

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085636.D
 Acq On : 03 Feb 2025 20:49
 Operator : JC\MD
 Sample : Q1241-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

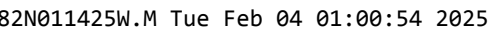
Quant Time: Feb 04 01:00:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

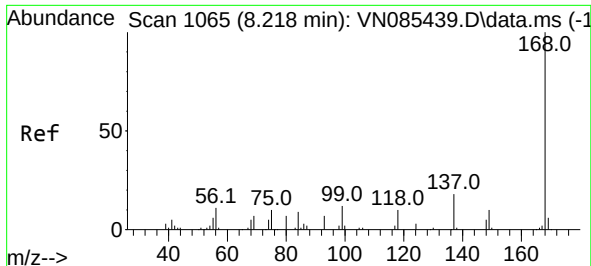
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	164691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142506	53.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.200%			
35) Dibromofluoromethane	8.165	113	120416	50.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.240%			
50) Toluene-d8	10.565	98	452786	53.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.080%			
62) 4-Bromofluorobenzene	12.847	95	132300	45.306	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.620%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	29731	34.612	ug/l	98
18) Methyl Acetate	5.018	43	3407	1.304	ug/l #	78
20) Methylene Chloride	5.271	84	5377	2.529	ug/l	94
25) 2-Butanone	7.489	43	2469	1.953	ug/l	93
30) Chloroform	7.971	83	1412	0.352	ug/l	95
31) Cyclohexane	8.218	56	4562	1.352	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15268	4.528	ug/l #	48
37) Ethyl Acetate	7.565	43	2264	0.665	ug/l #	70
38) Carbon Tetrachloride	8.218	117	18222	4.720	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	833	0.218	ug/l #	76
43) Isopropyl Acetate	8.688	43	113601	20.830	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	998	0.386	ug/l #	43
48) Methyl methacrylate	9.665	41	3462	1.411	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	3947	1.247	ug/l #	85
54) cis-1,3-Dichloropropene	10.353	75	37176	9.680	ug/l #	68
56) Ethyl methacrylate	10.982	69	1904	2.399	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3650	0.904	ug/l #	43
59) 2-Hexanone	11.171	43	94268	42.333	ug/l #	26
71) Bromoform	12.841	173	1050	0.558	ug/l #	1
74) N-amyl acetate	12.482	43	724	0.205	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68908	29.174	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68908	78.933	ug/l #	3
95) Naphthalene	15.653	128	1072	0.205	ug/l #	69

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

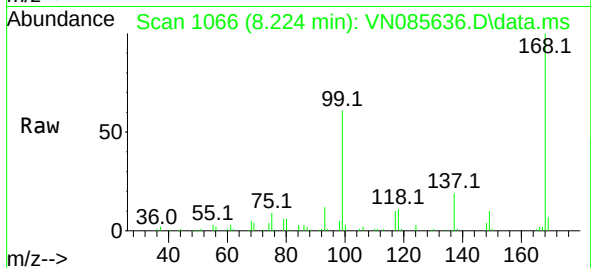
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



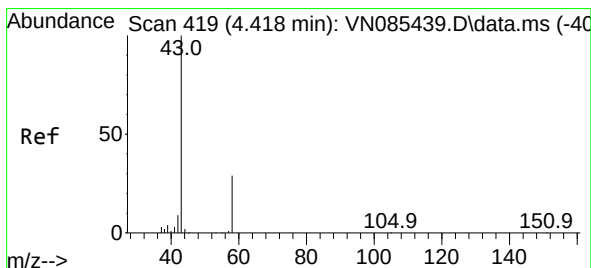
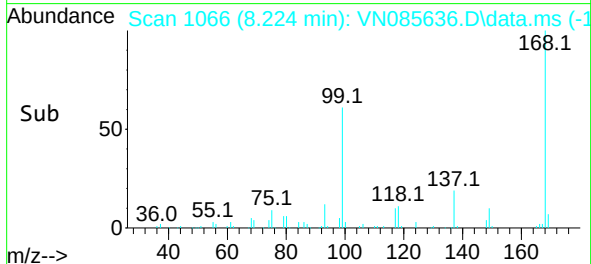
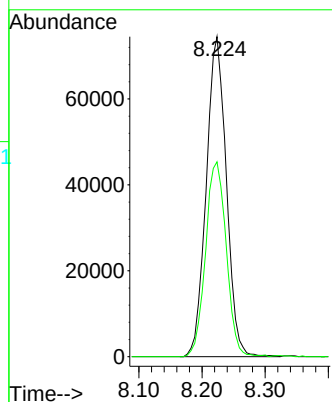


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Instrument :
MSVOA_N
ClientSampleId :

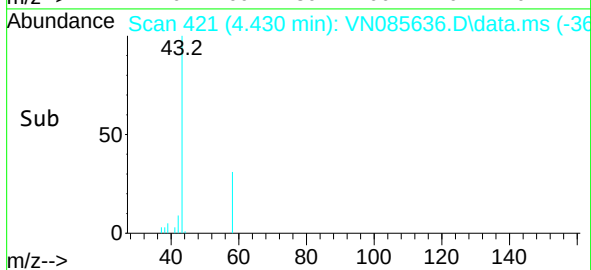
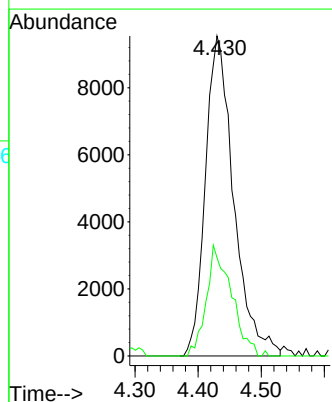
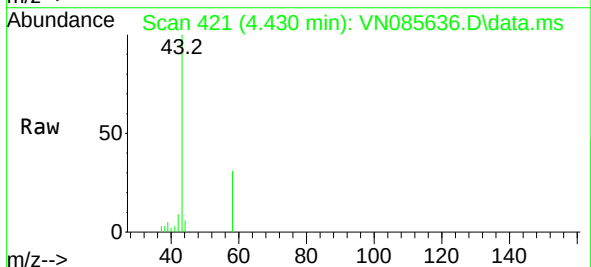


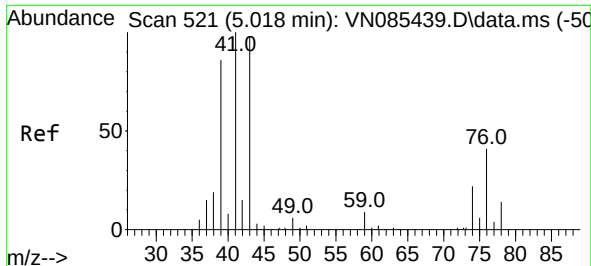
Tgt Ion:168 Resp: 164691
Ion Ratio Lower Upper
168 100
99 60.9 53.6 80.4



#16
Acetone
Concen: 34.612 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 43 Resp: 29731
Ion Ratio Lower Upper
43 100
58 30.7 23.8 35.6

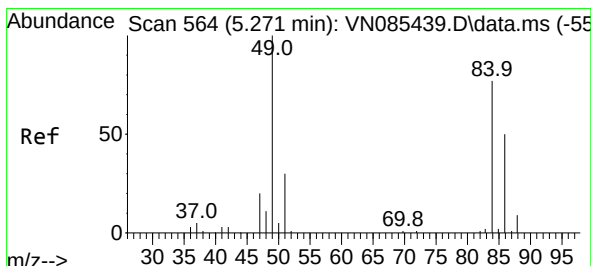
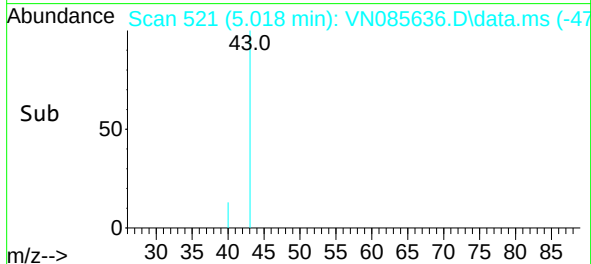
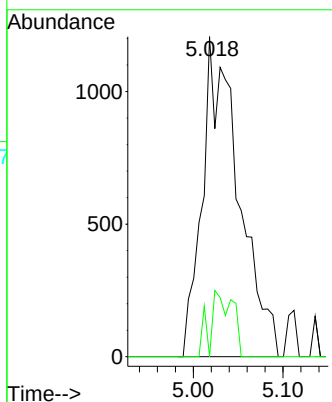
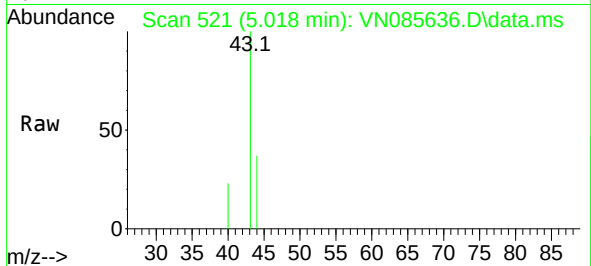




#18
Methyl Acetate
Concen: 1.304 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

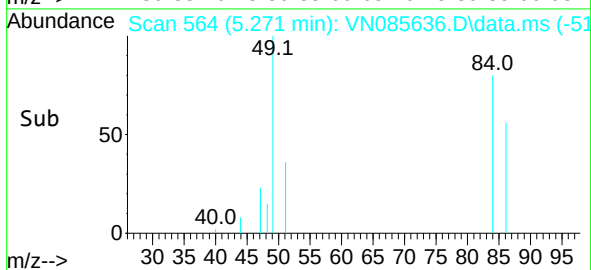
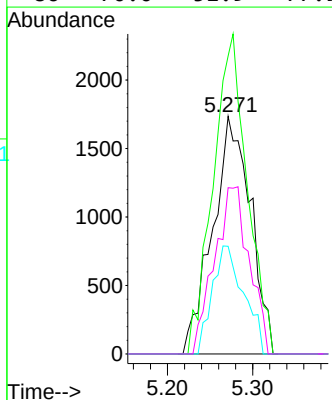
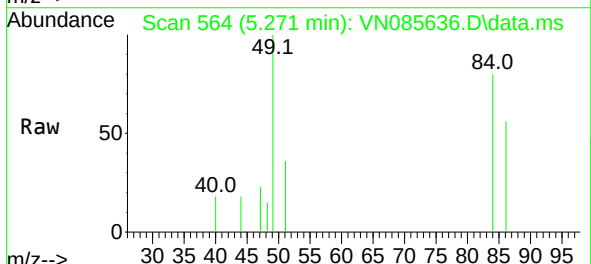
Instrument :
MSVOA_N
ClientSampleId :

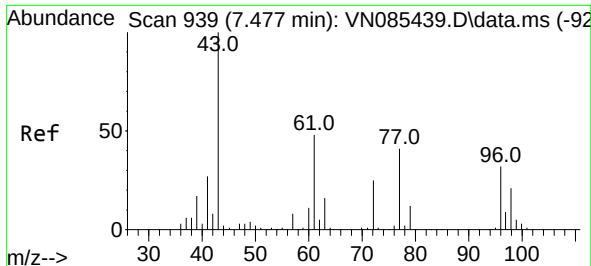
Tgt Ion: 43 Resp: 3407
Ion Ratio Lower Upper
43 100
74 12.8 18.6 28.0#



#20
Methylene Chloride
Concen: 2.529 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 84 Resp: 5377
Ion Ratio Lower Upper
84 100
49 125.4 104.1 156.1
51 45.4 31.0 46.4
86 70.0 51.9 77.9

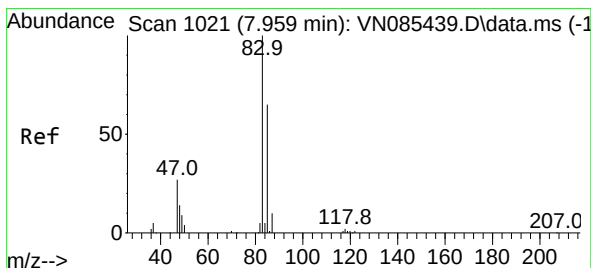
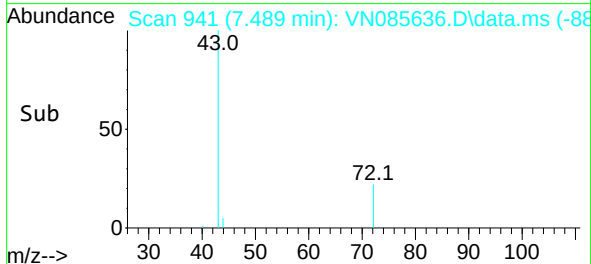
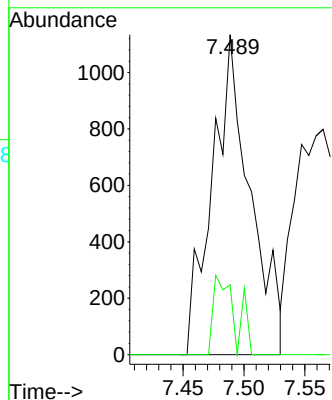
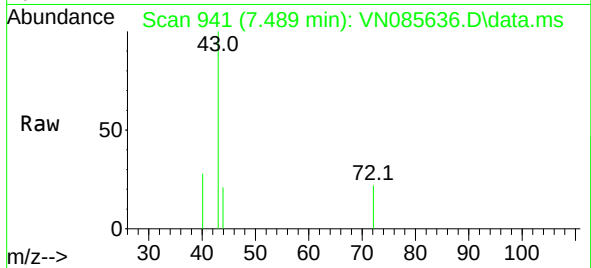




#25
2-Butanone
Concen: 1.953 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

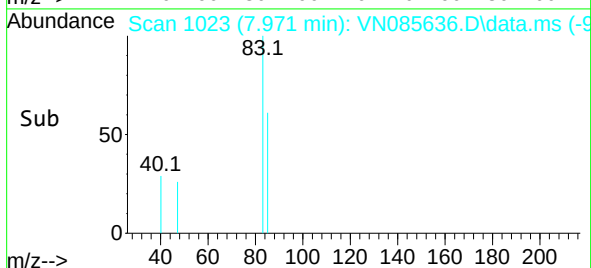
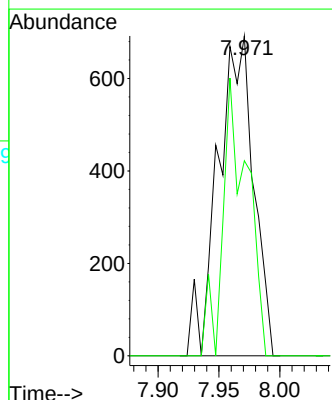
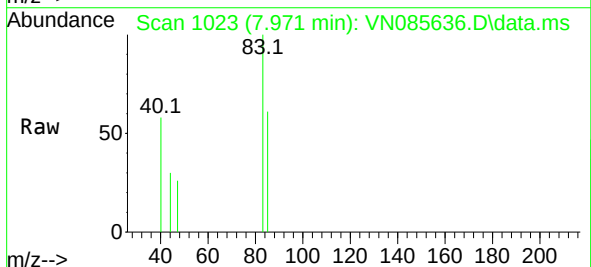
Instrument :
MSVOA_N
ClientSampleId :

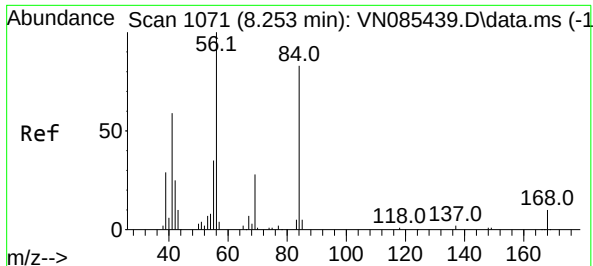
Tgt Ion: 43 Resp: 2469
Ion Ratio Lower Upper
43 100
72 21.9 20.2 30.4



#30
Chloroform
Concen: 0.352 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

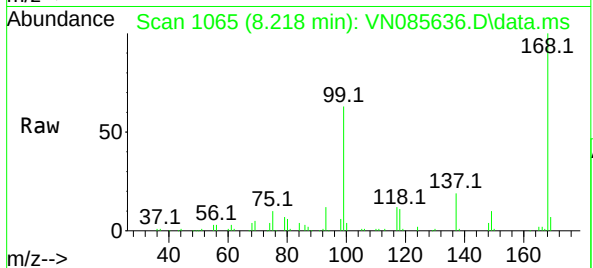
Tgt Ion: 83 Resp: 1412
Ion Ratio Lower Upper
83 100
85 61.0 51.8 77.6



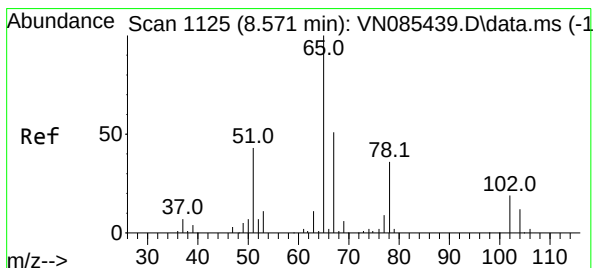
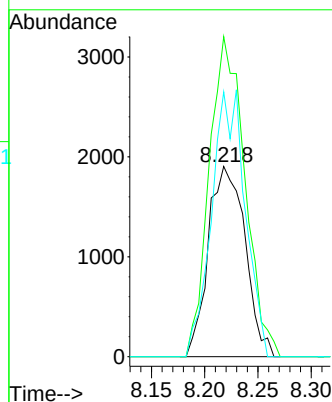
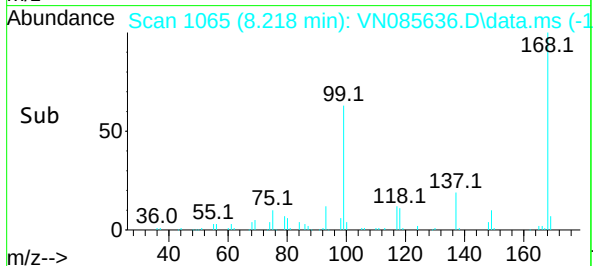


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

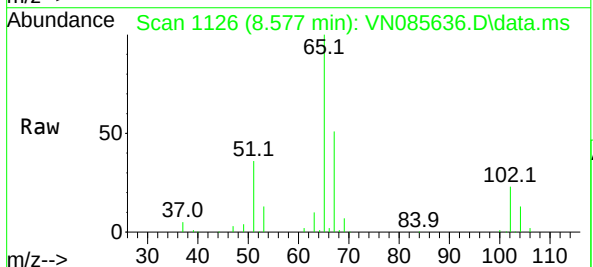
Instrument :
MSVOA_N
ClientSampleId :



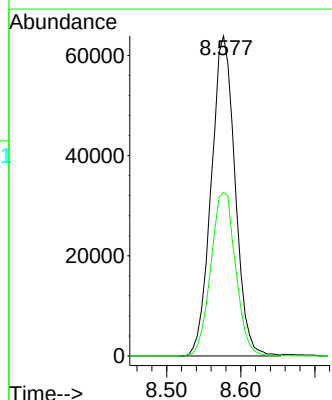
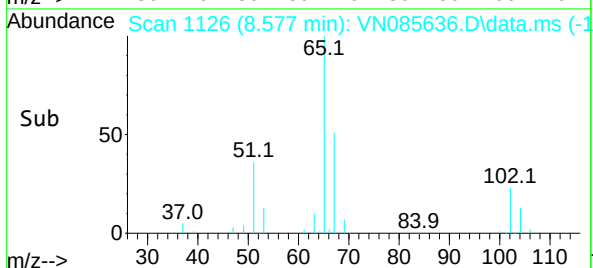
Tgt Ion: 56 Resp: 4562
Ion Ratio Lower Upper
56 100
69 168.2 22.2 33.4#
84 139.2 66.4 99.6#

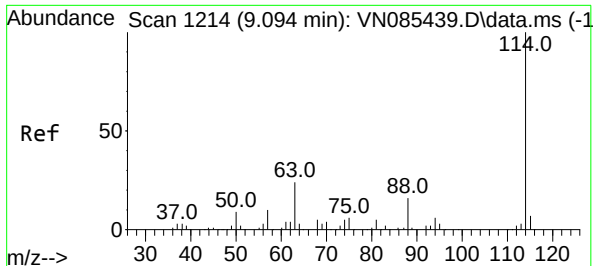


#33
1,2-Dichloroethane-d4
Concen: 53.605 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49



Tgt Ion: 65 Resp: 142506
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

Instrument :

MSVOA_N

ClientSampleId :

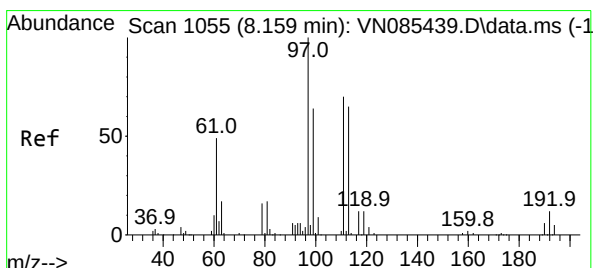
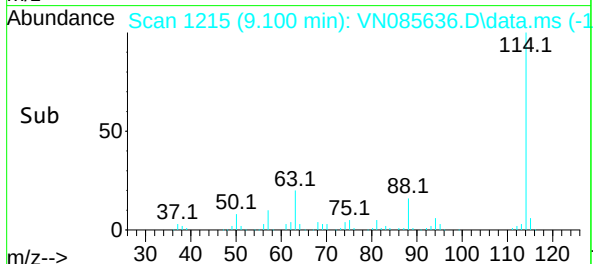
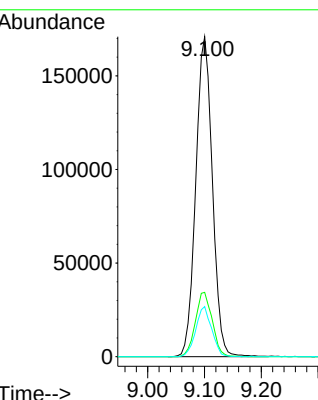
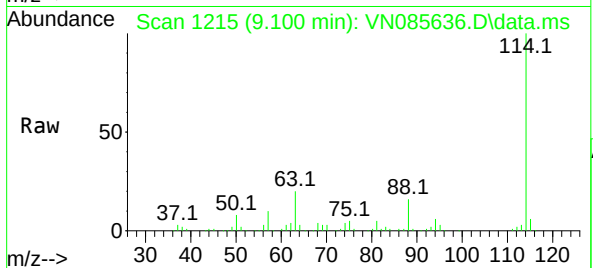
Tgt Ion:114 Resp: 346323

Ion Ratio Lower Upper

114 100

63 20.1 0.0 47.6

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.118 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

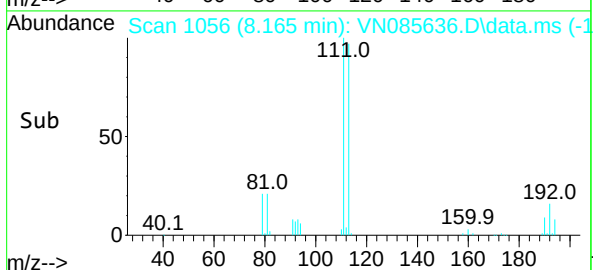
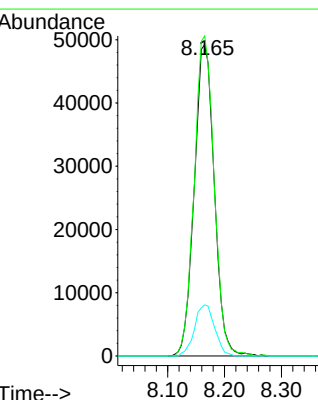
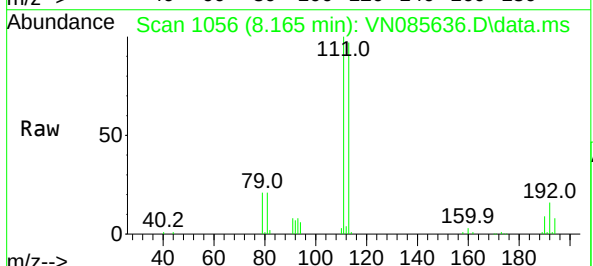
Tgt Ion:113 Resp: 120416

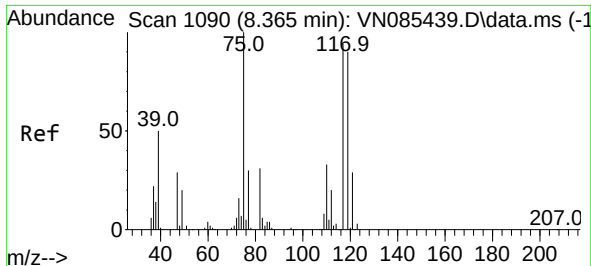
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 16.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.528 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

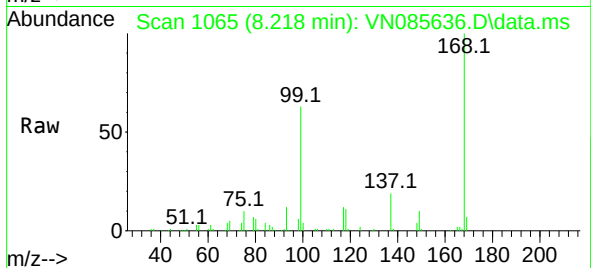
Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

Instrument :

MSVOA_N

ClientSampleId :



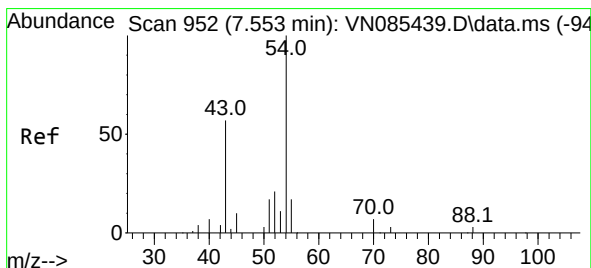
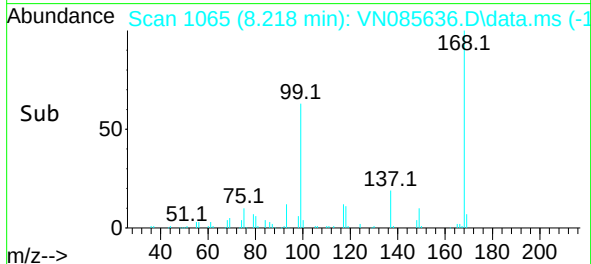
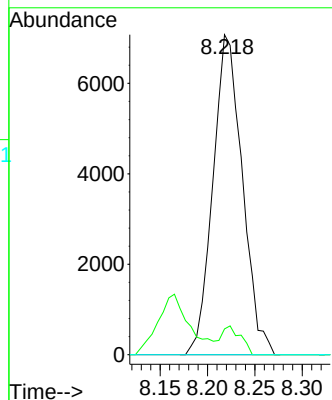
Tgt Ion: 75 Resp: 15268

Ion Ratio Lower Upper

75 100

110 6.1 16.5 49.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.665 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

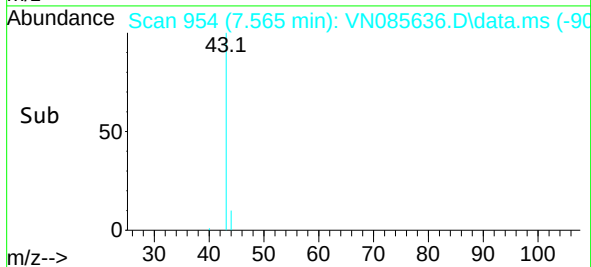
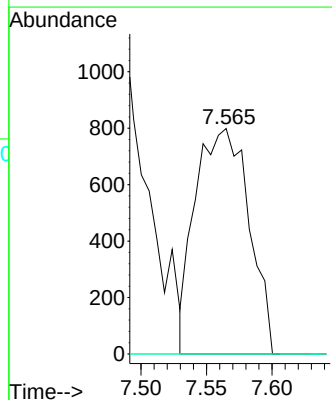
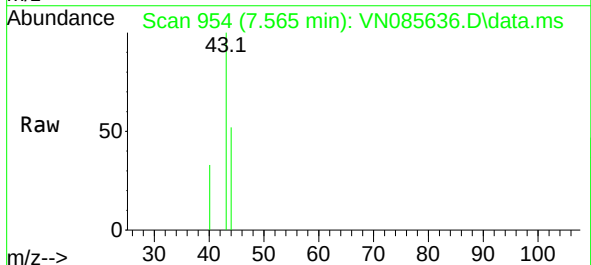
Tgt Ion: 43 Resp: 2264

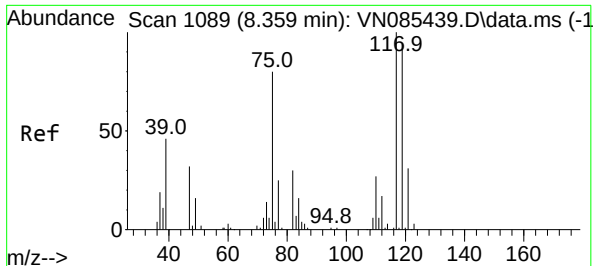
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

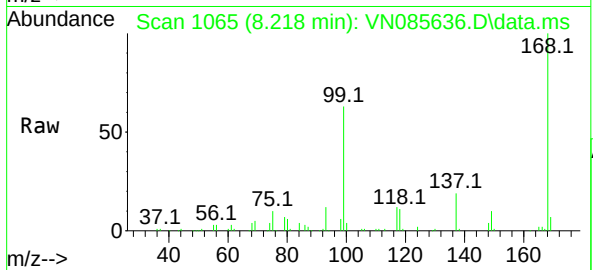
70 0.0 7.5 11.3#



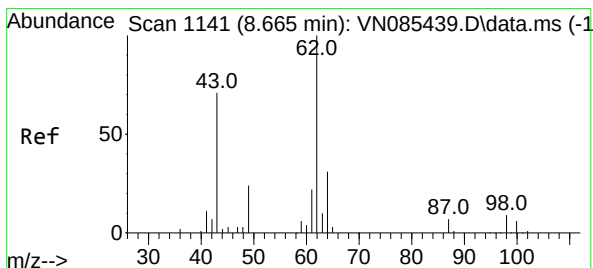
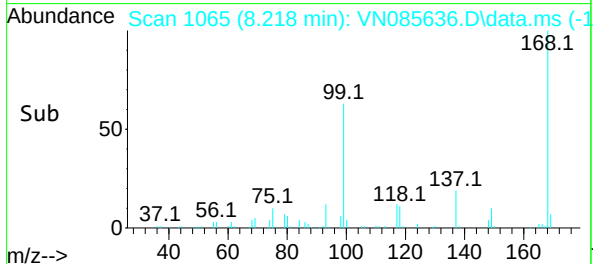
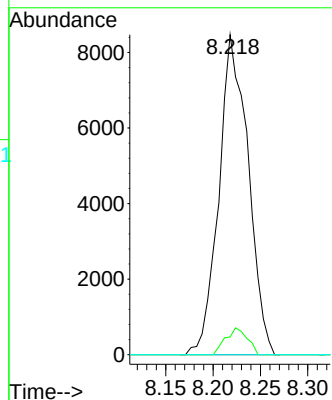


#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Instrument :
MSVOA_N
ClientSampleId :

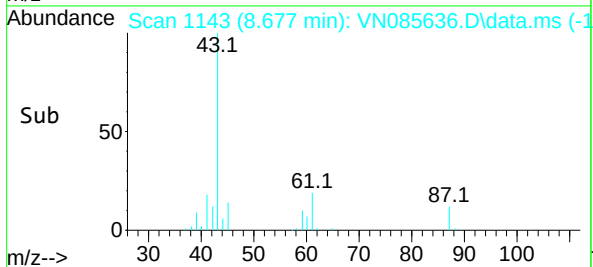
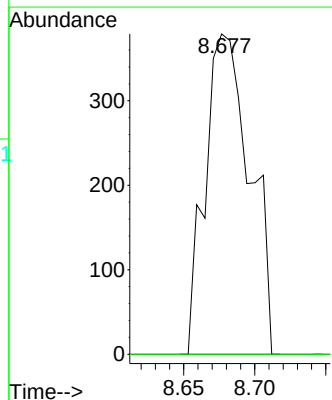
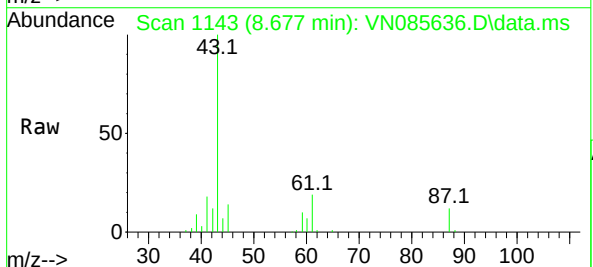


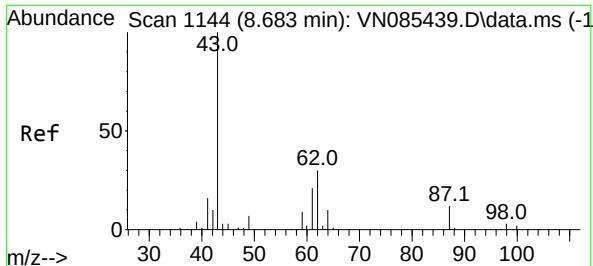
Tgt Ion:117 Resp: 18222
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.218 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.012 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 62 Resp: 833
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0

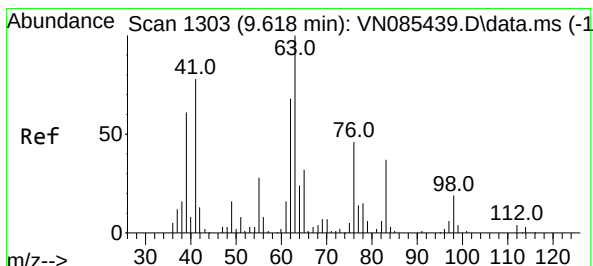
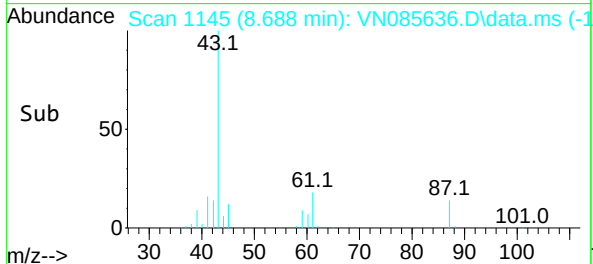
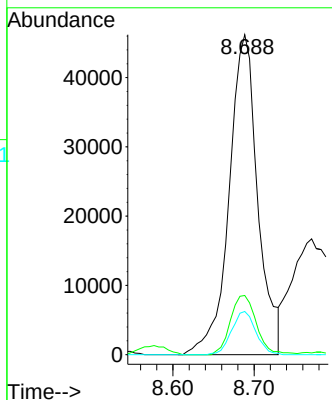
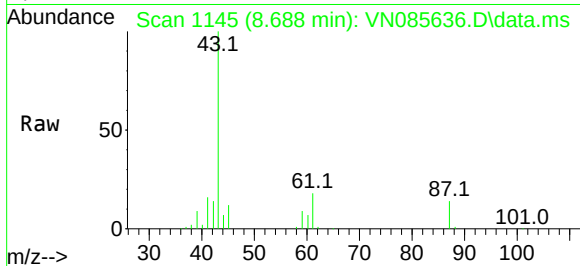




#43
Isopropyl Acetate
Concen: 20.830 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

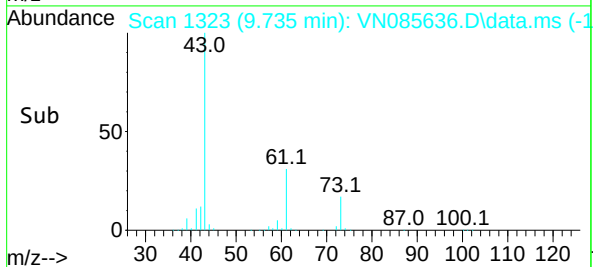
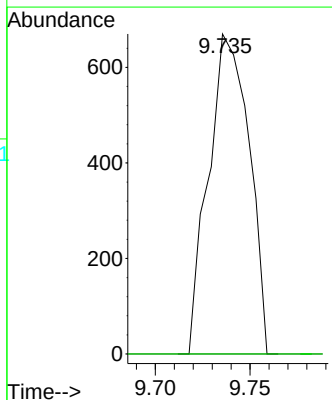
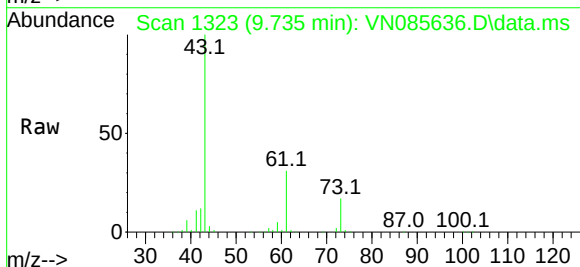
Instrument :
MSVOA_N
ClientSampleId :

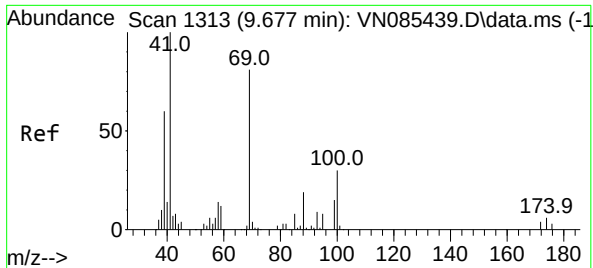
Tgt Ion: 43 Resp: 113601
Ion Ratio Lower Upper
43 100
61 16.8 20.7 31.1#
87 11.4 9.8 14.8



#45
1,2-Dichloropropane
Concen: 0.386 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

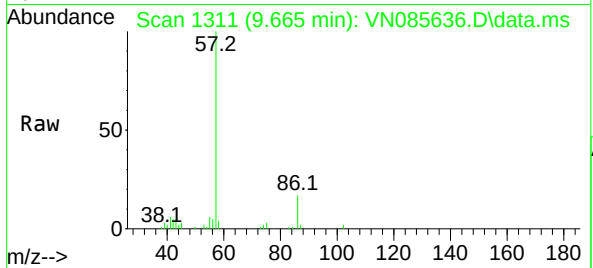
Tgt Ion: 63 Resp: 998
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



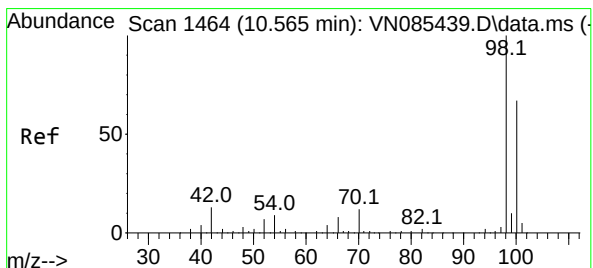
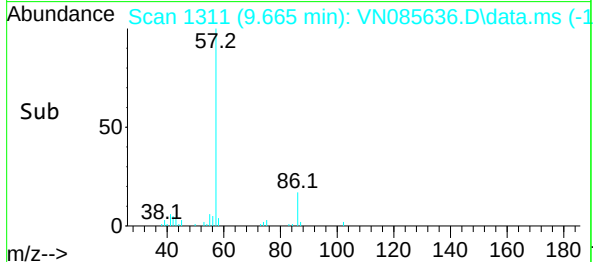
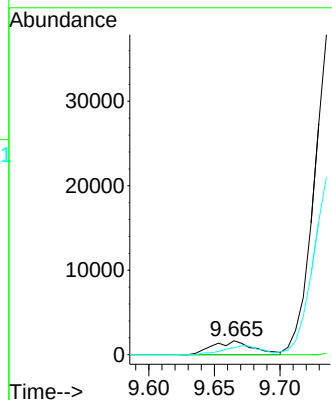


#48
Methyl methacrylate
Concen: 1.411 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Instrument :
MSVOA_N
ClientSampleId :

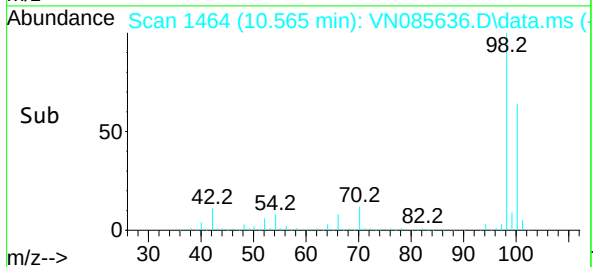
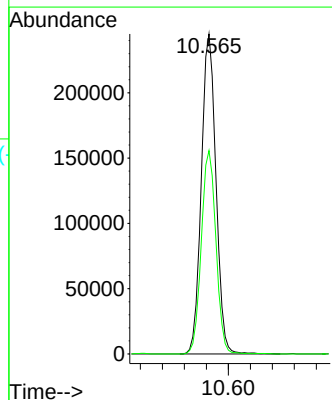
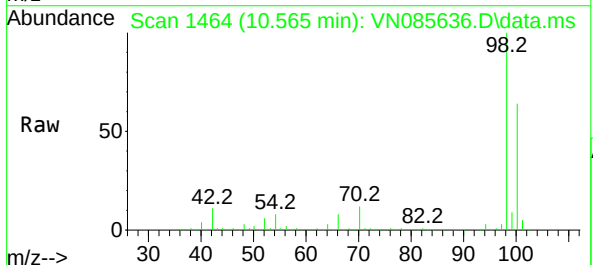


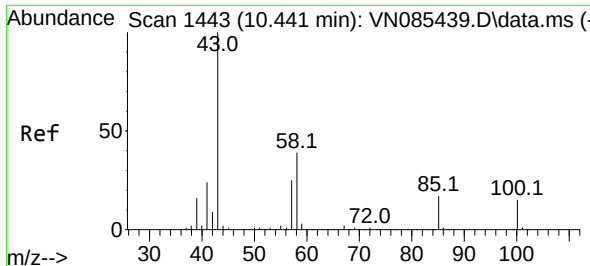
Tgt Ion: 41 Resp: 3462
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 58.9 49.0 73.6



#50
Toluene-d8
Concen: 53.041 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 98 Resp: 452786
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.4

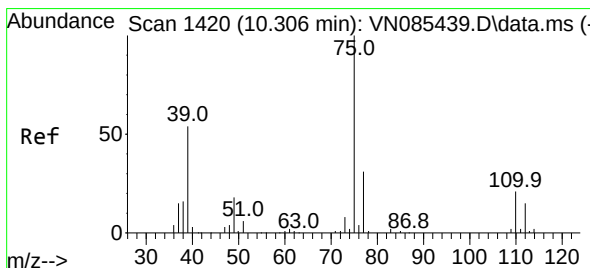
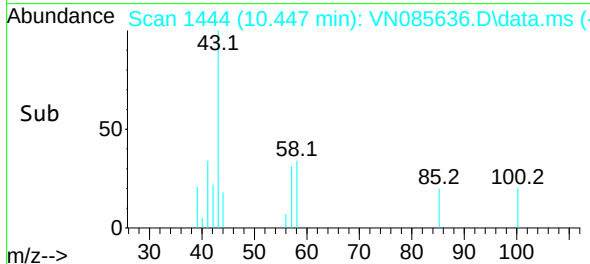
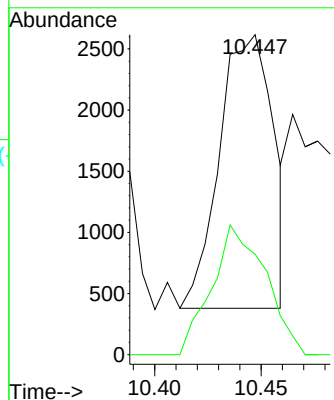
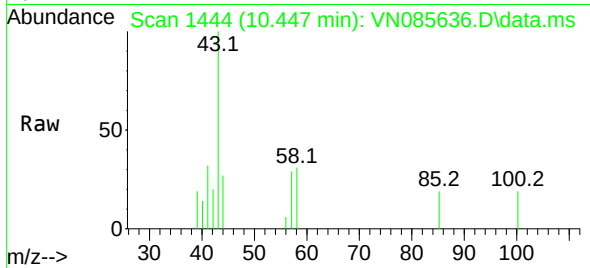




#51
4-Methyl-2-Pentanone
Concen: 1.247 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

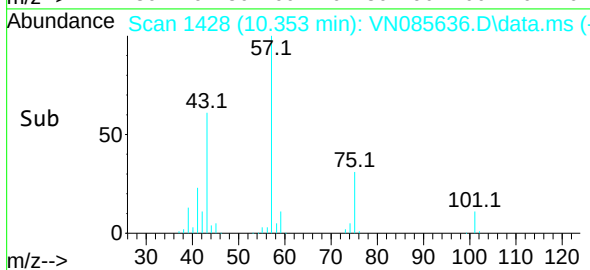
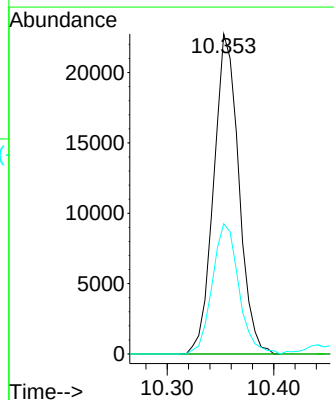
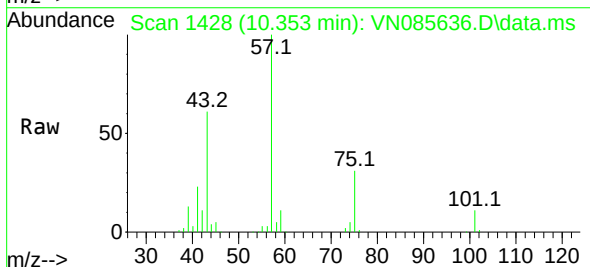
Instrument :
MSVOA_N
ClientSampleId :

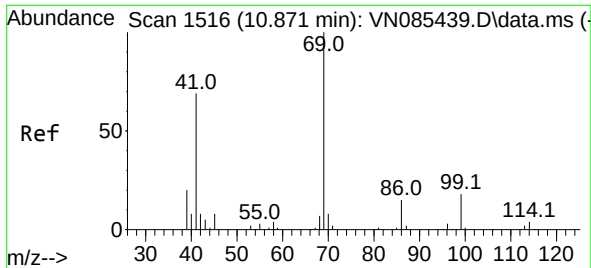
Tgt Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
58 47.1 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.680 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 75 Resp: 37176
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 40.7 43.1 64.7#

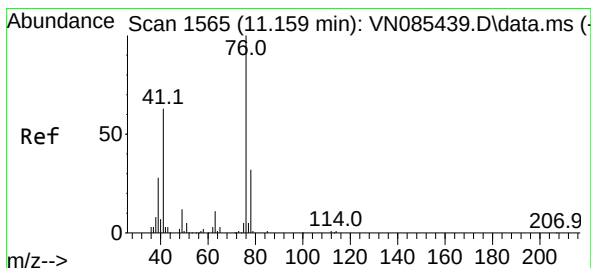
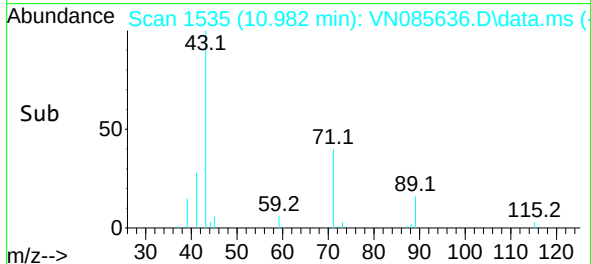
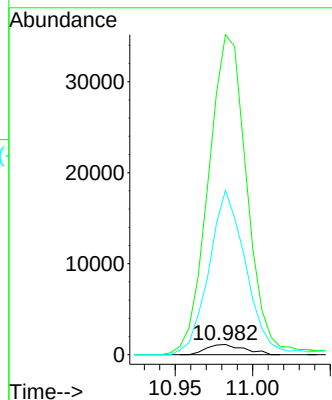
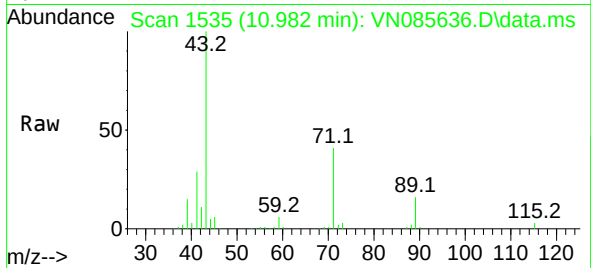




#56
Ethyl methacrylate
Concen: 2.399 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

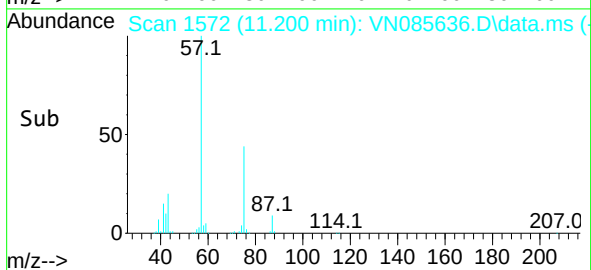
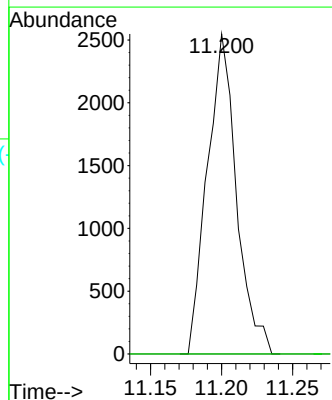
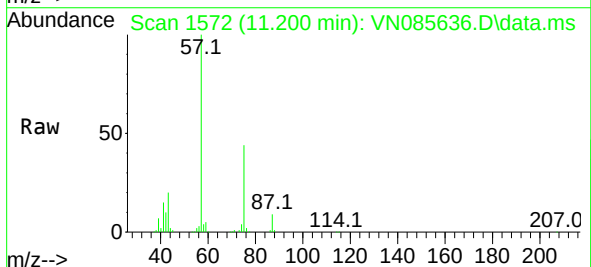
Instrument :
MSVOA_N
ClientSampleId :

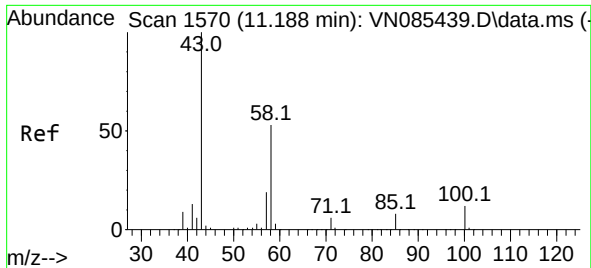
Tgt Ion: 69 Resp: 1904
Ion Ratio Lower Upper
69 100
41 3202.7 54.6 82.0#
39 1582.2 32.4 48.6#



#57
1,3-Dichloropropane
Concen: 0.904 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 76 Resp: 3650
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

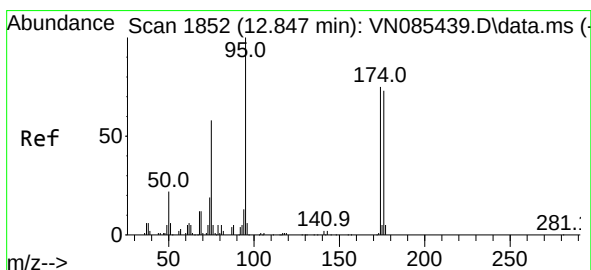
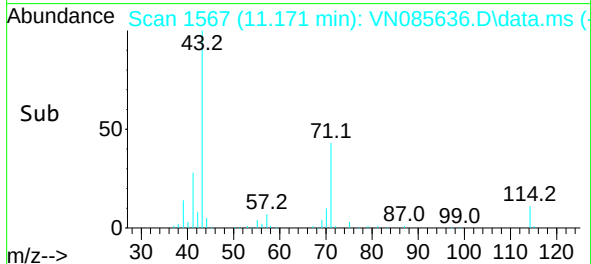
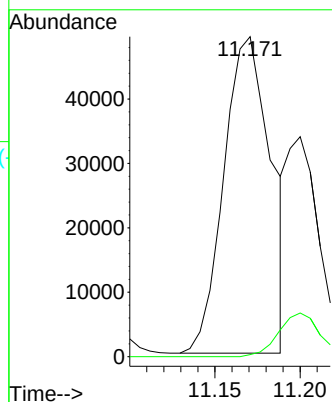
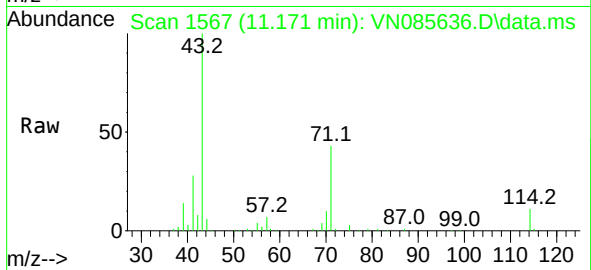




#59
2-Hexanone
Concen: 42.333 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

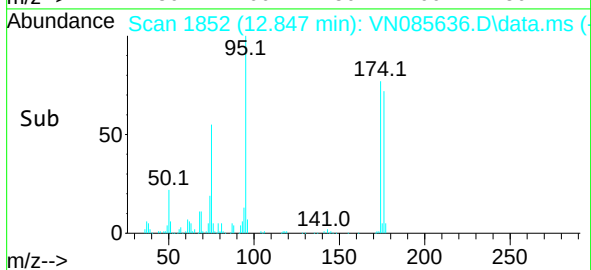
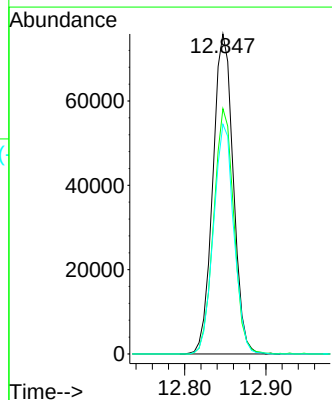
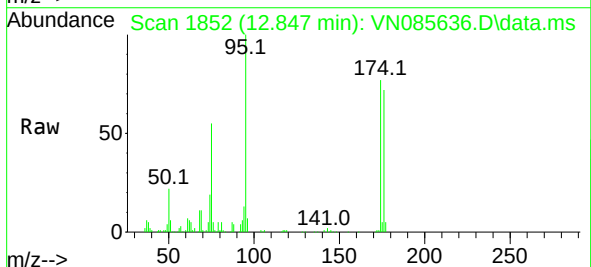
Instrument :
MSVOA_N
ClientSampleId :

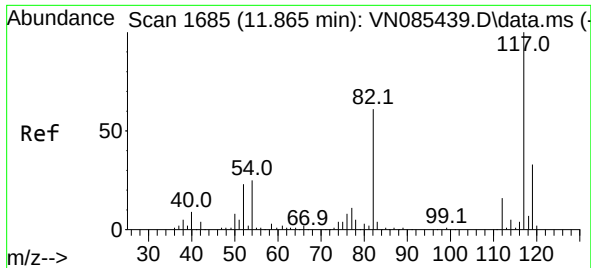
Tgt Ion: 43 Resp: 94268
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 45.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion: 95 Resp: 132300
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.0
176 71.6 0.0 142.4

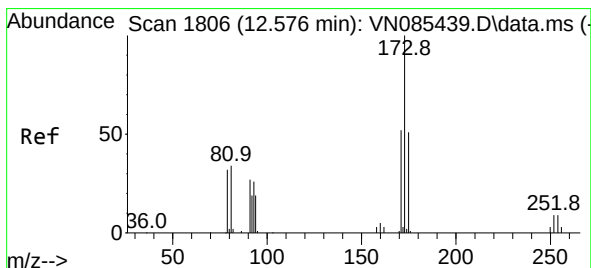
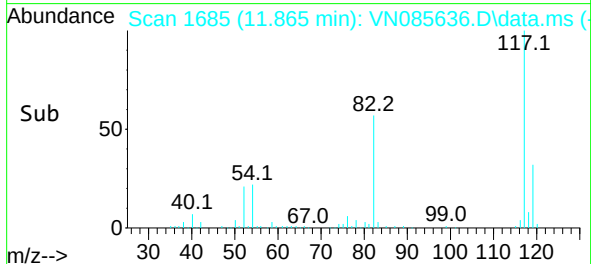
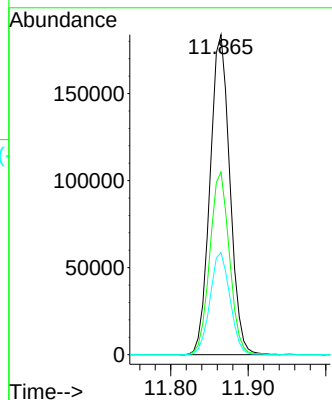
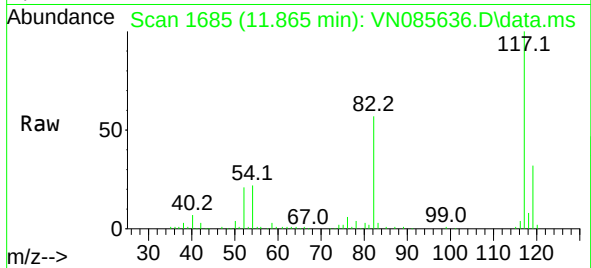




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

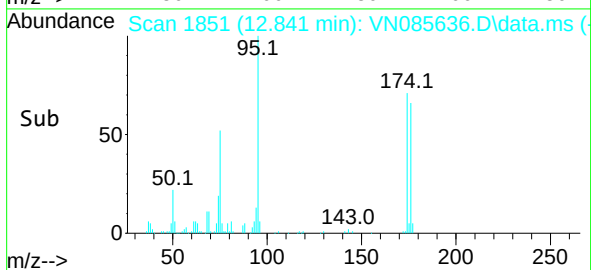
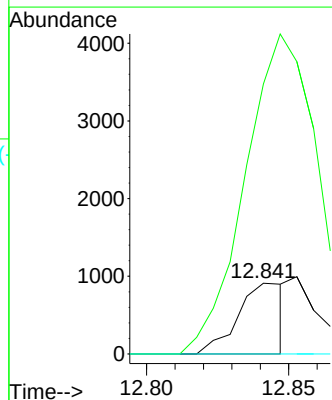
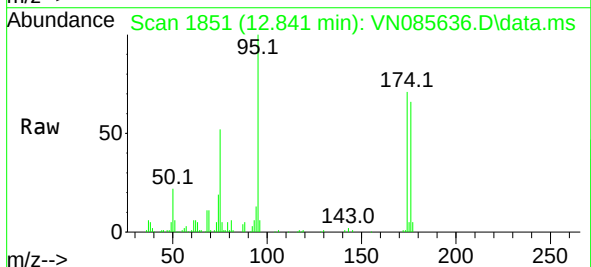
Instrument :
MSVOA_N
ClientSampleId :

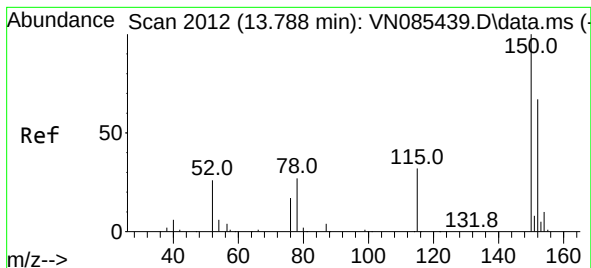
Tgt Ion:117 Resp: 326963
Ion Ratio Lower Upper
117 100
82 57.1 48.6 72.8
119 31.9 26.6 39.8



#71
Bromoform
Concen: 0.558 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Tgt Ion:173 Resp: 1050
Ion Ratio Lower Upper
173 100
175 530.4 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: VN085636.D

Acq: 03 Feb 2025 20:49

Instrument :

MSVOA_N

ClientSampleId :

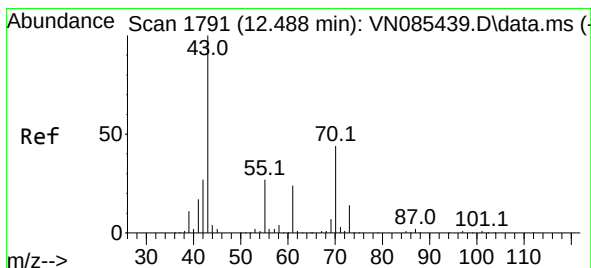
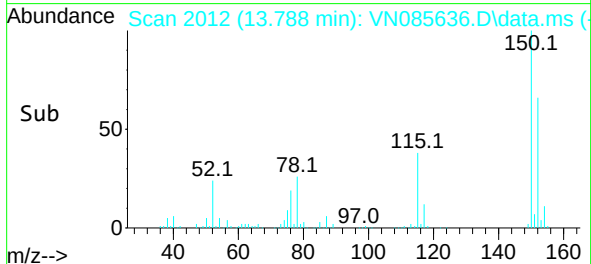
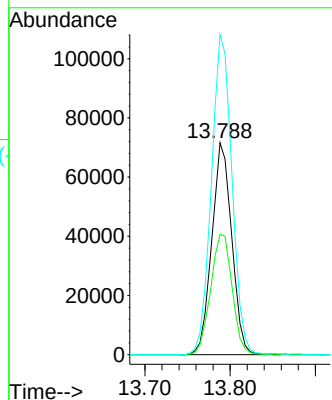
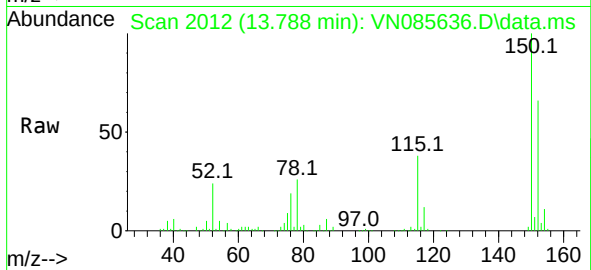
Tgt Ion:152 Resp: 116207

Ion Ratio Lower Upper

152 100

115 61.2 31.1 93.3

150 155.9 0.0 343.6



#74

N-ethyl acetate

Concen: 0.205 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

Tgt Ion: 43 Resp: 724

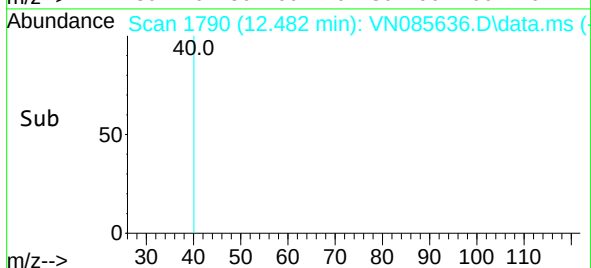
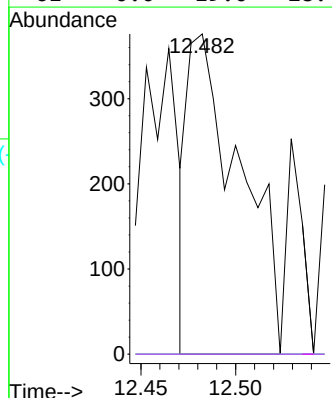
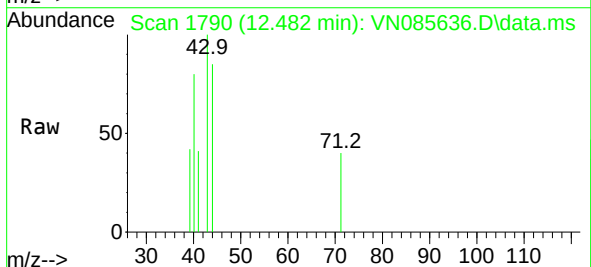
Ion Ratio Lower Upper

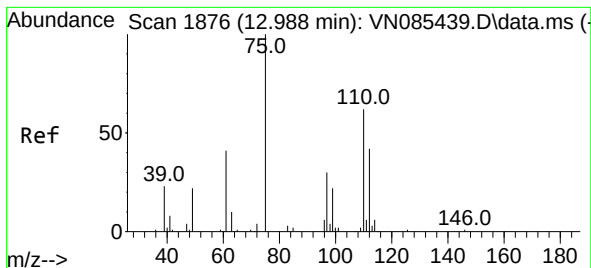
43 100

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: 29.174 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

Instrument :

MSVOA_N

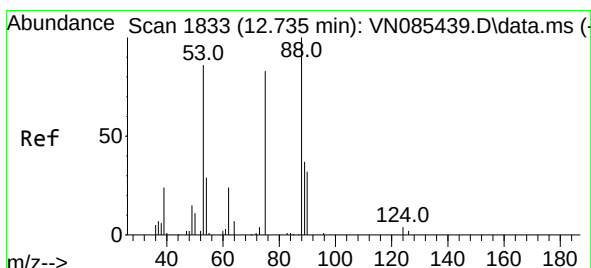
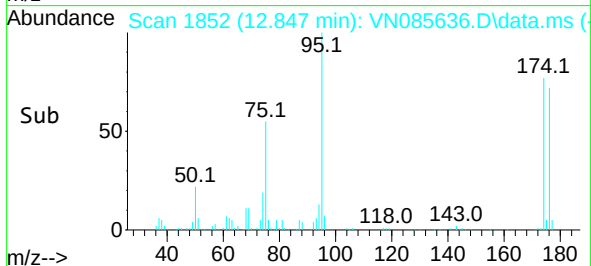
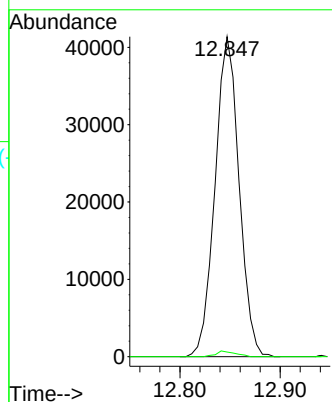
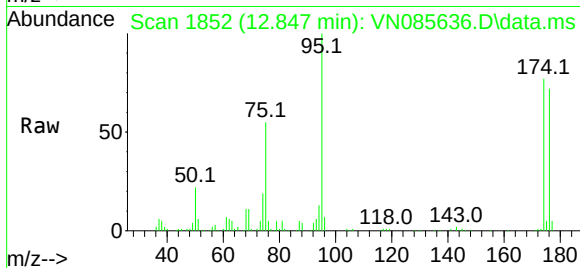
ClientSampleId :

Tgt Ion: 75 Resp: 68908

Ion Ratio Lower Upper

75 100

77 1.4 109.7 329.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.933 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085636.D

Acq: 03 Feb 2025 20:49

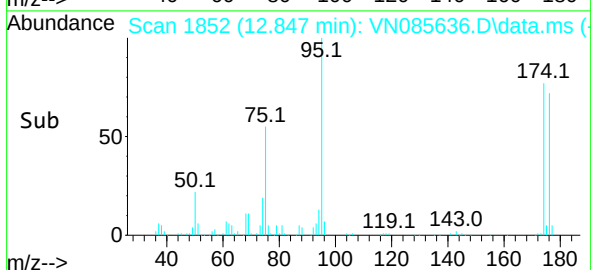
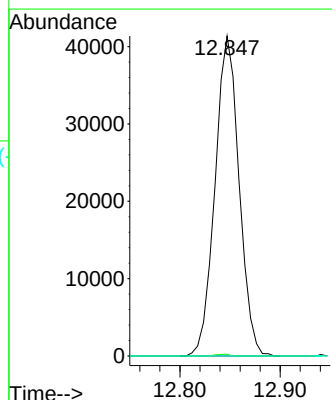
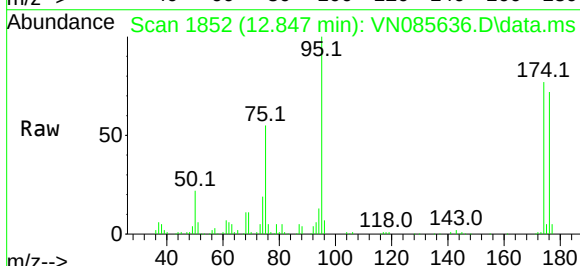
Tgt Ion: 75 Resp: 68908

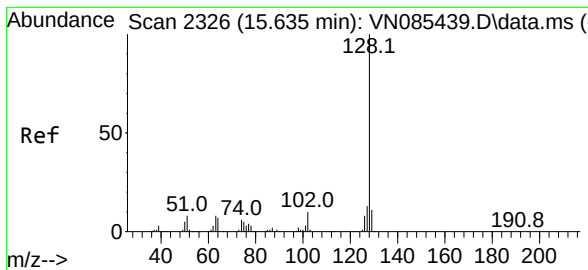
Ion Ratio Lower Upper

75 100

53 0.3 95.6 143.4#

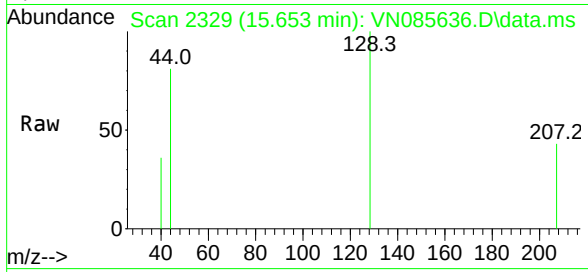
89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 0.205 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.018 min
Lab File: VN085636.D
Acq: 03 Feb 2025 20:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1072
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.8	13.2#

