

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121224\
 Data File : VN085186.D
 Acq On : 12 Dec 2024 12:58
 Operator : JC\MD
 Sample : P5239-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 04:23:55 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

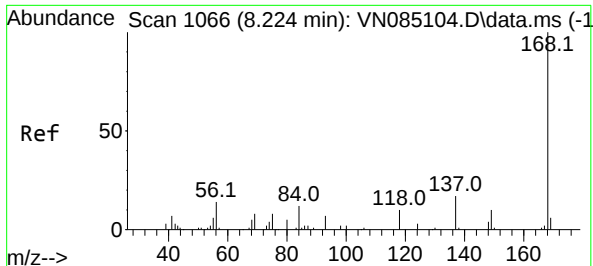
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	144040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104222	50.797	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.600%		
35) Dibromofluoromethane	8.165	113	85502	49.874	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.740%		
50) Toluene-d8	10.565	98	313883	51.089	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.180%		
62) 4-Bromofluorobenzene	12.847	95	109576	47.691	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 95.380%		
Target Compounds						
						Qvalue
5) Bromomethane	2.983	94	418	0.439	ug/l	91
10) Methyl Iodide	4.594	142	683	0.315	ug/l #	39
16) Acetone	4.430	43	16716	27.974	ug/l	93
18) Methyl Acetate	5.030	43	1299	Below Cal	#	79
20) Methylene Chloride	5.271	84	2167	1.188	ug/l #	73
25) 2-Butanone	7.488	43	1695	1.735	ug/l #	48
29) Tetrahydrofuran	7.841	42	127	0.209	ug/l #	31
31) Cyclohexane	8.224	56	3005	1.099	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12380	5.331	ug/l #	50
37) Ethyl Acetate	7.547	43	2511	1.189	ug/l #	71
38) Carbon Tetrachloride	8.218	117	15251	5.690	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	584	0.232	ug/l #	75
43) Isopropyl Acetate	8.688	43	104865	23.915	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1071	0.592	ug/l #	45
48) Methyl methacrylate	9.659	41	2549	1.562	ug/l #	11
51) 4-Methyl-2-Pentanone	10.441	43	6941	3.466	ug/l #	67
53) t-1,3-Dichloropropene	10.718	75	660	0.247	ug/l	91
54) cis-1,3-Dichloropropene	10.359	75	31583	11.146	ug/l #	63
56) Ethyl methacrylate	10.982	69	1233	0.521	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4611	1.618	ug/l #	42
59) 2-Hexanone	11.200	43	50160	33.486	ug/l #	56
76) 1,2,3-Trichloropropane	12.847	75	56517	32.641	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56517	72.058	ug/l #	10
95) Naphthalene	15.635	128	1253	0.237	ug/l #	81

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

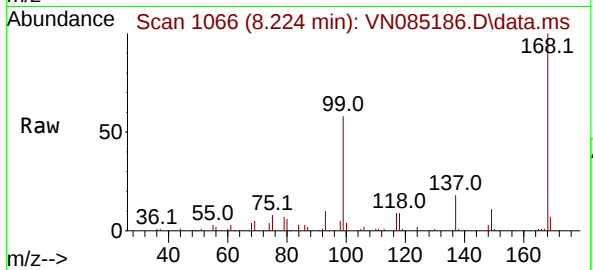
Quant Time: Dec 13 04:23:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



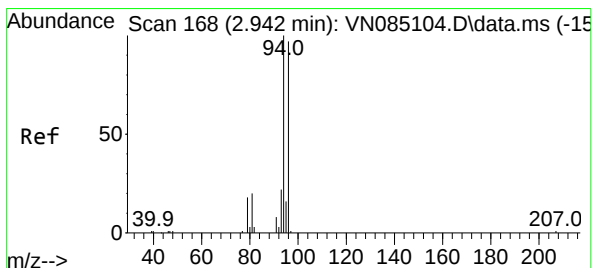
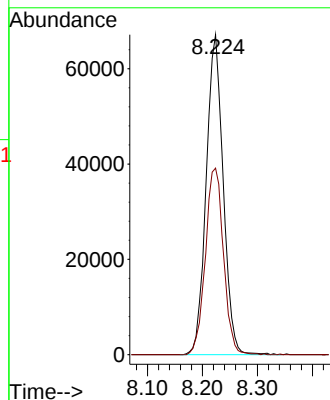
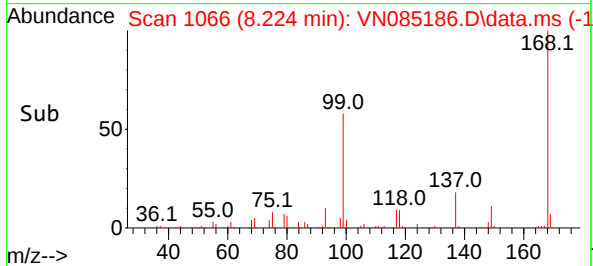


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

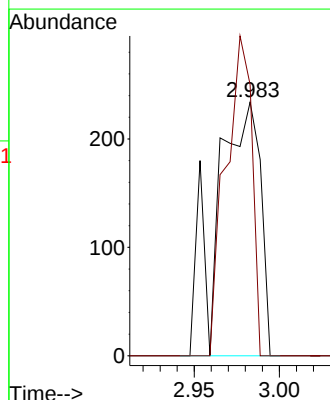
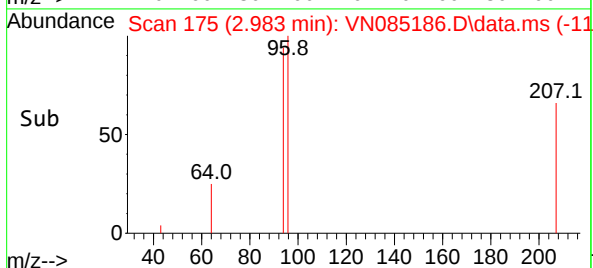
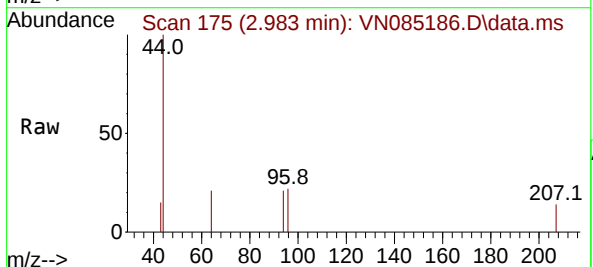


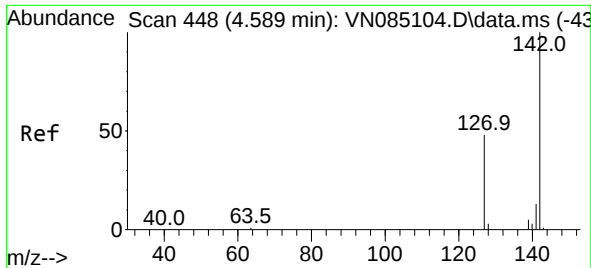
Tgt Ion:168 Resp: 144040
Ion Ratio Lower Upper
168 100
99 58.3 51.2 76.8



#5
Bromomethane
Concen: 0.439 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.082 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

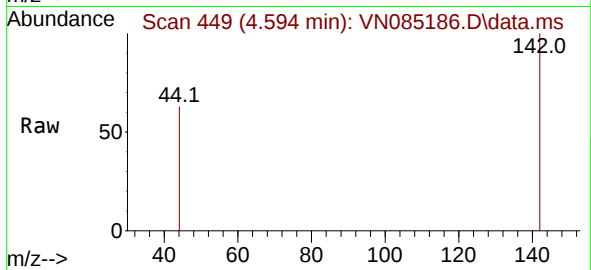
Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 106.8 78.7 118.1



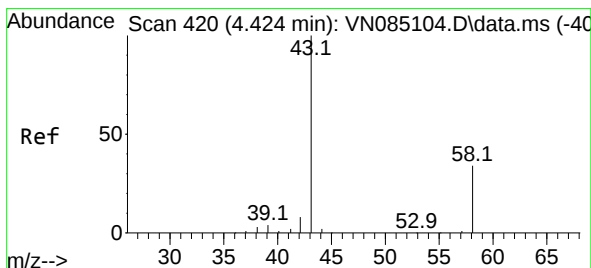
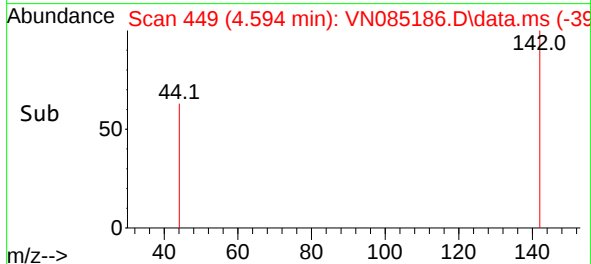
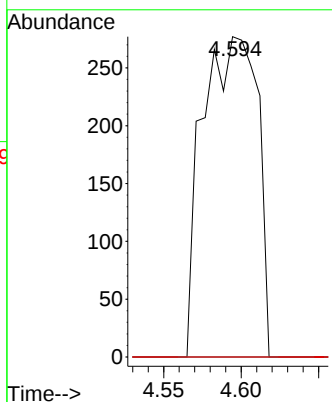


#10
Methyl Iodide
Concen: 0.315 ug/l
RT: 4.594 min Scan# 448
Delta R.T. 0.023 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

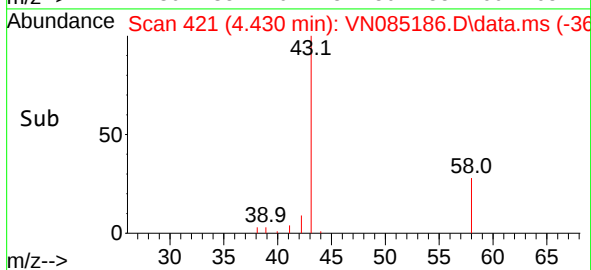
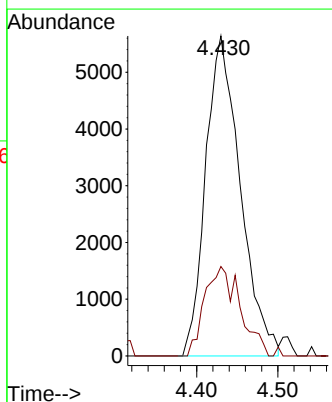
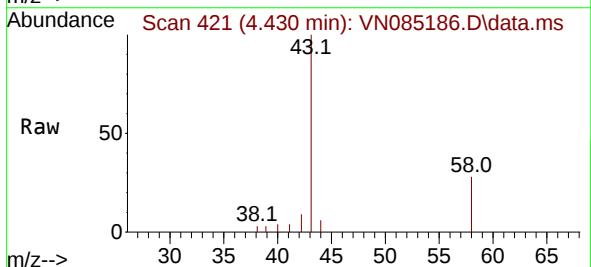


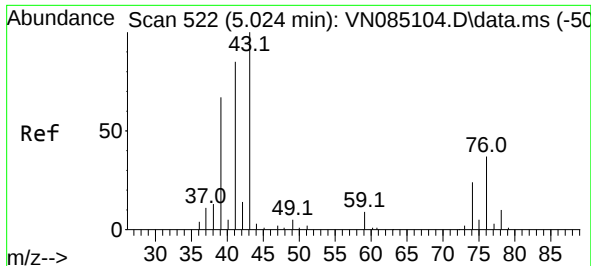
Tgt Ion:142 Resp: 683
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



#16
Acetone
Concen: 27.974 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Tgt Ion: 43 Resp: 16716
Ion Ratio Lower Upper
43 100
58 28.0 25.4 38.2

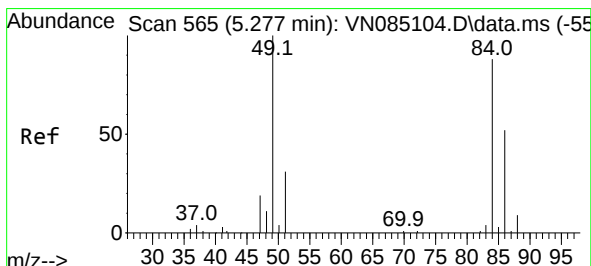
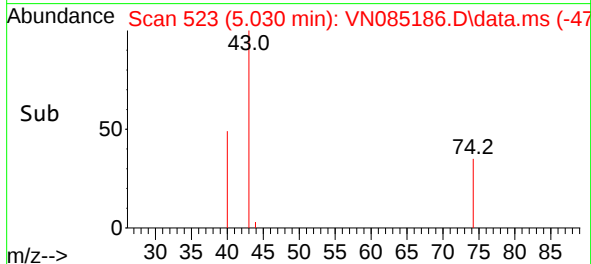
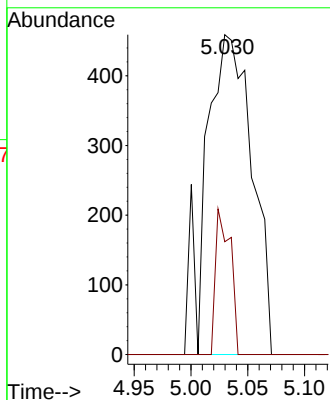
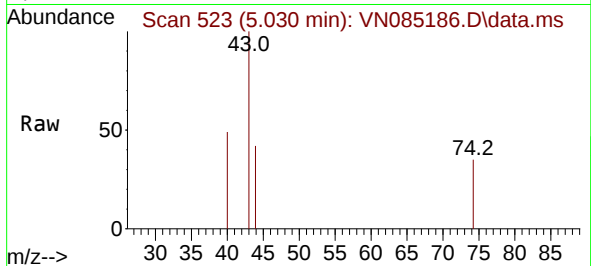




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

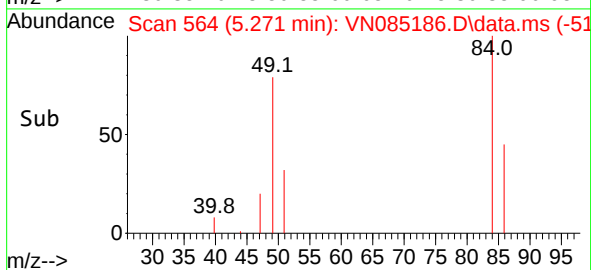
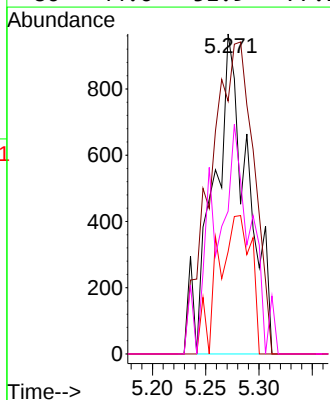
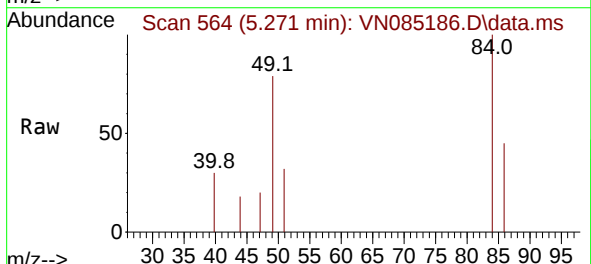
Instrument :
MSVOA_N
ClientSampleId :

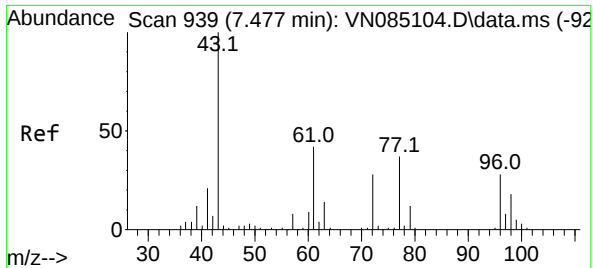
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
74 14.6 20.1 30.1#



#20
Methylene Chloride
Concen: 1.188 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

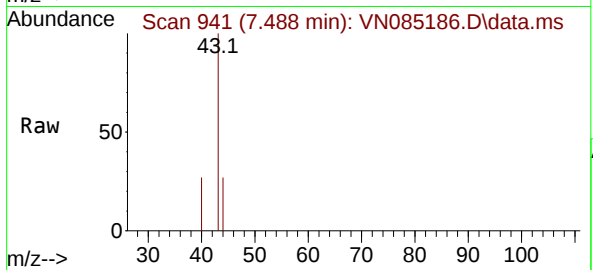
Tgt Ion: 84 Resp: 2167
Ion Ratio Lower Upper
84 100
49 79.0 92.7 139.1#
51 32.0 29.4 44.2
86 44.6 51.9 77.9#



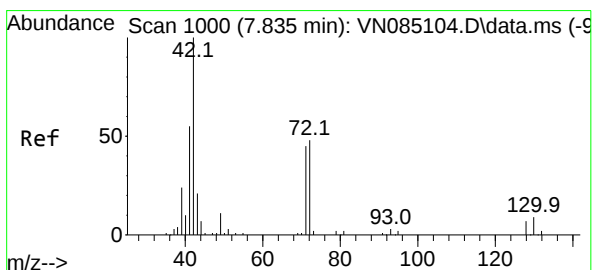
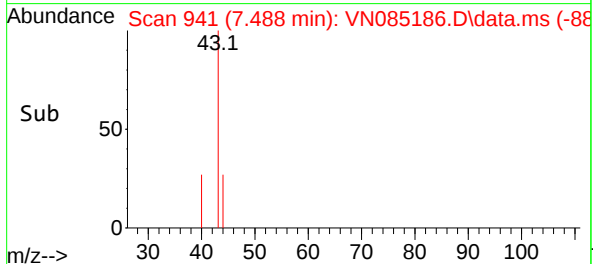
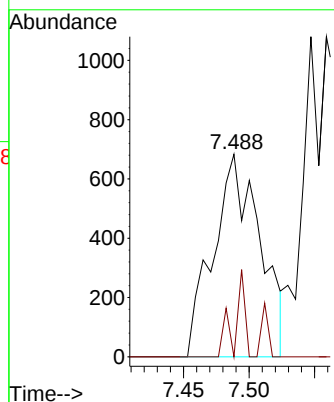


#25
2-Butanone
Concen: 1.735 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

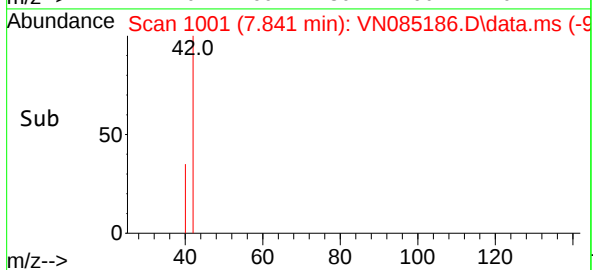
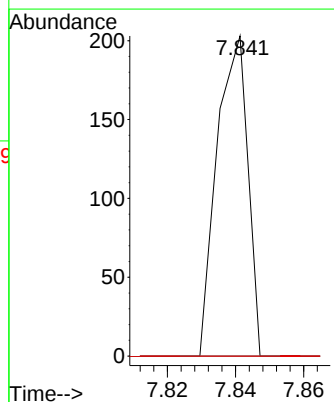
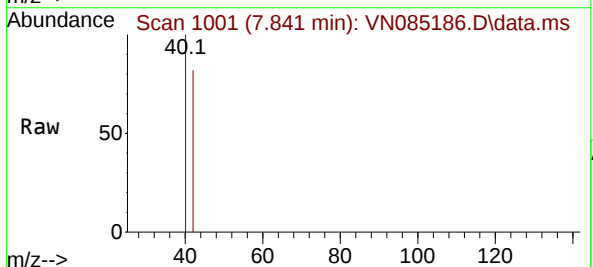


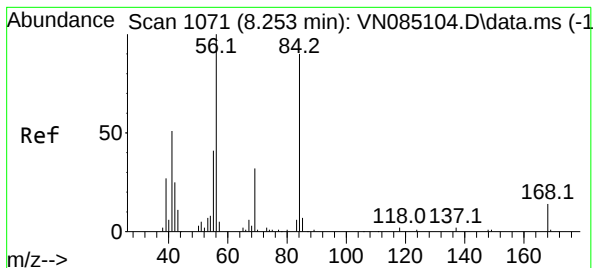
Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Tgt Ion: 42 Resp: 127
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 35.0 52.4#





#31

Cyclohexane

Concen: 1.099 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.030 min

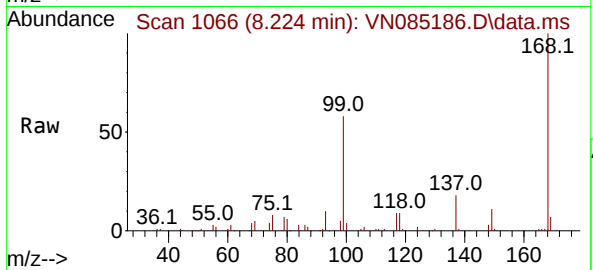
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Acq: 12 Dec 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :



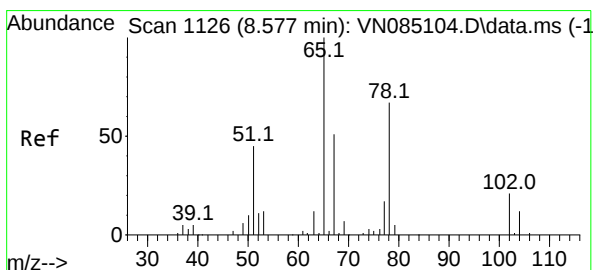
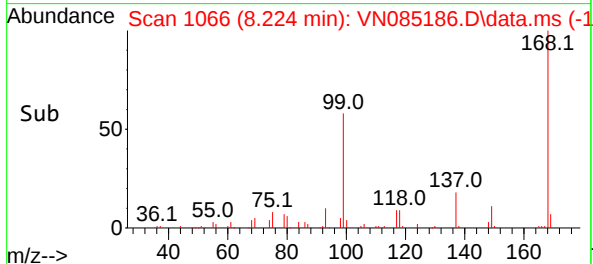
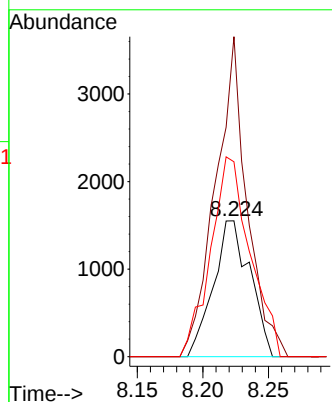
Tgt Ion: 56 Resp: 3005

Ion Ratio Lower Upper

56 100

69 235.5 24.6 36.8#

84 143.4 71.4 107.2#



#33

1,2-Dichloroethane-d4

Concen: 50.797 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085186.D

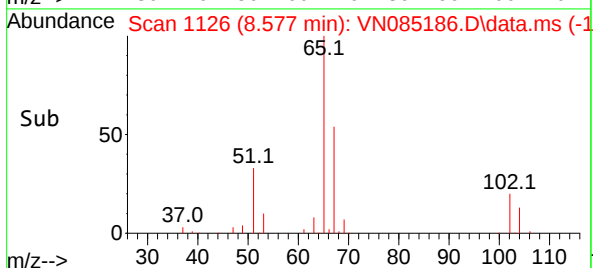
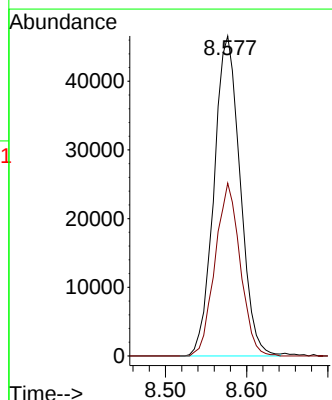
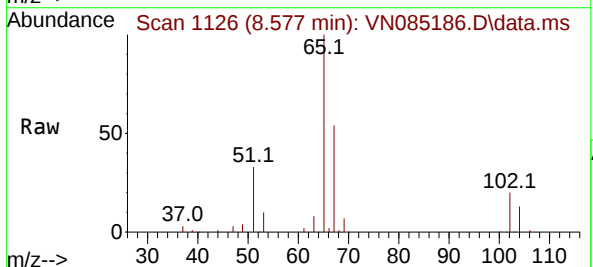
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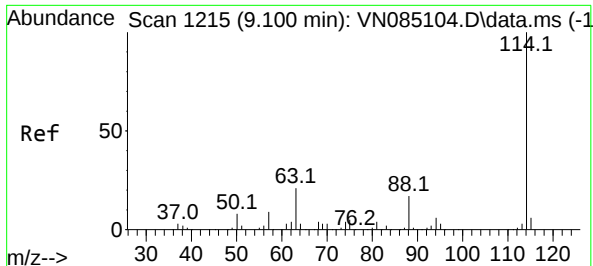
Tgt Ion: 65 Resp: 104222

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0

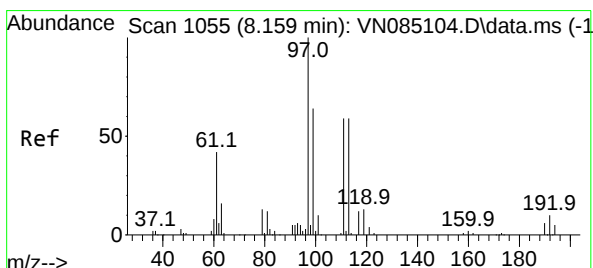
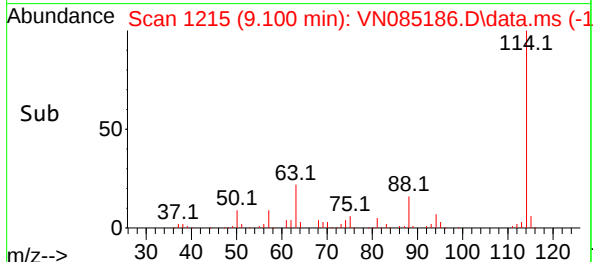
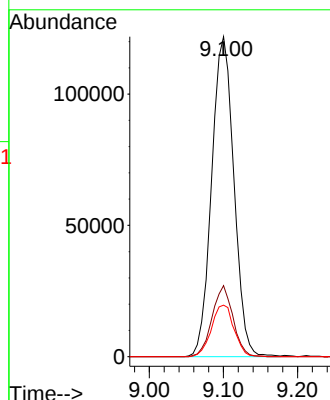
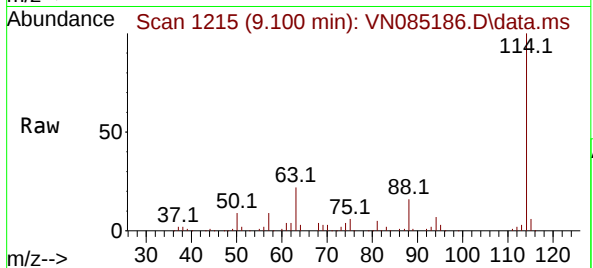




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

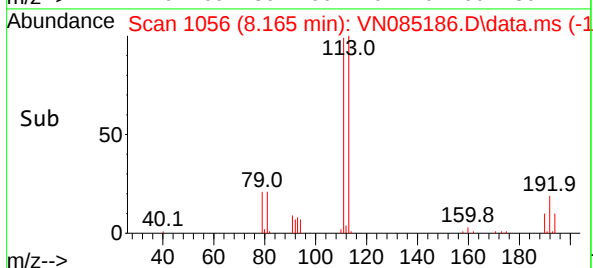
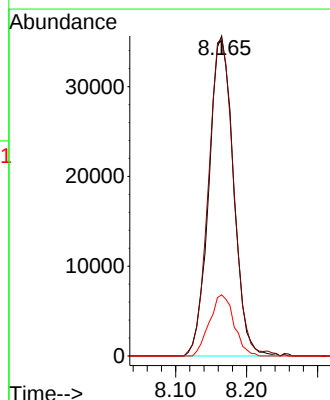
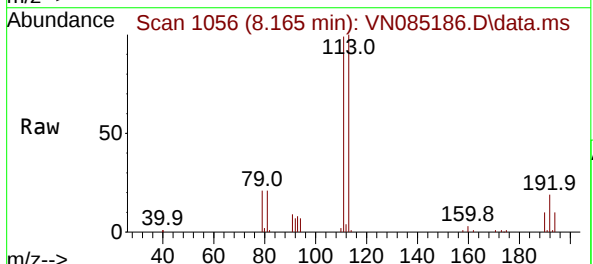
Instrument :
MSVOA_N
ClientSampleId :

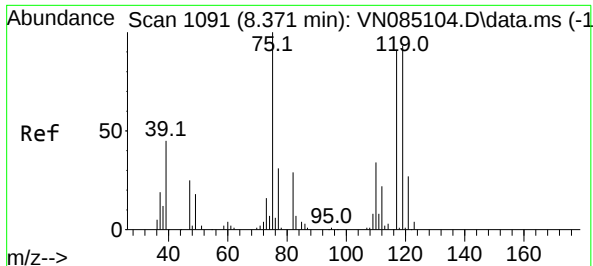
Tgt Ion:114 Resp: 254219
Ion Ratio Lower Upper
114 100
63 22.2 0.0 41.0
88 16.1 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.874 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Tgt Ion:113 Resp: 85502
Ion Ratio Lower Upper
113 100
111 101.5 82.0 123.0
192 19.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

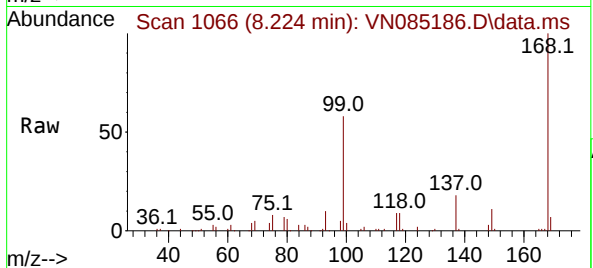
Lab File: VN085186.D

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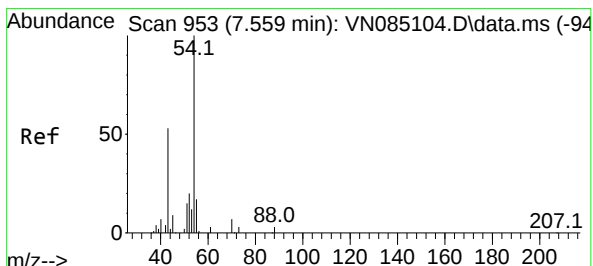
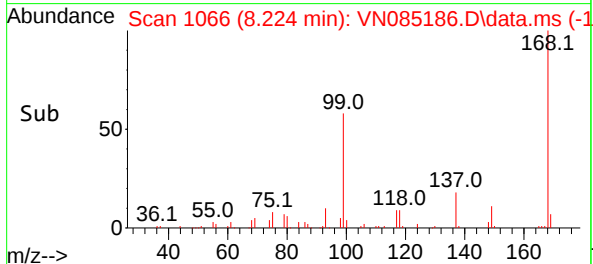
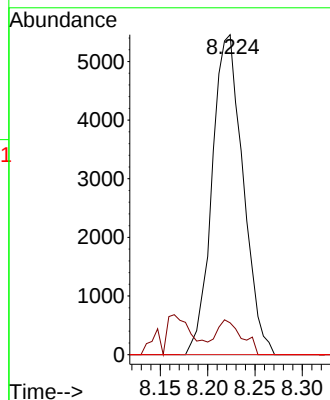
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	12380
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.2	51.6#
77	0.0	24.2	36.4#



#37

Ethyl Acetate

Concen: 1.189 ug/l

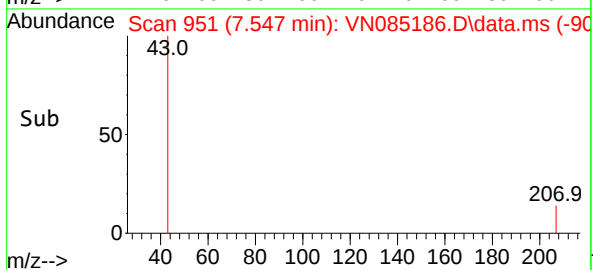
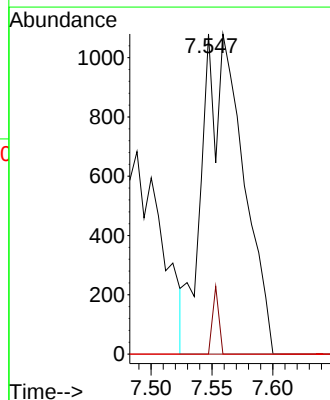
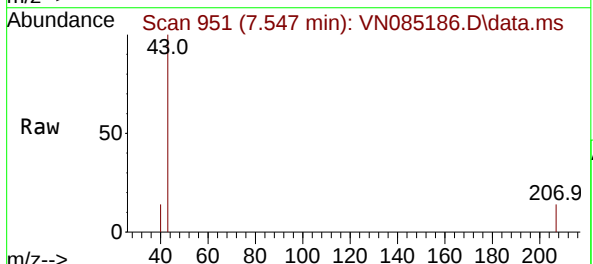
RT: 7.547 min Scan# 951

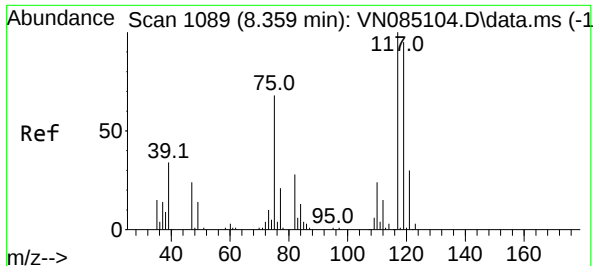
Delta R.T. -0.006 min

Lab File: VN085186.D

Acq: 12 Dec 2024 12:58

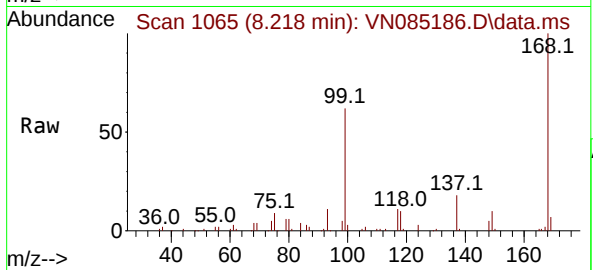
Tgt Ion:	43	Resp:	2511
Ion	Ratio	Lower	Upper
43	100		
61	3.2	11.7	17.5#
70	0.0	9.3	13.9#



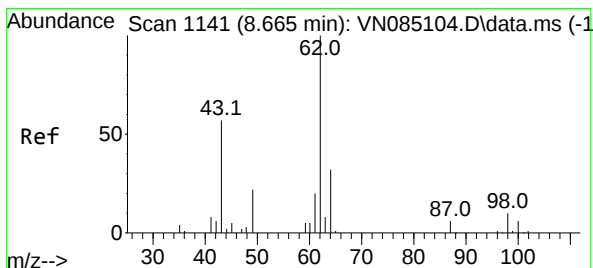
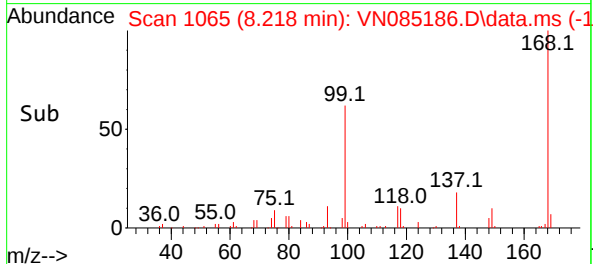
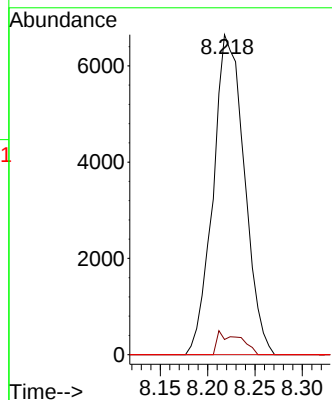


#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 8.218 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

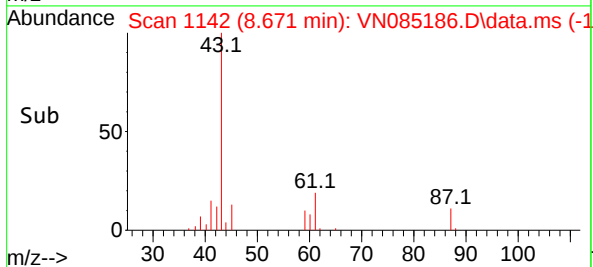
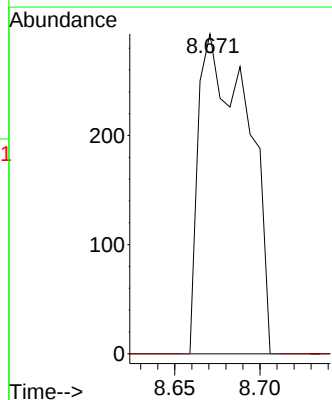
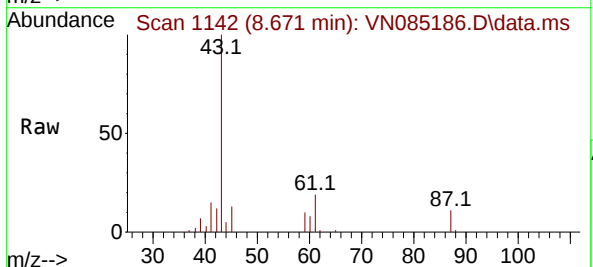


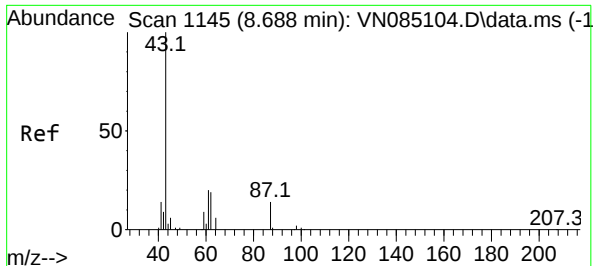
Tgt Ion:117 Resp: 15251
Ion Ratio Lower Upper
117 100
119 4.7 78.6 117.8#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

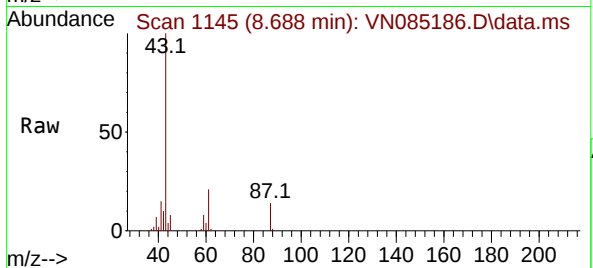
Tgt Ion: 62 Resp: 584
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



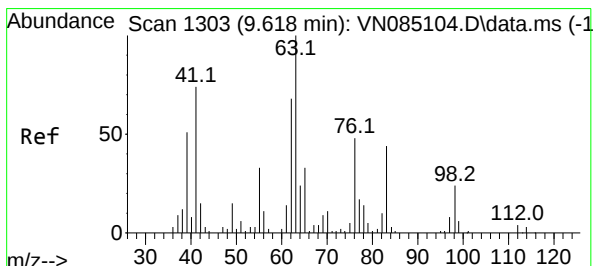
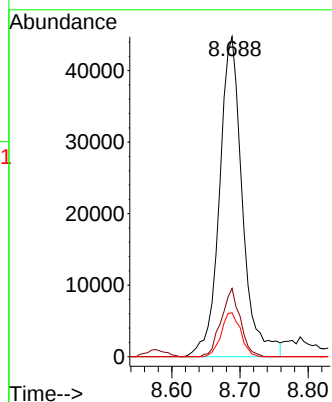
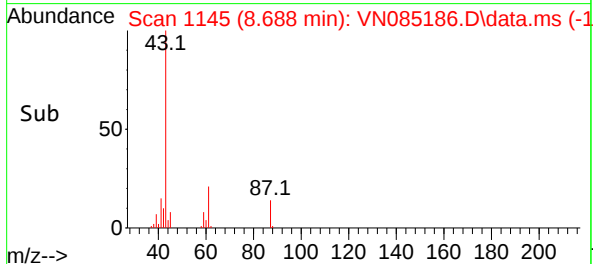


#43
Isopropyl Acetate
Concen: 23.915 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

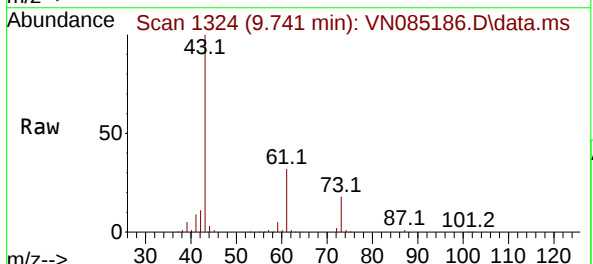
Instrument :
MSVOA_N
ClientSampleId :



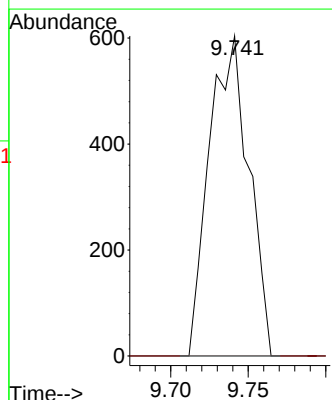
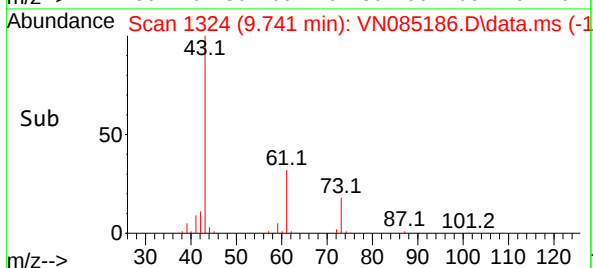
Tgt Ion: 43 Resp: 104865
Ion Ratio Lower Upper
43 100
61 17.7 20.6 30.8#
87 11.6 11.0 16.4

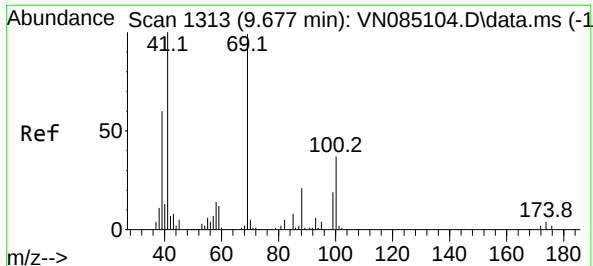


#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58



Tgt Ion: 63 Resp: 1071
Ion Ratio Lower Upper
63 100
65 0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.562 ug/l

RT: 9.659 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN085186.D

Acq: 12 Dec 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :

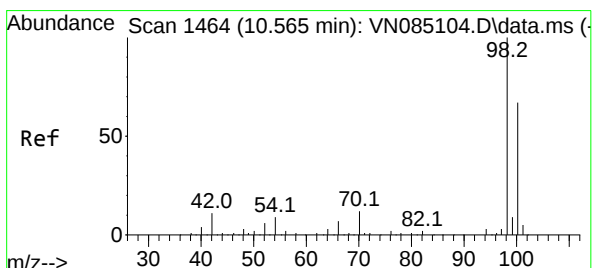
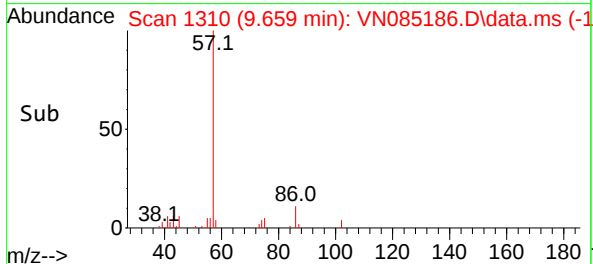
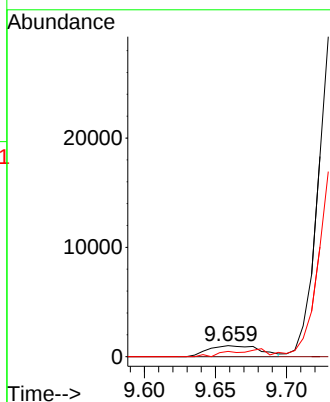
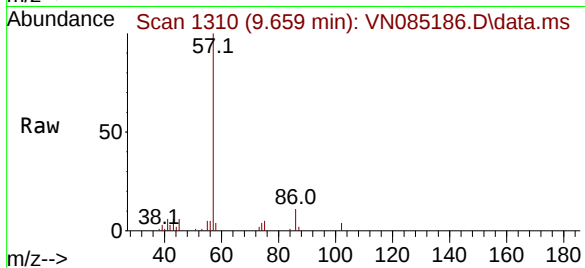
Tgt Ion: 41 Resp: 2549

Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 0.0 46.2 69.4#



#50

Toluene-d8

Concen: 51.089 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085186.D

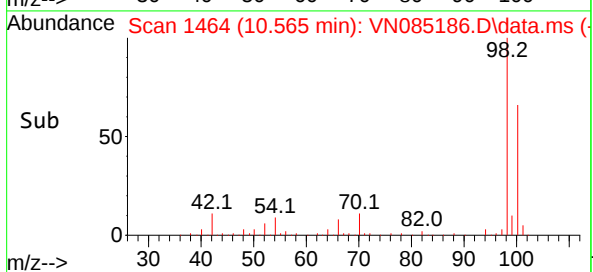
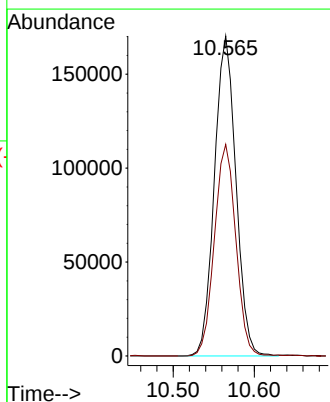
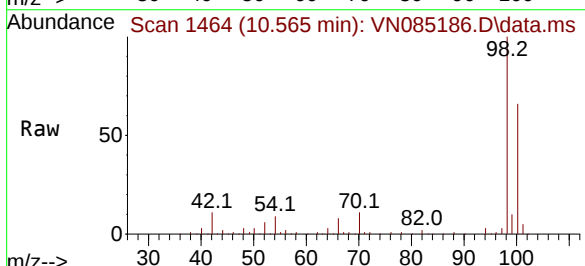
Acq: 12 Dec 2024 12:58

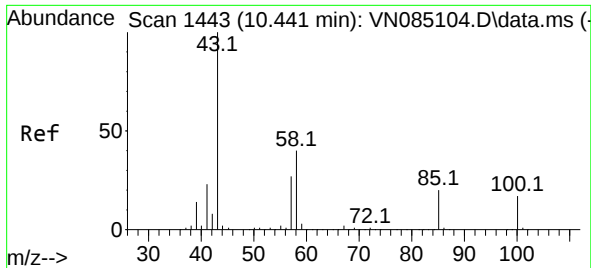
Tgt Ion: 98 Resp: 313883

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

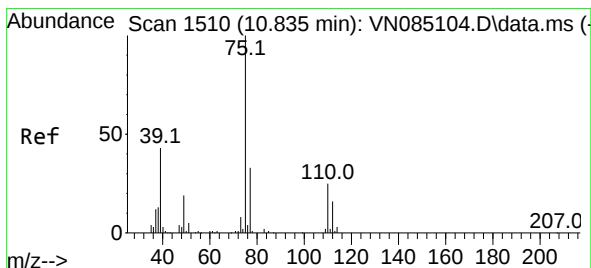
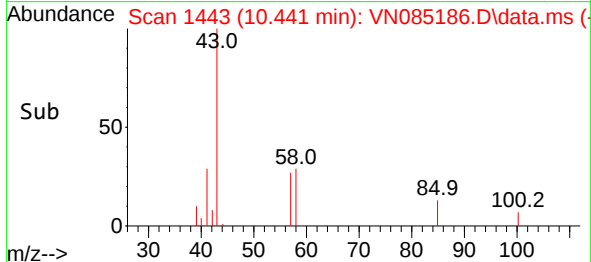
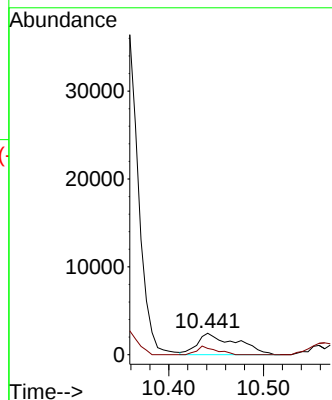
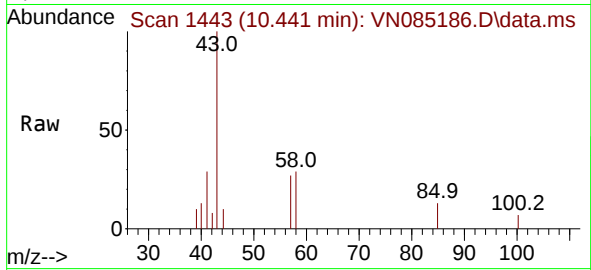




#51
4-Methyl-2-Pentanone
Concen: 3.466 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

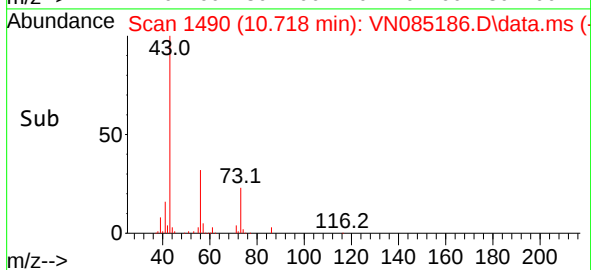
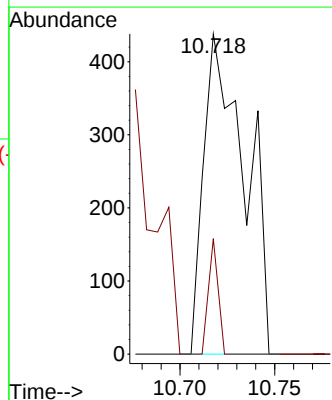
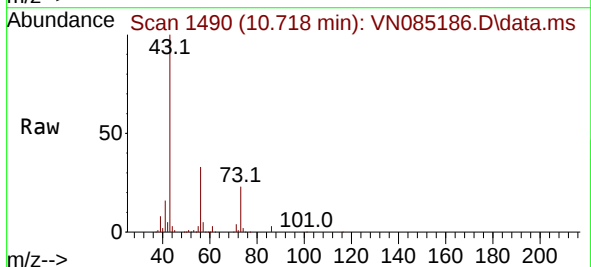
Instrument :
MSVOA_N
ClientSampleId :

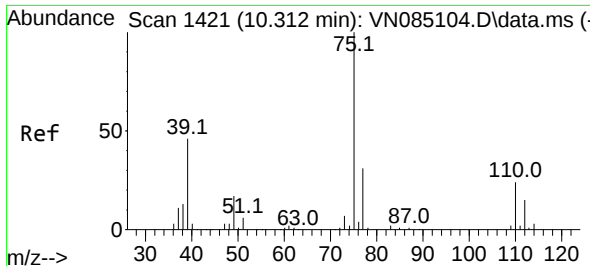
Tgt Ion: 43 Resp: 6941
Ion Ratio Lower Upper
43 100
58 19.6 32.1 48.1#



#53
t-1,3-Dichloropropene
Concen: 0.247 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.118 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
77 36.1 25.0 37.4

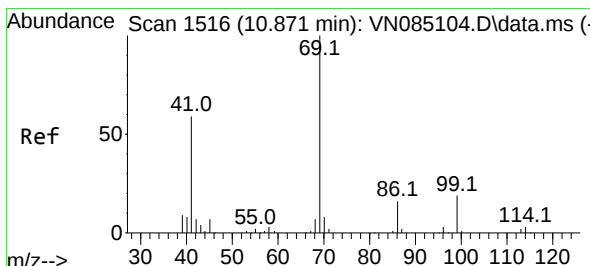
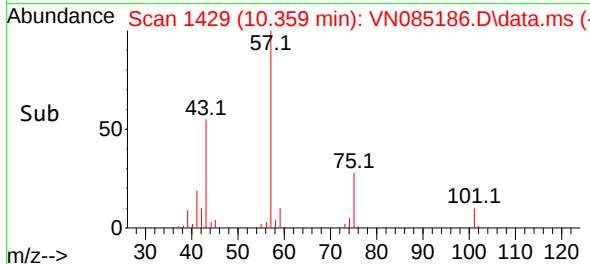
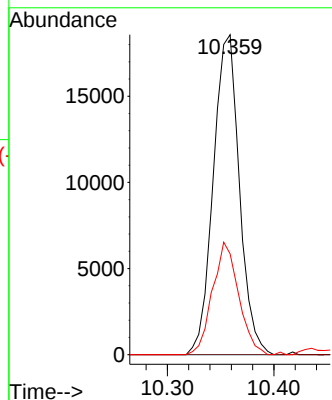
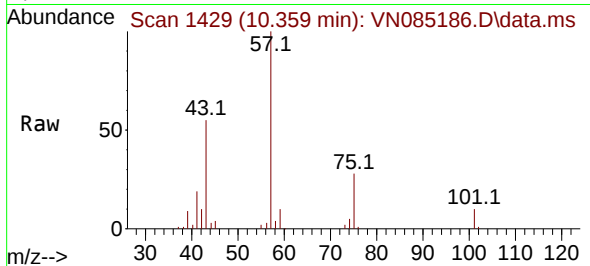




#54
cis-1,3-Dichloropropene
Concen: 11.146 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

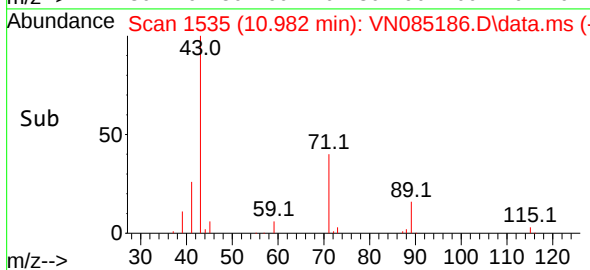
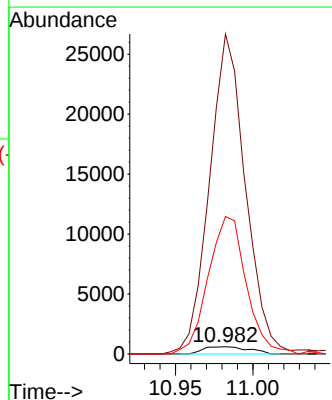
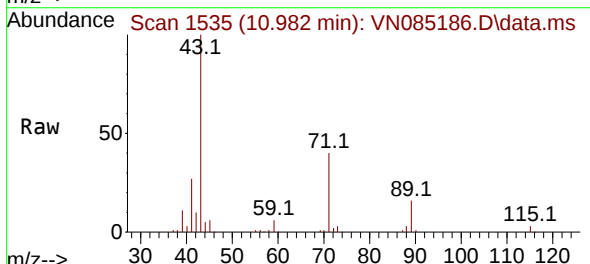
Instrument :
MSVOA_N
ClientSampleId :

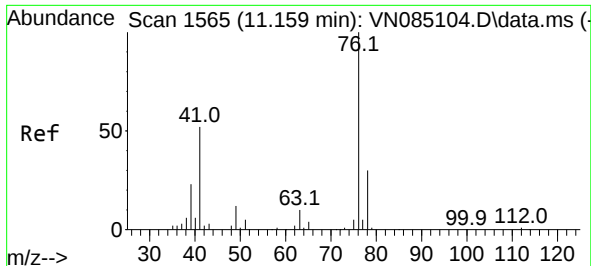
Tgt Ion: 75 Resp: 31583
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 31.5 37.6 56.4#



#56
Ethyl methacrylate
Concen: 0.521 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

Tgt Ion: 69 Resp: 1233
Ion Ratio Lower Upper
69 100
41 3511.7 50.0 75.0#
39 1592.1 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 1.618 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN085186.D

Acq: 12 Dec 2024 12:58

Instrument :

MSVOA_N

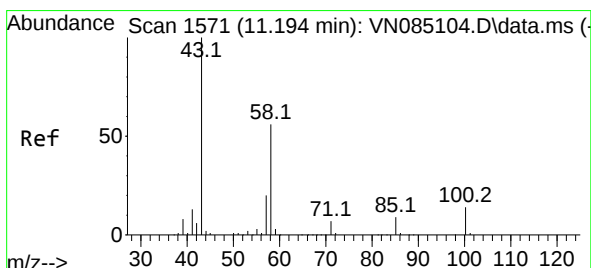
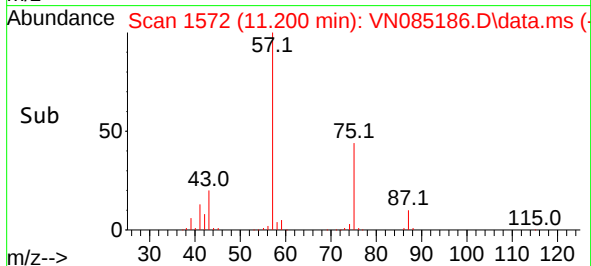
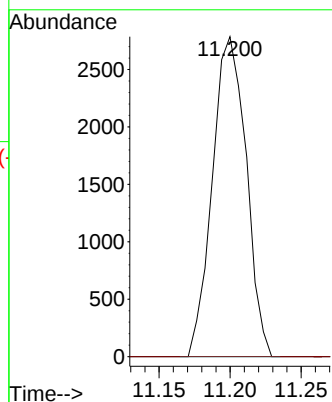
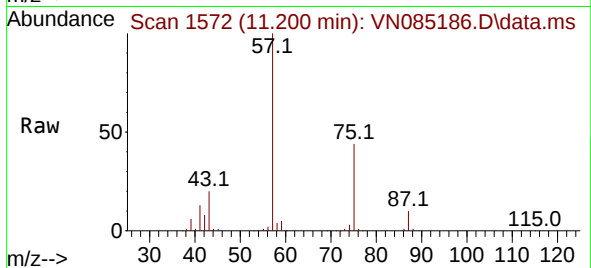
ClientSampleId :

Tgt Ion: 76 Resp: 4611

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 33.486 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085186.D

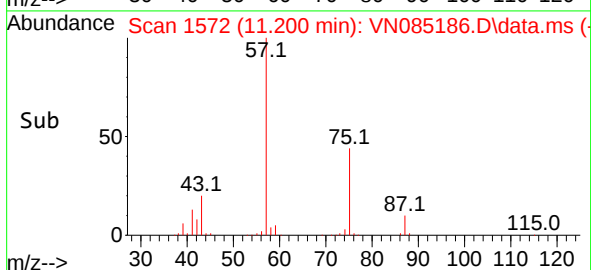
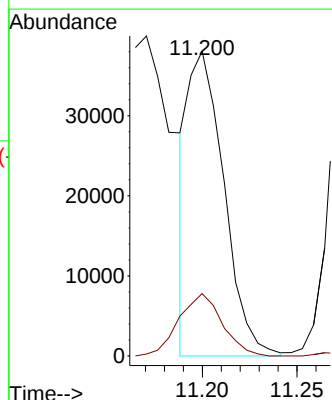
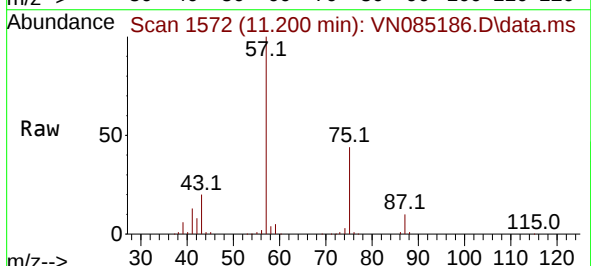
Acq: 12 Dec 2024 12:58

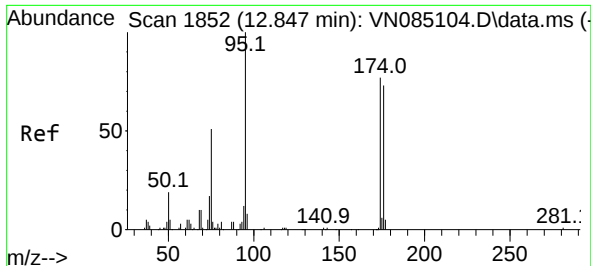
Tgt Ion: 43 Resp: 50160

Ion Ratio Lower Upper

43 100

58 24.7 28.3 85.0#

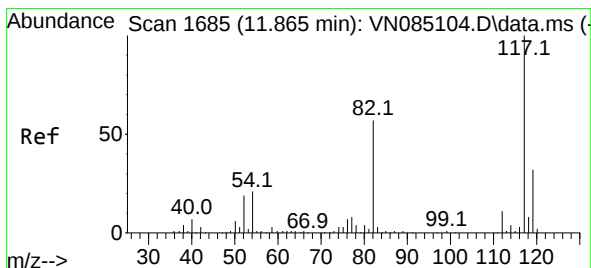
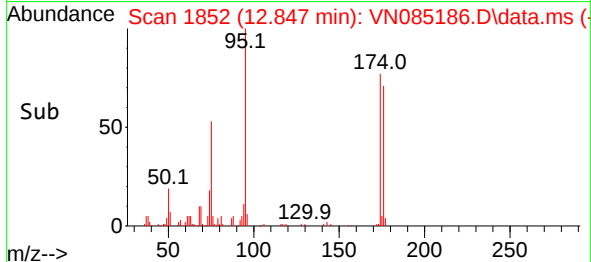
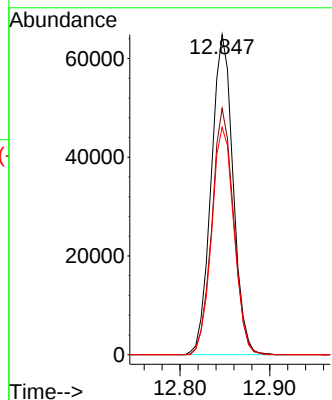
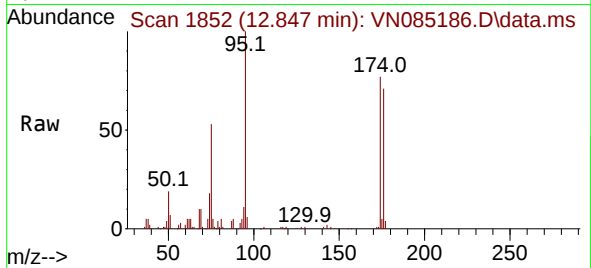




#62
4-Bromofluorobenzene
Concen: 47.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

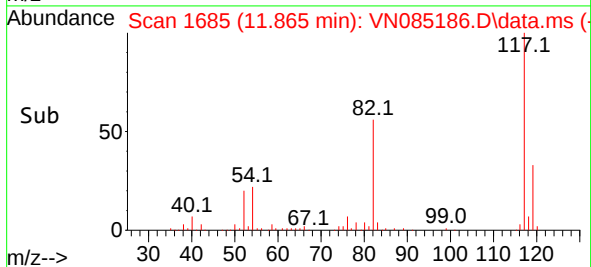
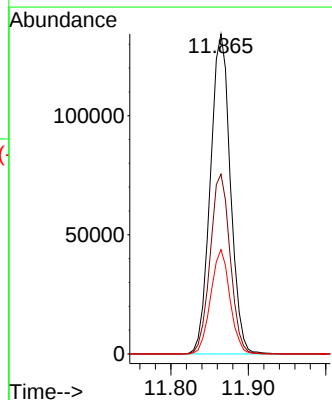
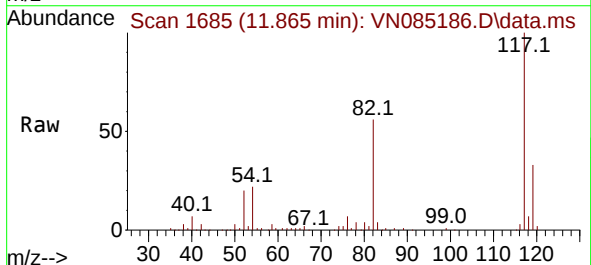
Instrument :
MSVOA_N
ClientSampleId :

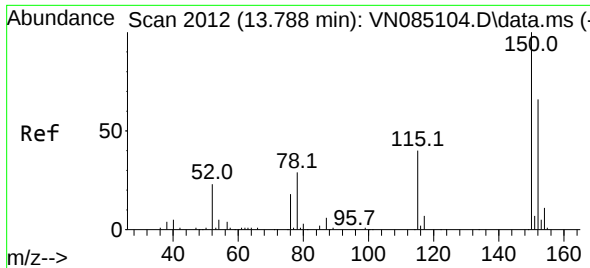
Tgt Ion: 95 Resp: 109576
Ion Ratio Lower Upper
95 100
174 76.7 0.0 146.6
176 72.5 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

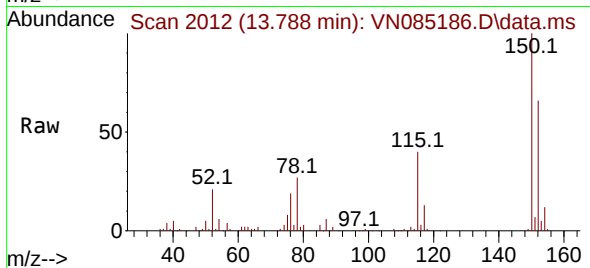
Tgt Ion: 117 Resp: 241017
Ion Ratio Lower Upper
117 100
82 56.2 46.0 69.0
119 32.6 25.6 38.4



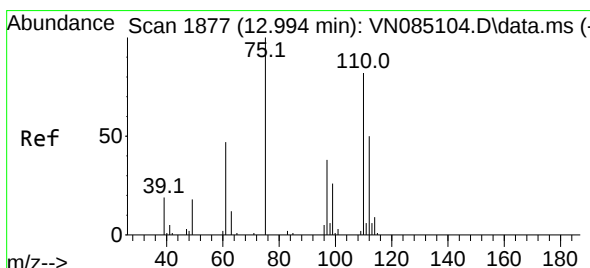
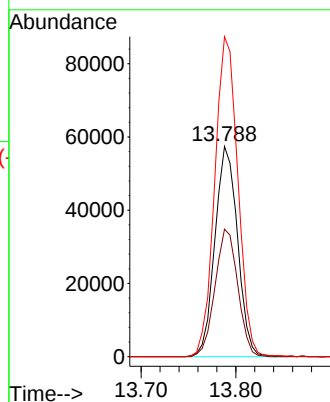
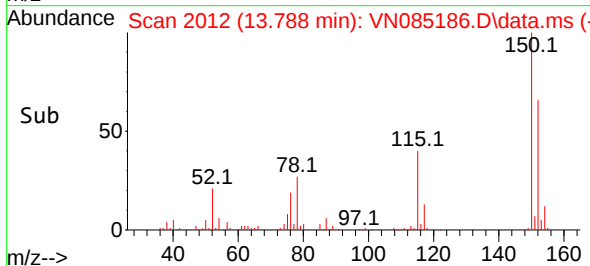


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085186.D
 Acq: 12 Dec 2024 12:58

Instrument :
 MSVOA_N
 ClientSampleId :

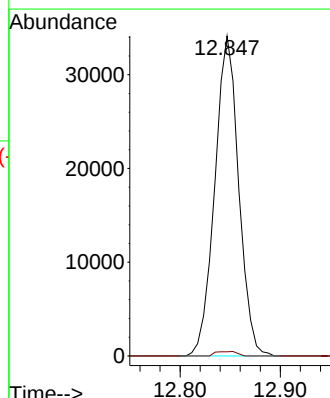
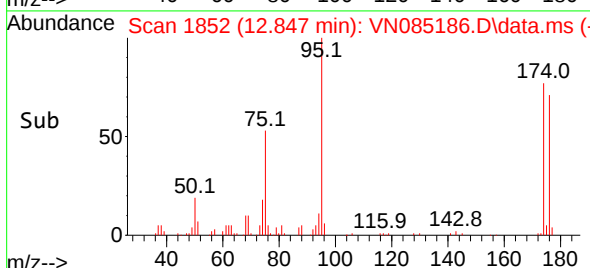
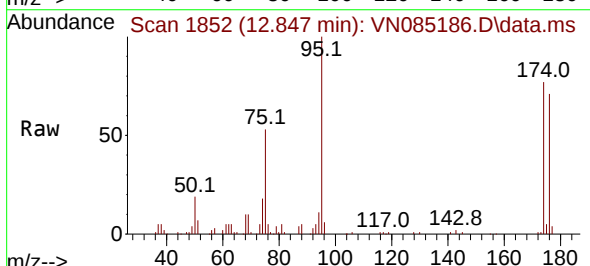


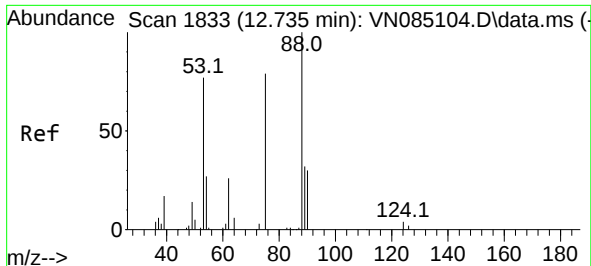
Tgt Ion:152 Resp: 95191
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.7 95.1
 150 155.9 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 32.641 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085186.D
 Acq: 12 Dec 2024 12:58

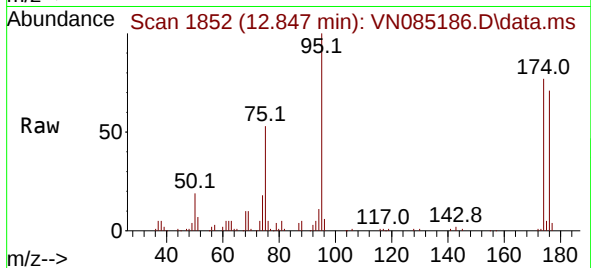
Tgt Ion: 75 Resp: 56517
 Ion Ratio Lower Upper
 75 100
 77 1.3 109.1 327.4#



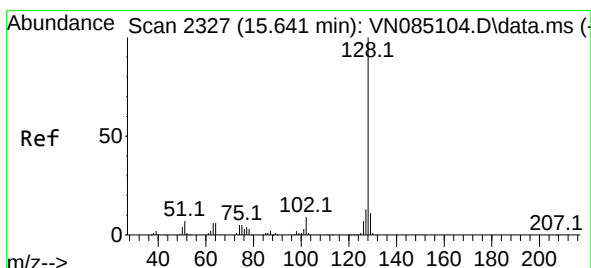
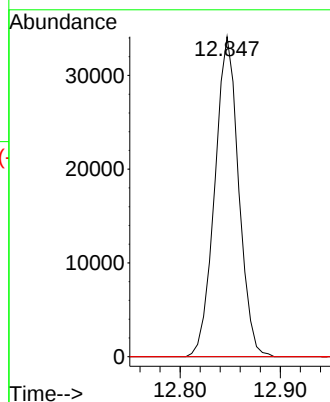
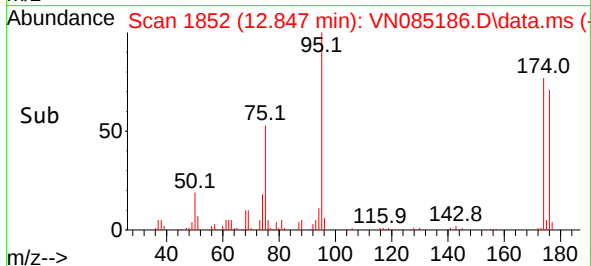


#81
trans-1,4-Dichloro-2-butene
Concen: 72.058 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58

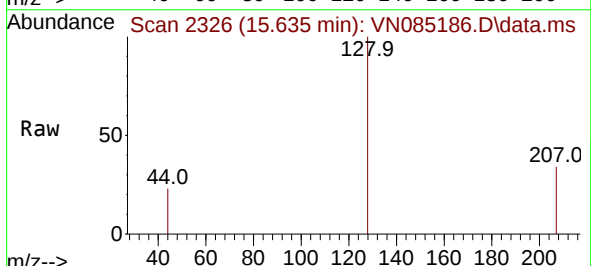
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 56517
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.237 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085186.D
Acq: 12 Dec 2024 12:58



Tgt Ion: 128 Resp: 1253
Ion Ratio Lower Upper
128 100
127 4.5 10.6 16.0#
129 4.6 8.6 12.8#

