

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085638.D
 Acq On : 03 Feb 2025 21:37
 Operator : JC\MD
 Sample : Q1241-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

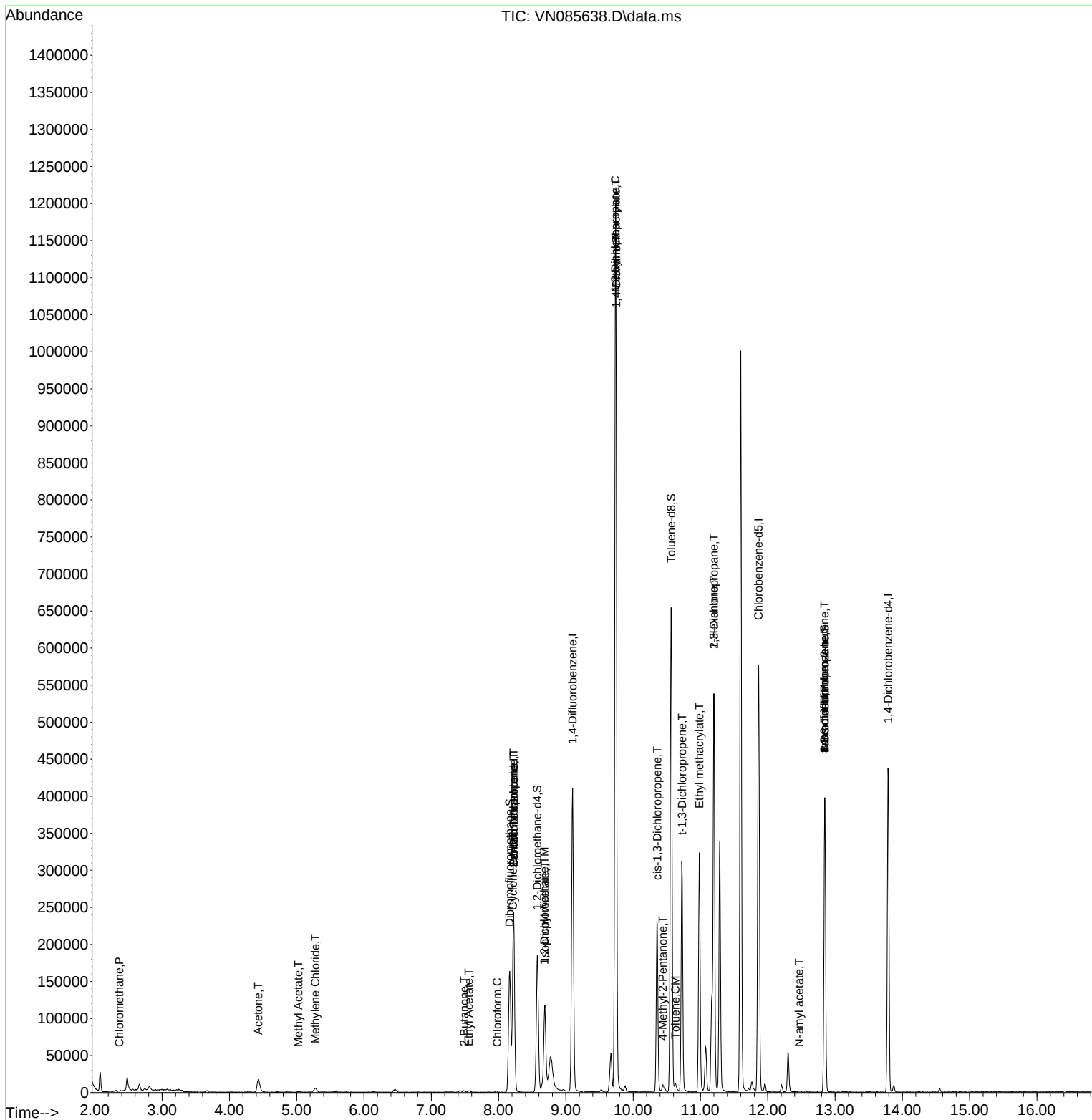
Quant Time: Feb 04 01:01:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

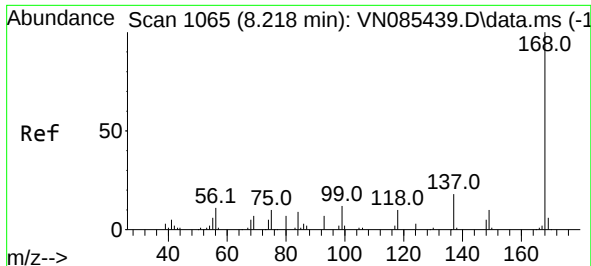
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	163991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	343832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144365	54.536	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.080%	
35) Dibromofluoromethane	8.165	113	119058	49.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.820%	
50) Toluene-d8	10.565	98	455608	53.758	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.520%	
62) 4-Bromofluorobenzene	12.847	95	132098	45.565	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	486	0.202	ug/l #	41
16) Acetone	4.430	43	33701	39.402	ug/l	98
18) Methyl Acetate	5.024	43	2337	0.899	ug/l #	75
20) Methylene Chloride	5.277	84	4200	1.984	ug/l #	85
25) 2-Butanone	7.489	43	3794	3.014	ug/l #	68
30) Chloroform	7.977	83	1518	0.380	ug/l #	69
31) Cyclohexane	8.212	56	4557	1.356	ug/l #	28
36) 1,1-Dichloropropene	8.224	75	15404	4.601	ug/l #	50
37) Ethyl Acetate	7.559	43	3290	0.974	ug/l #	80
38) Carbon Tetrachloride	8.224	117	17909	4.673	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	881	0.233	ug/l #	76
43) Isopropyl Acetate	8.688	43	130603	24.121	ug/l #	89
45) 1,2-Dichloropropane	9.735	63	1587	0.618	ug/l #	43
48) Methyl methacrylate	9.741	41	114149	46.847	ug/l #	46
49) 1,4-Dioxane	9.747	88	70	1.706	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10618	3.379	ug/l #	74
52) Toluene	10.630	92	4238	0.727	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	727	0.204	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	39705	10.414	ug/l #	62
56) Ethyl methacrylate	10.982	69	2156	2.465	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5574	1.390	ug/l #	43
59) 2-Hexanone	11.200	43	60380	27.312	ug/l #	62
71) Bromoform	12.847	173	1219	0.641	ug/l #	1
74) N-amyl acetate	12.465	43	1514	0.429	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	71764	30.376	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71764	82.184	ug/l #	3

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

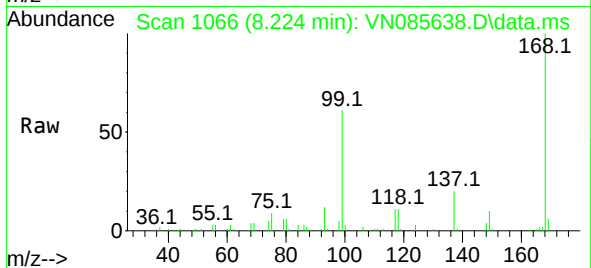
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



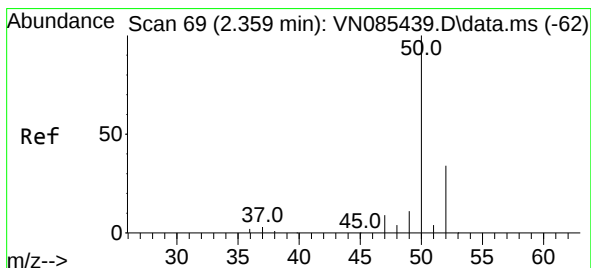
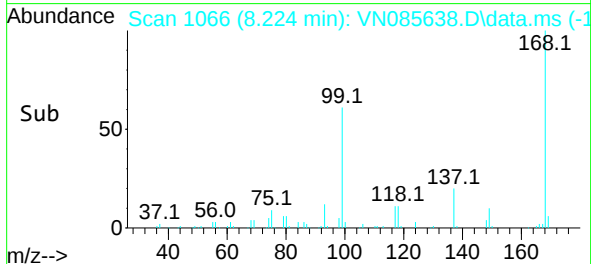
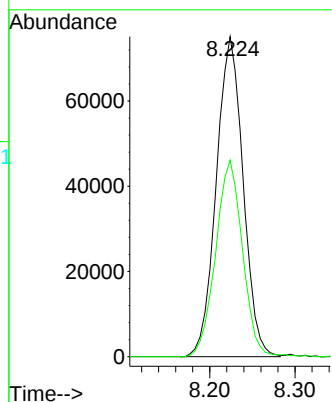


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Instrument :
MSVOA_N
ClientSampleId :

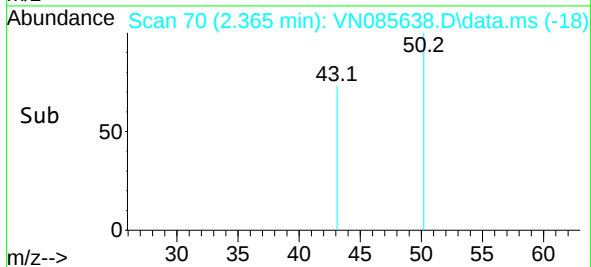
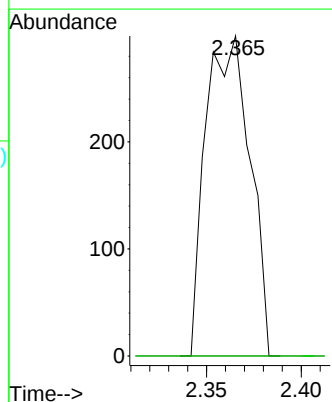
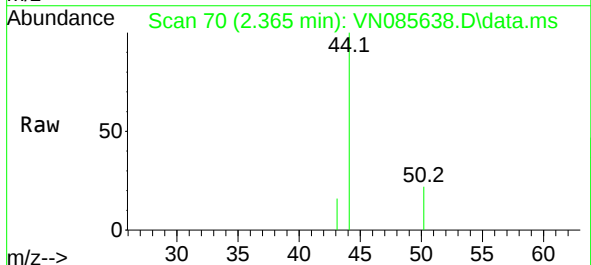


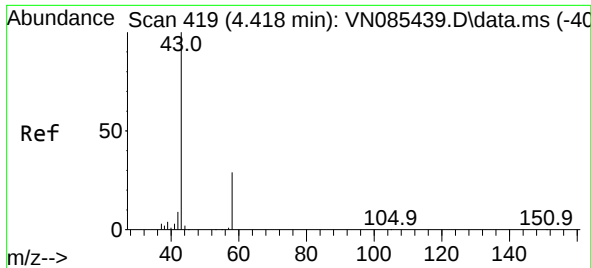
Tgt Ion:168 Resp: 163991
Ion Ratio Lower Upper
168 100
99 61.4 53.6 80.4



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Tgt Ion: 50 Resp: 486
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

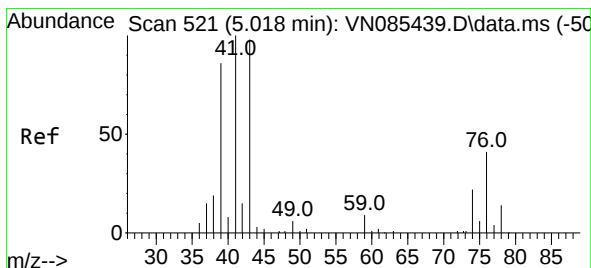
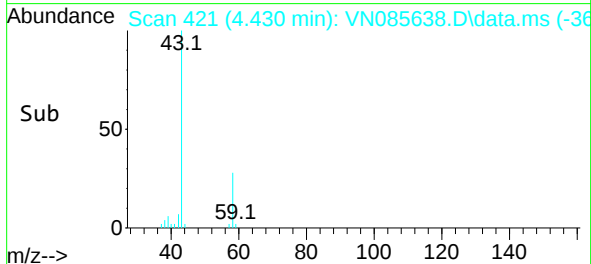
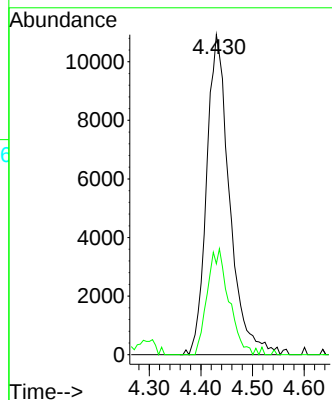
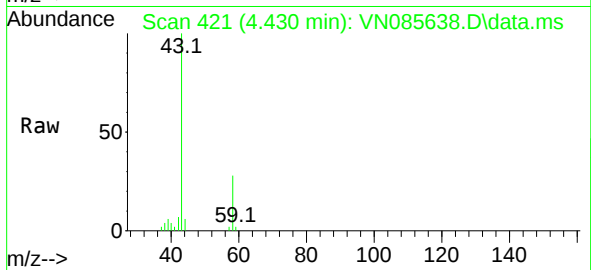




#16
Acetone
Concen: 39.402 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

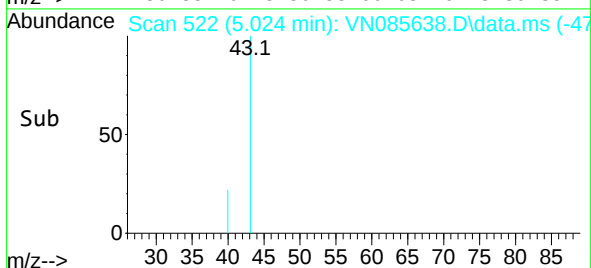
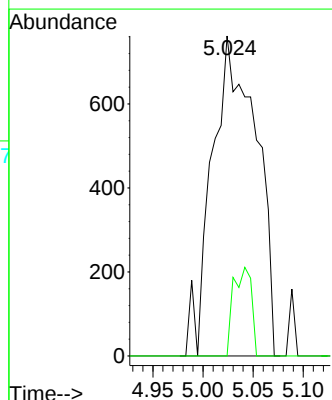
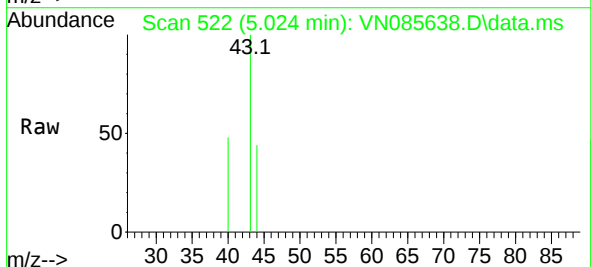
Instrument :
MSVOA_N
ClientSampleId :

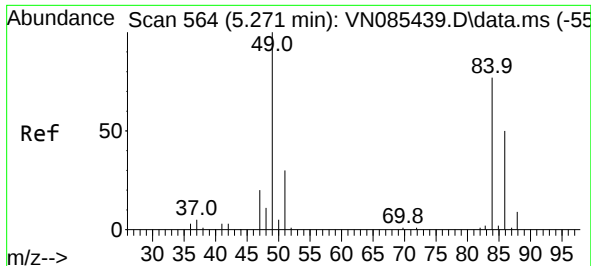
Tgt Ion: 43 Resp: 33701
Ion Ratio Lower Upper
43 100
58 28.4 23.8 35.6



#18
Methyl Acetate
Concen: 0.899 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

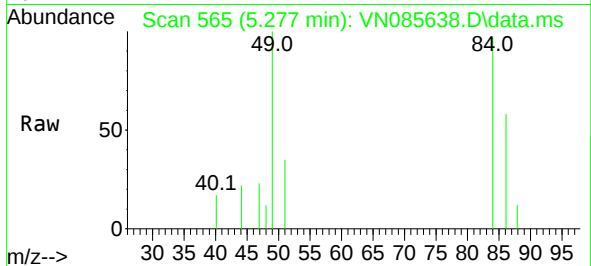
Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
74 11.3 18.6 28.0#



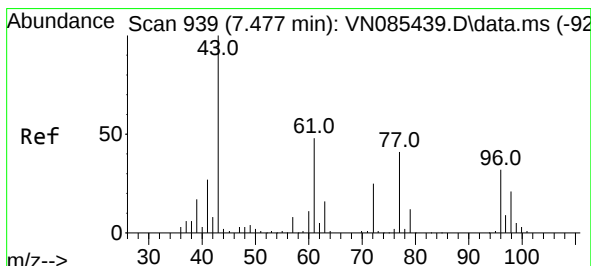
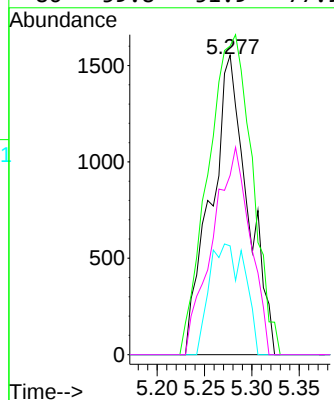


#20
Methylene Chloride
Concen: 1.984 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Instrument :
MSVOA_N
ClientSampleId :

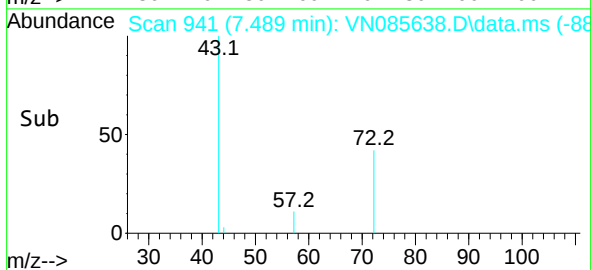
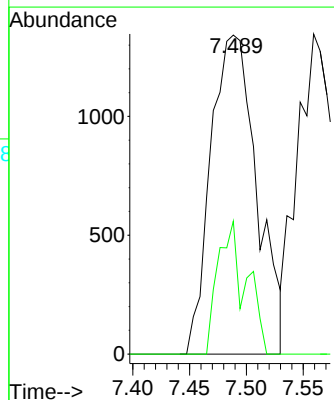
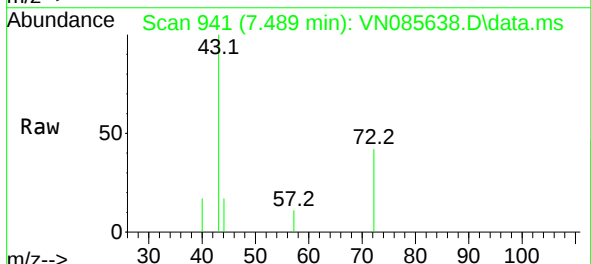


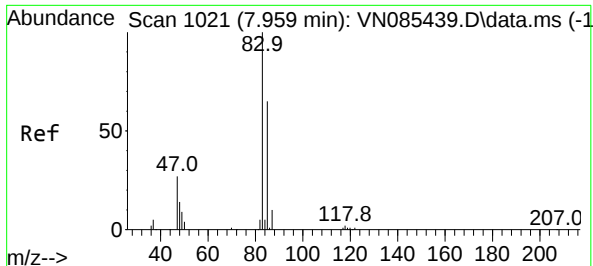
Tgt Ion:	84	Resp:	4200
Ion	Ratio	Lower	Upper
84	100		
49	103.0	104.1	156.1#
51	36.3	31.0	46.4
86	59.8	51.9	77.9



#25
2-Butanone
Concen: 3.014 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Tgt Ion:	43	Resp:	3794
Ion	Ratio	Lower	Upper
43	100		
72	41.7	20.2	30.4#





#30

Chloroform

Concen: 0.380 ug/l

RT: 7.977 min Scan# 1064

Delta R.T. 0.018 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Instrument :

MSVOA_N

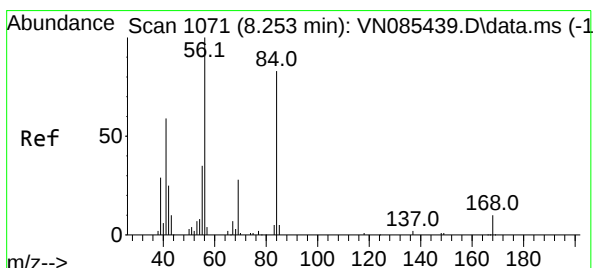
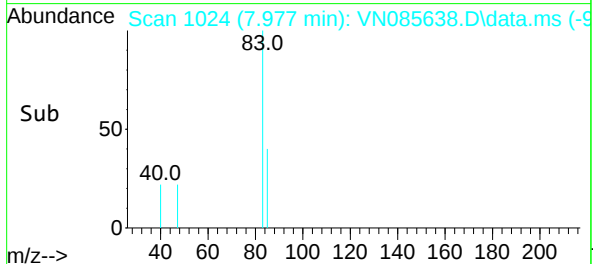
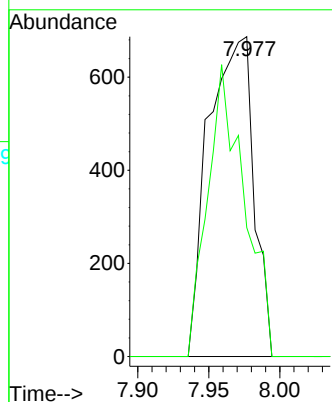
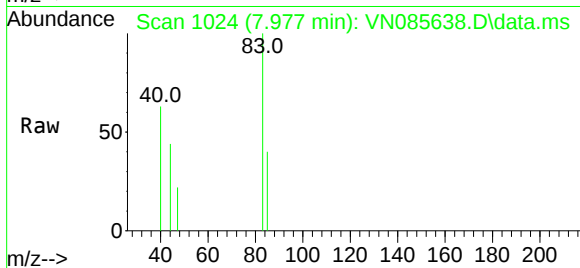
ClientSampleId :

Tgt Ion: 83 Resp: 1518

Ion Ratio Lower Upper

83 100

85 40.3 51.8 77.6#



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

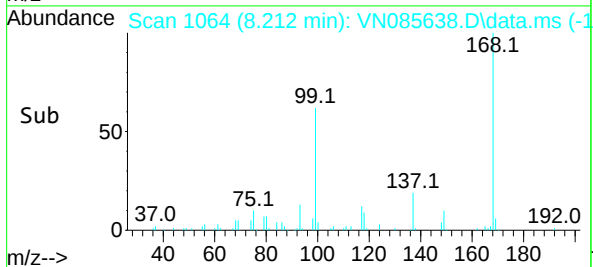
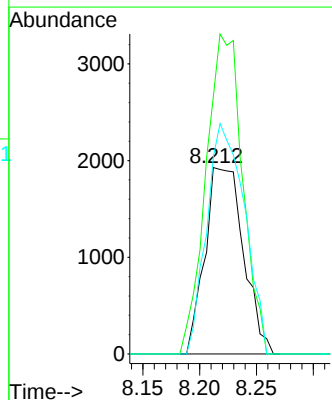
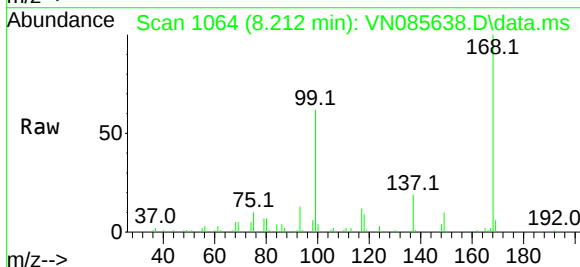
Tgt Ion: 56 Resp: 4557

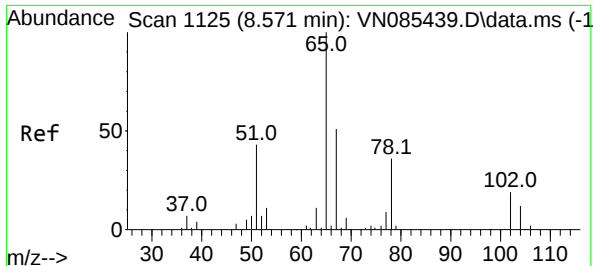
Ion Ratio Lower Upper

56 100

69 137.9 22.2 33.4#

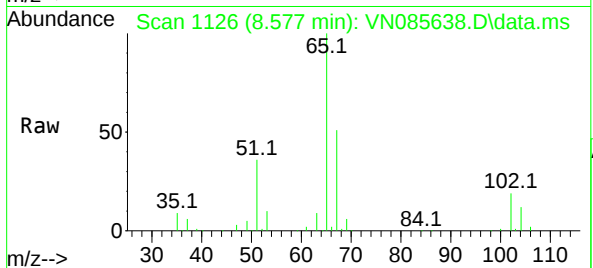
84 105.7 66.4 99.6#



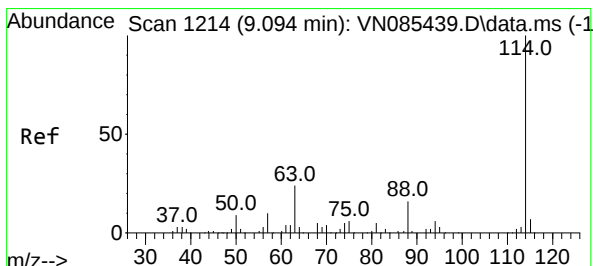
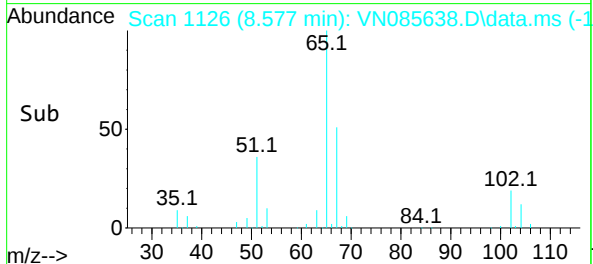
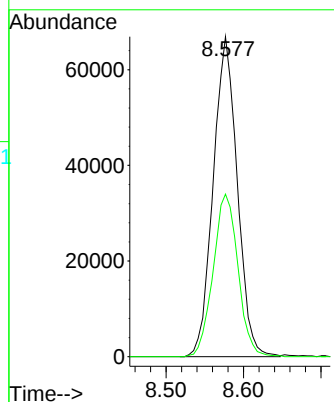


#33
 1,2-Dichloroethane-d4
 Concen: 54.536 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085638.D
 Acq: 03 Feb 2025 21:37

Instrument :
 MSVOA_N
 ClientSampleId :

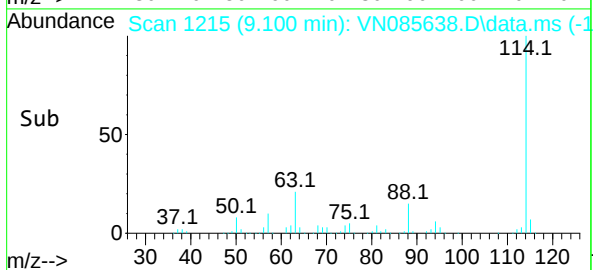
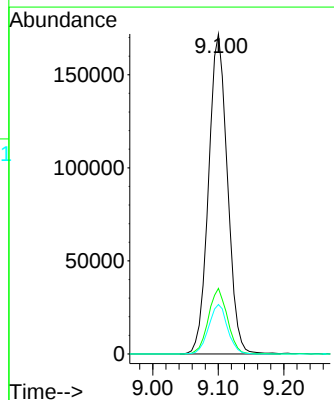
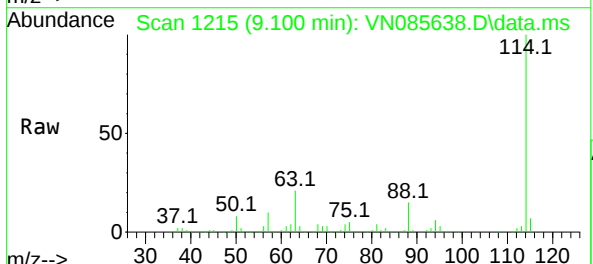


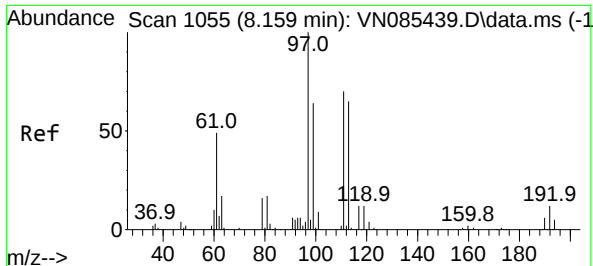
Tgt Ion: 65 Resp: 144365
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085638.D
 Acq: 03 Feb 2025 21:37

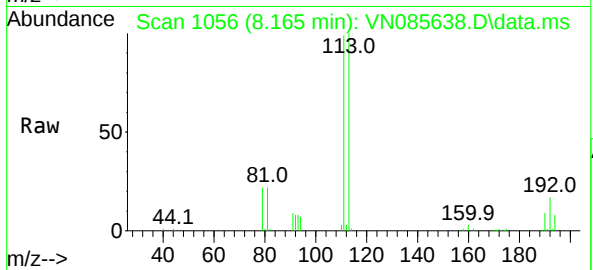
Tgt Ion: 114 Resp: 343832
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 47.6
 88 15.5 0.0 32.6



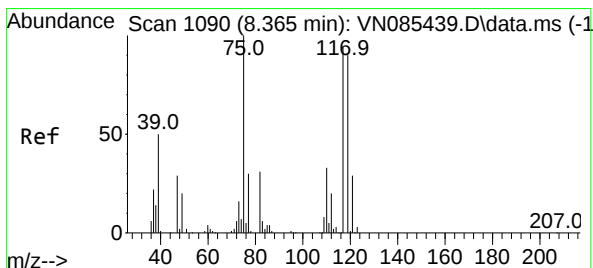
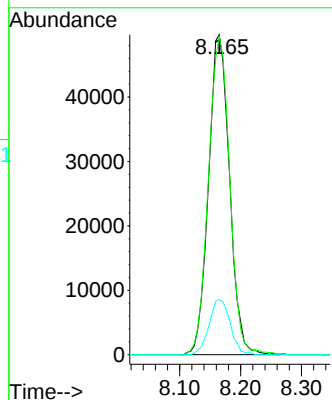
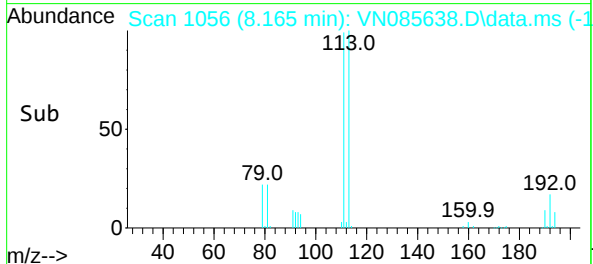


#35
Dibromofluoromethane
Concen: 49.912 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Instrument :
MSVOA_N
ClientSampleId :

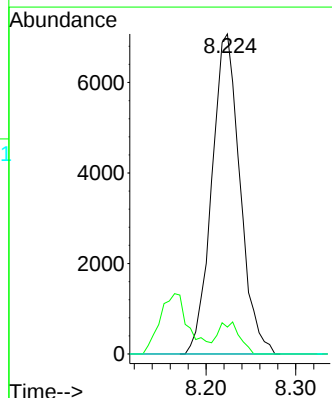
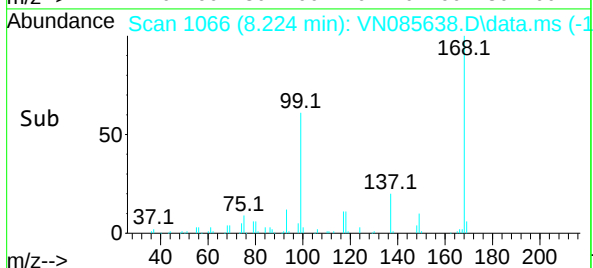
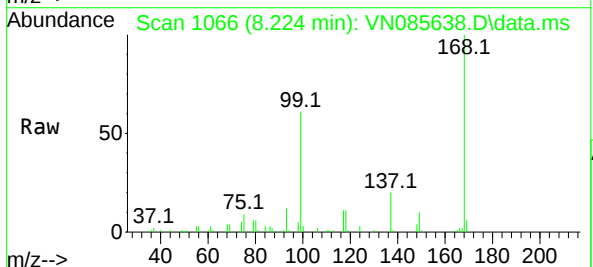


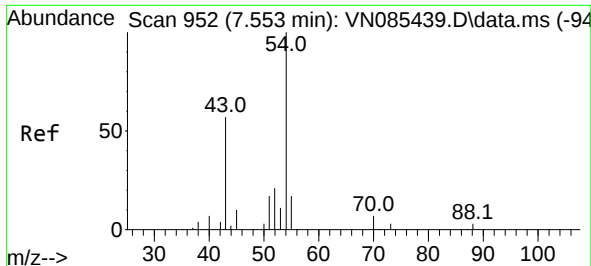
Tgt Ion:113 Resp: 119058
Ion Ratio Lower Upper
113 100
111 101.1 82.7 124.1
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.601 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Tgt Ion: 75 Resp: 15404
Ion Ratio Lower Upper
75 100
110 7.5 16.5 49.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.974 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

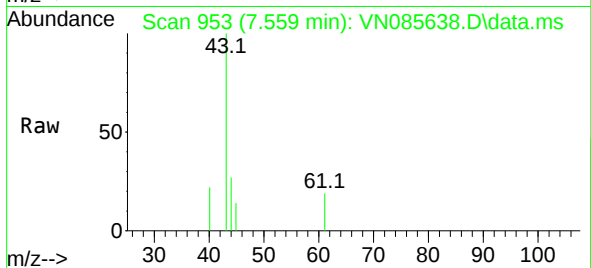
Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

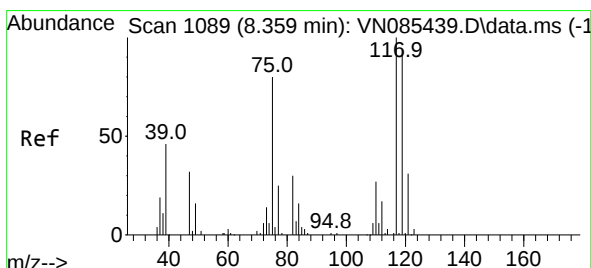
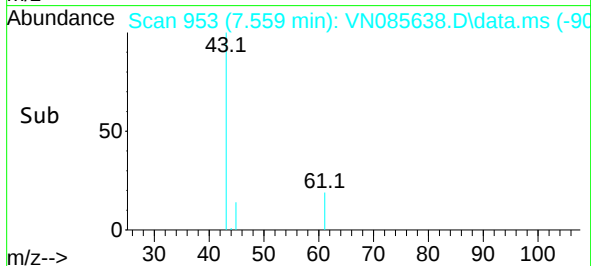
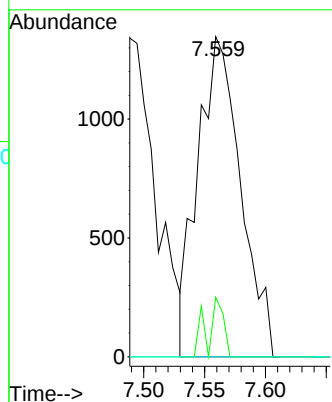
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3290
Ion	Ratio	Lower	Upper
43	100		
61	6.9	10.9	16.3#
70	0.0	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 4.673 ug/l

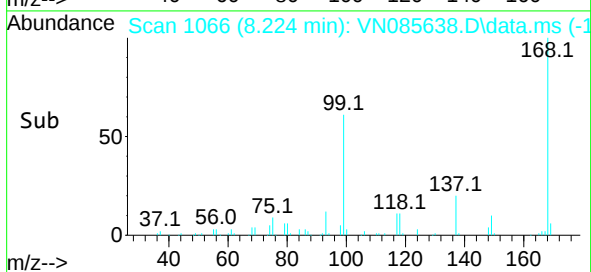
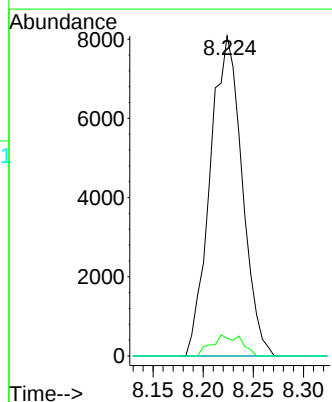
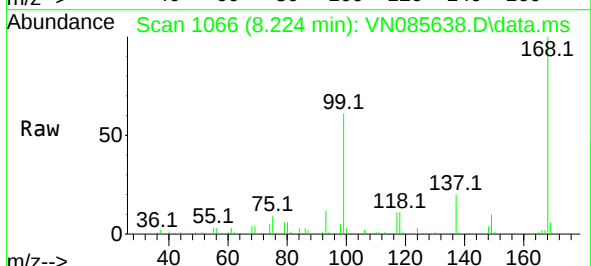
RT: 8.224 min Scan# 1066

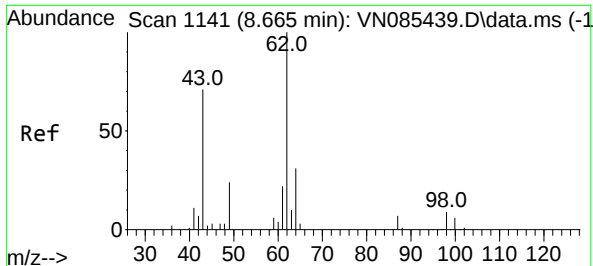
Delta R.T. -0.135 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Tgt Ion:	117	Resp:	17909
Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.4	113.2#
121	0.0	24.6	37.0#





#42

1,2-Dichloroethane

Concen: 0.233 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Instrument :

MSVOA_N

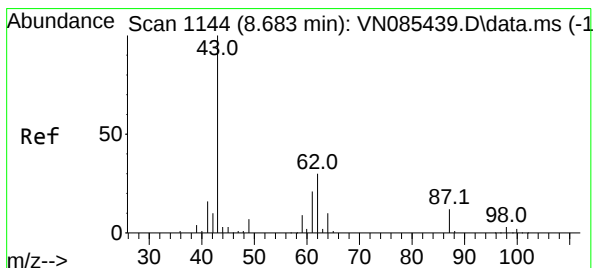
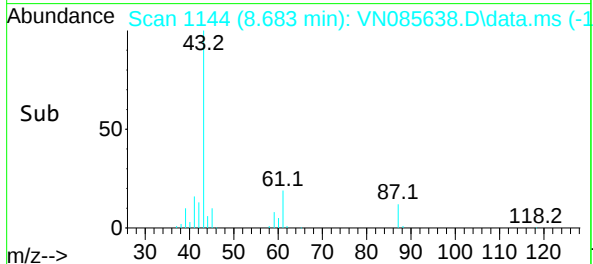
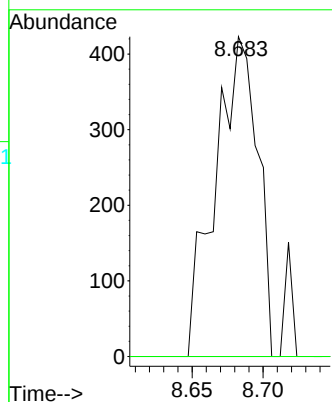
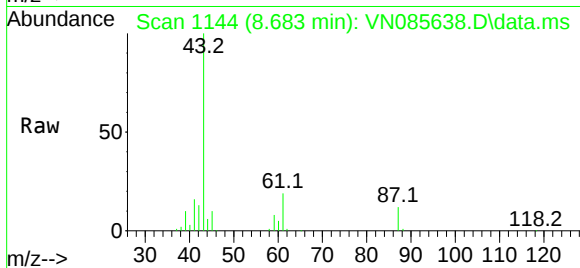
ClientSampleId :

Tgt Ion: 62 Resp: 881

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 24.121 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

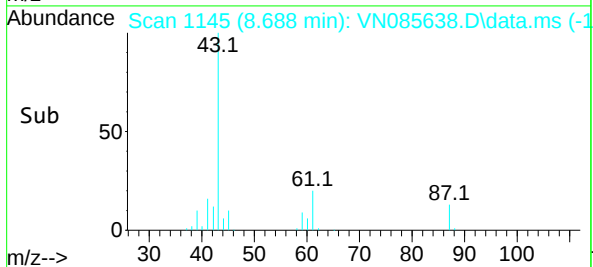
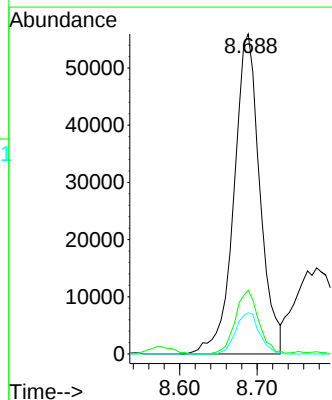
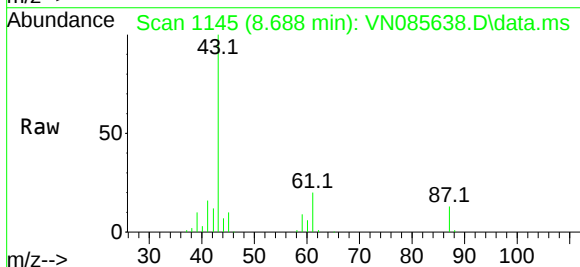
Tgt Ion: 43 Resp: 130603

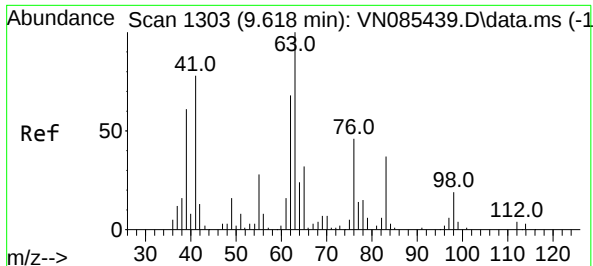
Ion Ratio Lower Upper

43 100

61 18.0 20.7 31.1#

87 11.7 9.8 14.8





#45

1,2-Dichloropropane

Concen: 0.618 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Instrument :

MSVOA_N

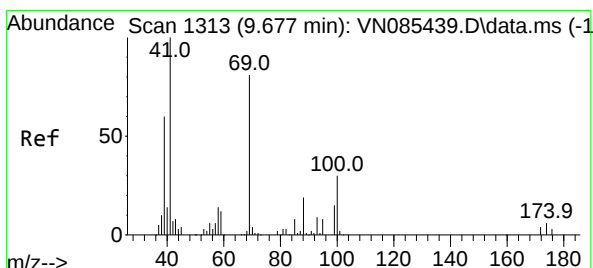
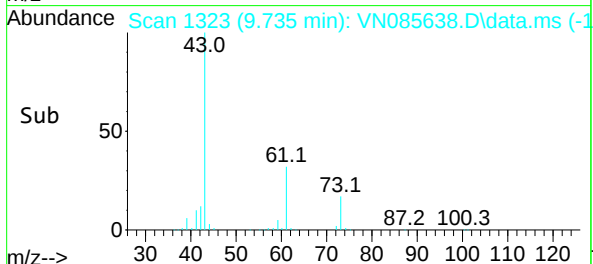
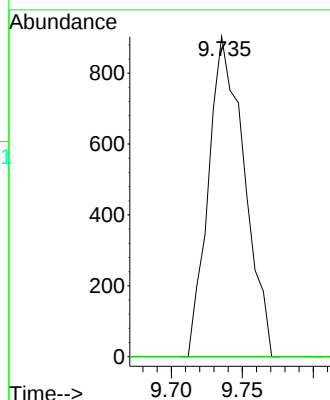
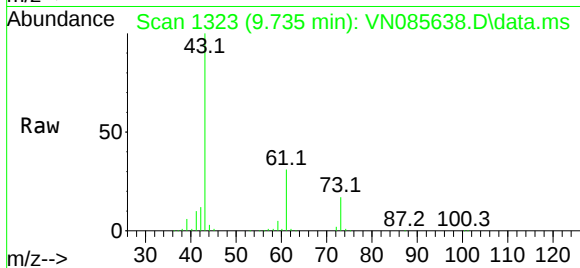
ClientSampleId :

Tgt Ion: 63 Resp: 1587

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 46.847 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

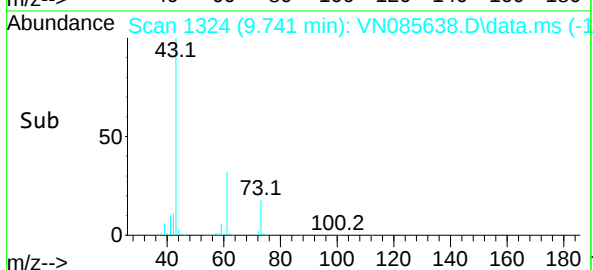
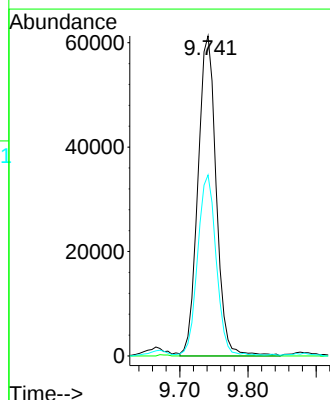
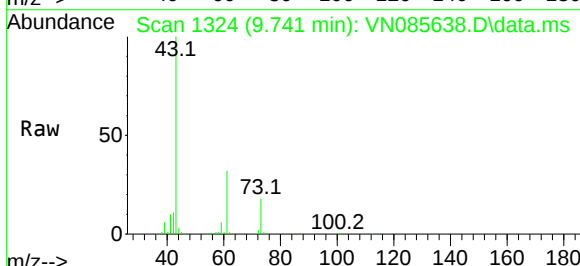
Tgt Ion: 41 Resp: 114149

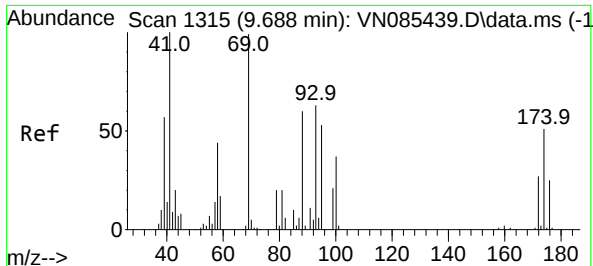
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 57.7 49.0 73.6





#49

1,4-Dioxane

Concen: 1.706 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.059 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Instrument :

MSVOA_N

ClientSampleId :

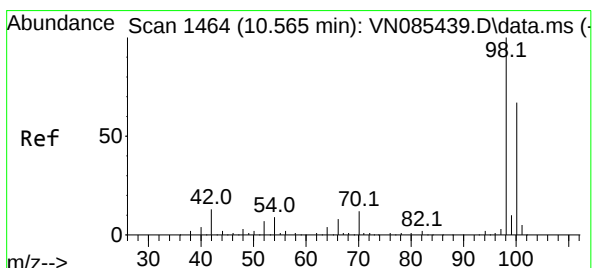
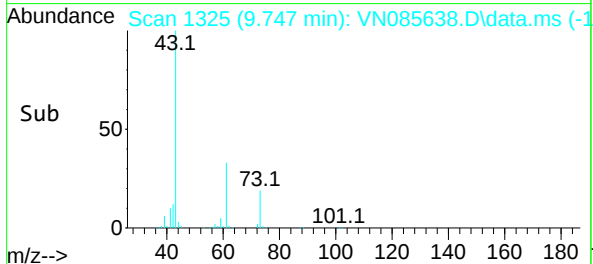
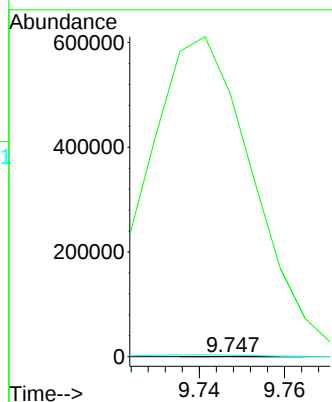
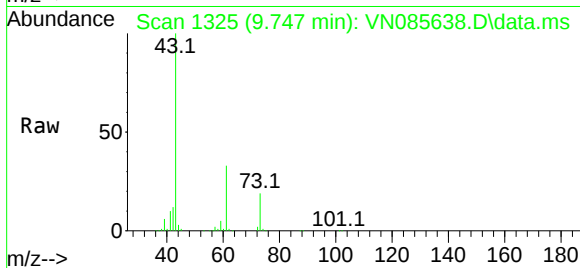
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 1573072.9 26.6 39.8#

58 10347.1 59.5 89.3#



#50

Toluene-d8

Concen: 53.758 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085638.D

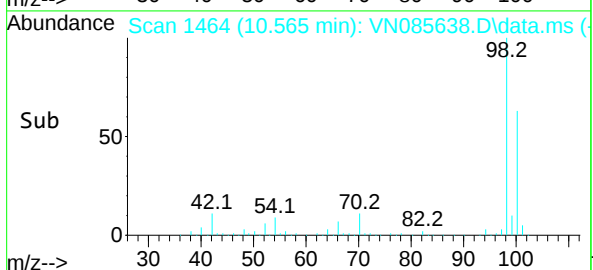
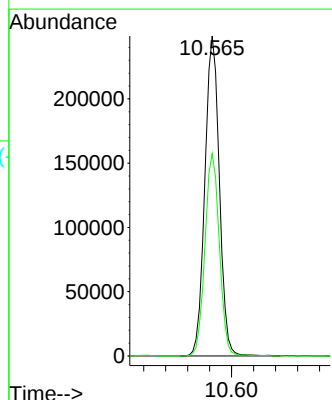
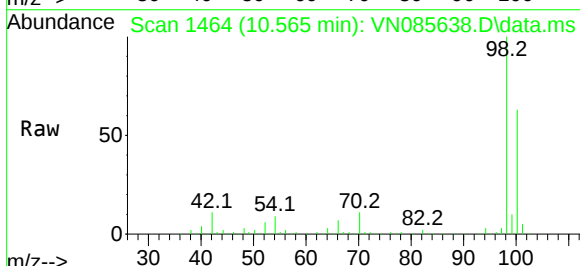
Acq: 03 Feb 2025 21:37

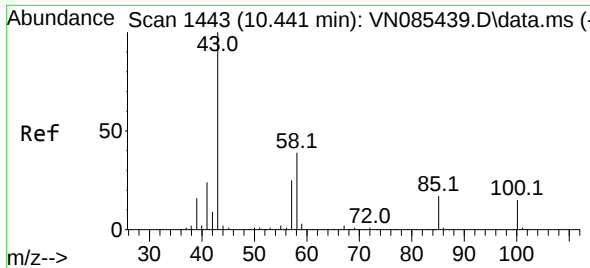
Tgt Ion: 98 Resp: 455608

Ion Ratio Lower Upper

98 100

100 63.0 52.2 78.4

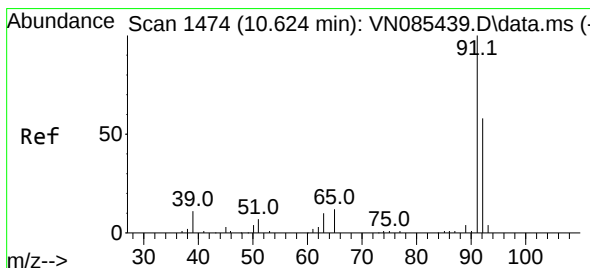
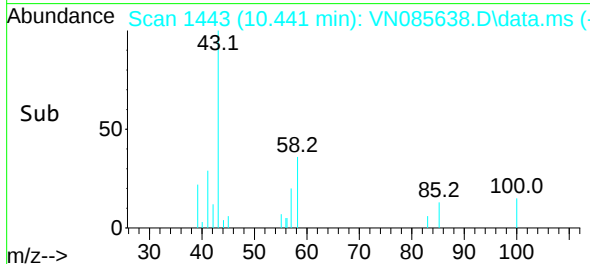
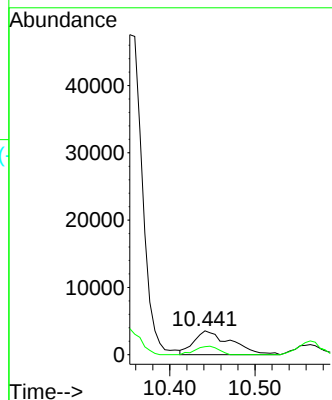
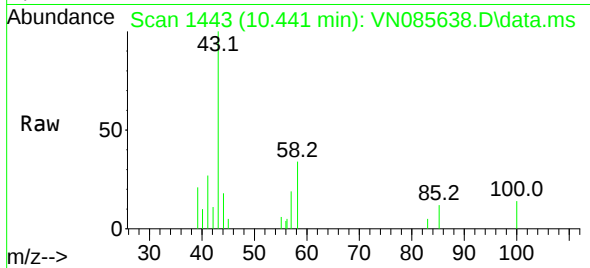




#51
4-Methyl-2-Pentanone
Concen: 3.379 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

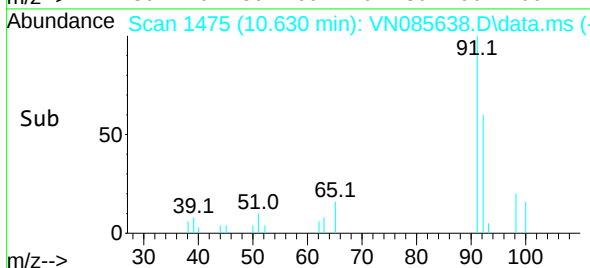
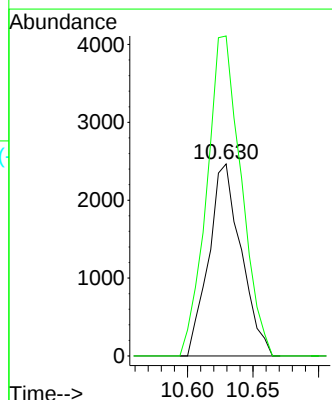
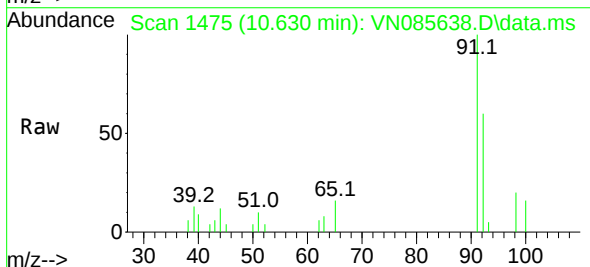
Instrument :
MSVOA_N
ClientSampleId :

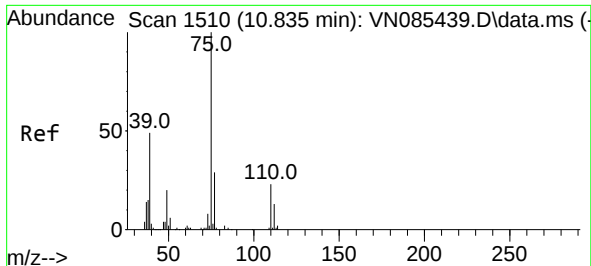
Tgt Ion: 43 Resp: 10618
Ion Ratio Lower Upper
43 100
58 22.3 30.5 45.7#



#52
Toluene
Concen: 0.727 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.005 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

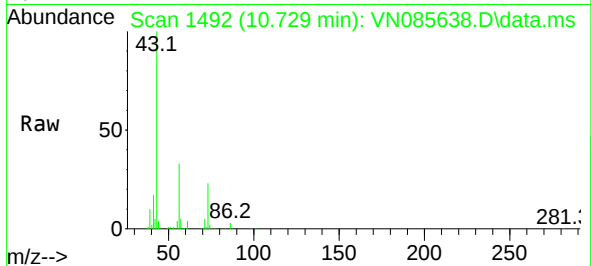
Tgt Ion: 92 Resp: 4238
Ion Ratio Lower Upper
92 100
91 177.4 139.2 208.8



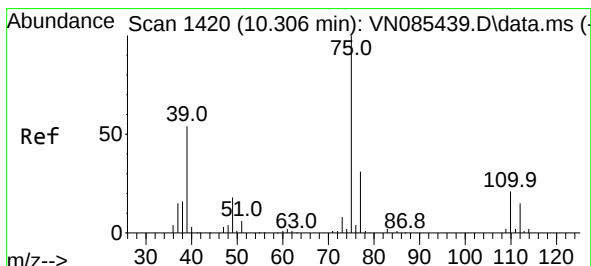
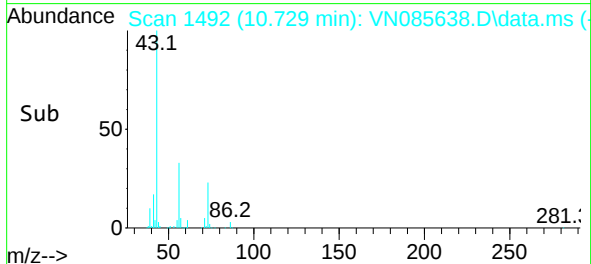
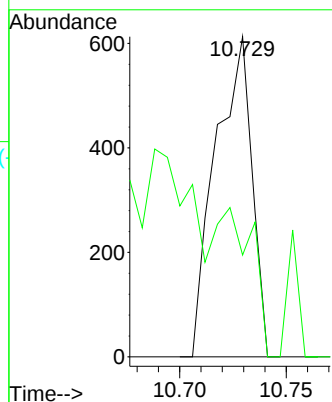


#53
t-1,3-Dichloropropene
Concen: 0.204 ug/l
RT: 10.729 min Scan# 1419
Delta R.T. -0.106 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Instrument :
MSVOA_N
ClientSampleId :

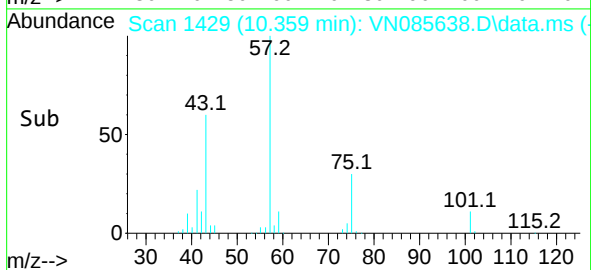
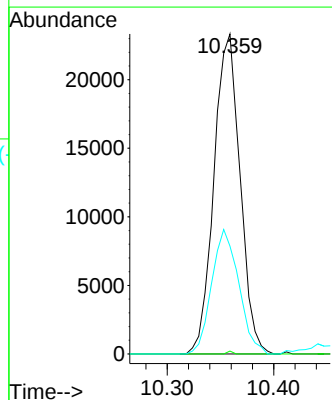
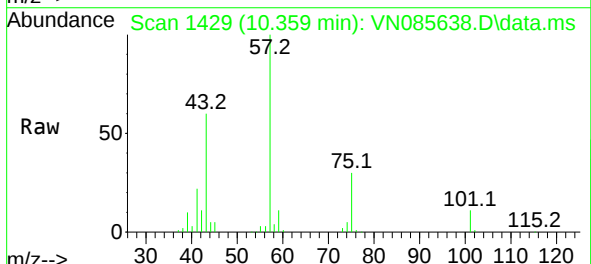


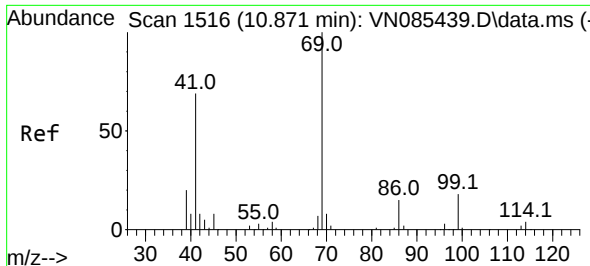
Tgt Ion: 75 Resp: 727
Ion Ratio Lower Upper
75 100
77 31.8 23.5 35.3



#54
cis-1,3-Dichloropropene
Concen: 10.414 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Tgt Ion: 75 Resp: 39705
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 33.7 43.1 64.7#

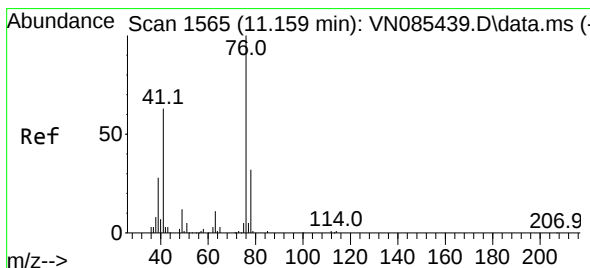
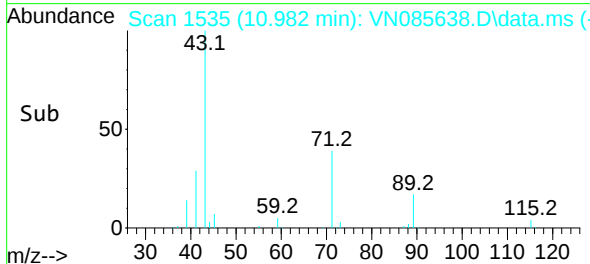
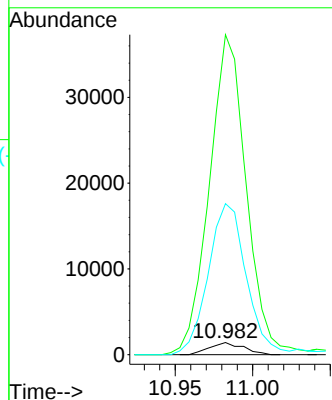
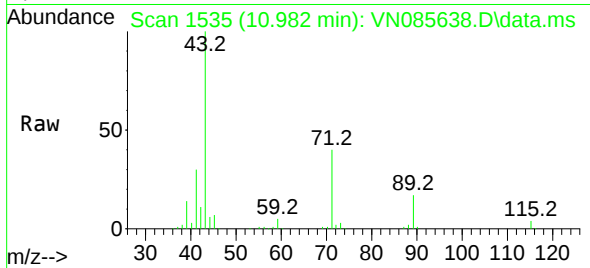




#56
Ethyl methacrylate
Concen: 2.465 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

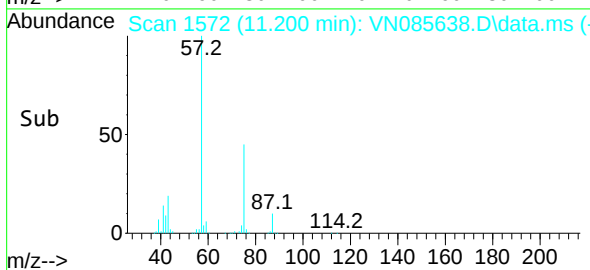
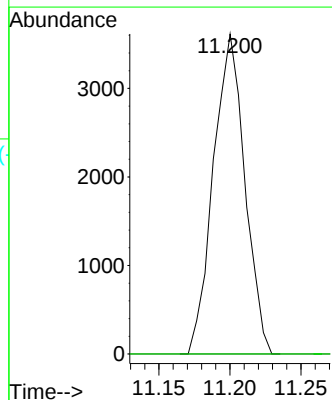
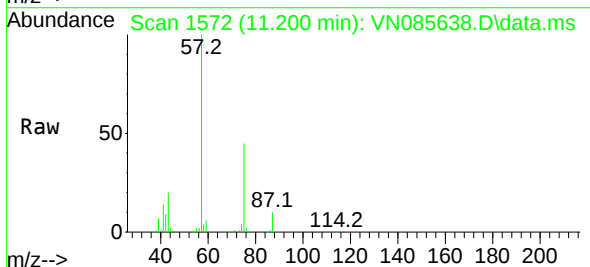
Instrument :
MSVOA_N
ClientSampleId :

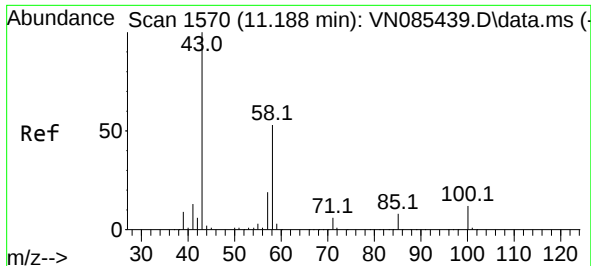
Tgt Ion: 69 Resp: 2156
Ion Ratio Lower Upper
69 100
41 2869.2 54.6 82.0#
39 1390.7 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 1.390 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Tgt Ion: 76 Resp: 5574
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

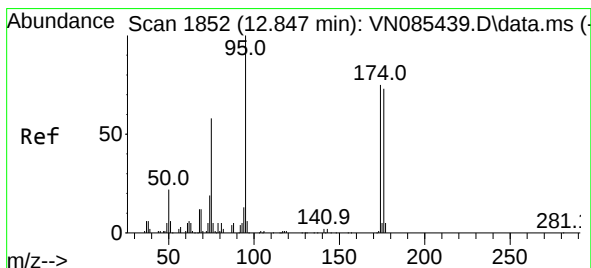
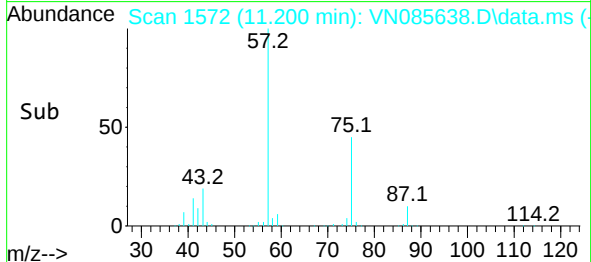
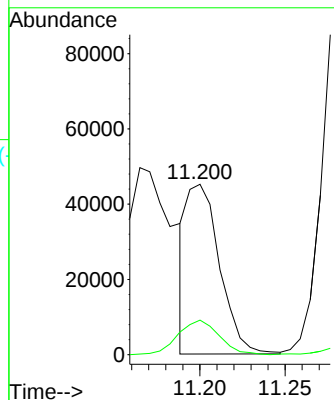
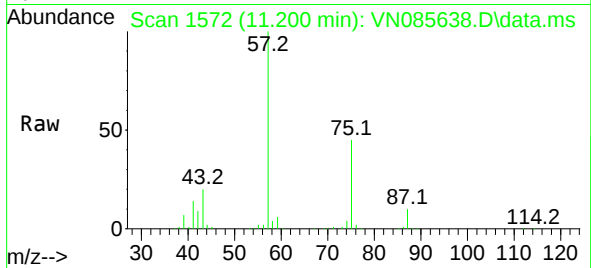




#59
2-Hexanone
Concen: 27.312 ug/l
RT: 11.200 min Scan# 1570
Delta R.T. 0.012 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

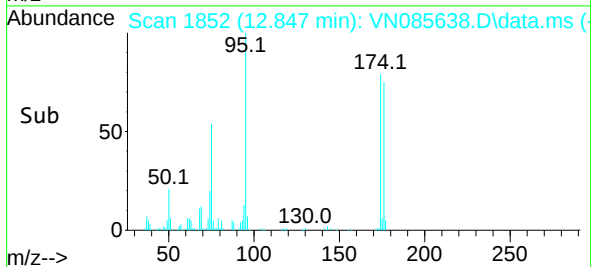
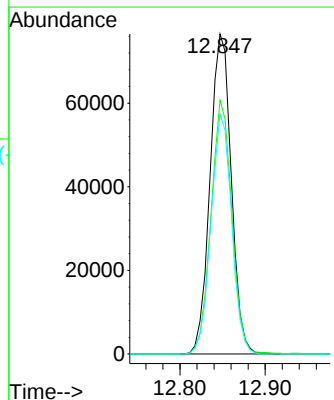
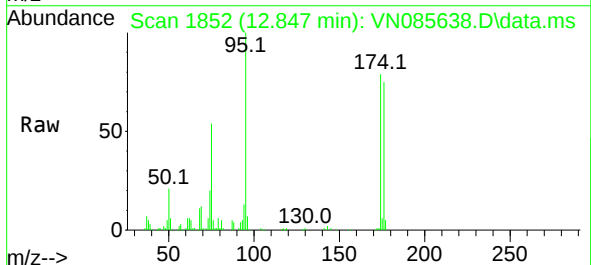
Instrument :
MSVOA_N
ClientSampleId :

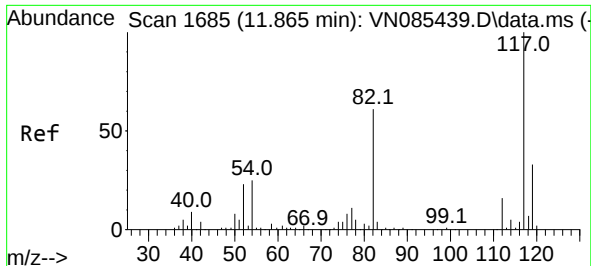
Tgt Ion: 43 Resp: 60380
Ion Ratio Lower Upper
43 100
58 25.6 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.565 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

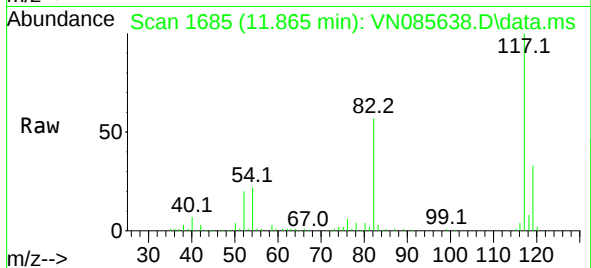
Tgt Ion: 95 Resp: 132098
Ion Ratio Lower Upper
95 100
174 78.2 0.0 145.0
176 73.1 0.0 142.4



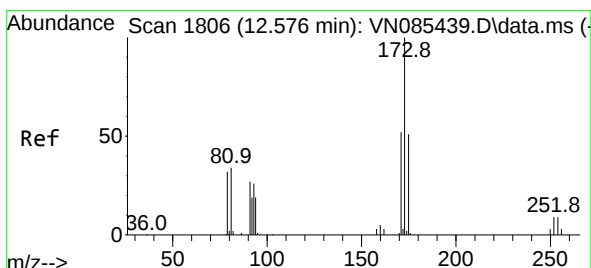
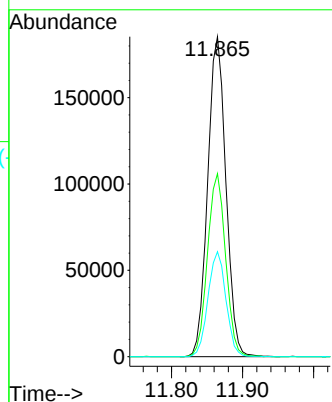
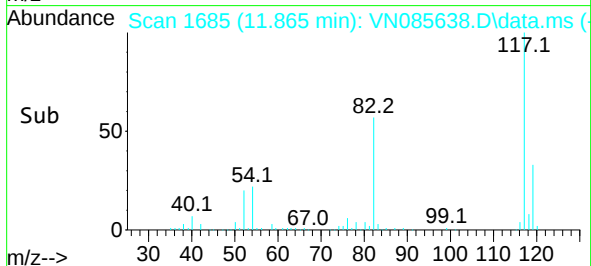


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

Instrument :
MSVOA_N
ClientSampleId :

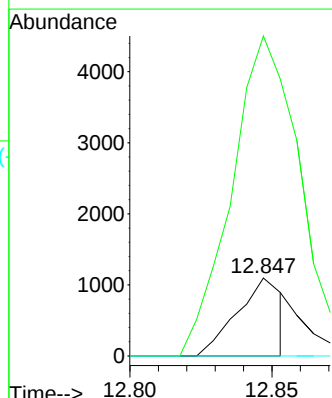
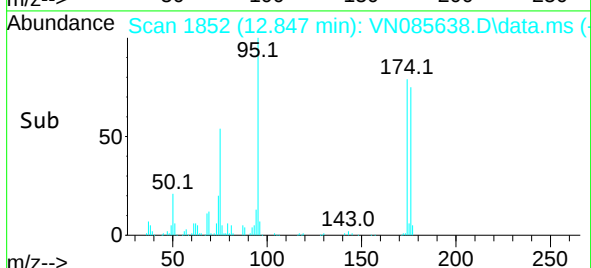
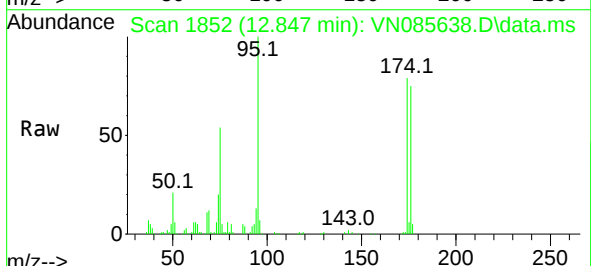


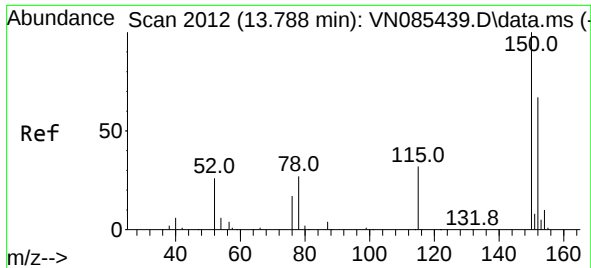
Tgt Ion:117 Resp: 330622
Ion Ratio Lower Upper
117 100
82 57.2 48.6 72.8
119 32.8 26.6 39.8



#71
Bromoform
Concen: 0.641 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN085638.D
Acq: 03 Feb 2025 21:37

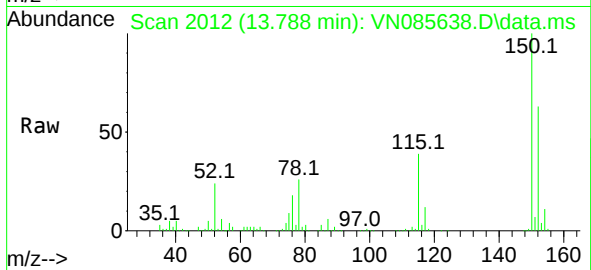
Tgt Ion:173 Resp: 1219
Ion Ratio Lower Upper
173 100
175 465.0 24.4 73.2#
254 0.0 0.0 0.0



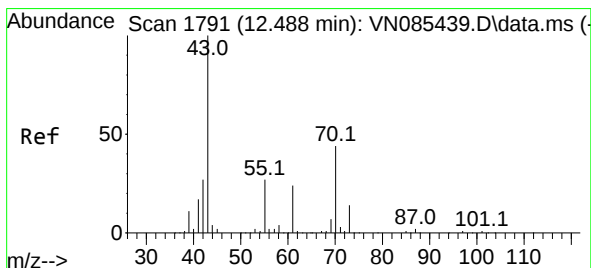
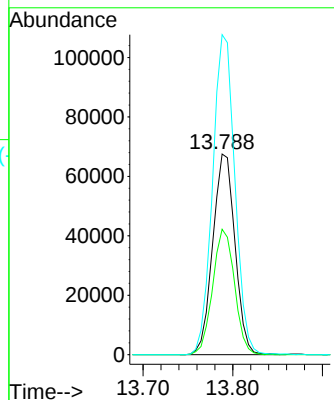
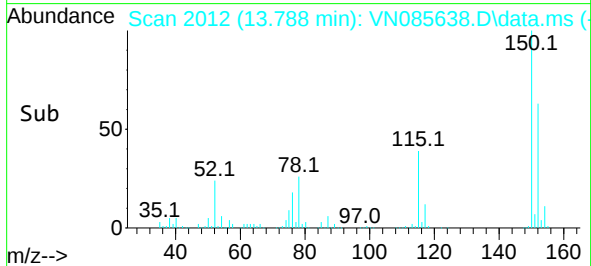


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085638.D
 Acq: 03 Feb 2025 21:37

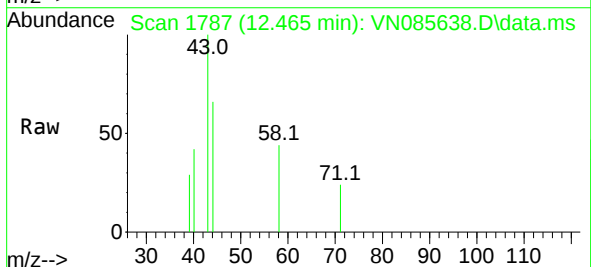
Instrument :
 MSVOA_N
 ClientSampleId :



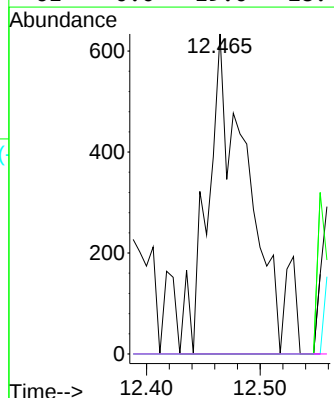
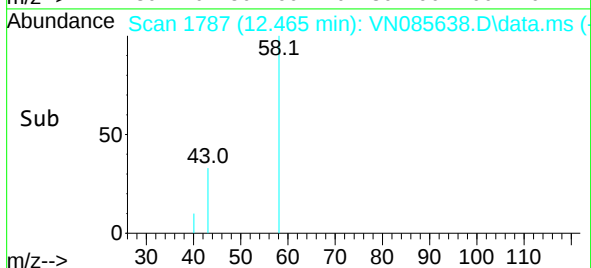
Tgt Ion:152 Resp: 116237
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.1 93.3
 150 160.0 0.0 343.6

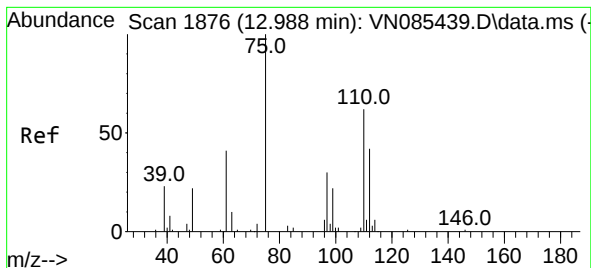


#74
 N-ethyl acetate
 Concen: 0.429 ug/l
 RT: 12.465 min Scan# 1787
 Delta R.T. -0.024 min
 Lab File: VN085638.D
 Acq: 03 Feb 2025 21:37



Tgt Ion: 43 Resp: 1514
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.0 51.0#
 55 0.0 21.4 32.2#
 61 0.0 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 30.376 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Instrument :

MSVOA_N

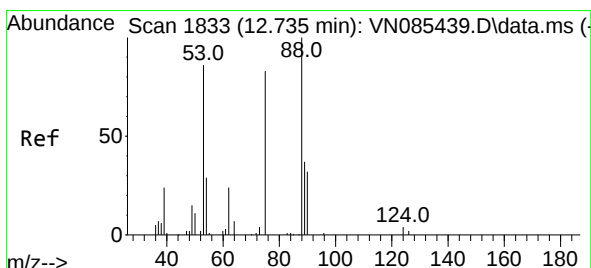
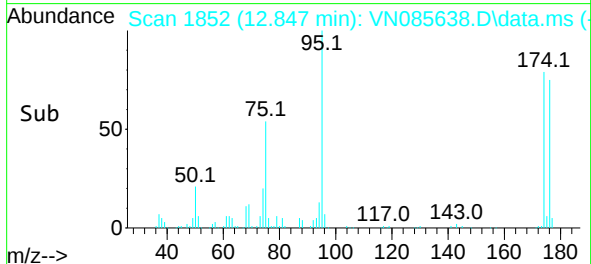
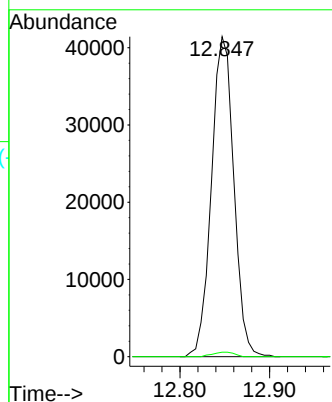
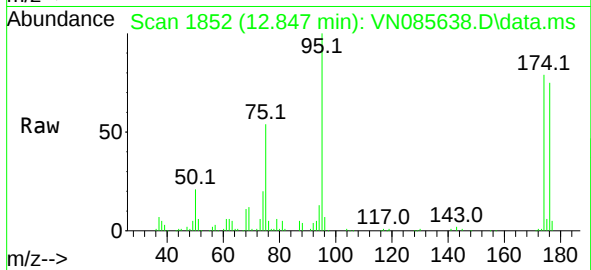
ClientSampleId :

Tgt Ion: 75 Resp: 71764

Ion Ratio Lower Upper

75 100

77 1.4 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.184 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085638.D

Acq: 03 Feb 2025 21:37

Tgt Ion: 75 Resp: 71764

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 37.0 55.6#

