

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121024\
 Data File : VN085166.D
 Acq On : 10 Dec 2024 15:06
 Operator : JC\MD
 Sample : P5216-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

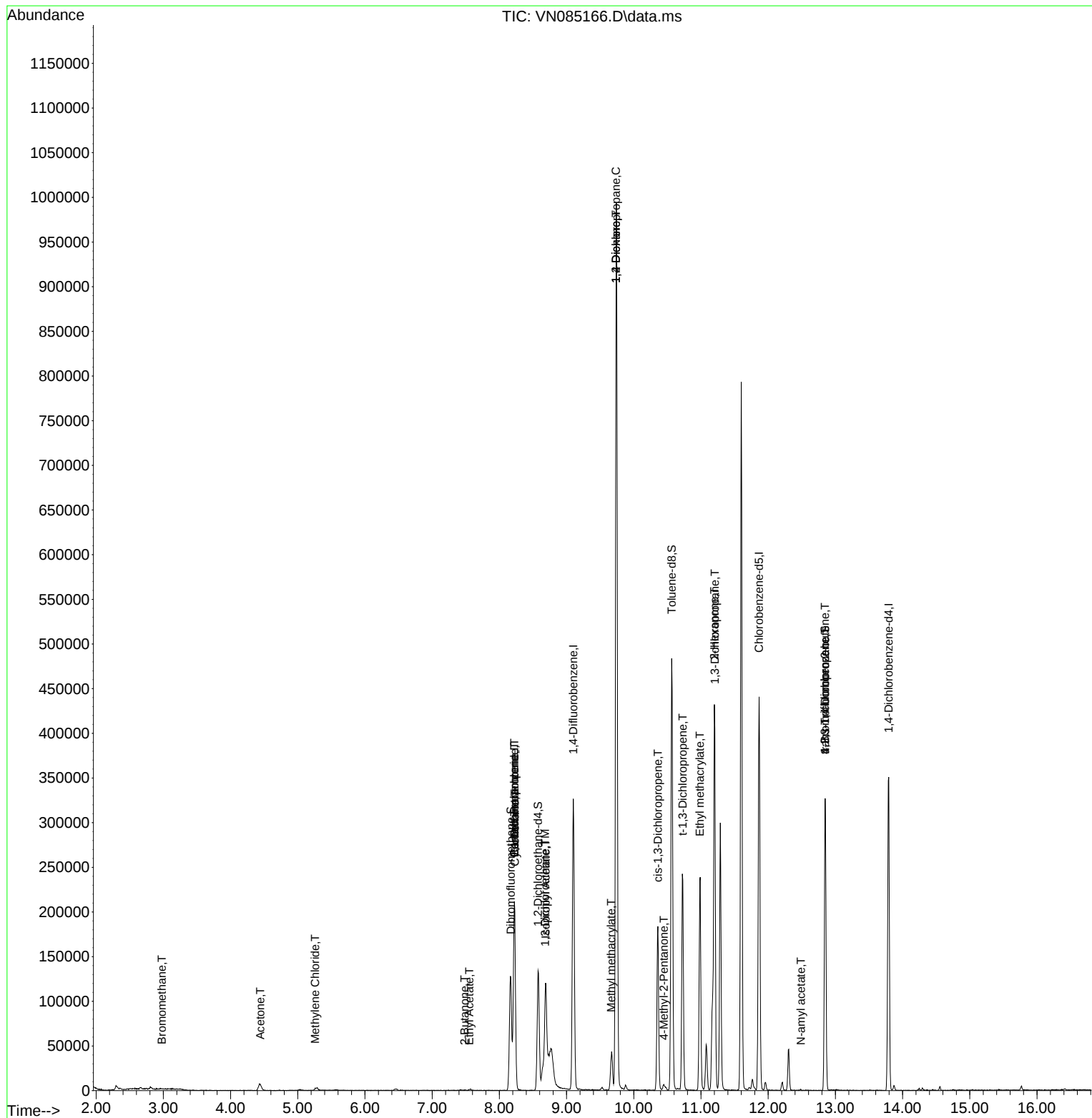
Quant Time: Dec 11 04:16:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

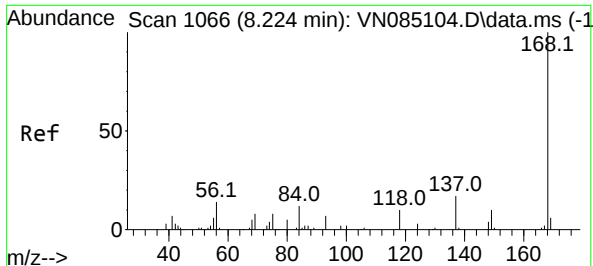
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	146481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110962	53.181	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	8.171	113	92012	49.567	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	10.565	98	333022	50.059	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.120%			
62) 4-Bromofluorobenzene	12.847	95	111361	44.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.520%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	476	0.492	ug/l #	72
16) Acetone	4.442	43	14572	23.980	ug/l	98
20) Methylene Chloride	5.259	84	947	0.511	ug/l #	87
25) 2-Butanone	7.483	43	599	0.603	ug/l #	48
31) Cyclohexane	8.230	56	3219	1.158	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12356	4.914	ug/l #	51
37) Ethyl Acetate	7.553	43	2755	1.205	ug/l #	67
38) Carbon Tetrachloride	8.224	117	16100	5.547	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	851	0.313	ug/l #	75
43) Isopropyl Acetate	8.688	43	170431	35.895	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1285	0.656	ug/l #	45
48) Methyl methacrylate	9.665	41	2700	1.528	ug/l #	39
49) 1,4-Dioxane	9.735	88	134	4.373	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7192	3.316	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	579	0.200	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	33297	10.853	ug/l #	64
56) Ethyl methacrylate	10.982	69	1425	0.556	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4308	1.396	ug/l #	42
59) 2-Hexanone	11.200	43	52718	32.502	ug/l #	54
74) N-amyl acetate	12.488	43	589	0.208	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	58637	33.113	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58637	73.099	ug/l #	10

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

Instrument :
MSVOA_N
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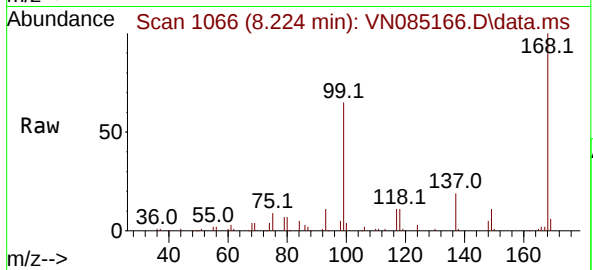
Instrument :
MSVOA_N
ClientSampleId :



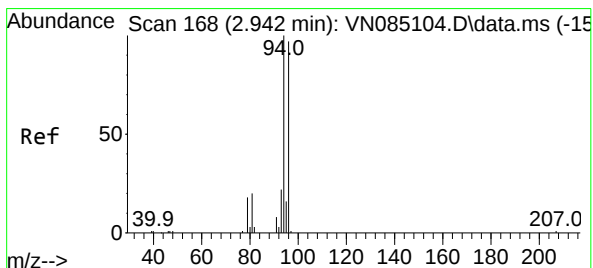
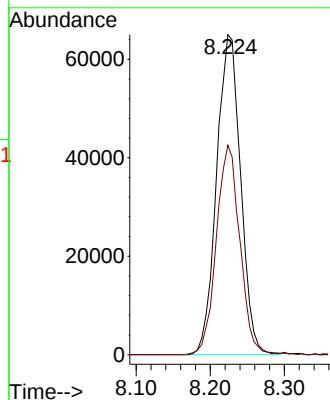
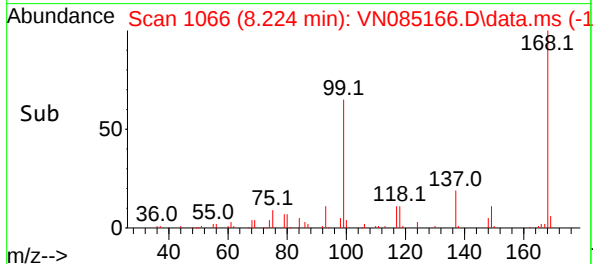


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :

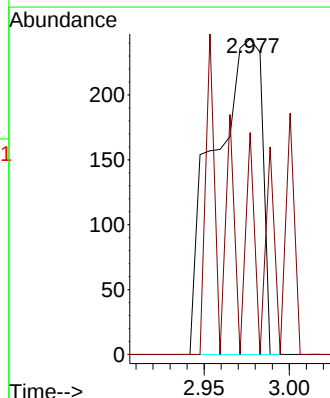
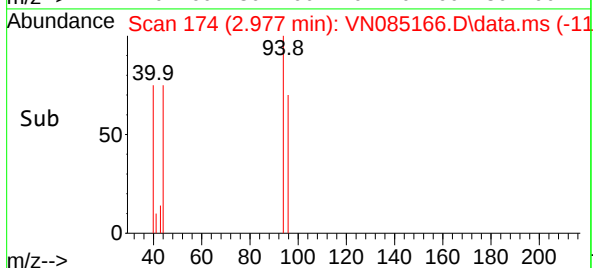
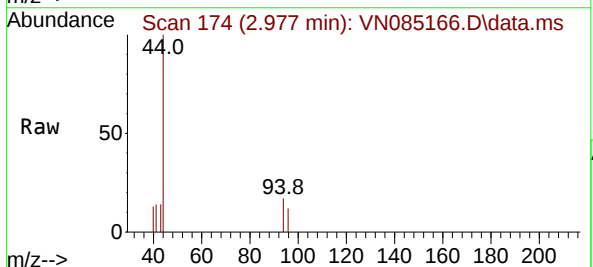


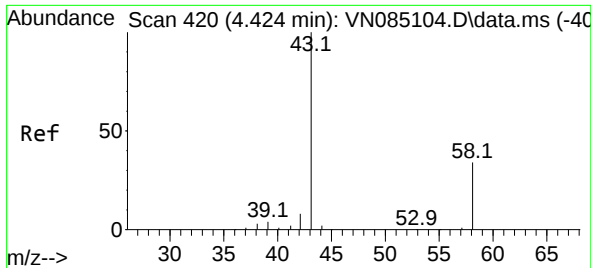
Tgt Ion:168 Resp: 146481
Ion Ratio Lower Upper
168 100
99 65.4 51.2 76.8



#5
Bromomethane
Concen: 0.492 ug/l
RT: 2.977 min Scan# 174
Delta R.T. 0.076 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 70.4 78.7 118.1#





#16

Acetone

Concen: 23.980 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

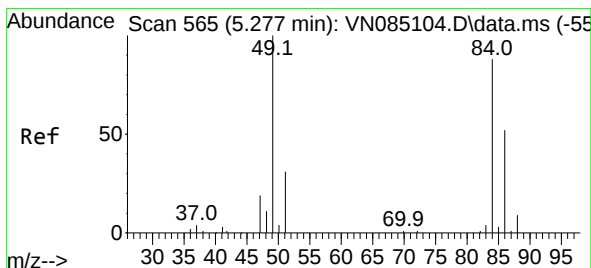
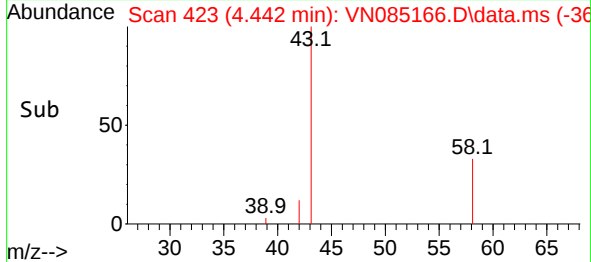
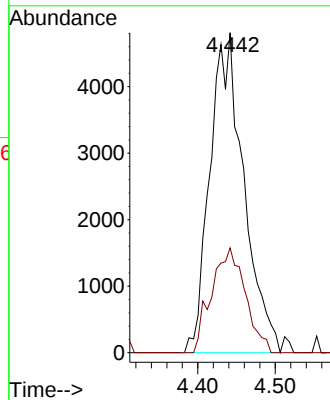
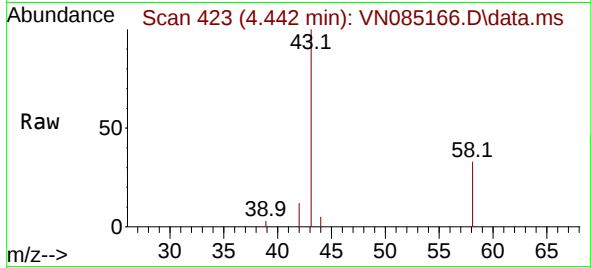
ClientSampleId :

Tgt Ion: 43 Resp: 14572

Ion Ratio Lower Upper

43 100

58 32.8 25.4 38.2



#20

Methylene Chloride

Concen: 0.511 ug/l

RT: 5.259 min Scan# 562

Delta R.T. -0.006 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Tgt Ion: 84 Resp: 947

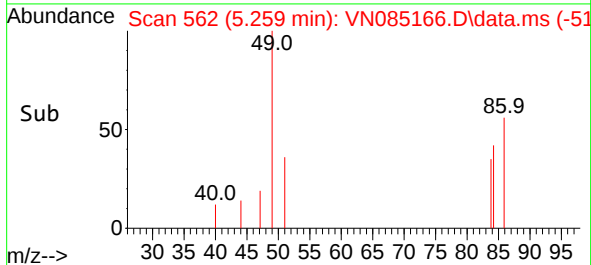
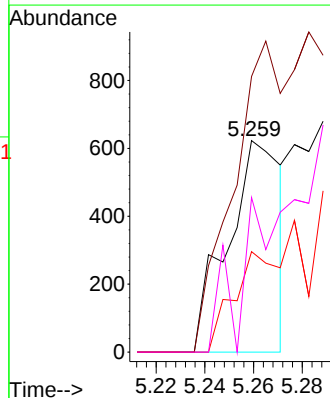
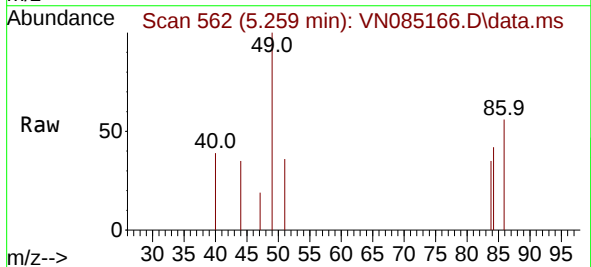
Ion Ratio Lower Upper

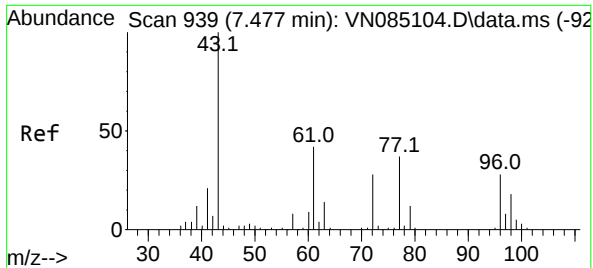
84 100

49 130.3 92.7 139.1

51 47.5 29.4 44.2#

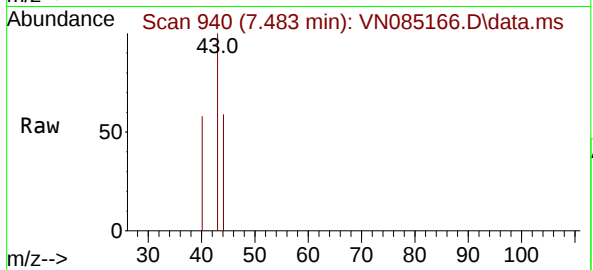
86 73.0 51.9 77.9



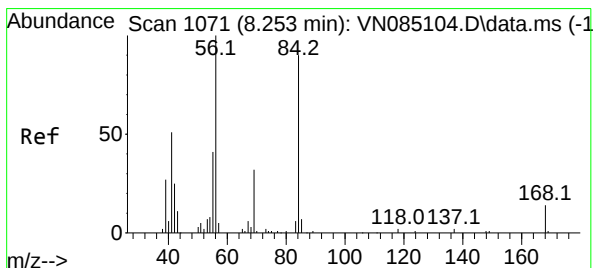
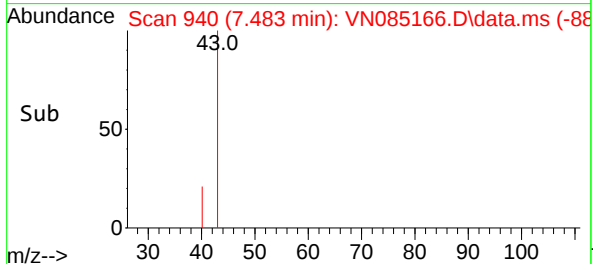
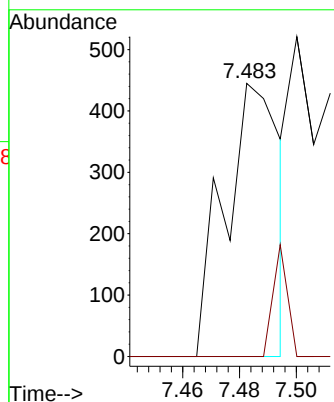


#25
2-Butanone
Concen: 0.603 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :

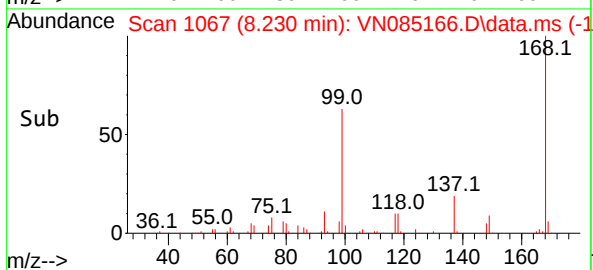
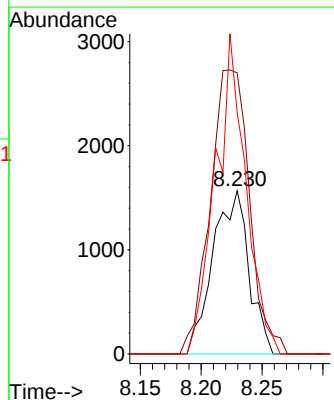
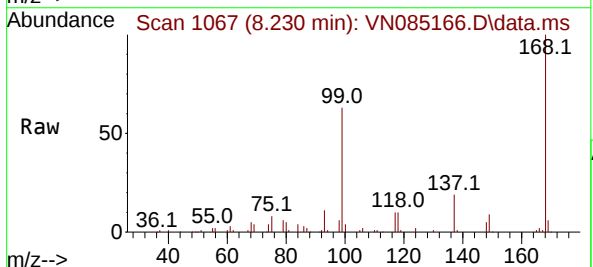


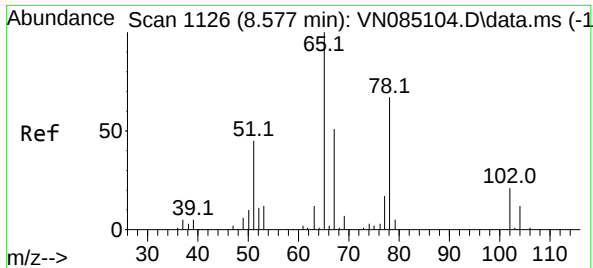
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Tgt Ion: 56 Resp: 3219
Ion Ratio Lower Upper
56 100
69 172.2 24.6 36.8#
84 147.9 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 53.181 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

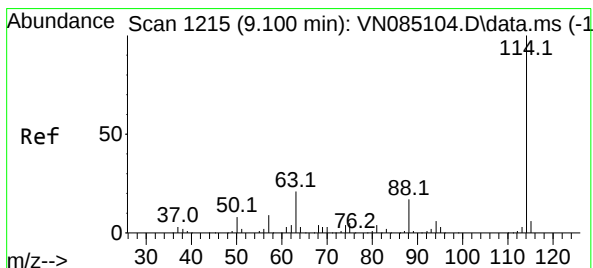
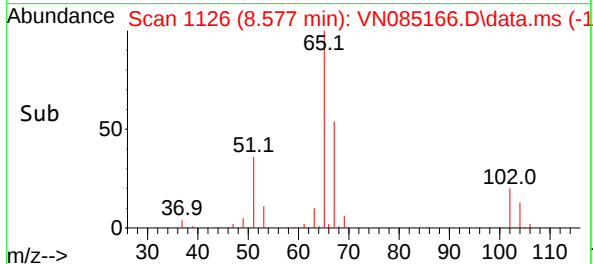
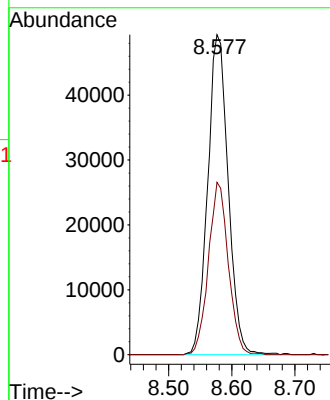
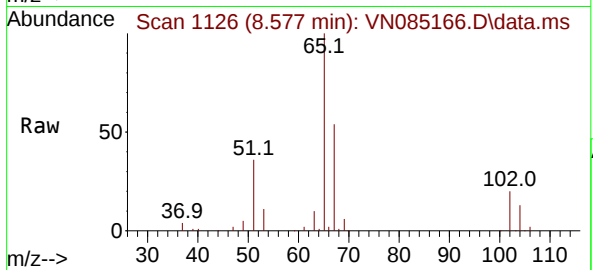
ClientSampleId :

Tgt Ion: 65 Resp: 110962

Ion Ratio Lower Upper

65 100

67 52.3 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: VN085166.D

Acq: 10 Dec 2024 15:06

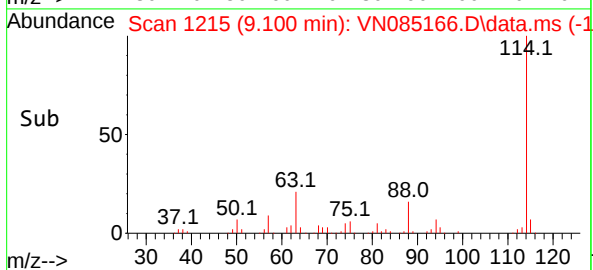
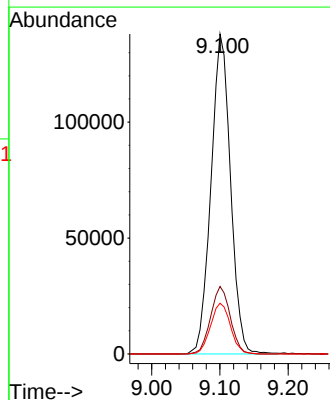
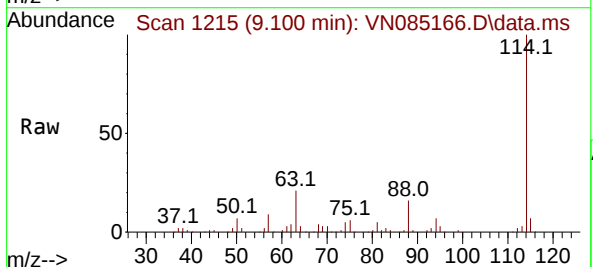
Tgt Ion: 114 Resp: 275269

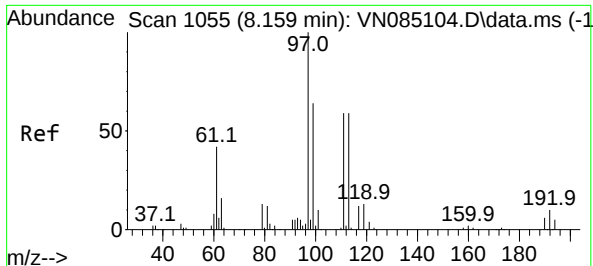
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 15.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.567 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.012 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

ClientSampleId :

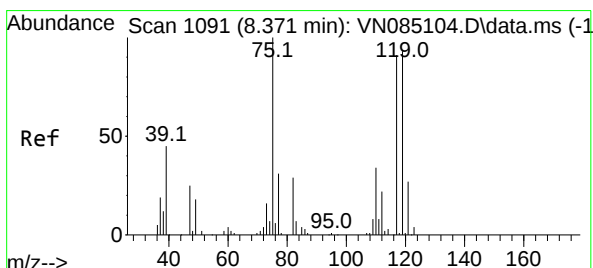
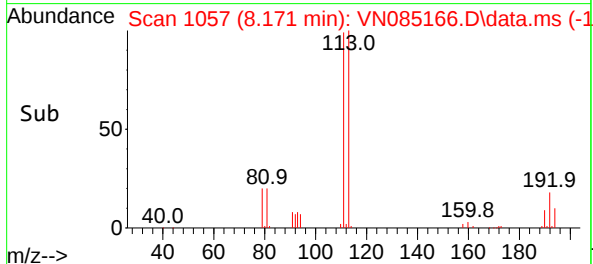
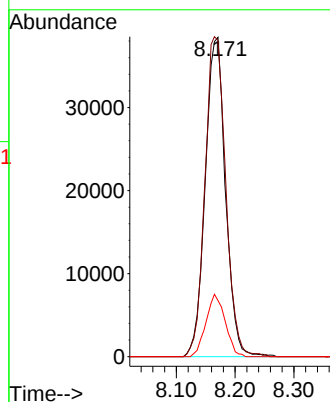
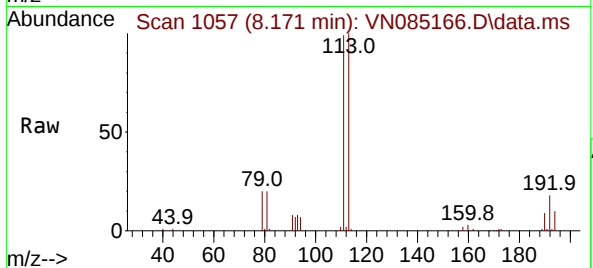
Tgt Ion:113 Resp: 92012

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.914 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

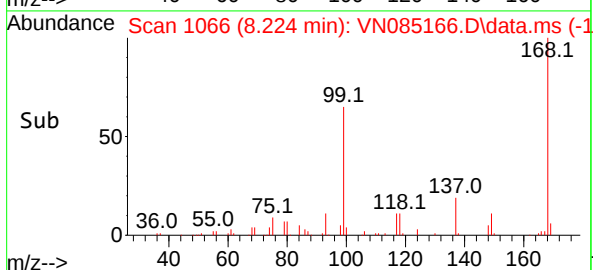
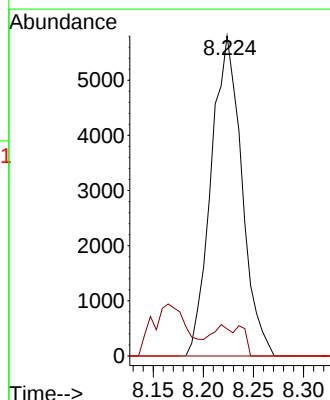
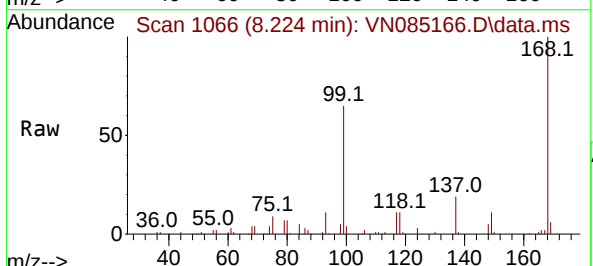
Tgt Ion: 75 Resp: 12356

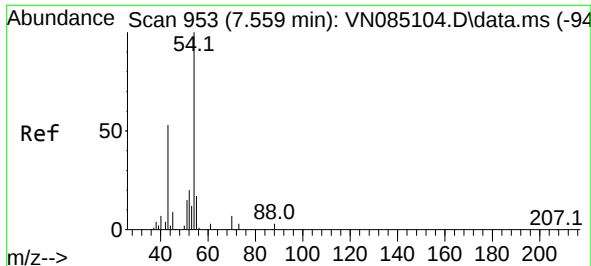
Ion Ratio Lower Upper

75 100

110 9.5 17.2 51.6#

77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 1.205 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

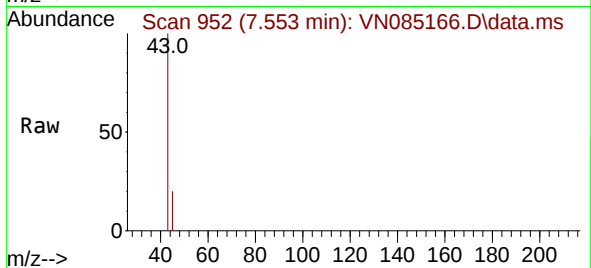
Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

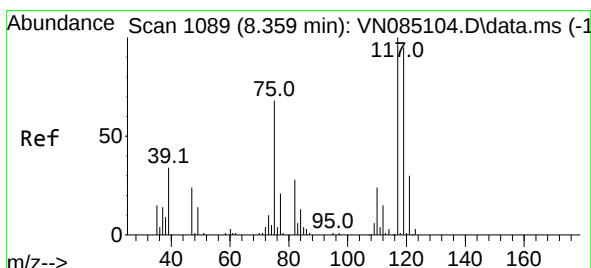
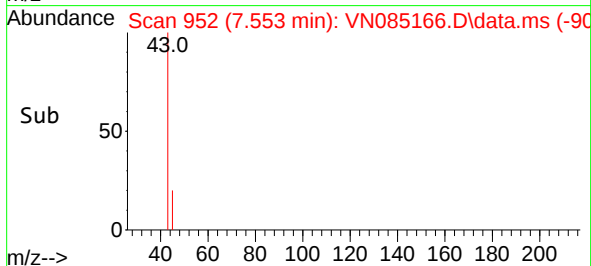
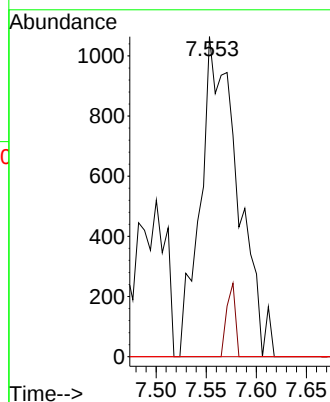
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2755
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 5.547 ug/l

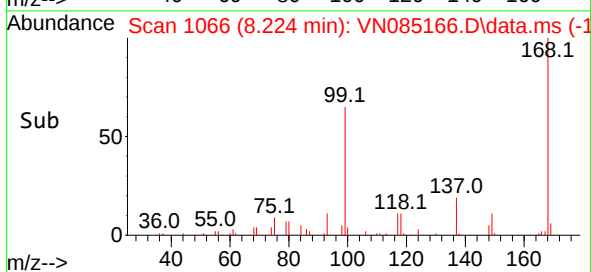
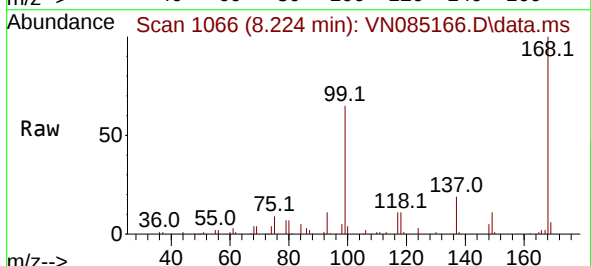
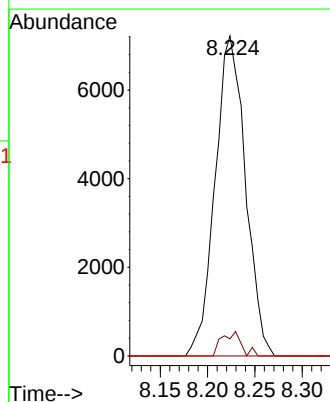
RT: 8.224 min Scan# 1066

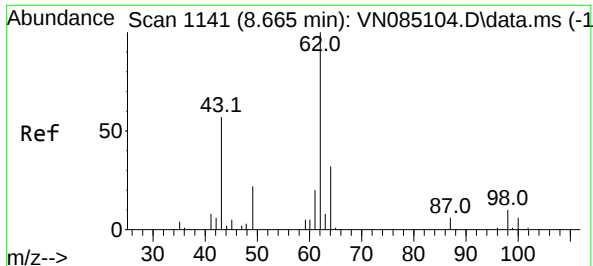
Delta R.T. -0.130 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Tgt Ion:	117	Resp:	16100
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.6	117.8#
121	0.0	24.2	36.2#





#42

1,2-Dichloroethane

Concen: 0.313 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

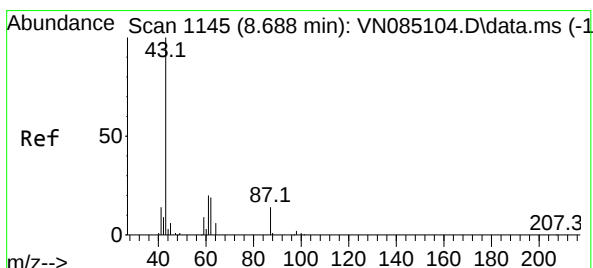
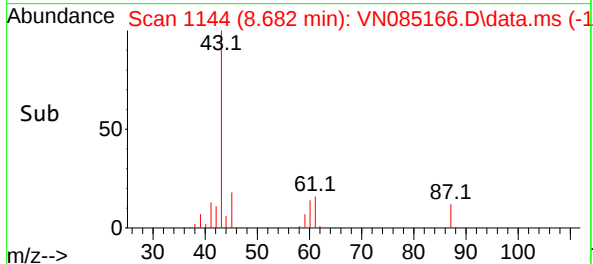
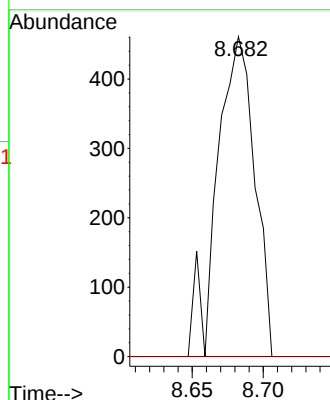
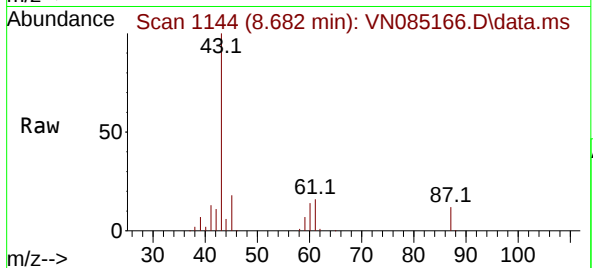
ClientSampleId :

Tgt Ion: 62 Resp: 851

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 35.895 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

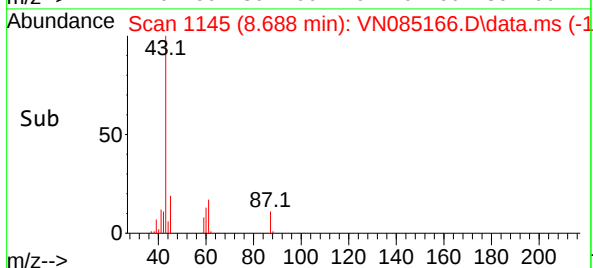
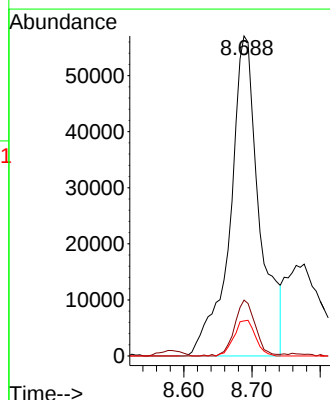
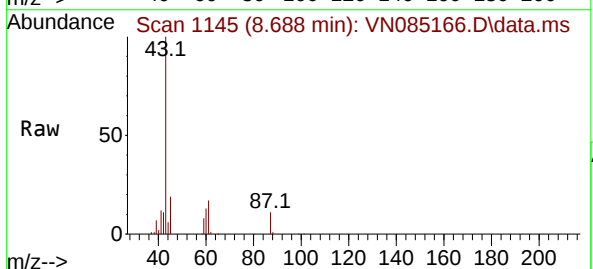
Tgt Ion: 43 Resp: 170431

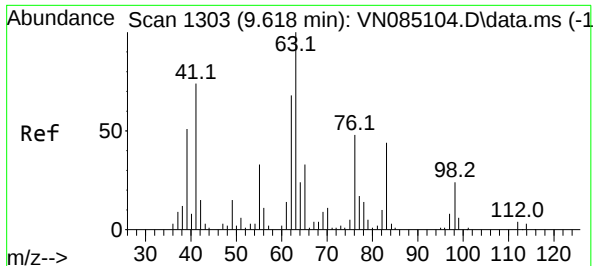
Ion Ratio Lower Upper

43 100

61 12.4 20.6 30.8#

87 8.2 11.0 16.4#





#45

1,2-Dichloropropane

Concen: 0.656 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

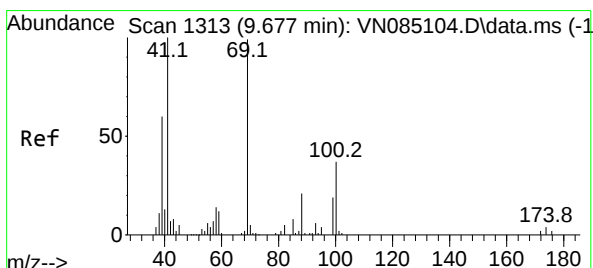
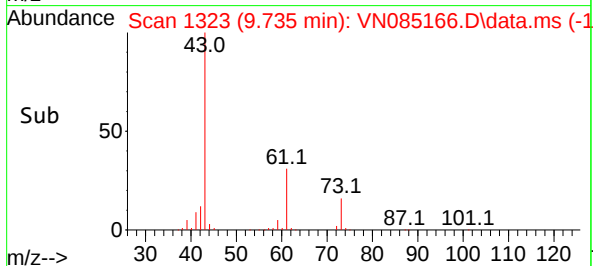
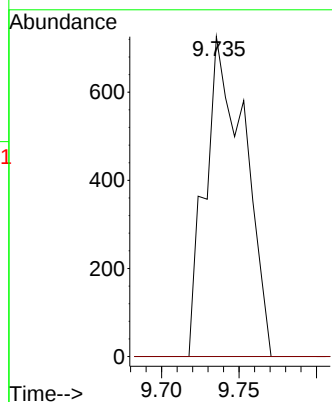
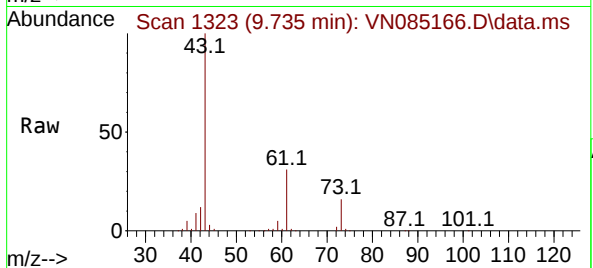
ClientSampleId :

Tgt Ion: 63 Resp: 1285

Ion Ratio Lower Upper

63 100

65 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.528 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

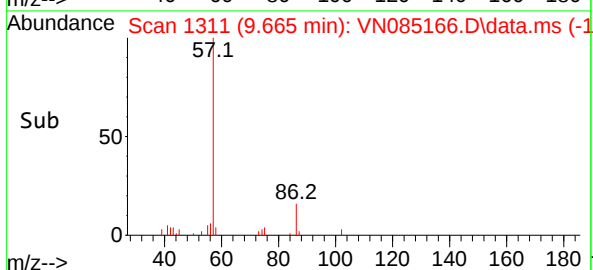
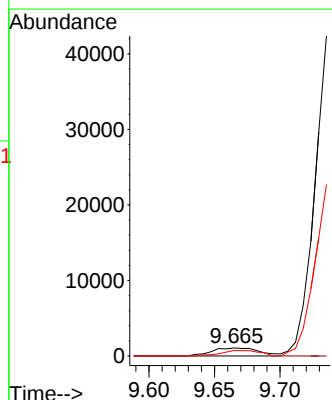
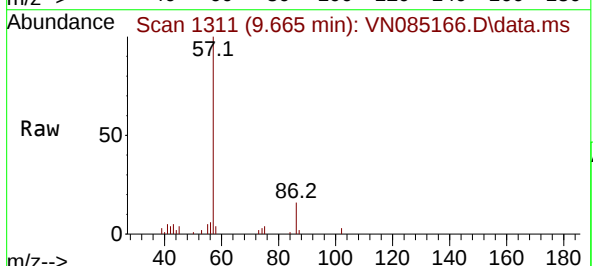
Tgt Ion: 41 Resp: 2700

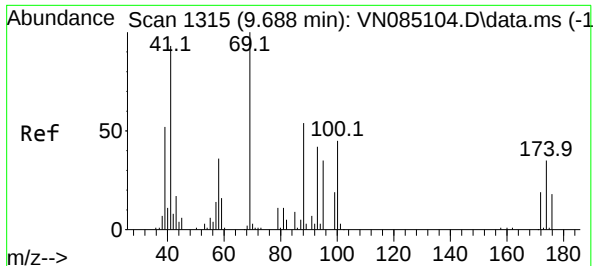
Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 54.7 46.2 69.4





#49

1,4-Dioxane

Concen: 4.373 ug/l

RT: 9.735 min Scan# 1315

Delta R.T. 0.041 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

ClientSampleId :

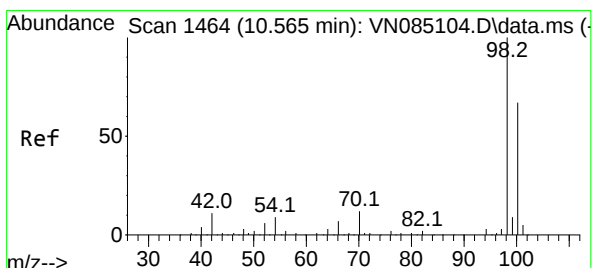
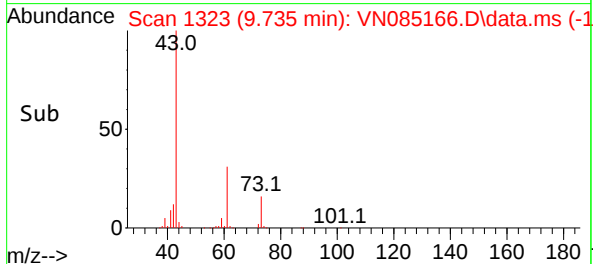
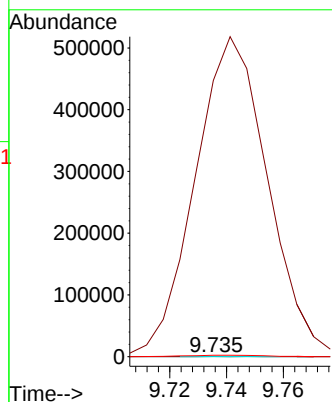
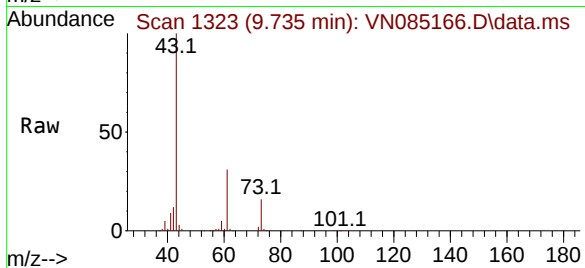
Tgt Ion: 88 Resp: 134

Ion Ratio Lower Upper

88 100

43 692223.1 16.7 25.1#

58 3573.1 56.5 84.7#



#50

Toluene-d8

Concen: 50.059 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085166.D

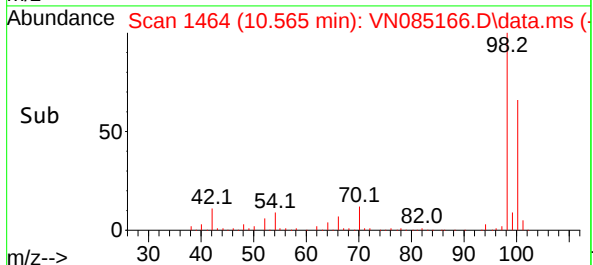
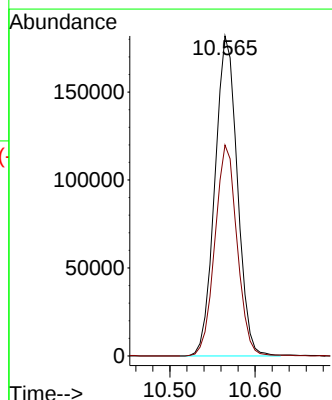
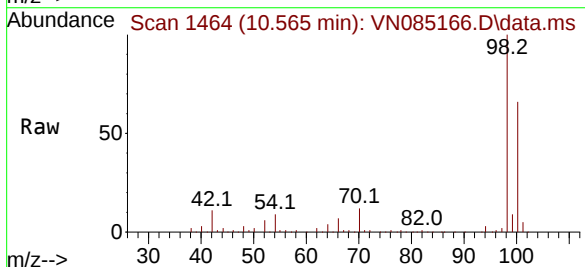
Acq: 10 Dec 2024 15:06

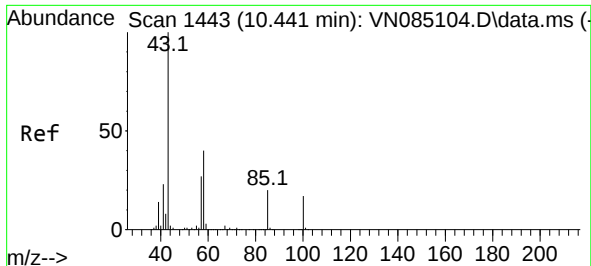
Tgt Ion: 98 Resp: 333022

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 3.316 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

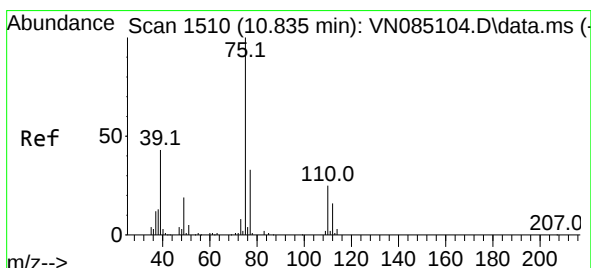
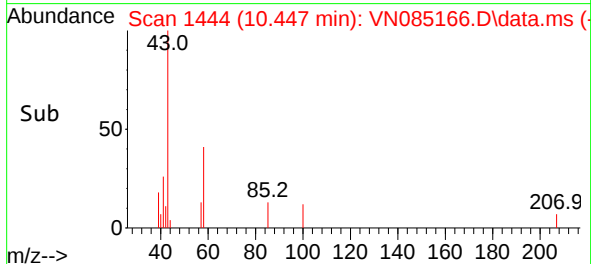
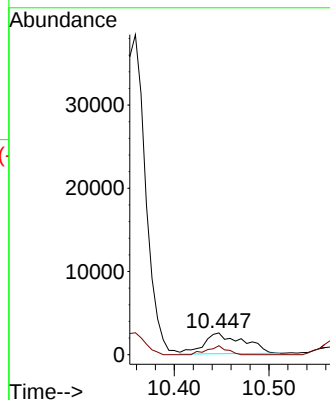
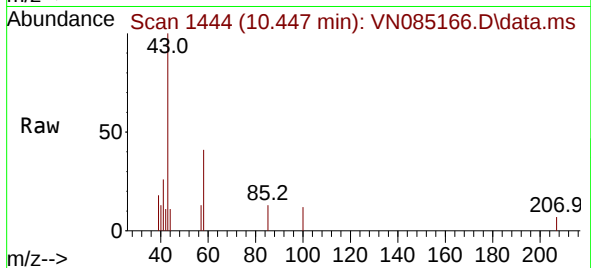
ClientSampleId :

Tgt Ion: 43 Resp: 7192

Ion Ratio Lower Upper

43 100

58 21.5 32.1 48.1#



#53

t-1,3-Dichloropropene

Concen: 0.200 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN085166.D

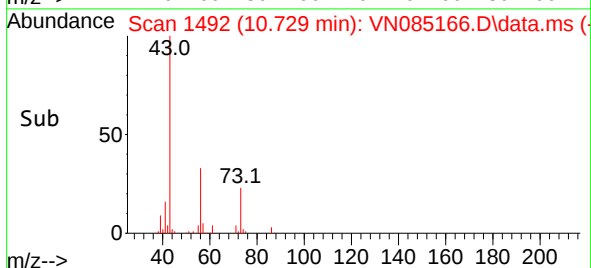
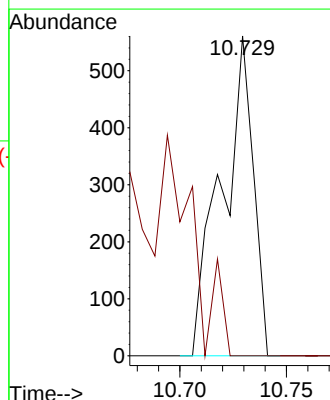
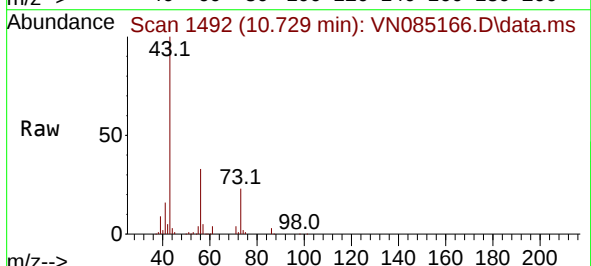
Acq: 10 Dec 2024 15:06

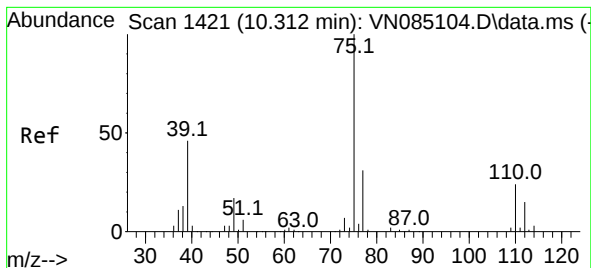
Tgt Ion: 75 Resp: 579

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

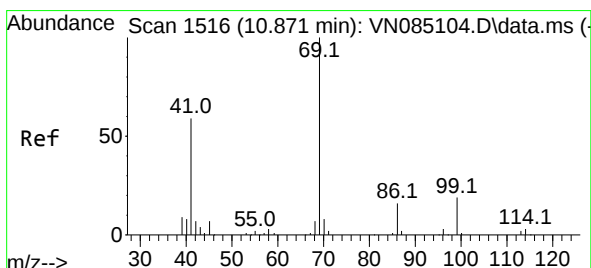
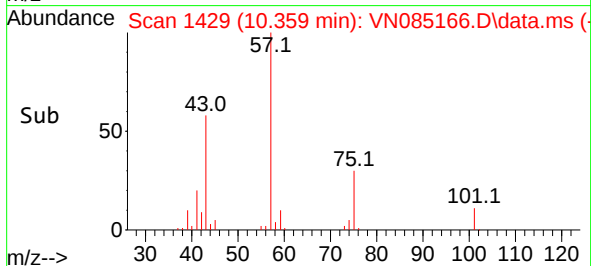
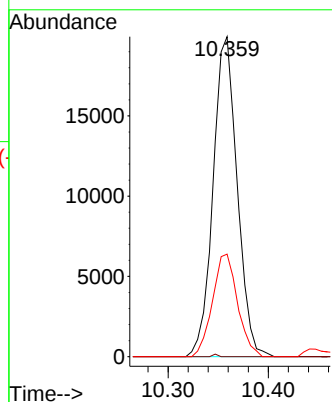
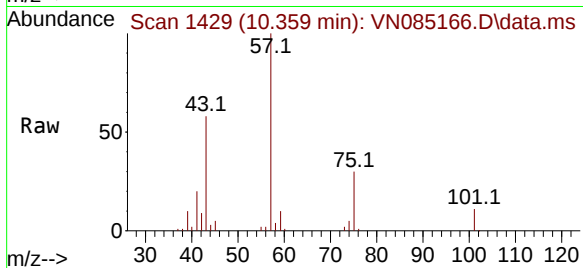




#54
 cis-1,3-Dichloropropene
 Concen: 10.853 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085166.D
 Acq: 10 Dec 2024 15:06

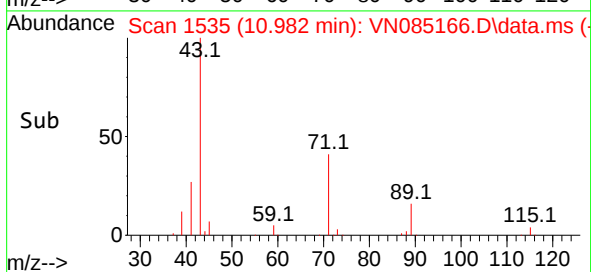
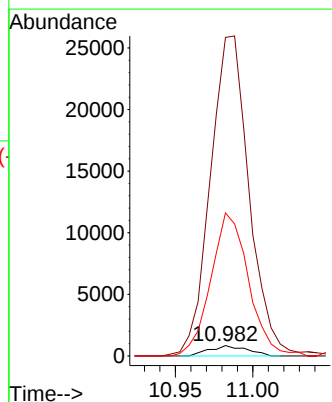
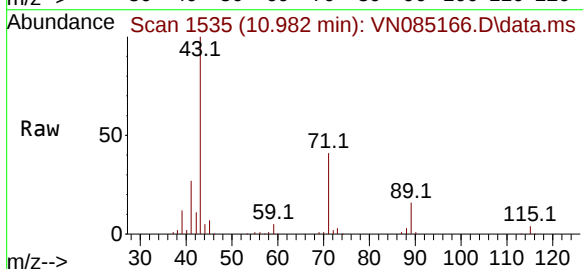
Instrument :
 MSVOA_N
 ClientSampleId :

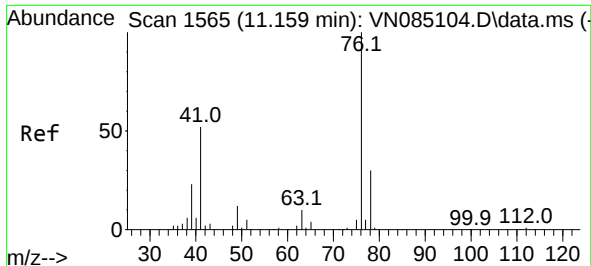
Tgt Ion: 75 Resp: 33297
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 32.0 37.6 56.4#



#56
 Ethyl methacrylate
 Concen: 0.556 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN085166.D
 Acq: 10 Dec 2024 15:06

Tgt Ion: 69 Resp: 1425
 Ion Ratio Lower Upper
 69 100
 41 3184.6 50.0 75.0#
 39 1378.4 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.396 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN085166.D

Acq: 10 Dec 2024 15:06

Instrument :

MSVOA_N

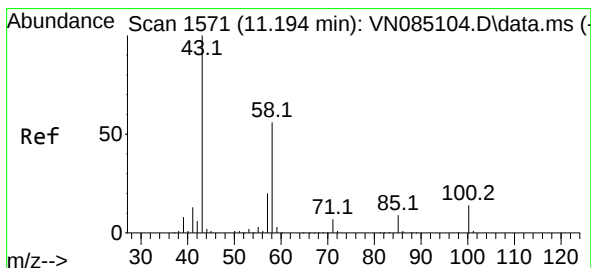
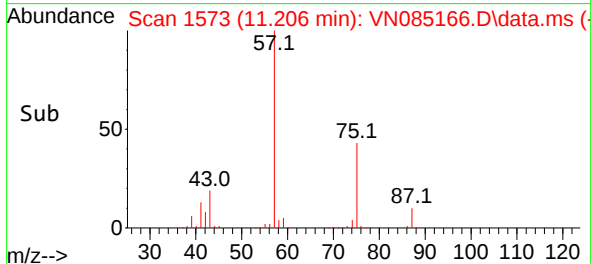
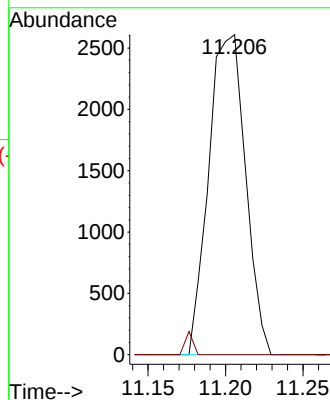
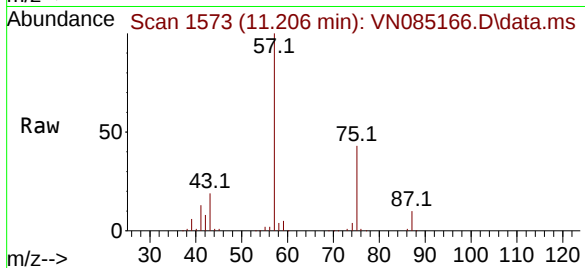
ClientSampleId :

Tgt Ion: 76 Resp: 4308

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.502 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085166.D

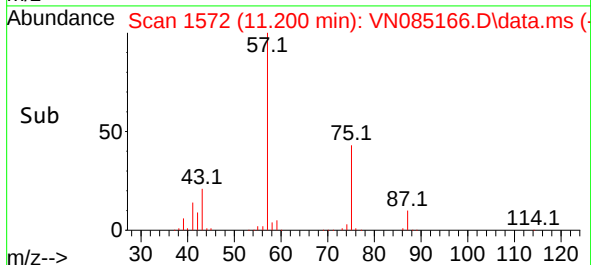
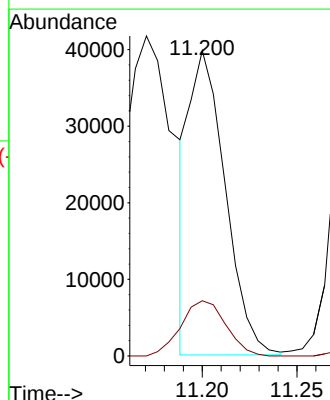
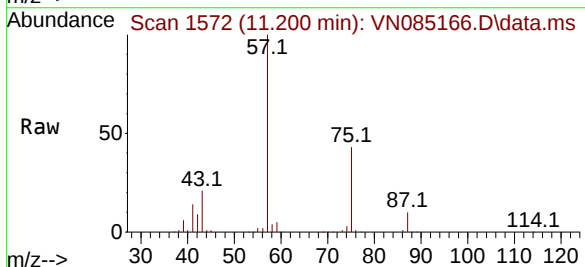
Acq: 10 Dec 2024 15:06

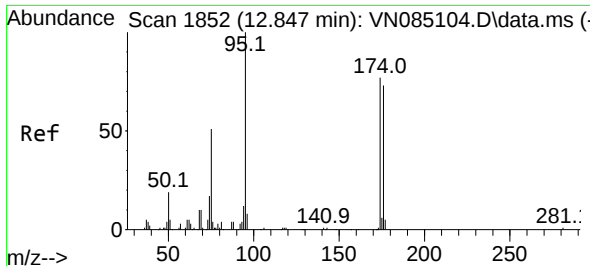
Tgt Ion: 43 Resp: 52718

Ion Ratio Lower Upper

43 100

58 22.6 28.3 85.0#

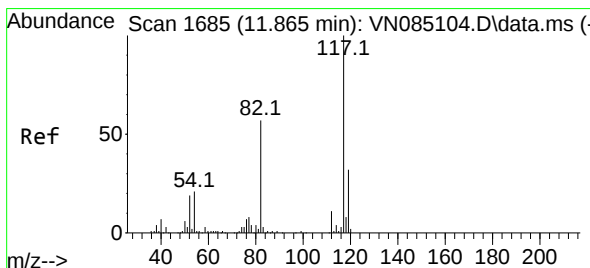
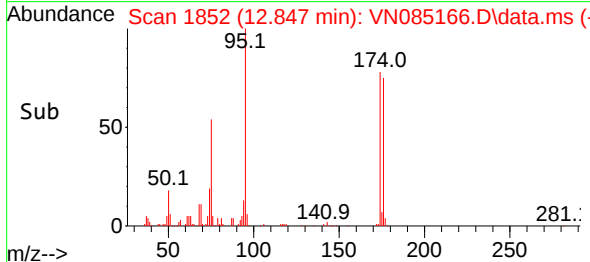
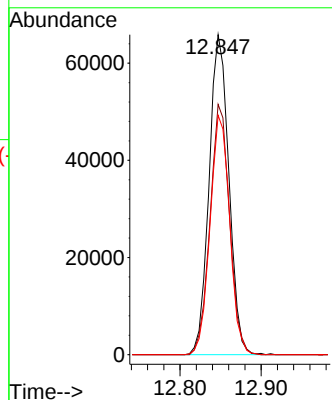
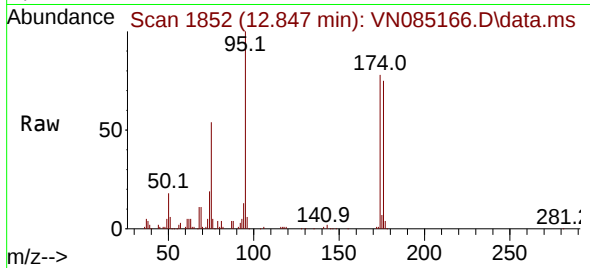




#62
4-Bromofluorobenzene
Concen: 44.762 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

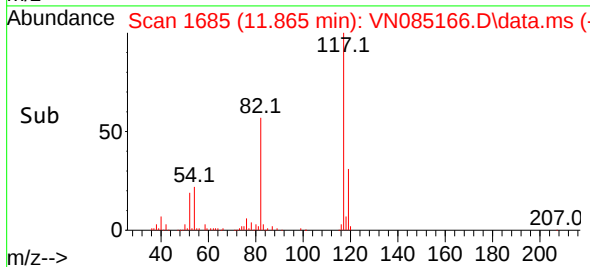
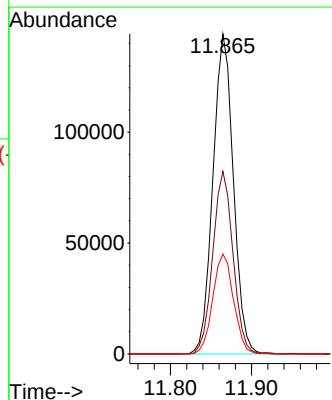
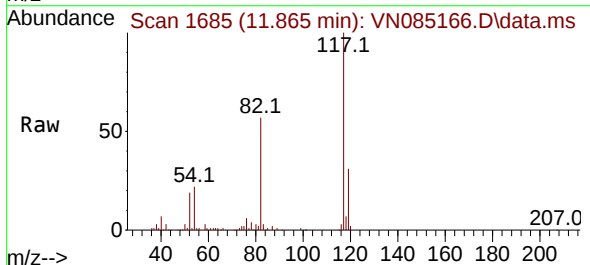
Instrument :
MSVOA_N
ClientSampleId :

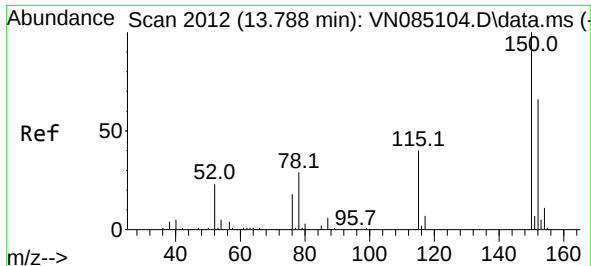
Tgt Ion: 95 Resp: 111361
Ion Ratio Lower Upper
95 100
174 77.4 0.0 146.6
176 74.1 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Tgt Ion:117 Resp: 252526
Ion Ratio Lower Upper
117 100
82 57.0 46.0 69.0
119 31.2 25.6 38.4

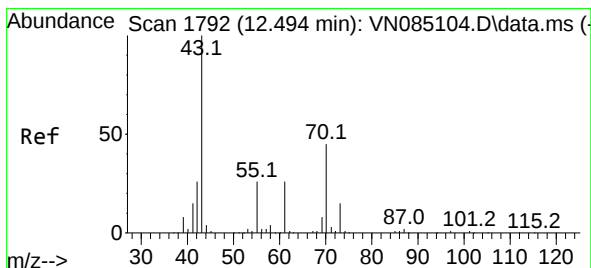
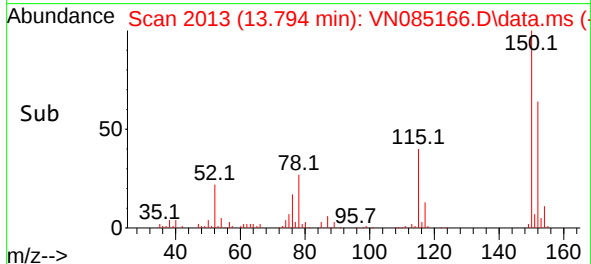
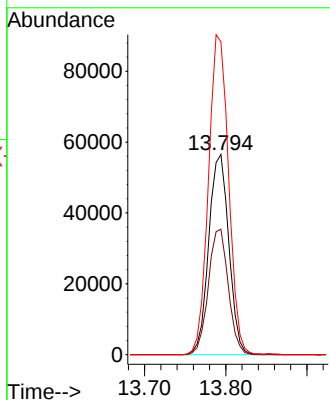
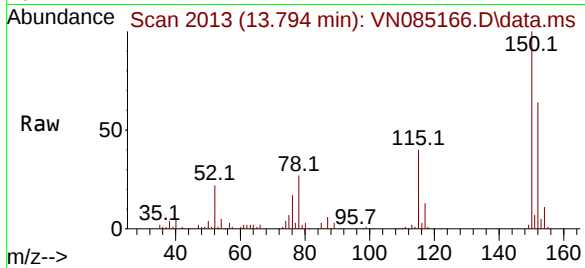




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

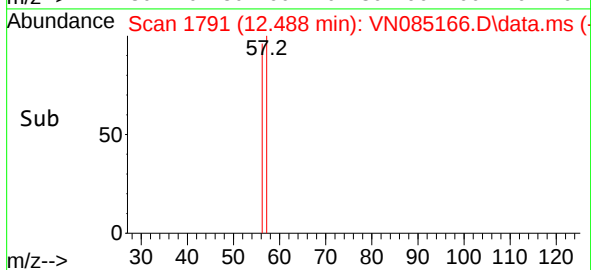
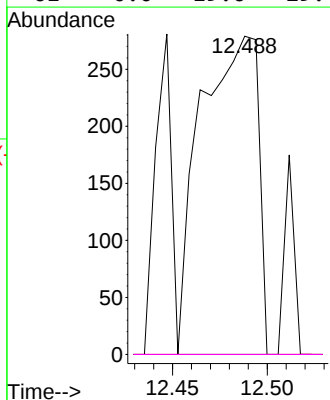
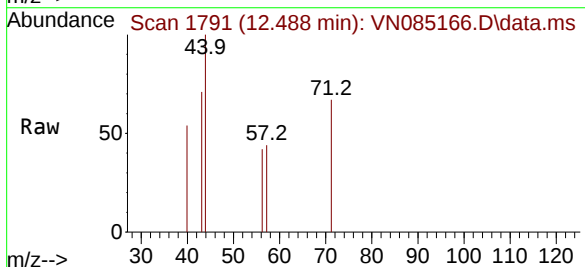
Instrument :
MSVOA_N
ClientSampleId :

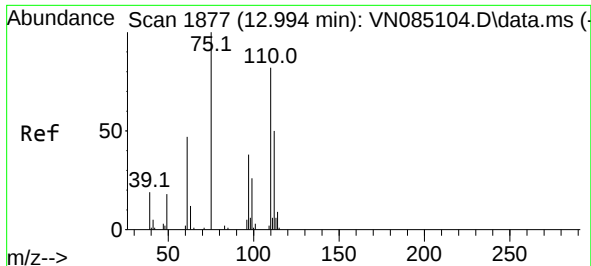
Tgt Ion:152 Resp: 97355
Ion Ratio Lower Upper
152 100
115 62.0 31.7 95.1
150 159.5 0.0 351.4



#74
N-ethyl acetate
Concen: 0.208 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Tgt Ion: 43 Resp: 589
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#

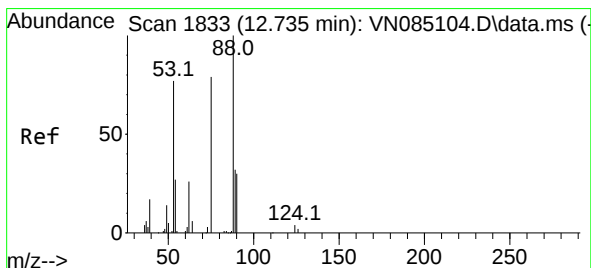
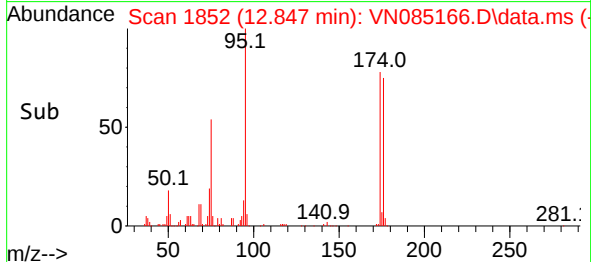
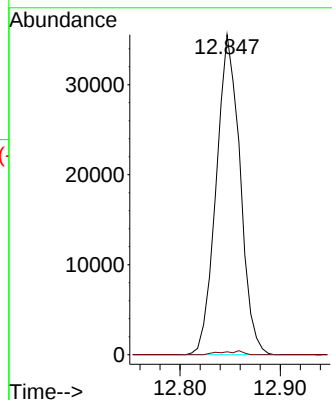
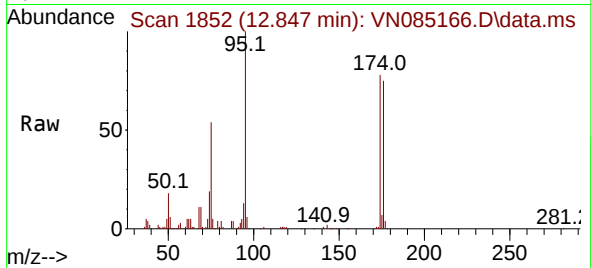




#76
1,2,3-Trichloropropane
Concen: 33.113 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58637
Ion Ratio Lower Upper
75 100
77 1.1 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.099 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085166.D
Acq: 10 Dec 2024 15:06

Tgt Ion: 75 Resp: 58637
Ion Ratio Lower Upper
75 100
53 0.1 78.2 117.4#
89 0.0 37.9 56.9#

