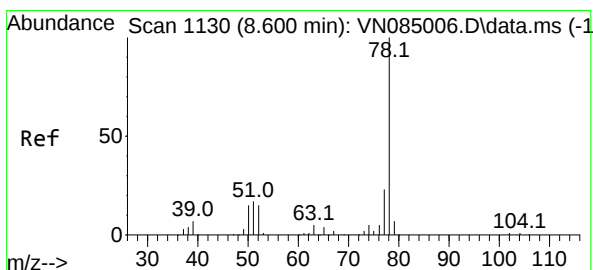
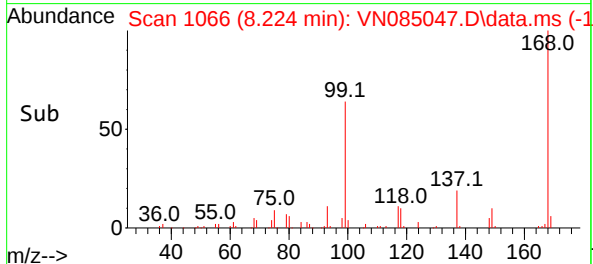
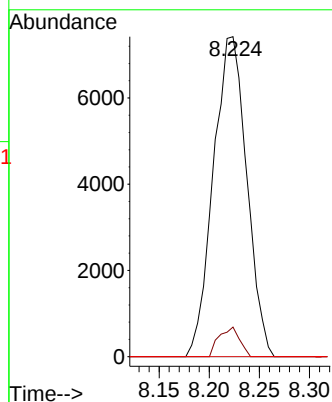
Tgt Ion:117 Resp: 17215

Ion Ratio Lower Upper

117 100

119 9.3 78.6 117.8#

121 0.0 24.2 36.2#



#40

Benzene

Concen: 0.205 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN085047.D

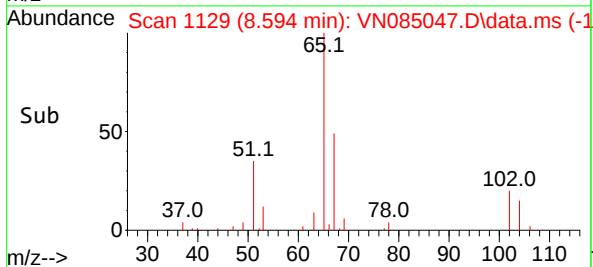
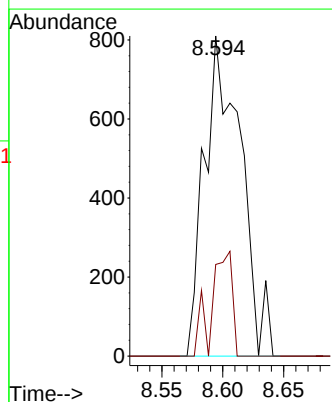
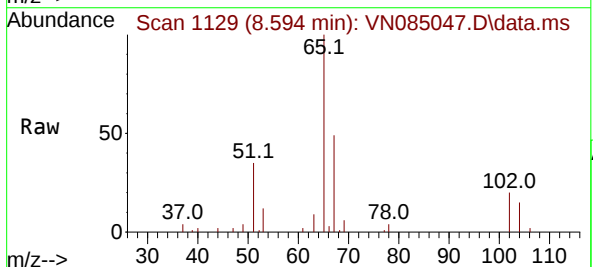
Acq: 26 Nov 2024 16:59

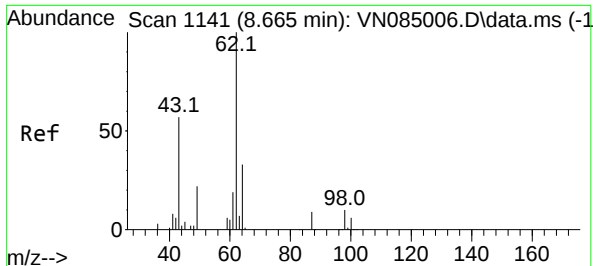
Tgt Ion: 78 Resp: 1684

Ion Ratio Lower Upper

78 100

77 28.6 18.5 27.7#





#42

1,2-Dichloroethane

Concen: 0.452 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.029 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

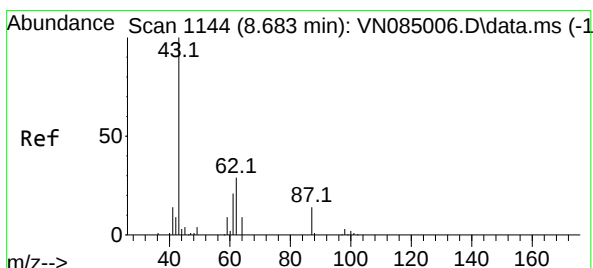
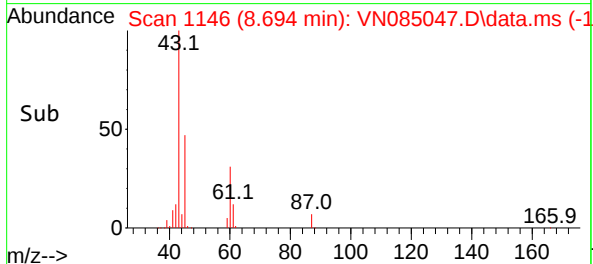
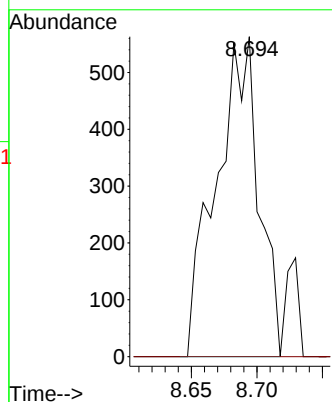
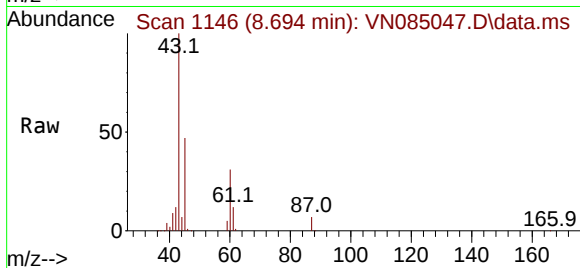
ClientSampleId :

Tgt Ion: 62 Resp: 1272

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 103.035 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.012 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

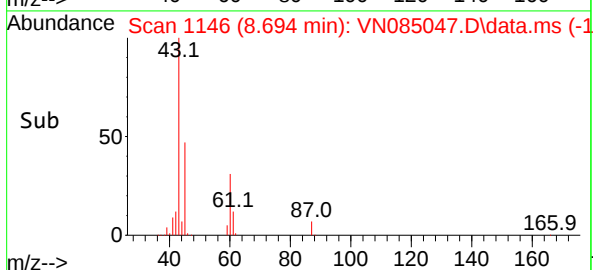
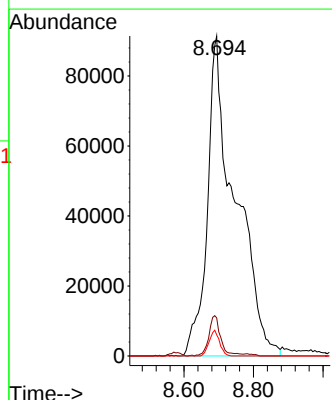
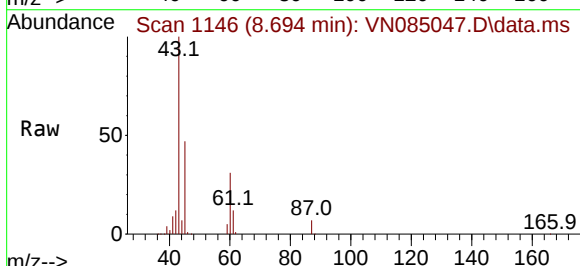
Tgt Ion: 43 Resp: 506553

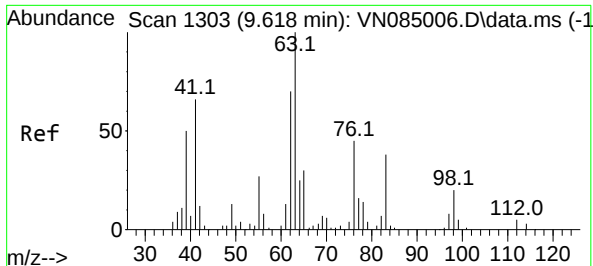
Ion Ratio Lower Upper

43 100

61 5.4 20.6 30.8#

87 3.0 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.606 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

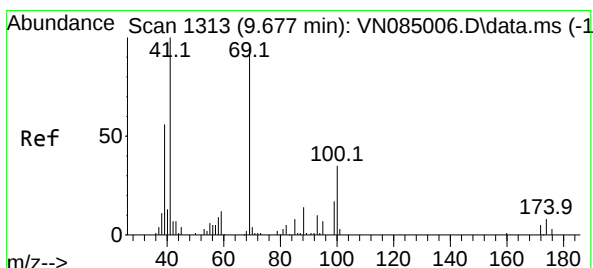
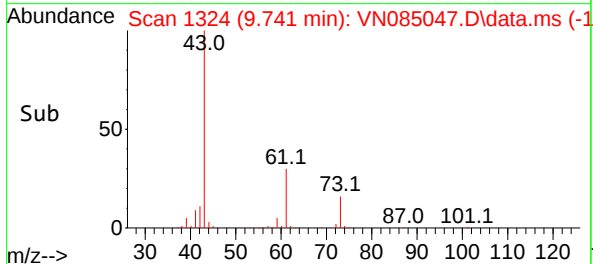
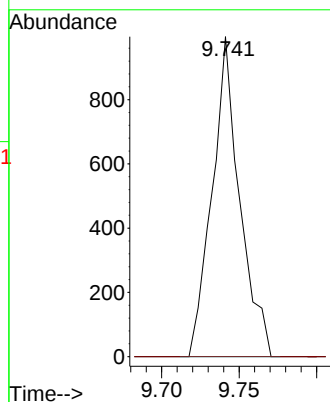
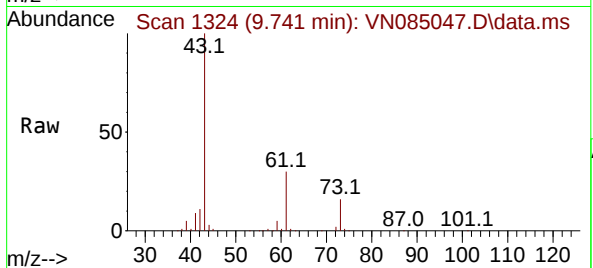
ClientSampleId :

Tgt Ion: 63 Resp: 1230

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.703 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

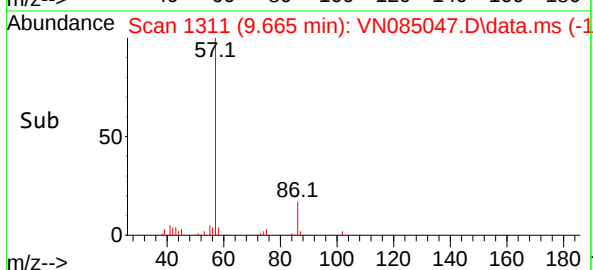
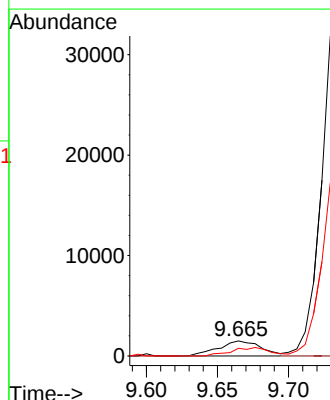
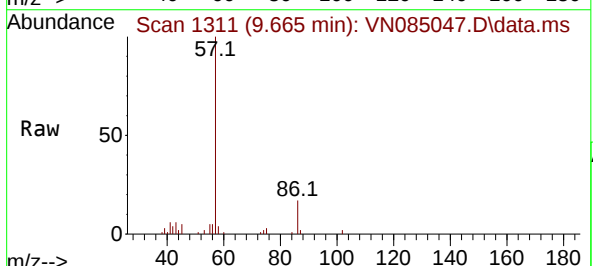
Tgt Ion: 41 Resp: 3115

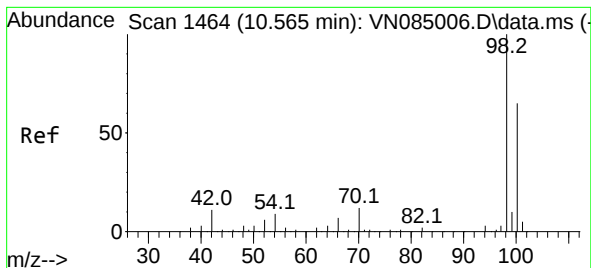
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 51.3 46.2 69.4

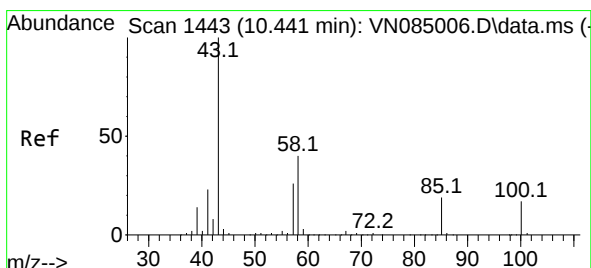
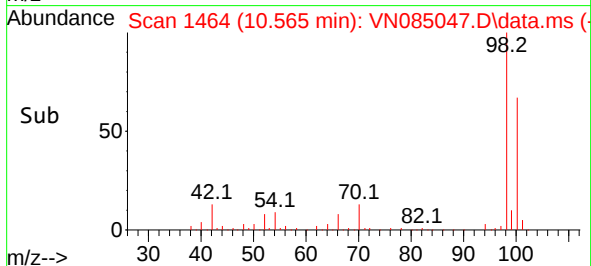
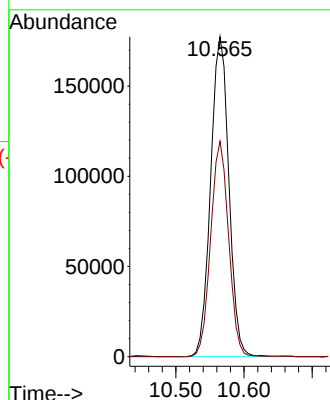
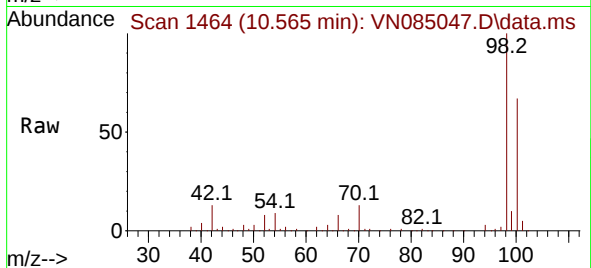




#50
Toluene-d8
Concen: 48.007 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

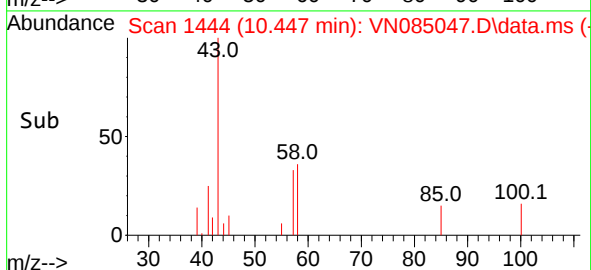
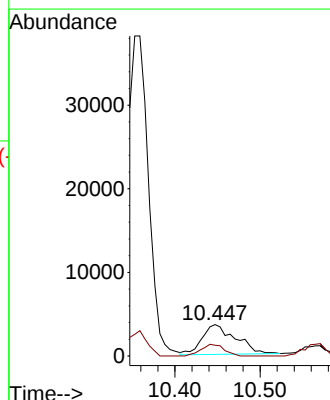
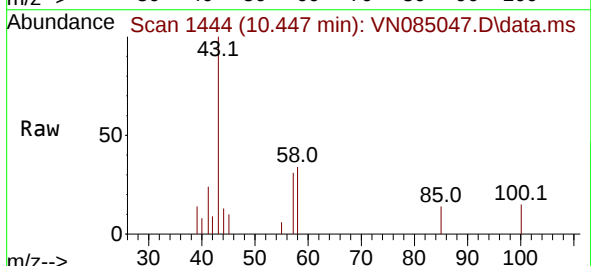
Instrument :
MSVOA_N
ClientSampleId :

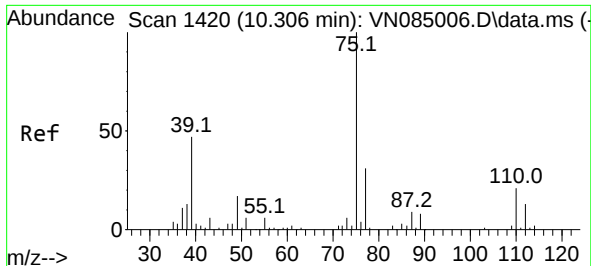
Tgt Ion: 98 Resp: 330691
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 4.352 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 43 Resp: 9773
Ion Ratio Lower Upper
43 100
58 26.7 32.1 48.1#

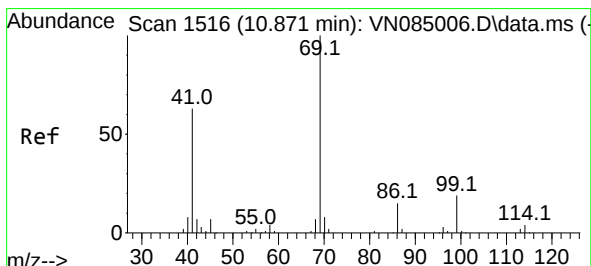
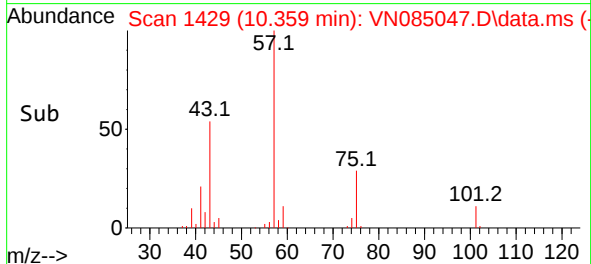
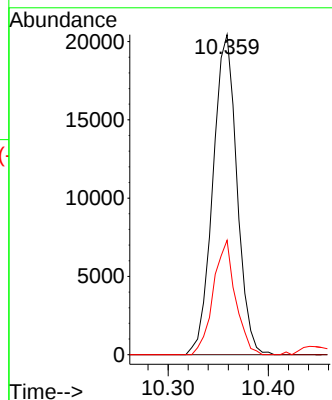
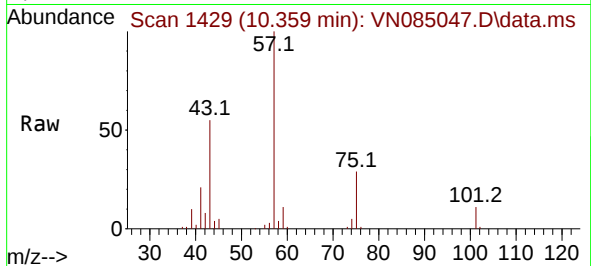




#54
cis-1,3-Dichloropropene
Concen: 10.703 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

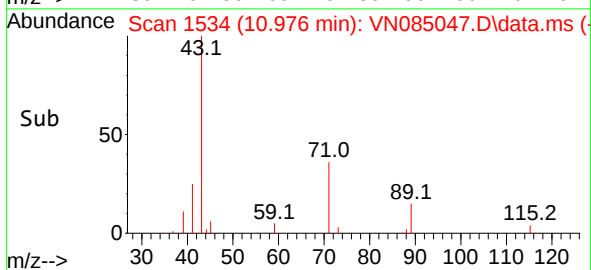
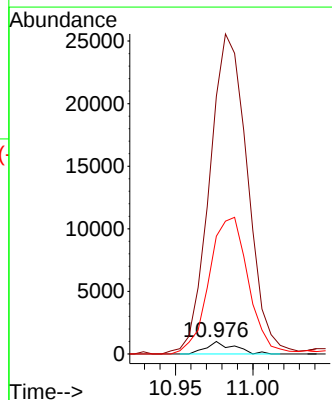
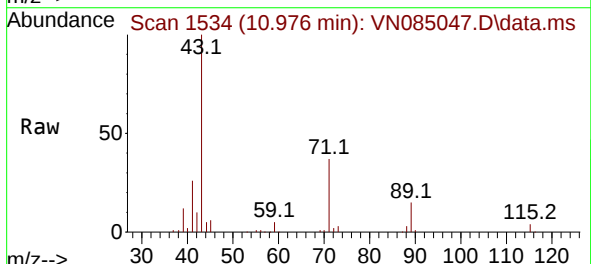
Instrument :
MSVOA_N
ClientSampleId :

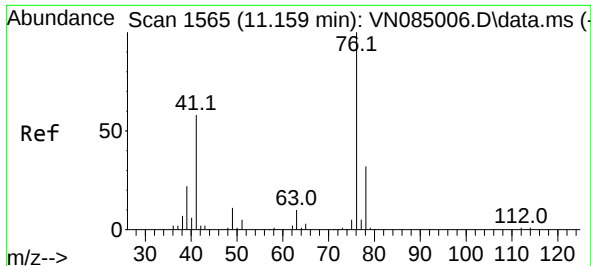
Tgt Ion: 75 Resp: 34000
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 35.8 37.6 56.4#



#56
Ethyl methacrylate
Concen: 0.463 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 69 Resp: 1229
Ion Ratio Lower Upper
69 100
41 3548.0 50.0 75.0#
39 1564.4 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.429 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN085047.D

Acq: 26 Nov 2024 16:59

Instrument :

MSVOA_N

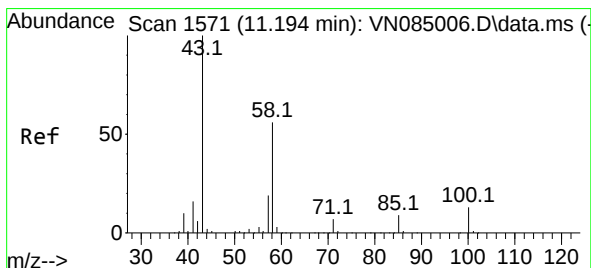
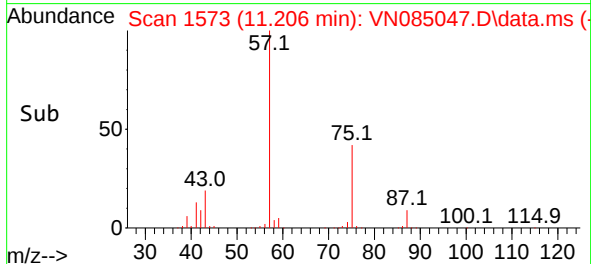
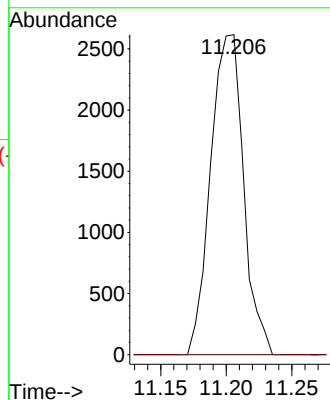
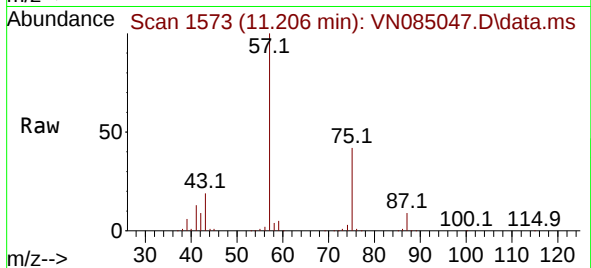
ClientSampleId :

Tgt Ion: 76 Resp: 4567

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.556 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085047.D

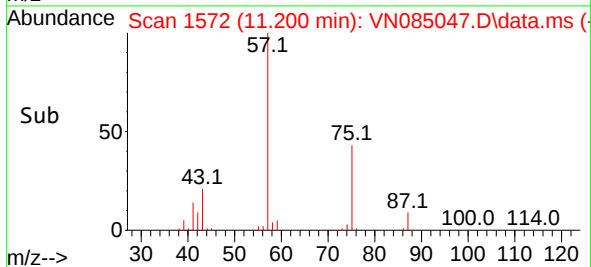
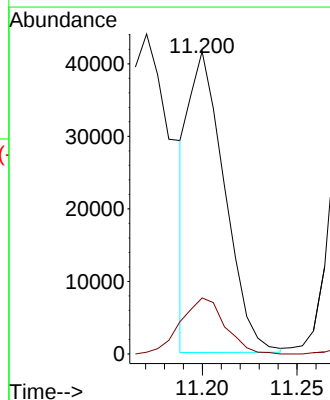
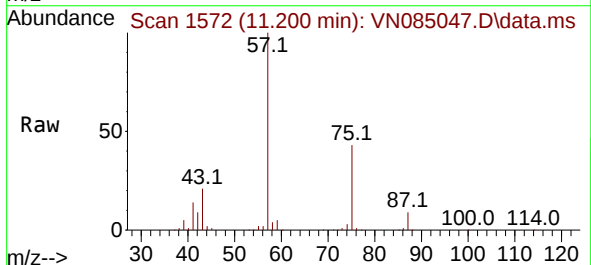
Acq: 26 Nov 2024 16:59

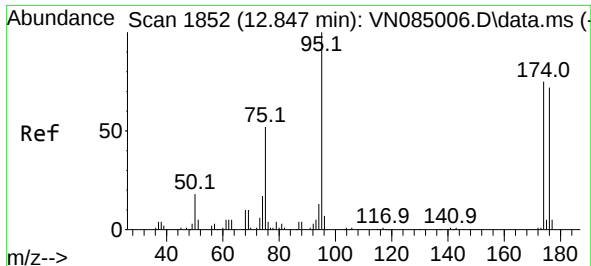
Tgt Ion: 43 Resp: 54677

Ion Ratio Lower Upper

43 100

58 23.0 28.3 85.0#

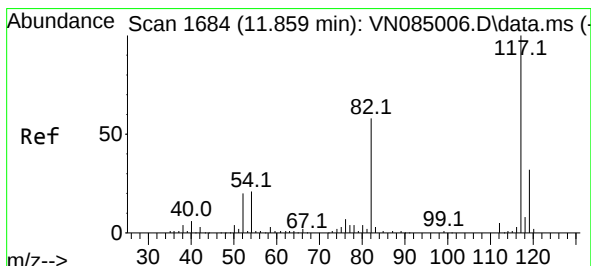
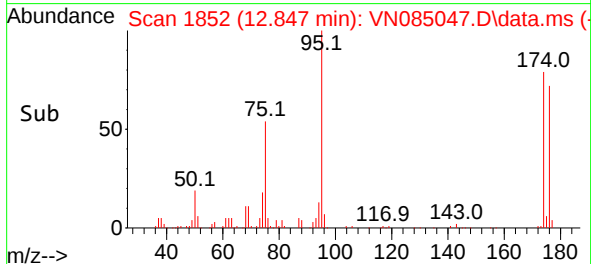
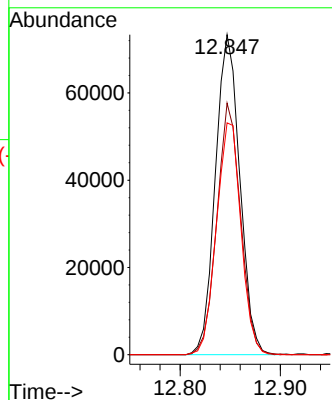
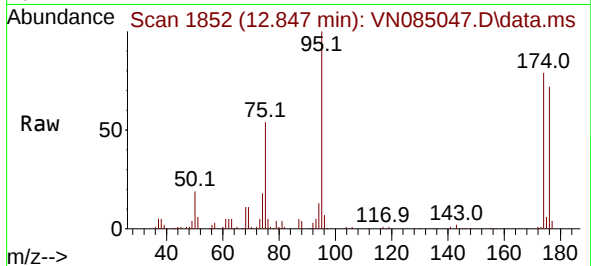




#62
4-Bromofluorobenzene
Concen: 48.216 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

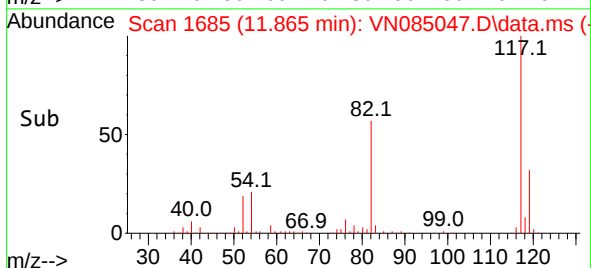
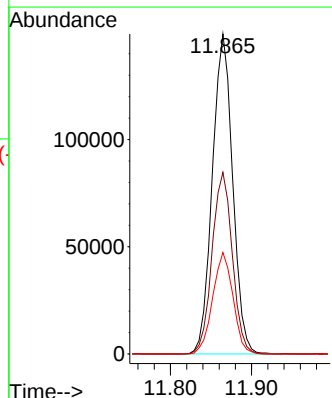
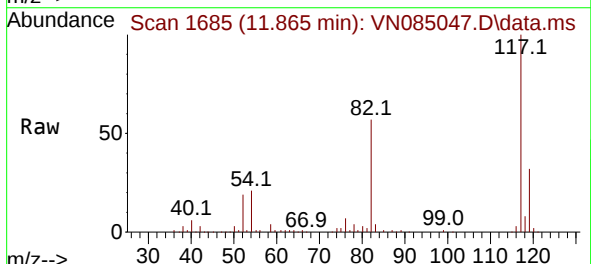
Instrument :
MSVOA_N
ClientSampleId :

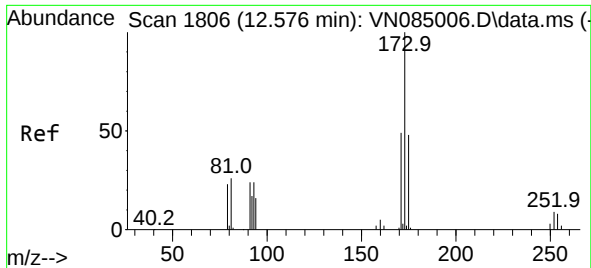
Tgt Ion: 95 Resp: 124207
Ion Ratio Lower Upper
95 100
174 76.1 0.0 146.6
176 72.9 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Tgt Ion: 117 Resp: 259455
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 31.7 25.6 38.4

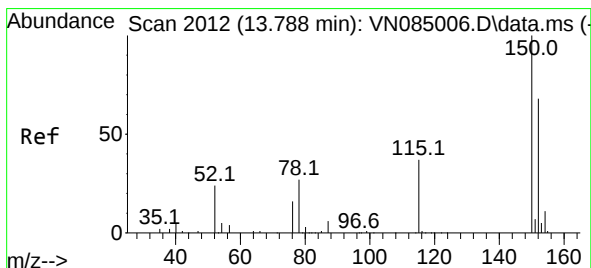
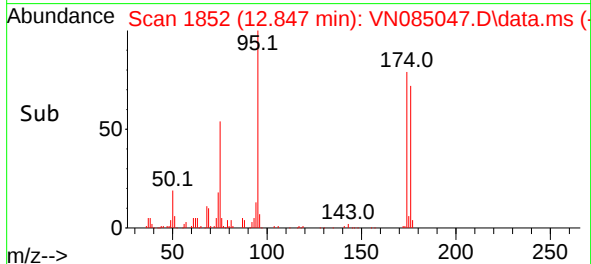
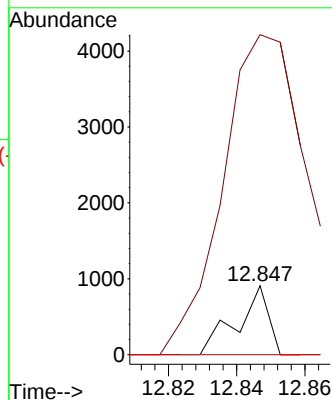
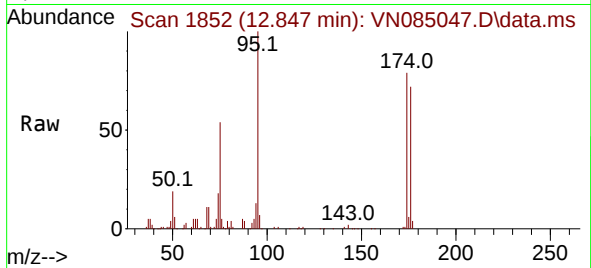




#71
Bromoform
Concen: 0.380 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

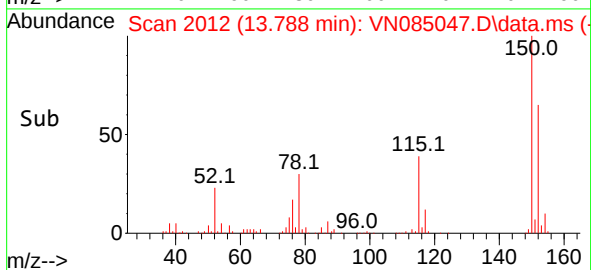
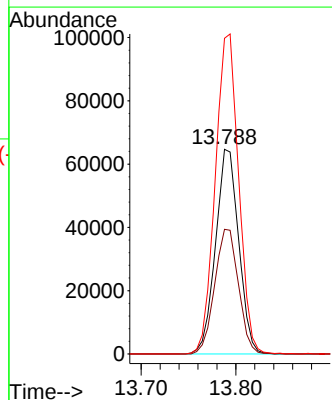
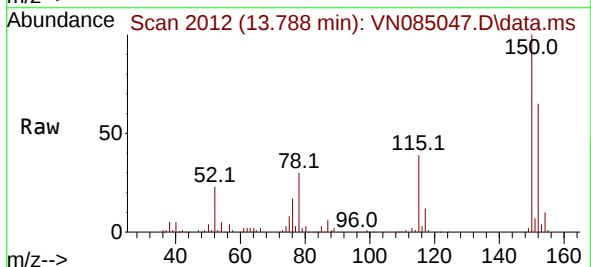
Instrument :
MSVOA_N
ClientSampleId :

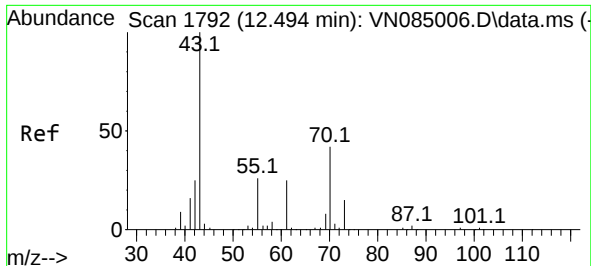
Tgt Ion:173 Resp: 585
Ion Ratio Lower Upper
173 100
175 925.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

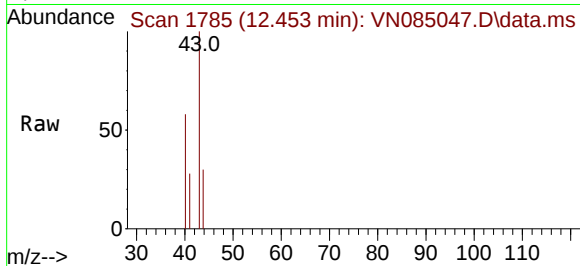
Tgt Ion:152 Resp: 109945
Ion Ratio Lower Upper
152 100
115 62.4 31.7 95.1
150 157.9 0.0 351.4



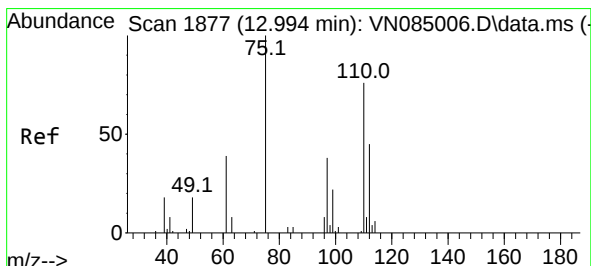
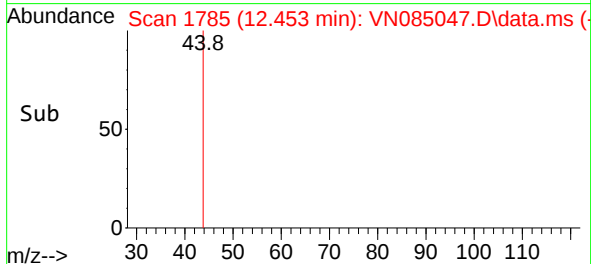
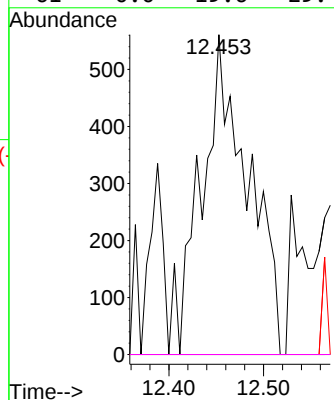


#74
N-amy1 acetate
Concen: 0.587 ug/l
RT: 12.453 min Scan# 1876
Delta R.T. -0.041 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

Instrument :
MSVOA_N
ClientSampleId :

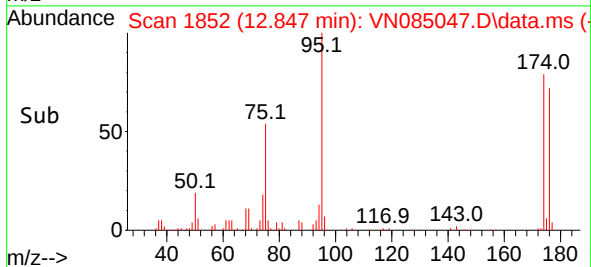
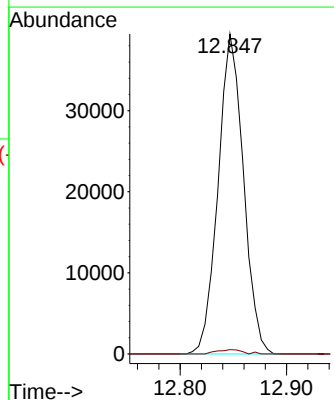
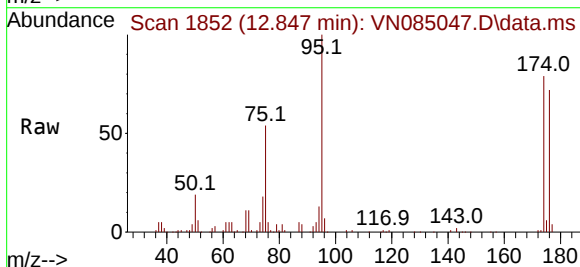


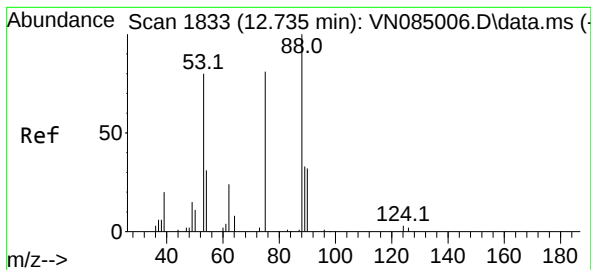
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.6	51.8#
55	0.0	20.5	30.7#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 32.540 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085047.D
Acq: 26 Nov 2024 16:59

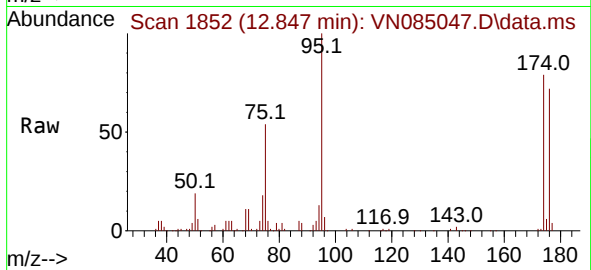
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	109.1	327.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.835 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085047.D
 Acq: 26 Nov 2024 16:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 65075
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.2 117.4#
 89 0.0 37.9 56.9#

