

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112624\
 Data File : VN085045.D
 Acq On : 26 Nov 2024 16:11
 Operator : JC\MD
 Sample : P4985-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 05:16:38 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)

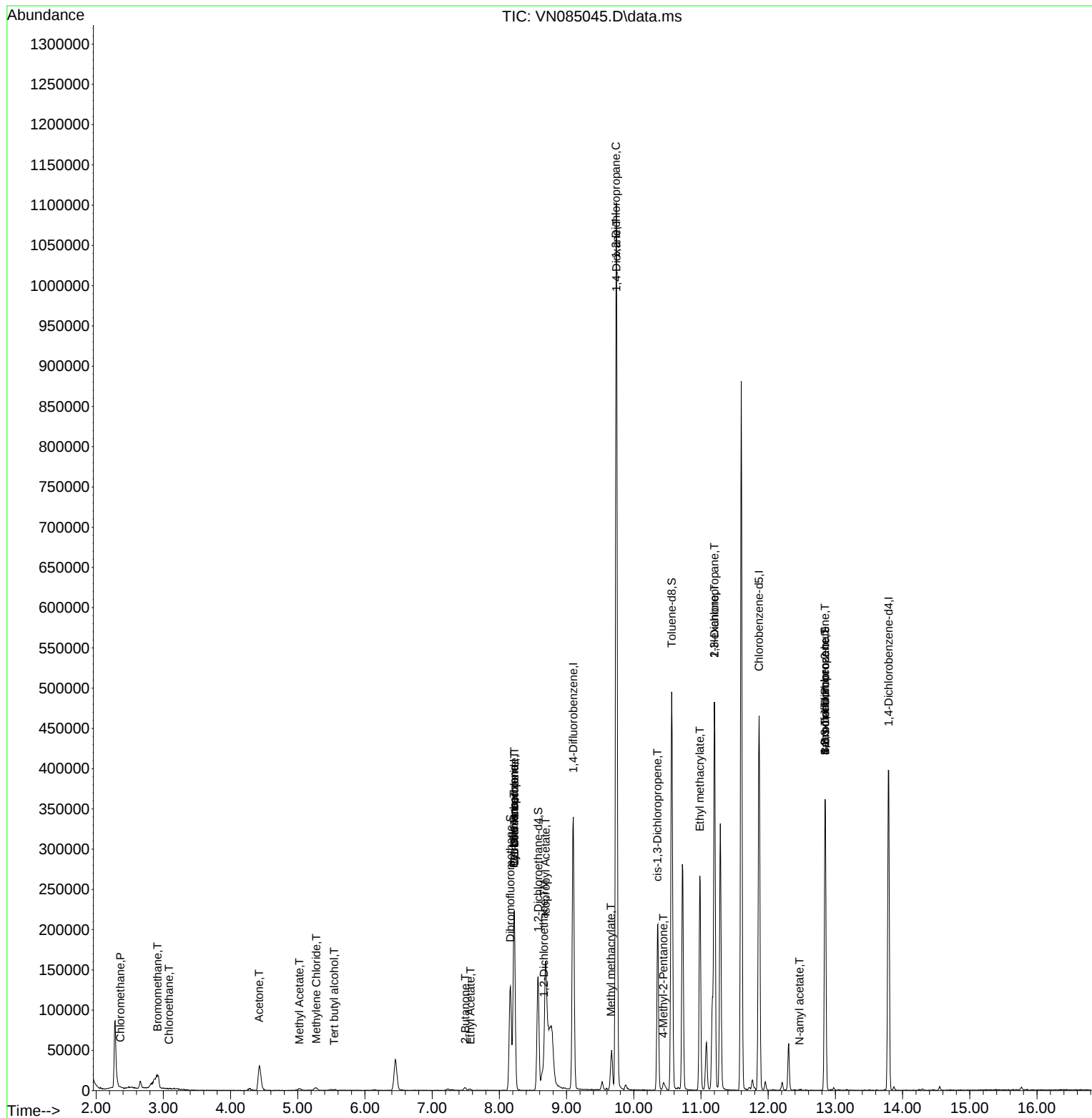
Internal Standards						
1) Pentafluorobenzene	8.218	168	160713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	290952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116674	50.966	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.165	113	95094	48.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.940%			
50) Toluene-d8	10.565	98	338687	48.166	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.340%			
62) 4-Bromofluorobenzene	12.847	95	127670	48.551	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.100%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	586	0.278	ug/l #	40
5) Bromomethane	2.912	94	251	0.236	ug/l	100
6) Chloroethane	3.083	64	315	0.247	ug/l #	44
11) Tert butyl alcohol	5.542	59	265	0.866	ug/l #	75
16) Acetone	4.424	43	57325	85.981	ug/l	99
18) Methyl Acetate	5.024	43	4945	1.201	ug/l	93
20) Methylene Chloride	5.277	84	2865	1.408	ug/l #	76
25) 2-Butanone	7.494	43	5875	5.390	ug/l	90
31) Cyclohexane	8.218	56	3565	1.169	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13349	5.023	ug/l #	49
37) Ethyl Acetate	7.571	43	3249	1.345	ug/l #	77
38) Carbon Tetrachloride	8.224	117	16930	5.519	ug/l #	18
42) 1,2-Dichloroethane	8.665	62	784	0.273	ug/l #	75
43) Isopropyl Acetate	8.688	43	231141	46.057	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	1510	0.729	ug/l #	45
48) Methyl methacrylate	9.659	41	3133	1.678	ug/l #	11
49) 1,4-Dioxane	9.741	88	58	1.791	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11062	4.826	ug/l #	72
54) cis-1,3-Dichloropropene	10.353	75	36790	11.345	ug/l #	62
56) Ethyl methacrylate	10.982	69	1410	0.521	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5091	1.561	ug/l #	42
59) 2-Hexanone	11.200	43	59649	34.793	ug/l #	54
71) Bromoform	12.847	173	674	0.435	ug/l #	1
74) N-amyl acetate	12.465	43	1578	0.498	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	67794	34.166	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67794	75.423	ug/l #	10

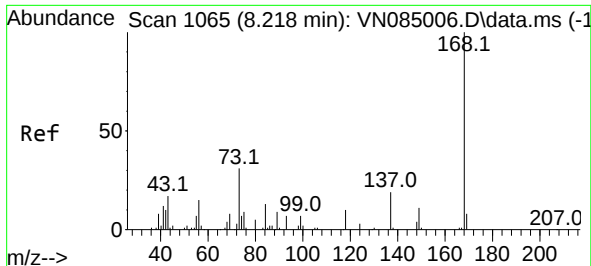
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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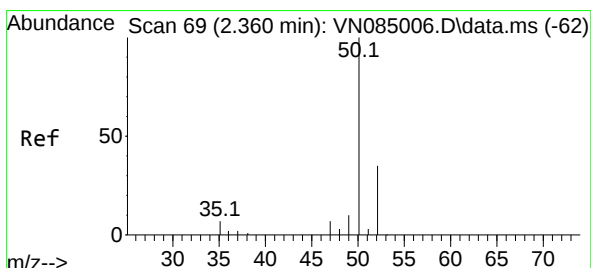
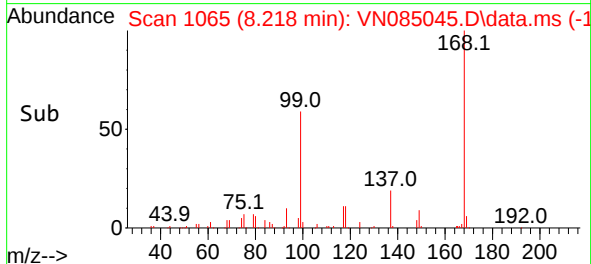
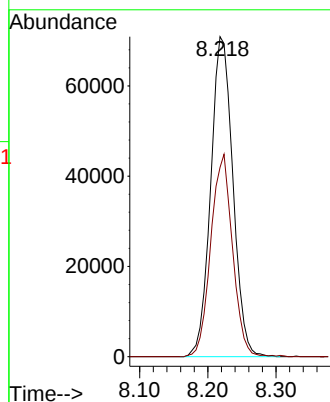
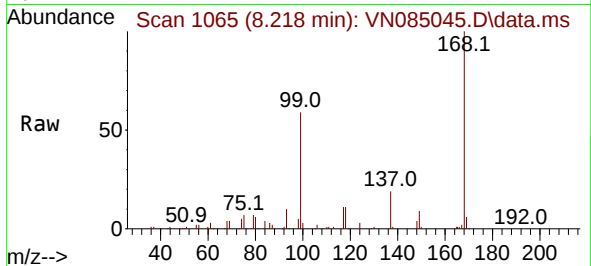




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

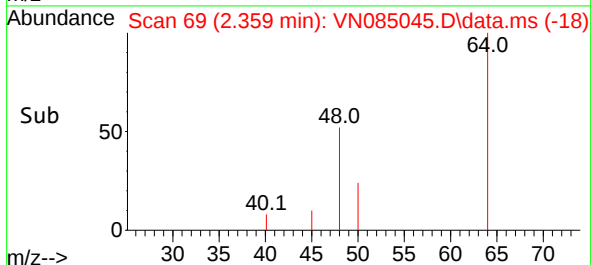
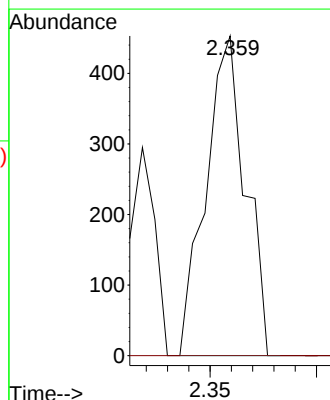
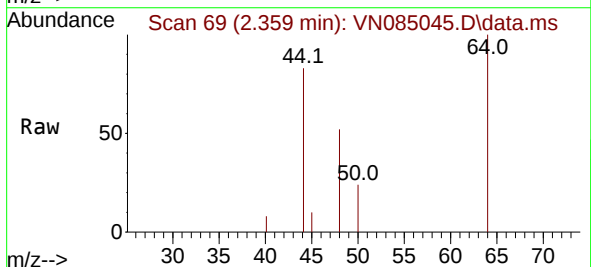
Instrument :
MSVOA_N
ClientSampleId :

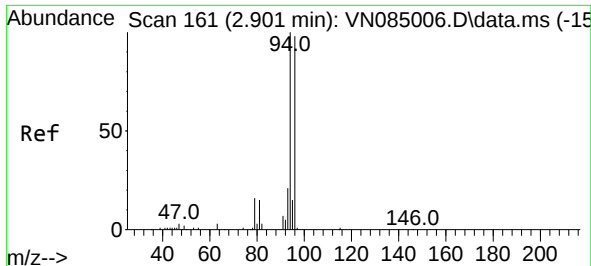
Tgt Ion:168 Resp: 160713
Ion Ratio Lower Upper
168 100
99 59.2 51.2 76.8



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 50 Resp: 586
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

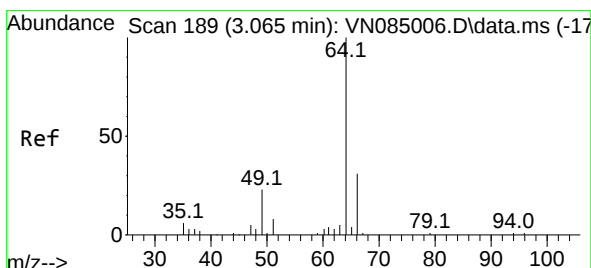
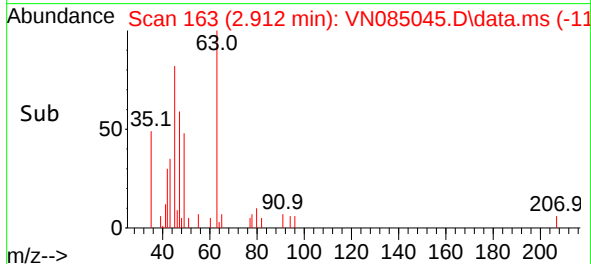
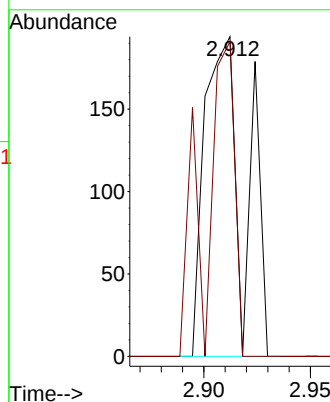
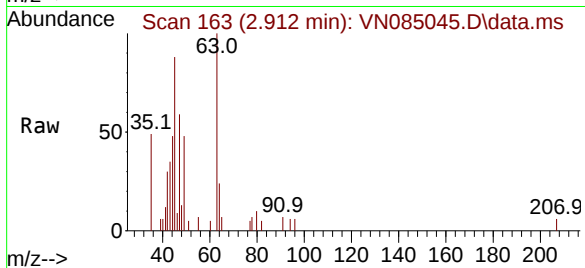




#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.912 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

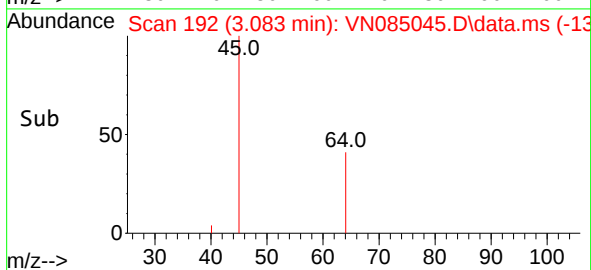
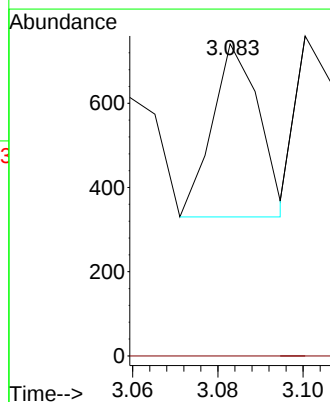
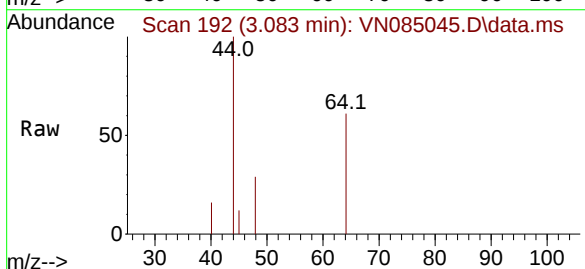
Instrument :
MSVOA_N
ClientSampleId :

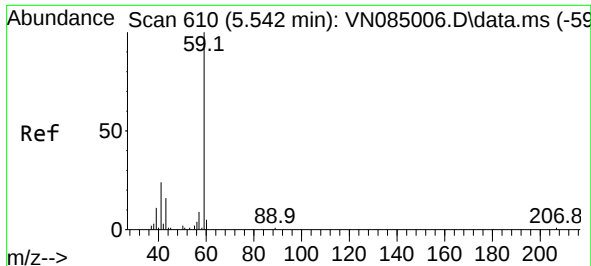
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 98.5 78.7 118.1



#6
Chloroethane
Concen: 0.247 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.018 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 64 Resp: 315
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

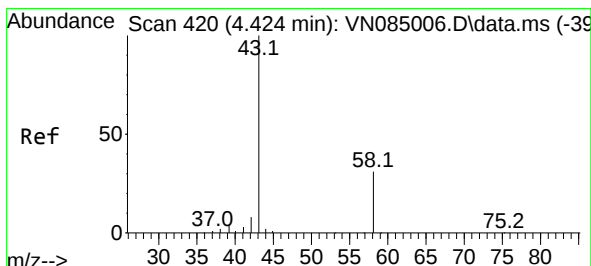
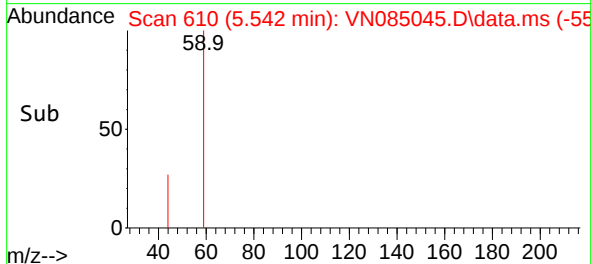
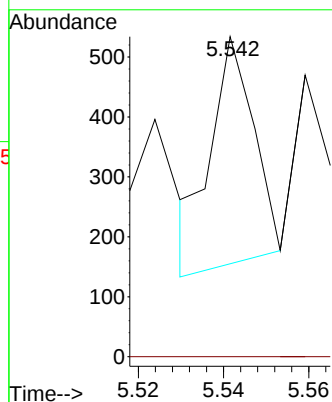
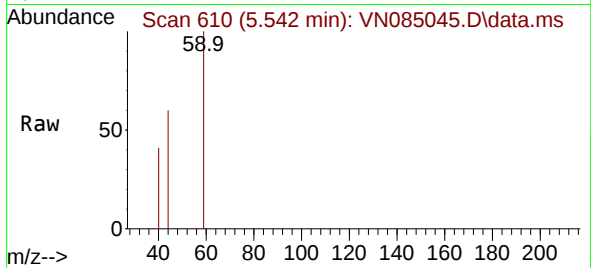




#11
Tert butyl alcohol
Concen: 0.866 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

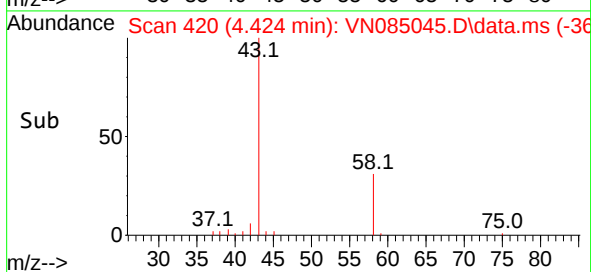
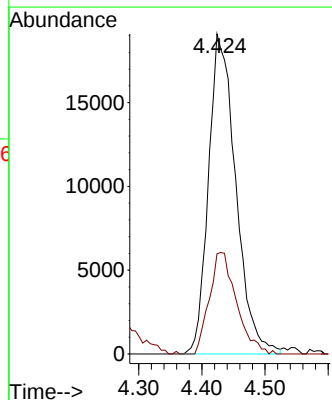
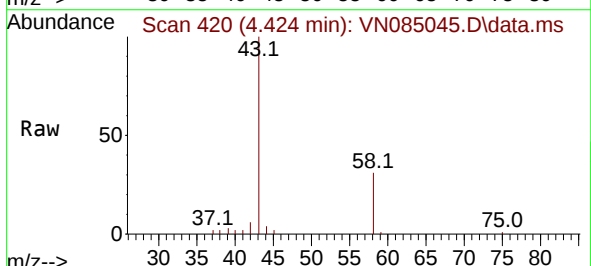
Instrument :
MSVOA_N
ClientSampleId :

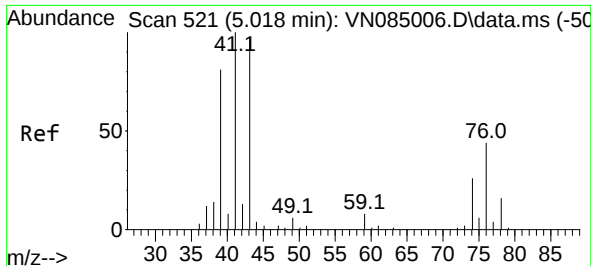
Tgt Ion: 59 Resp: 265
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#16
Acetone
Concen: 85.981 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 43 Resp: 57325
Ion Ratio Lower Upper
43 100
58 31.3 25.4 38.2

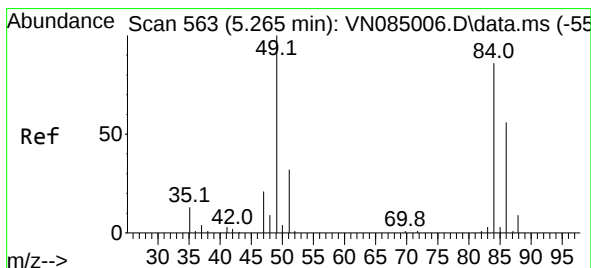
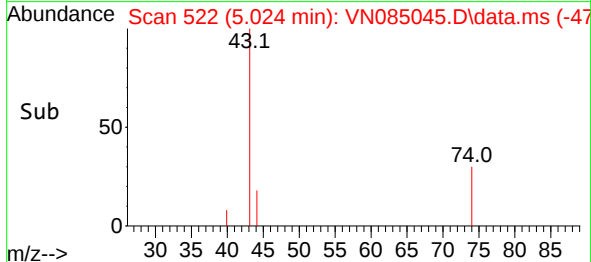
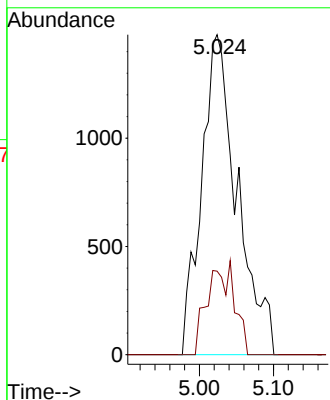
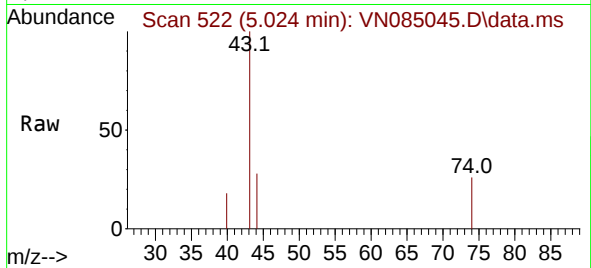




#18
Methyl Acetate
Concen: 1.201 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

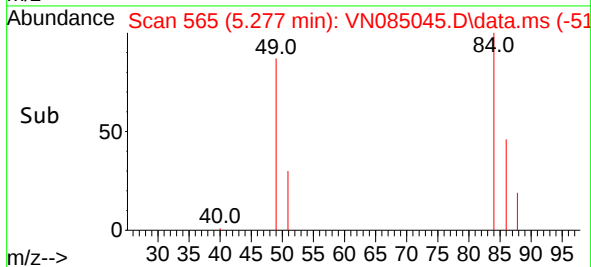
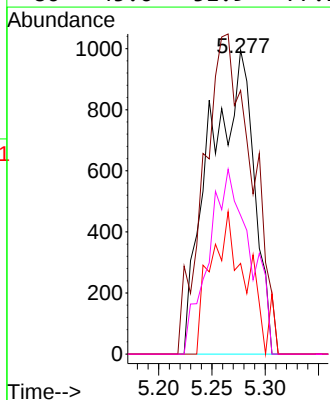
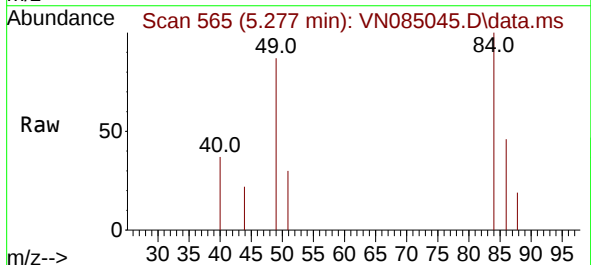
Instrument :
MSVOA_N
ClientSampleId :

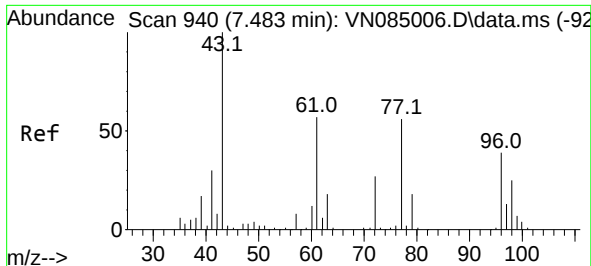
Tgt Ion: 43 Resp: 4945
Ion Ratio Lower Upper
43 100
74 21.7 20.1 30.1



#20
Methylene Chloride
Concen: 1.408 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 84 Resp: 2865
Ion Ratio Lower Upper
84 100
49 86.7 92.7 139.1#
51 29.8 29.4 44.2
86 45.6 51.9 77.9#

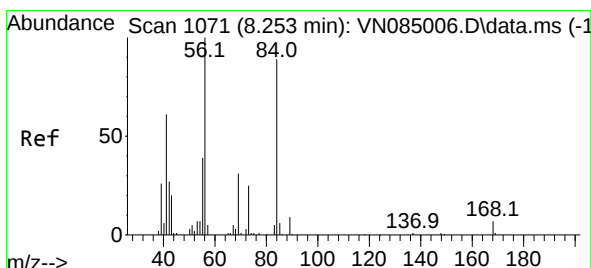
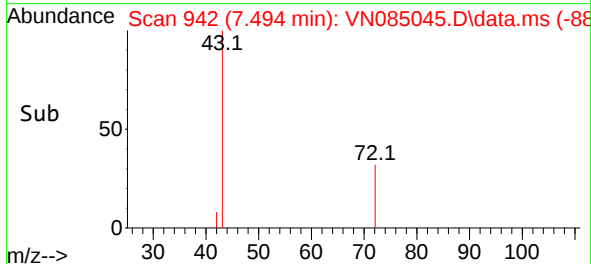
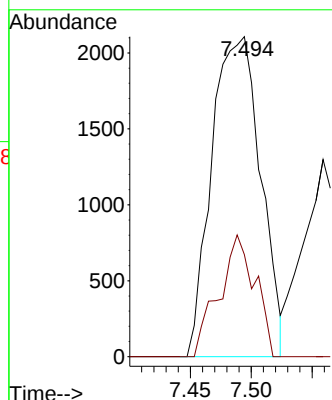
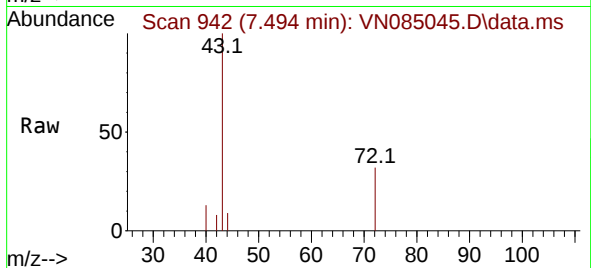




#25
2-Butanone
Concen: 5.390 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

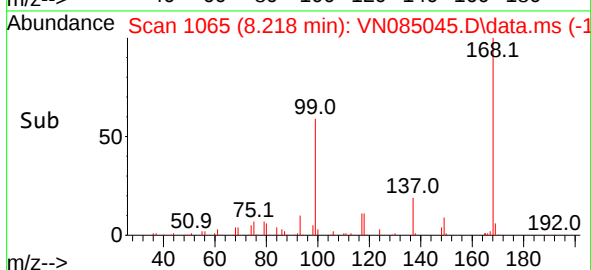
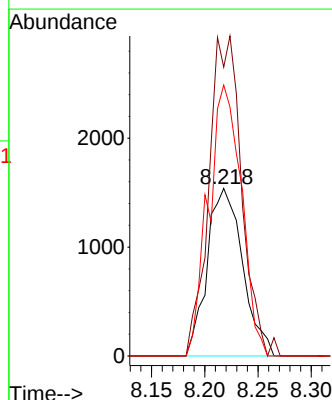
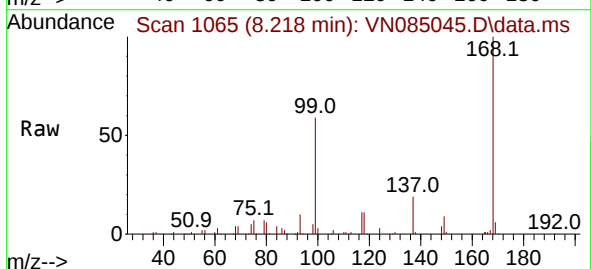
Instrument :
MSVOA_N
ClientSampleId :

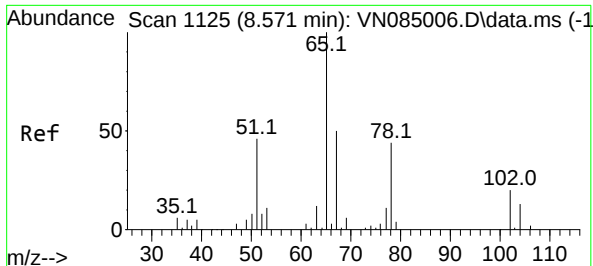
Tgt Ion: 43 Resp: 5875
Ion Ratio Lower Upper
43 100
72 31.9 21.4 32.0



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 56 Resp: 3565
Ion Ratio Lower Upper
56 100
69 172.5 24.6 36.8#
84 161.8 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 50.966 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

Instrument :

MSVOA_N

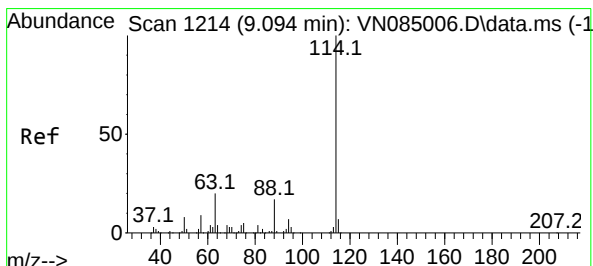
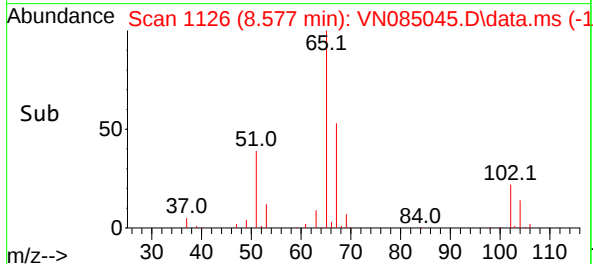
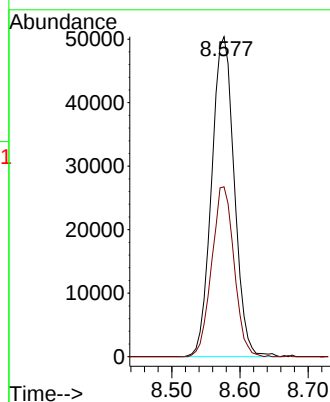
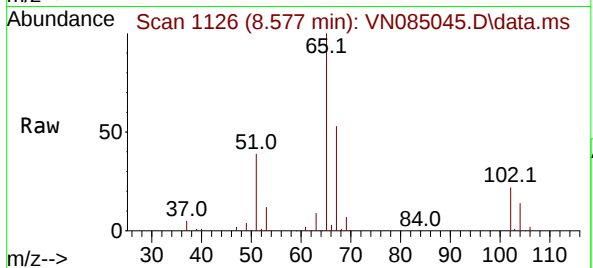
ClientSampleId :

Tgt Ion: 65 Resp: 116674

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

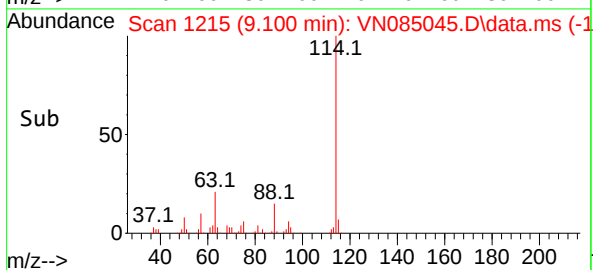
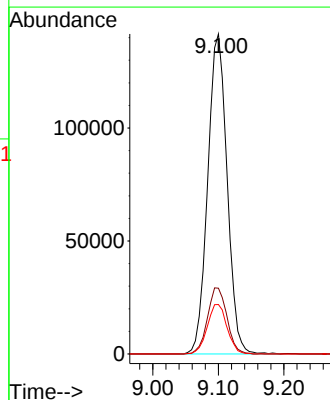
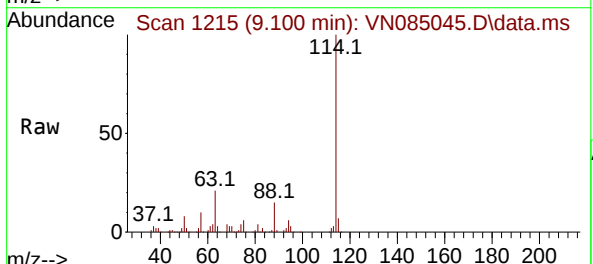
Tgt Ion: 114 Resp: 290952

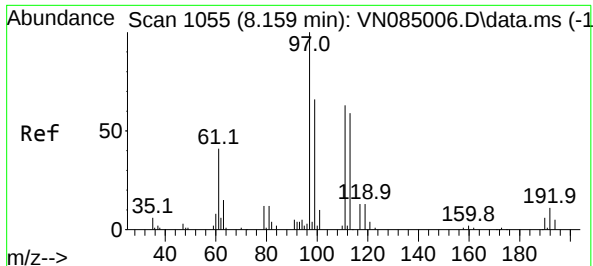
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.466 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

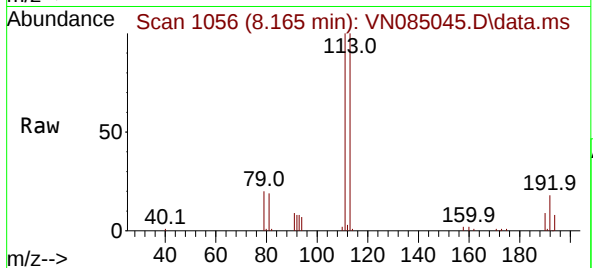
Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :



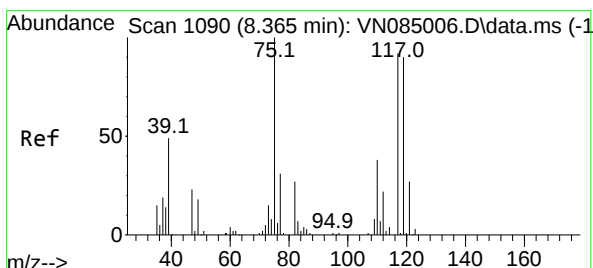
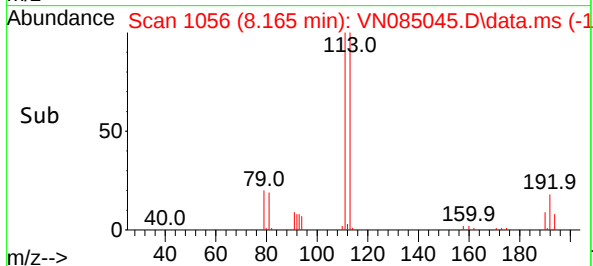
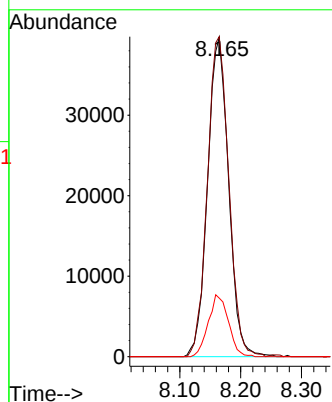
Tgt Ion:113 Resp: 95094

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.023 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

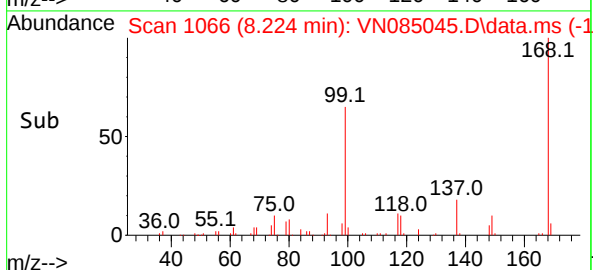
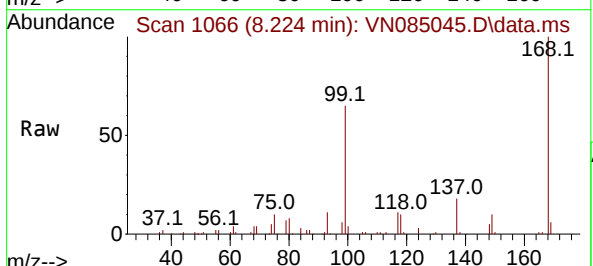
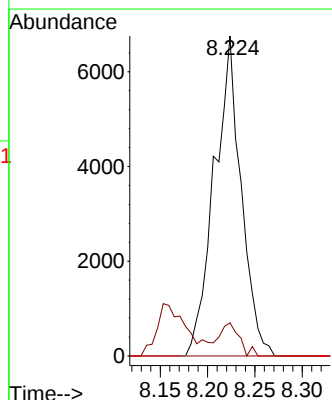
Tgt Ion: 75 Resp: 13349

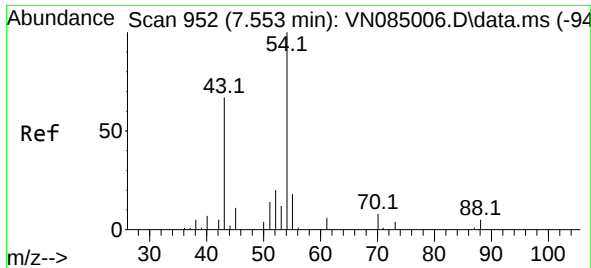
Ion Ratio Lower Upper

75 100

110 7.4 17.2 51.6#

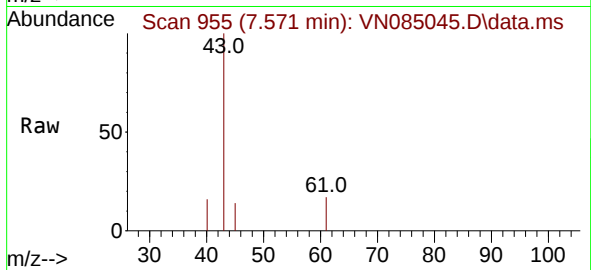
77 0.0 24.2 36.4#



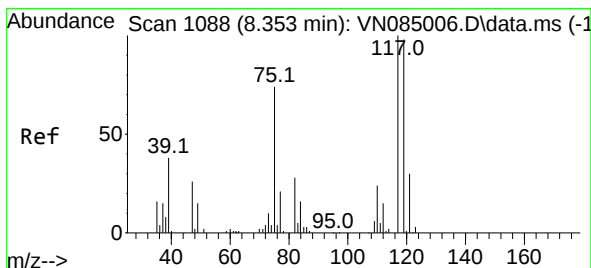
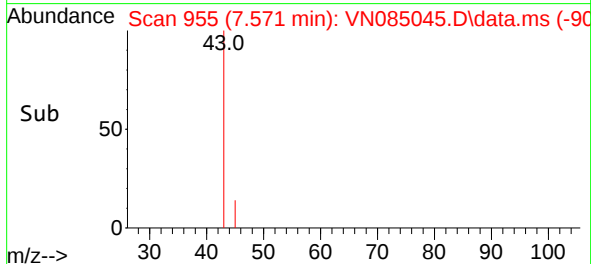
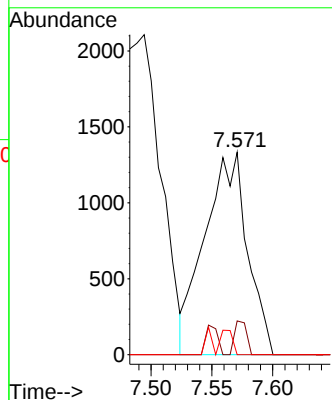


#37
Ethyl Acetate
Concen: 1.345 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

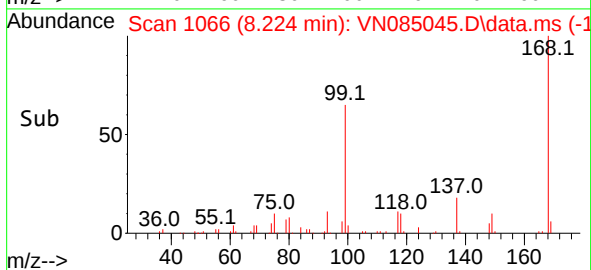
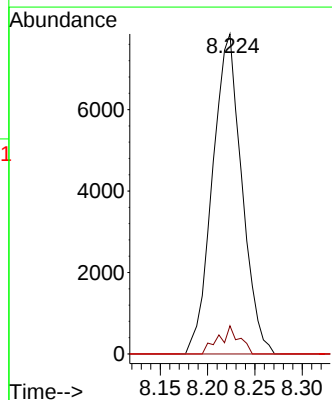
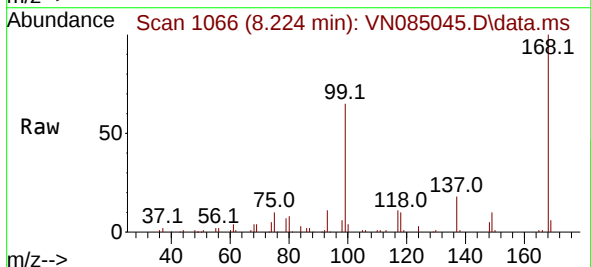


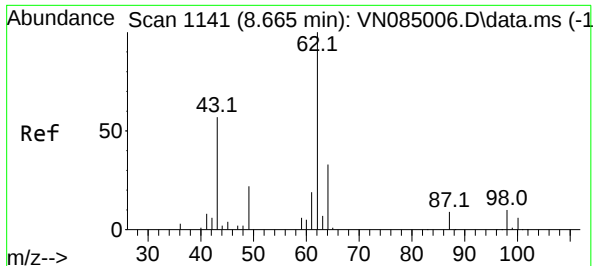
Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
61 4.7 11.7 17.5#
70 3.5 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.130 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 117 Resp: 16930
Ion Ratio Lower Upper
117 100
119 8.8 78.6 117.8#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

Instrument :

MSVOA_N

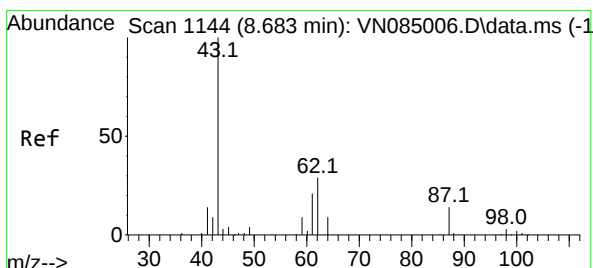
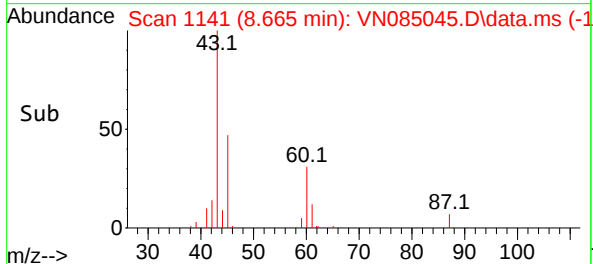
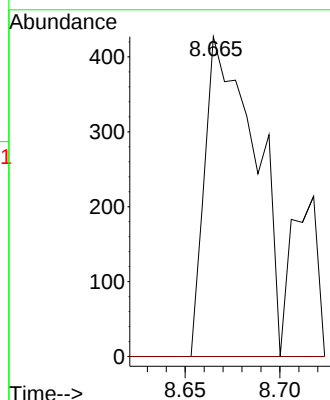
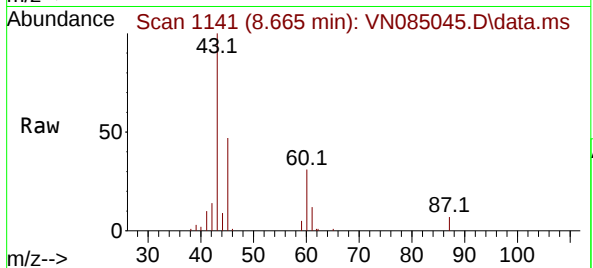
ClientSampleId :

Tgt Ion: 62 Resp: 784

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 46.057 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

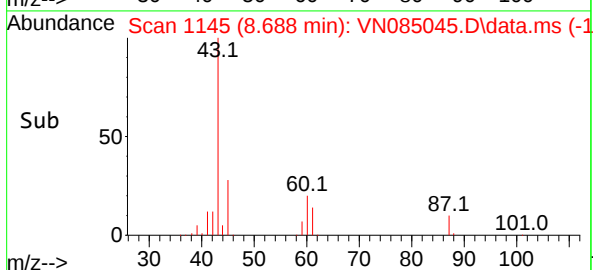
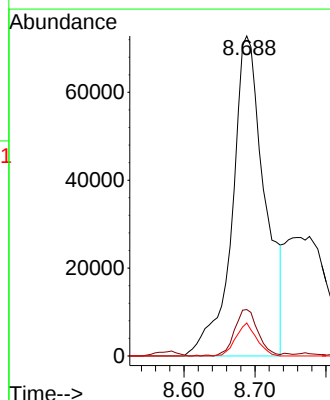
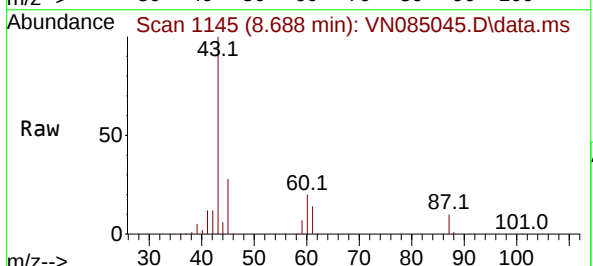
Tgt Ion: 43 Resp: 231141

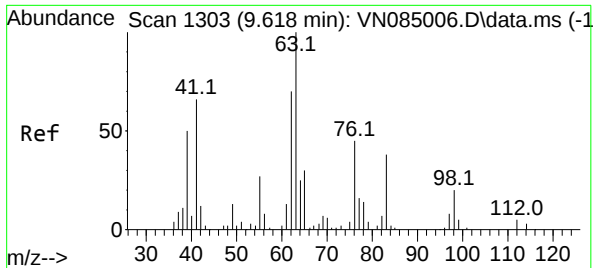
Ion Ratio Lower Upper

43 100

61 10.5 20.6 30.8#

87 6.6 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.729 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

Instrument :

MSVOA_N

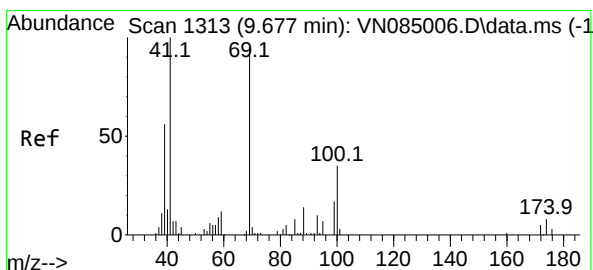
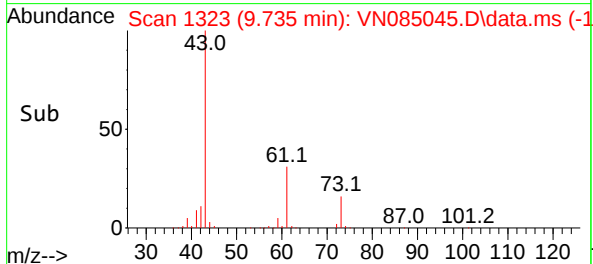
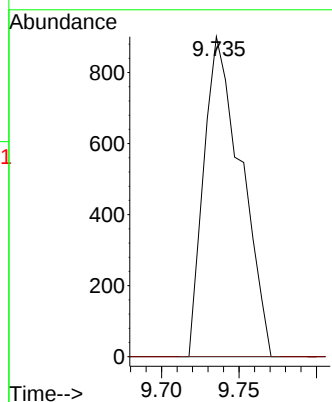
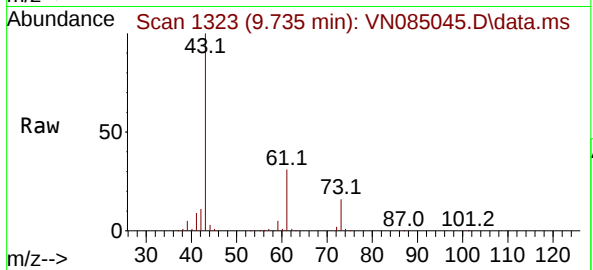
ClientSampleId :

Tgt Ion: 63 Resp: 1510

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.678 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

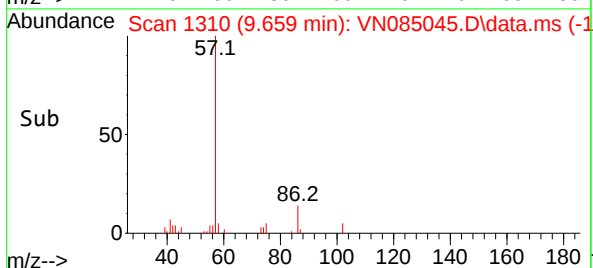
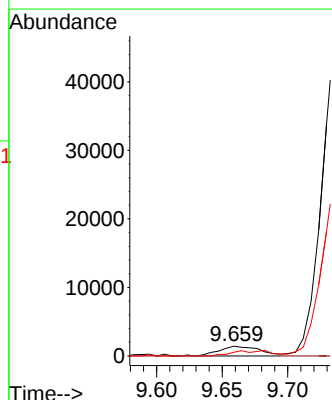
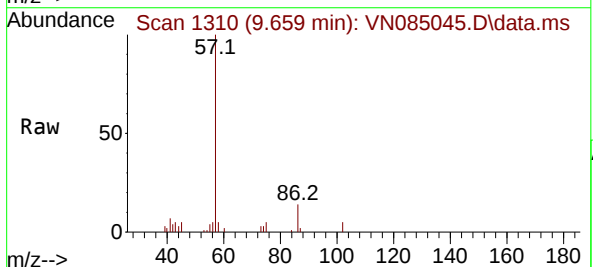
Tgt Ion: 41 Resp: 3133

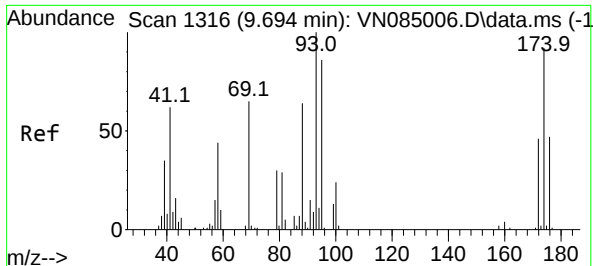
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 0.0 46.2 69.4#





#49

1,4-Dioxane

Concen: 1.791 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.047 min

Lab File: VN085045.D

Acq: 26 Nov 2024 16:11

Instrument :

MSVOA_N

ClientSampleId :

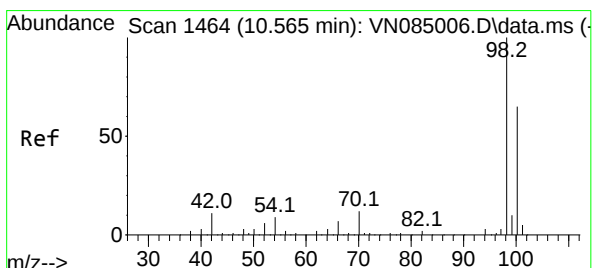
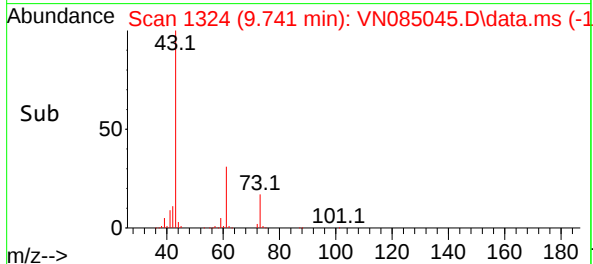
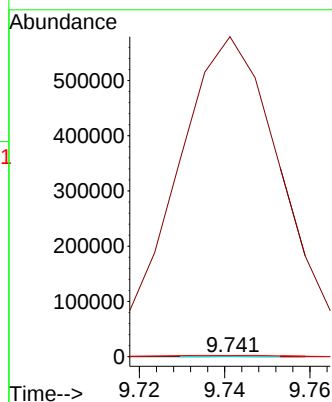
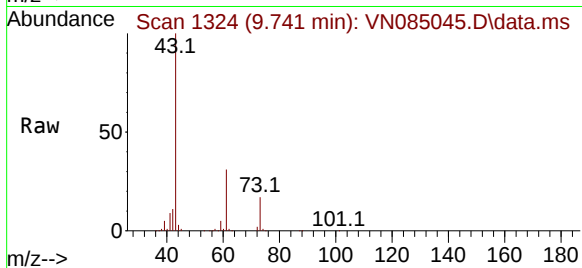
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 1777736.2 16.7 25.1#

58 8615.5 56.5 84.7#



#50

Toluene-d8

Concen: 48.166 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085045.D

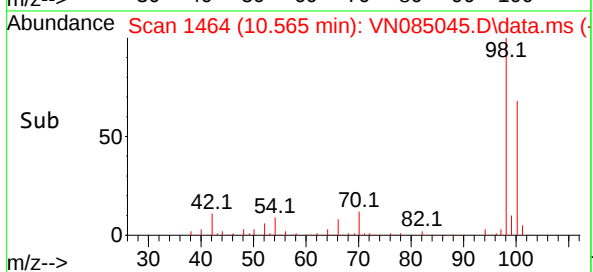
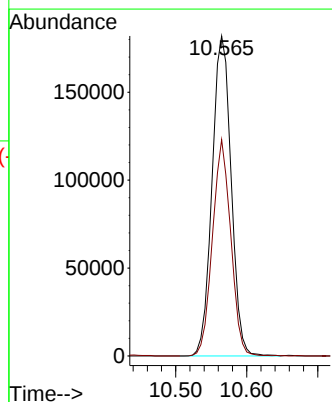
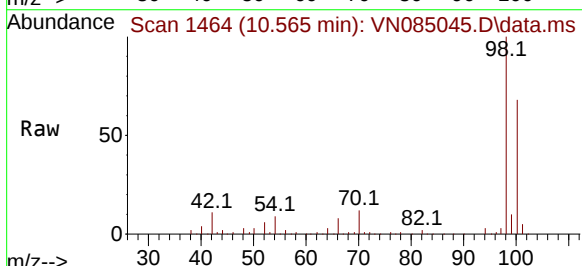
Acq: 26 Nov 2024 16:11

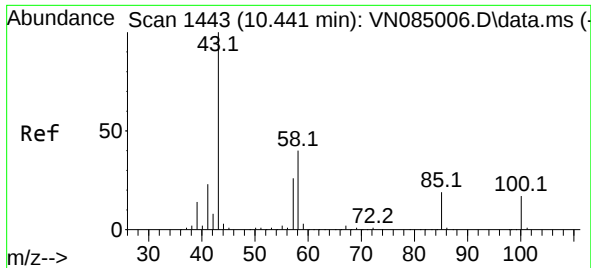
Tgt Ion: 98 Resp: 338687

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

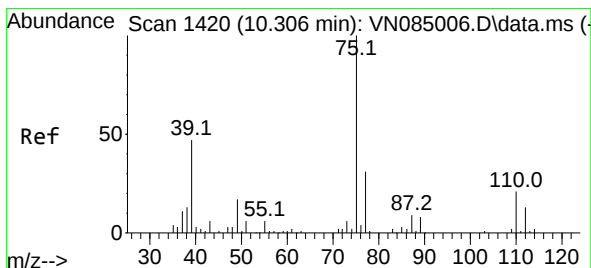
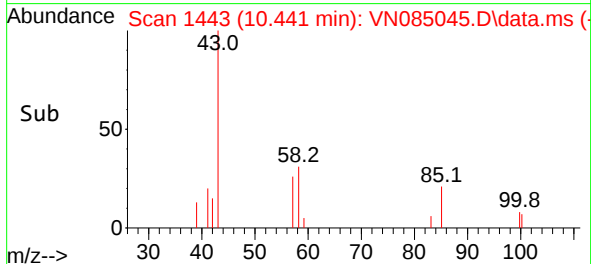
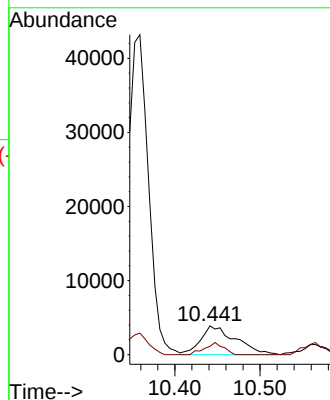
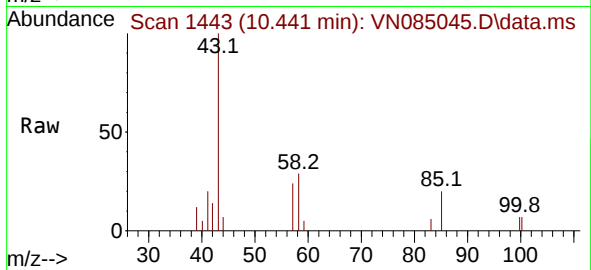




#51
4-Methyl-2-Pentanone
Concen: 4.826 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

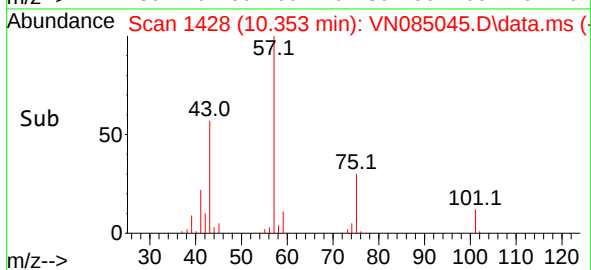
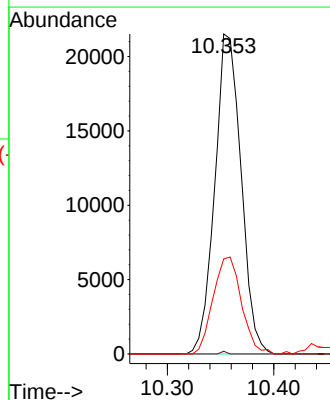
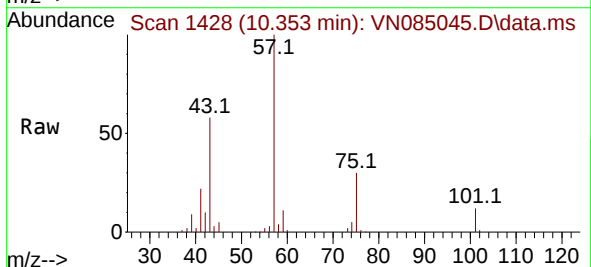
Instrument :
MSVOA_N
ClientSampleId :

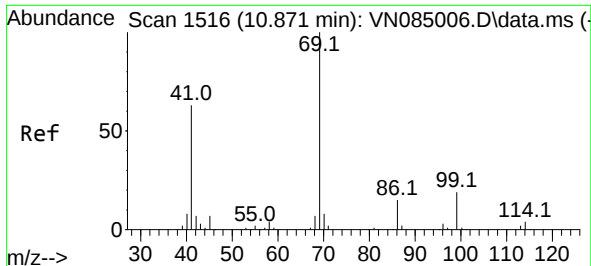
Tgt Ion: 43 Resp: 11062
Ion Ratio Lower Upper
43 100
58 22.7 32.1 48.1#



#54
cis-1,3-Dichloropropene
Concen: 11.345 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 75 Resp: 36790
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 29.7 37.6 56.4#

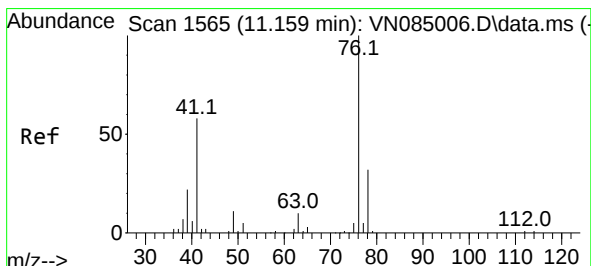
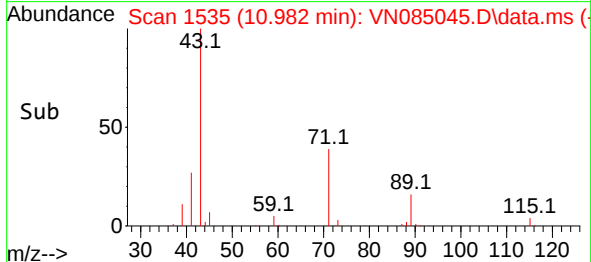
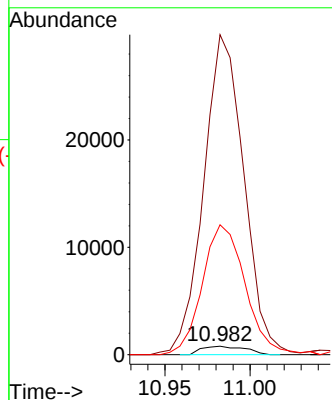
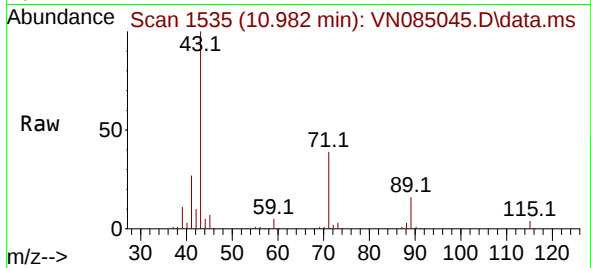




#56
Ethyl methacrylate
Concen: 0.521 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

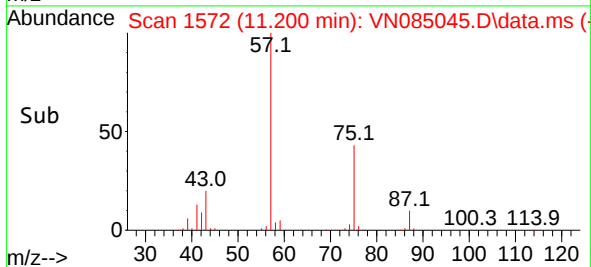
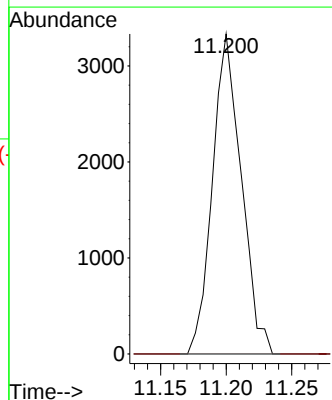
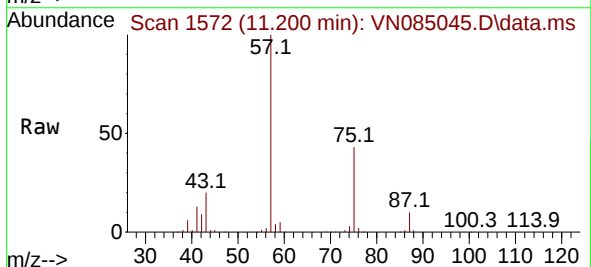
Instrument :
MSVOA_N
ClientSampleId :

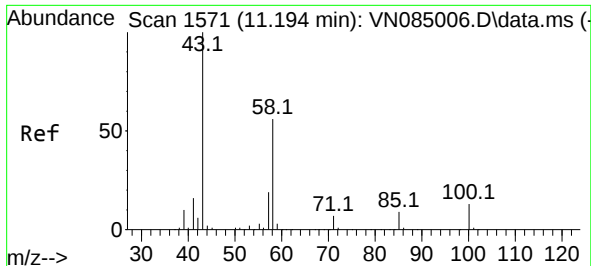
Tgt Ion: 69 Resp: 1410
Ion Ratio Lower Upper
69 100
41 3473.4 50.0 75.0#
39 1506.2 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.561 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 76 Resp: 5091
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

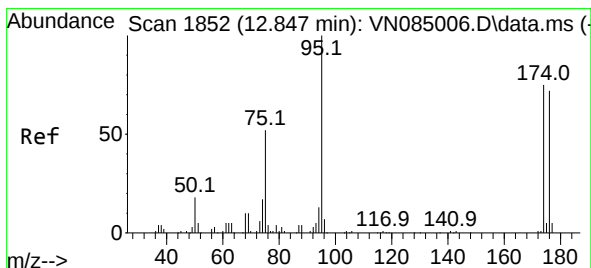
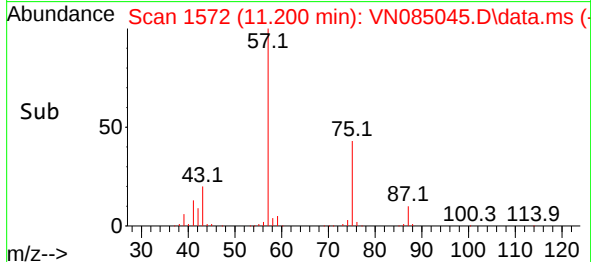
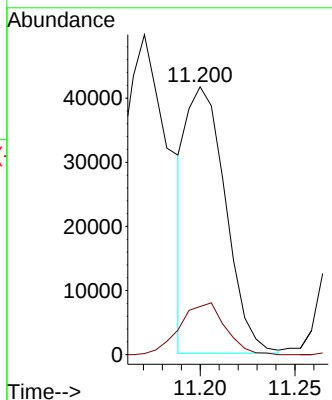
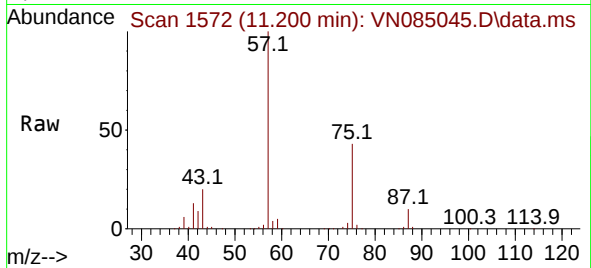




#59
2-Hexanone
Concen: 34.793 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

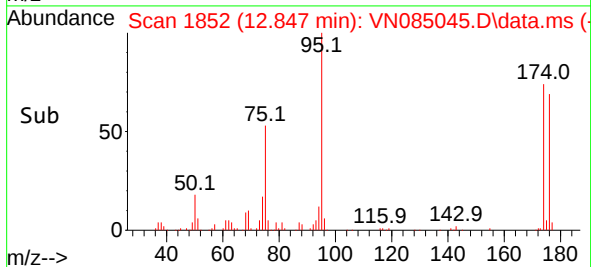
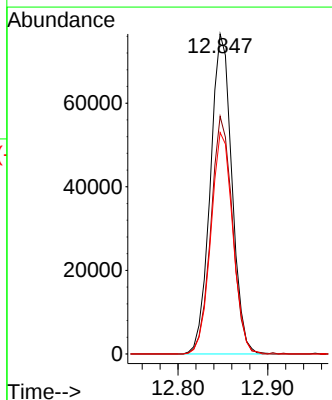
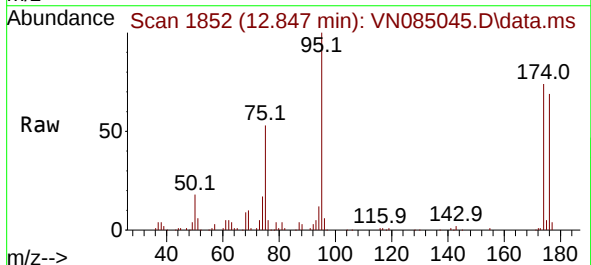
Instrument :
MSVOA_N
ClientSampleId :

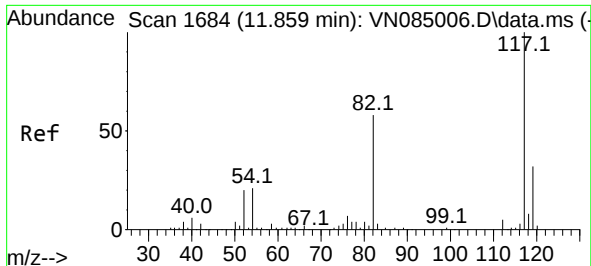
Tgt Ion: 43 Resp: 59649
Ion Ratio Lower Upper
43 100
58 22.6 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 48.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

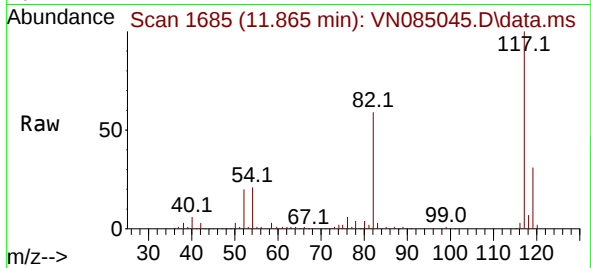
Tgt Ion: 95 Resp: 127670
Ion Ratio Lower Upper
95 100
174 74.2 0.0 146.6
176 70.6 0.0 141.8



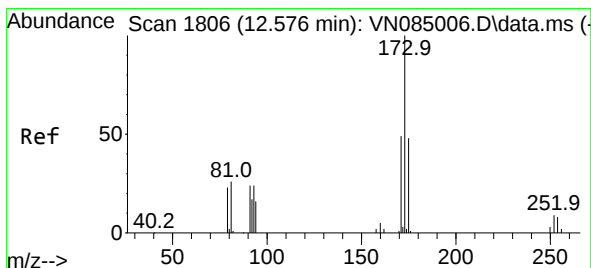
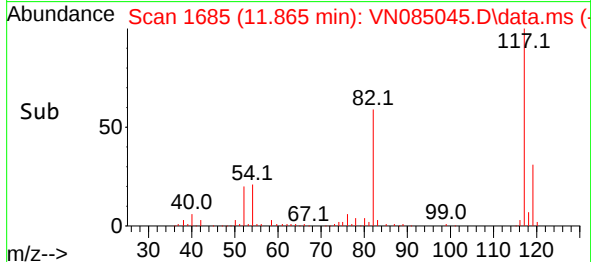
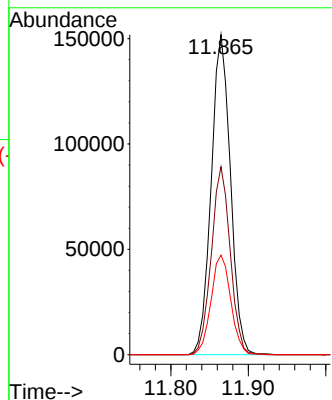


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

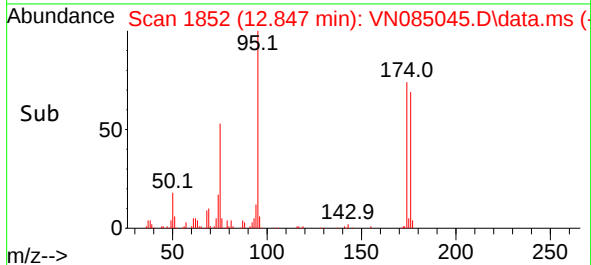
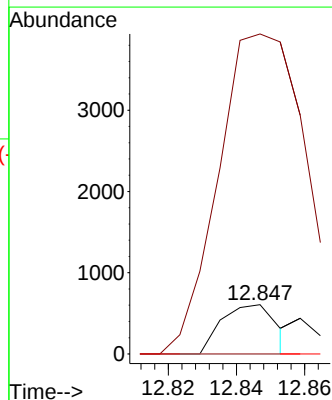
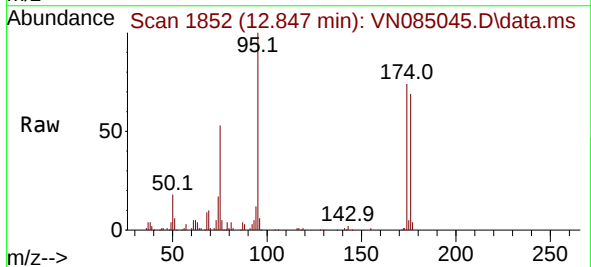


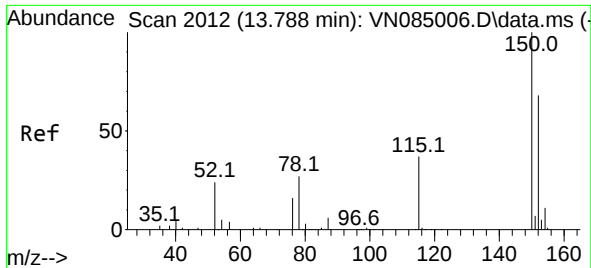
Tgt Ion:117 Resp: 261655
Ion Ratio Lower Upper
117 100
82 58.7 46.0 69.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.435 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

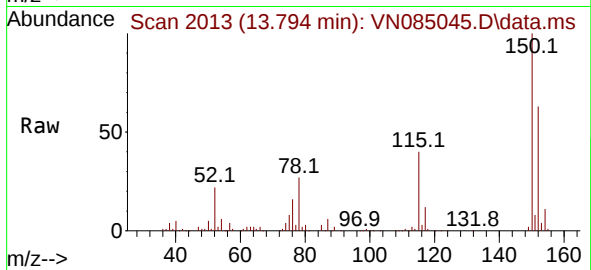
Tgt Ion:173 Resp: 674
Ion Ratio Lower Upper
173 100
175 795.0 23.8 71.2#
254 0.0 0.0 0.0



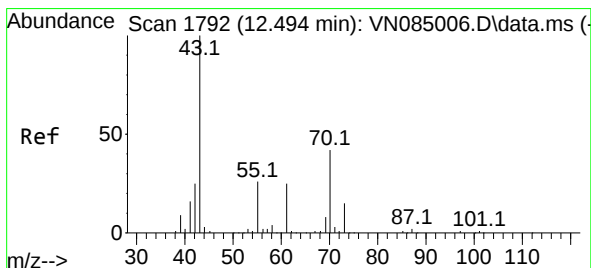
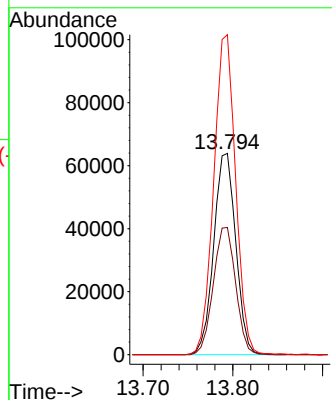
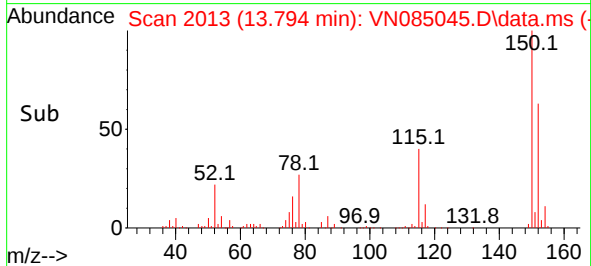


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

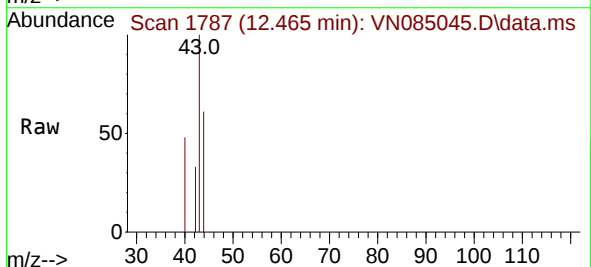
Instrument :
MSVOA_N
ClientSampleId :



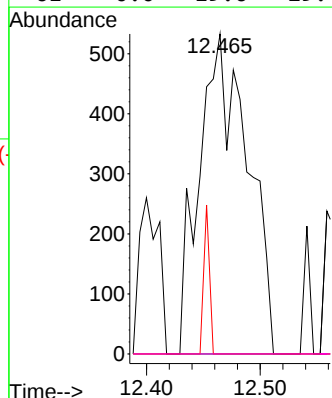
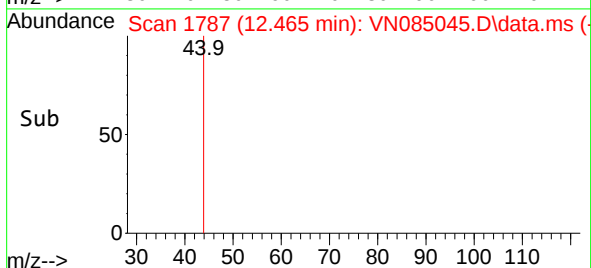
Tgt Ion:152 Resp: 109090
Ion Ratio Lower Upper
152 100
115 64.1 31.7 95.1
150 157.6 0.0 351.4

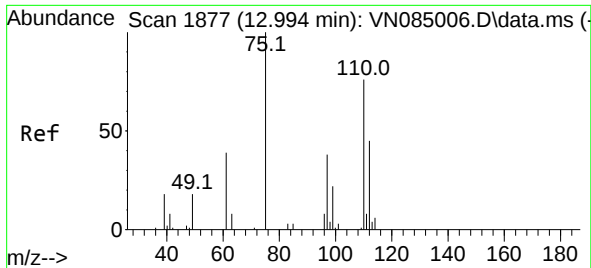


#74
N-ethyl acetate
Concen: 0.498 ug/l
RT: 12.465 min Scan# 1787
Delta R.T. -0.030 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11



Tgt Ion: 43 Resp: 1578
Ion Ratio Lower Upper
43 100
70 0.0 34.6 51.8#
55 5.6 20.5 30.7#
61 0.0 19.6 29.4#

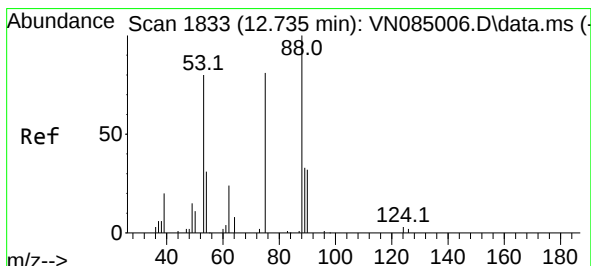
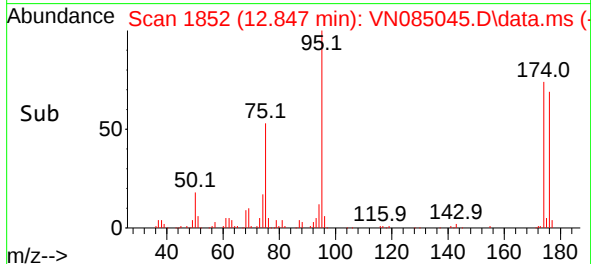
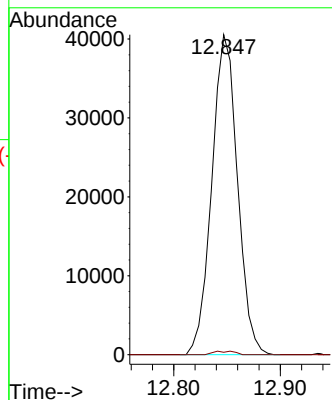
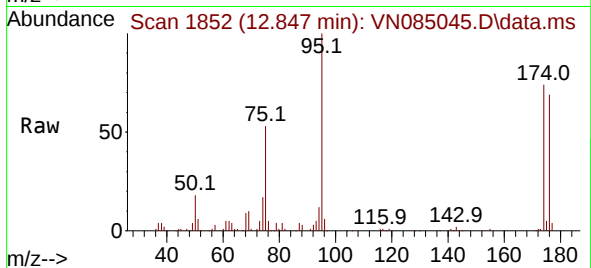




#76
1,2,3-Trichloropropane
Concen: 34.166 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 67794
Ion Ratio Lower Upper
75 100
77 0.9 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.423 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085045.D
Acq: 26 Nov 2024 16:11

Tgt Ion: 75 Resp: 67794
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#

