

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085152.D
 Acq On : 09 Dec 2024 14:59
 Operator : JC\MD
 Sample : PB165391TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 10 05:02:28 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	135385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	250920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78597	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103828	53.840	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.680%	
35) Dibromofluoromethane	8.165	113	84687	50.048	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	299518	49.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	12.847	95	98715	43.529	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 87.060%	

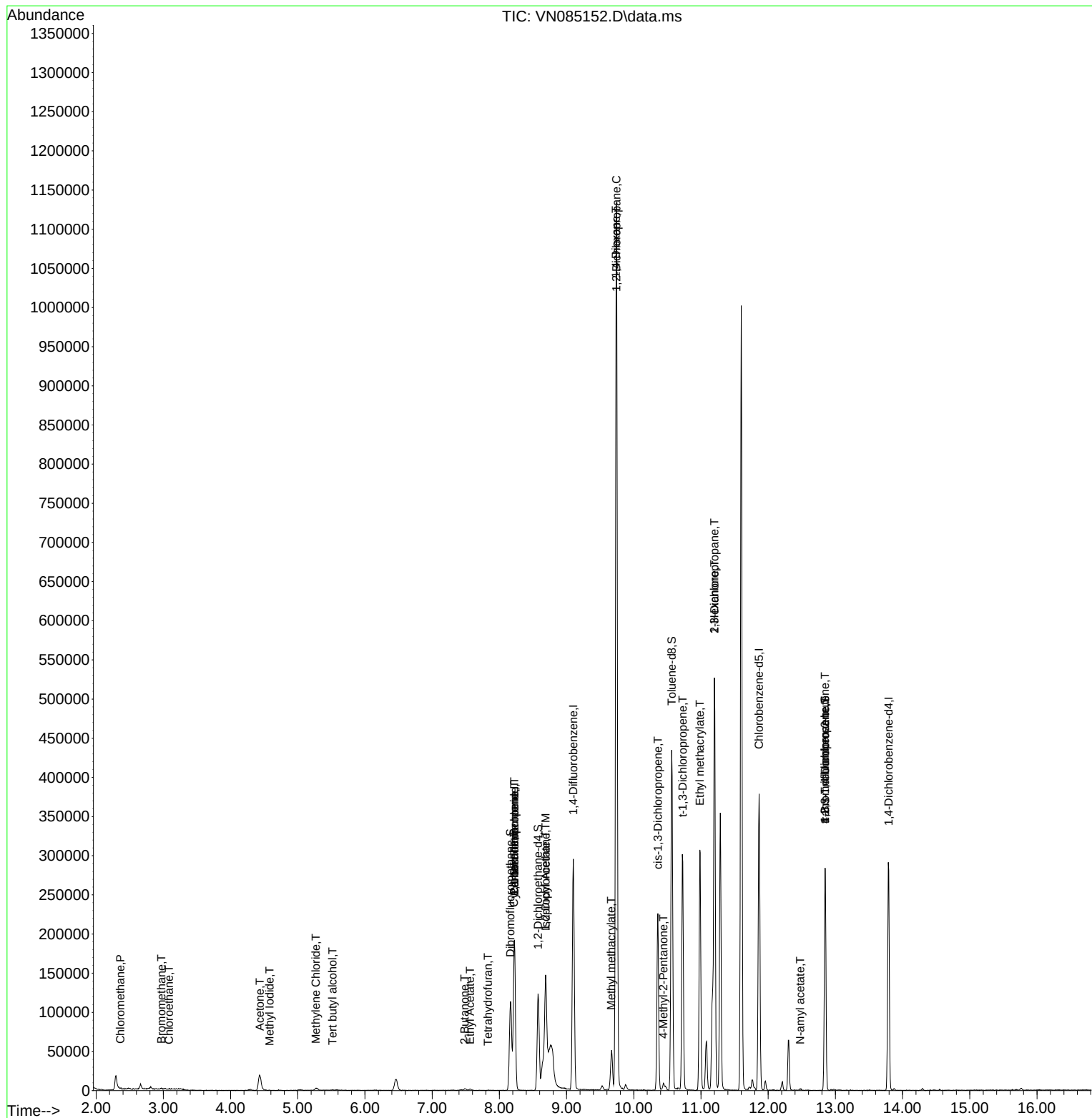
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	517	0.291	ug/l #	40
5) Bromomethane	2.971	94	373	0.417	ug/l #	75
6) Chloroethane	3.083	64	376	0.350	ug/l #	44
10) Methyl Iodide	4.583	142	542	0.266	ug/l #	39
11) Tert butyl alcohol	5.518	59	314	1.218	ug/l #	75
16) Acetone	4.436	43	37678	67.085	ug/l	95
20) Methylene Chloride	5.271	84	2457	1.434	ug/l #	80
25) 2-Butanone	7.482	43	3852	4.195	ug/l #	73
29) Tetrahydrofuran	7.830	42	282	0.494	ug/l #	31
31) Cyclohexane	8.218	56	3072	1.196	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11162	4.870	ug/l #	51
37) Ethyl Acetate	7.565	43	2908	1.396	ug/l #	84
38) Carbon Tetrachloride	8.224	117	15148	5.726	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	865	0.349	ug/l #	75
43) Isopropyl Acetate	8.688	43	208335	48.136	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	1358	0.761	ug/l #	45
48) Methyl methacrylate	9.665	41	3143	1.951	ug/l #	11
49) 1,4-Dioxane	9.735	88	65	2.327	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	10022	5.070	ug/l #	73
53) t-1,3-Dichloropropene	10.729	75	585	0.222	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	41120	14.703	ug/l #	63
56) Ethyl methacrylate	10.982	69	1384	0.593	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5614	1.996	ug/l #	42
59) 2-Hexanone	11.200	43	64100	43.354	ug/l #	55
74) N-amyl acetate	12.476	43	809	0.354	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	50890	35.597	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	50890	78.583	ug/l #	10

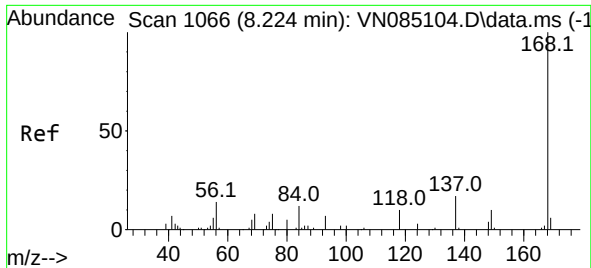
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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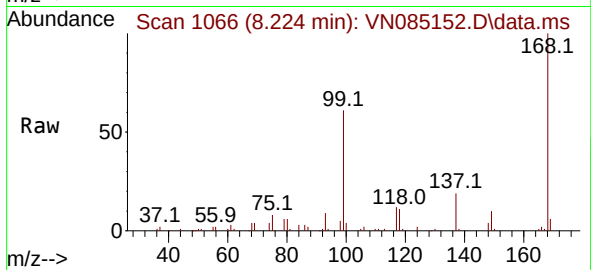
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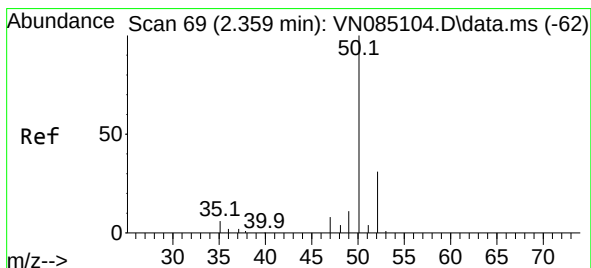
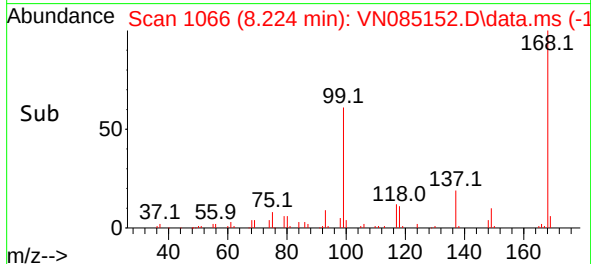
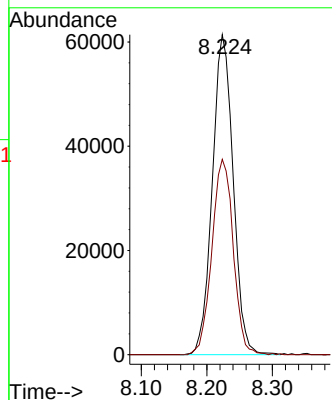


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

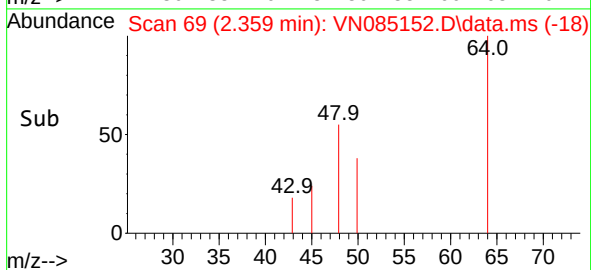
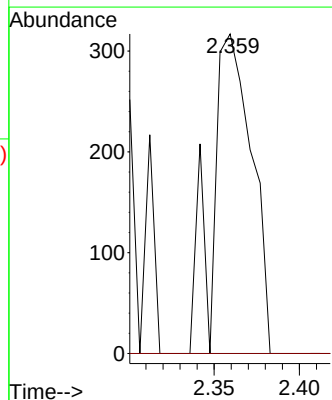
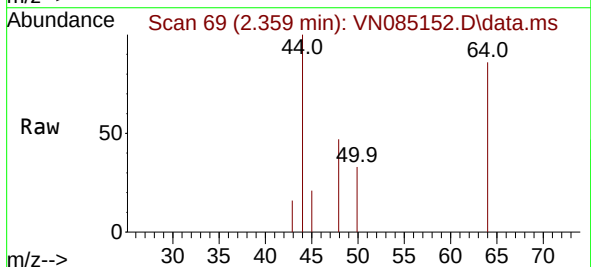


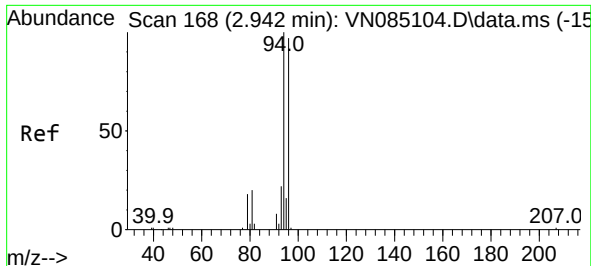
Tgt Ion:168 Resp: 135385
Ion Ratio Lower Upper
168 100
99 61.0 51.2 76.8



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

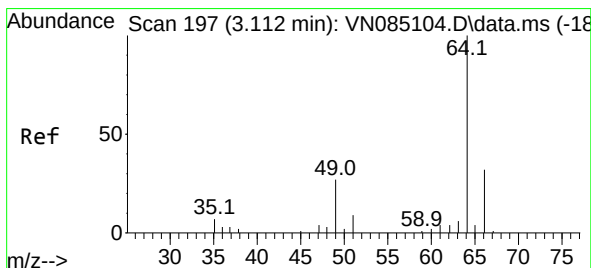
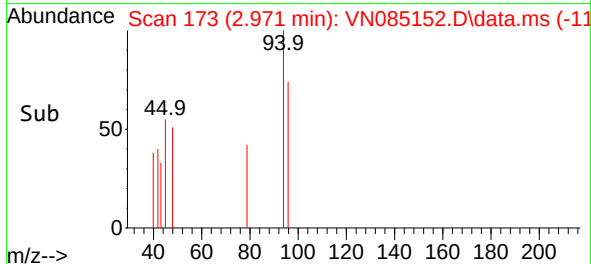
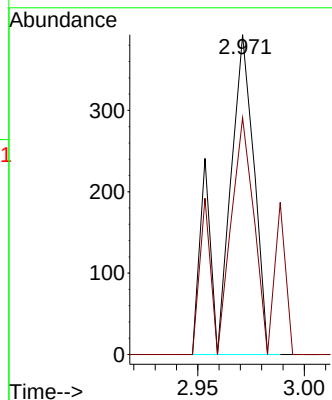
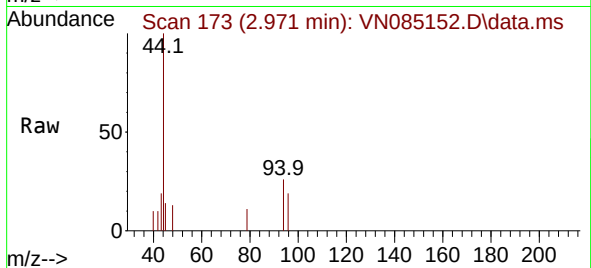




#5
Bromomethane
Concen: 0.417 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.070 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

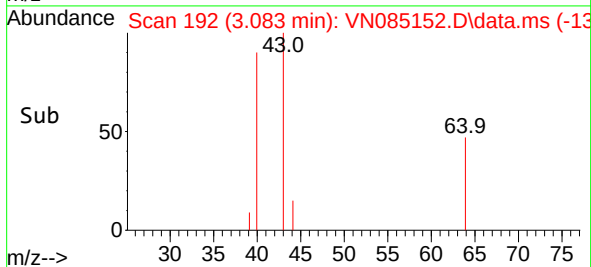
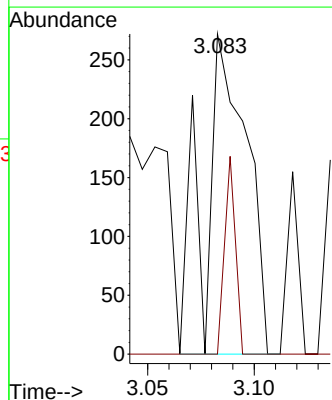
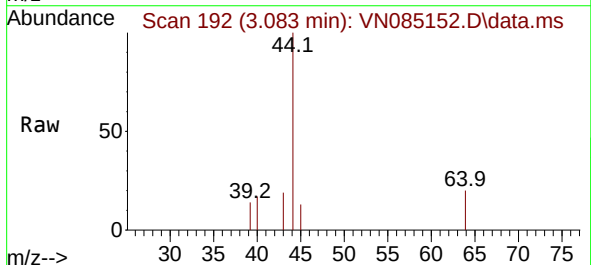
Instrument :
MSVOA_N
ClientSampleId :

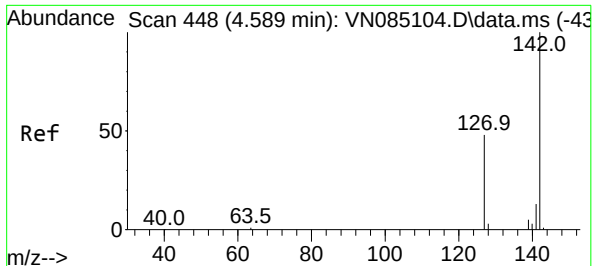
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 74.0 78.7 118.1#



#6
Chloroethane
Concen: 0.350 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.017 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

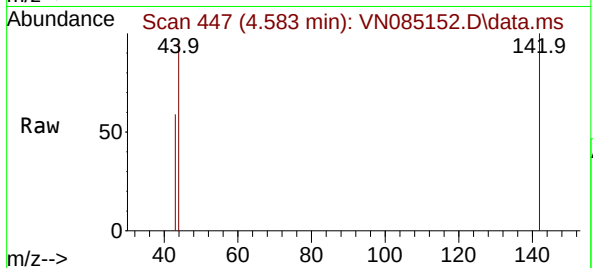
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



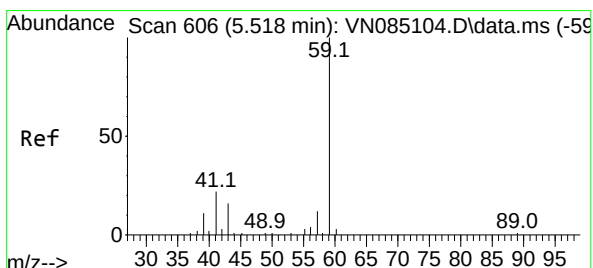
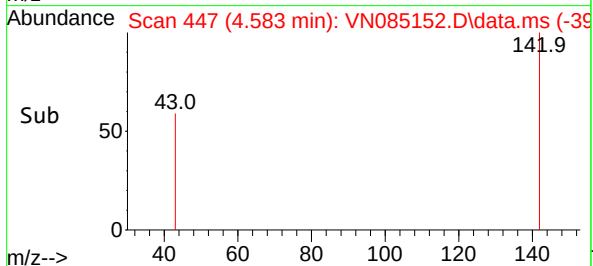
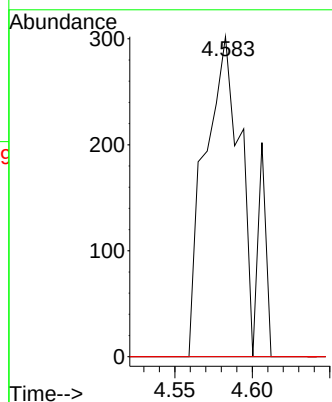


#10
Methyl Iodide
Concen: 0.266 ug/l
RT: 4.583 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

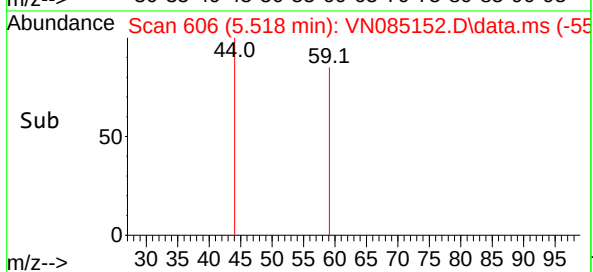
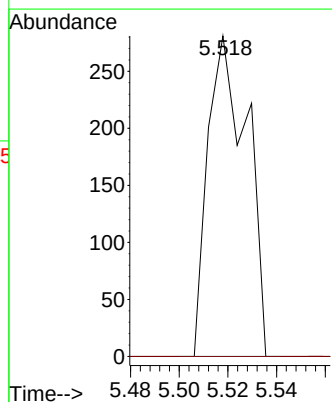
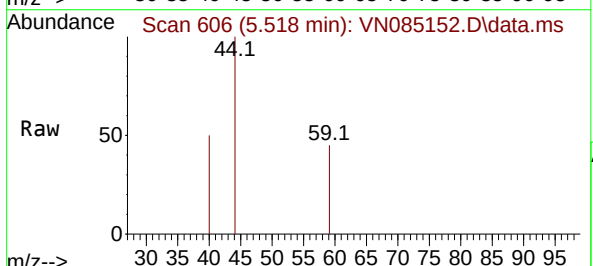


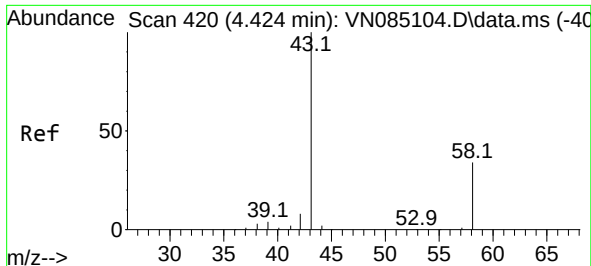
Tgt Ion:142 Resp: 542
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: 1.218 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

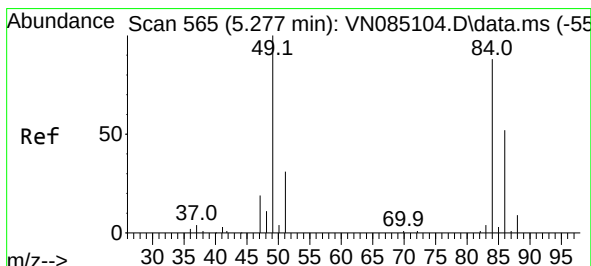
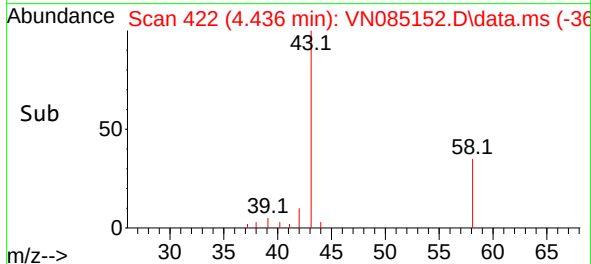
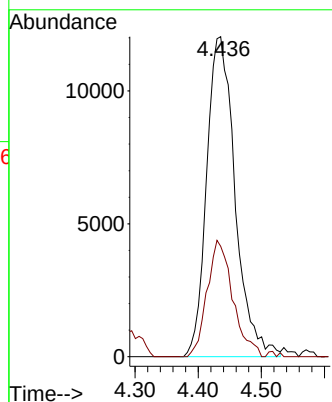
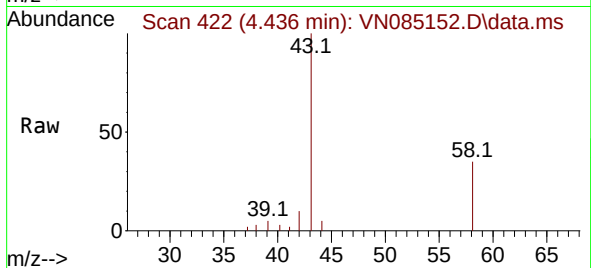




#16
Acetone
Concen: 67.085 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

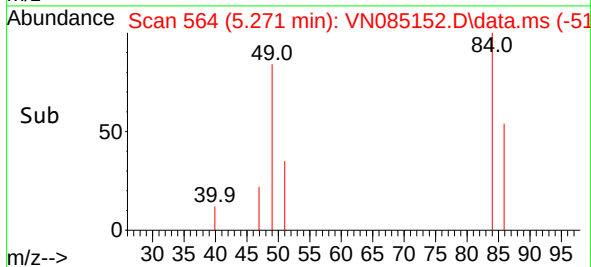
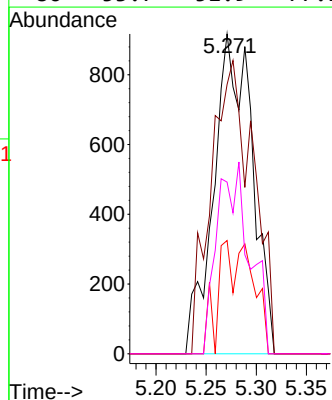
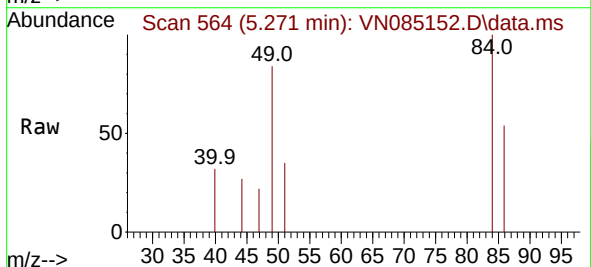
Instrument :
MSVOA_N
ClientSampleId :

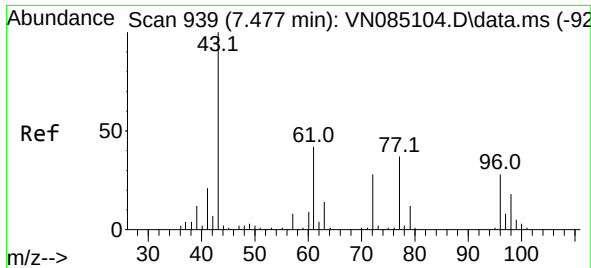
Tgt Ion: 43 Resp: 37678
Ion Ratio Lower Upper
43 100
58 34.5 25.4 38.2



#20
Methylene Chloride
Concen: 1.434 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 84 Resp: 2457
Ion Ratio Lower Upper
84 100
49 84.2 92.7 139.1#
51 35.4 29.4 44.2
86 53.7 51.9 77.9

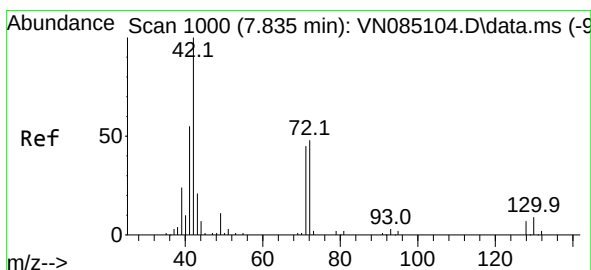
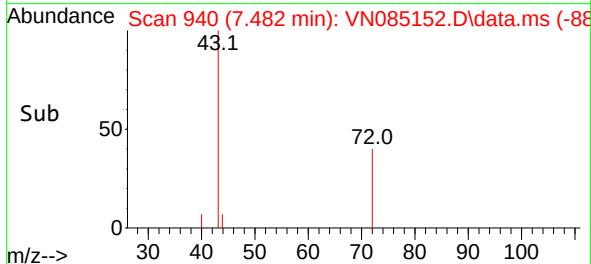
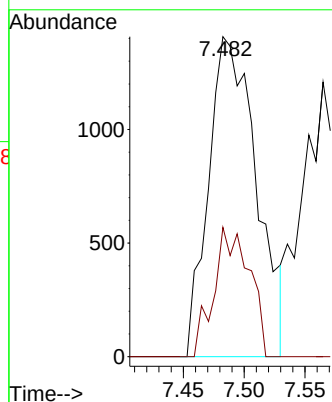
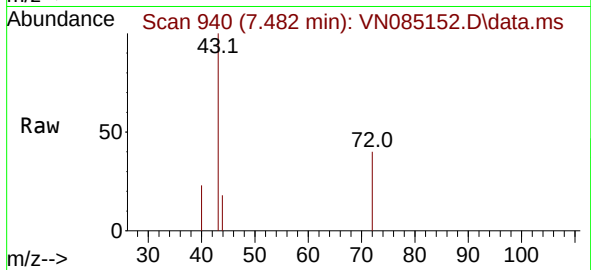




#25
2-Butanone
Concen: 4.195 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

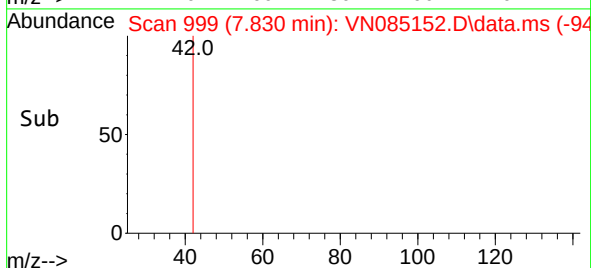
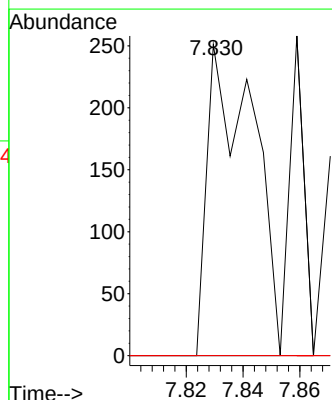
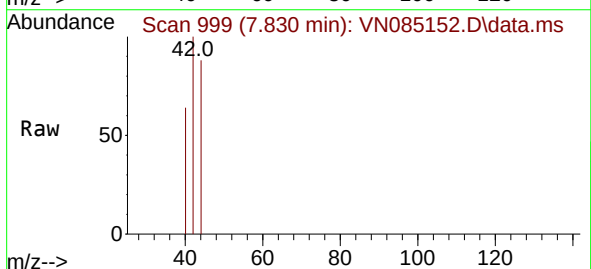
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MSVOA_N
ClientSampleId :

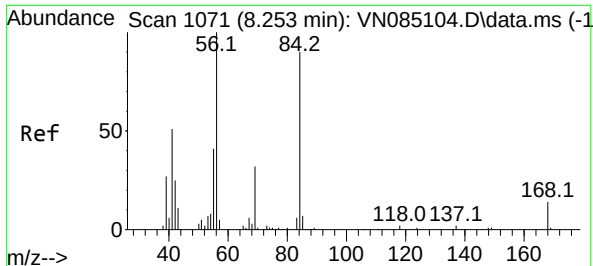
Tgt Ion: 43 Resp: 3852
Ion Ratio Lower Upper
43 100
72 40.4 21.4 32.0#



#29
Tetrahydrofuran
Concen: 0.494 ug/l
RT: 7.830 min Scan# 999
Delta R.T. -0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

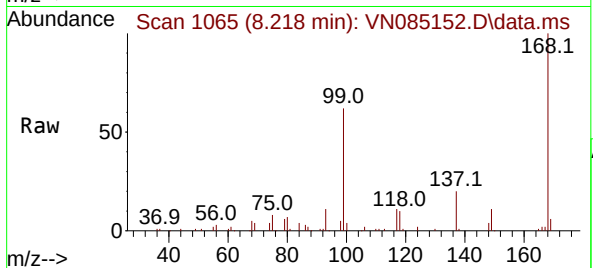
Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 35.0 52.4#



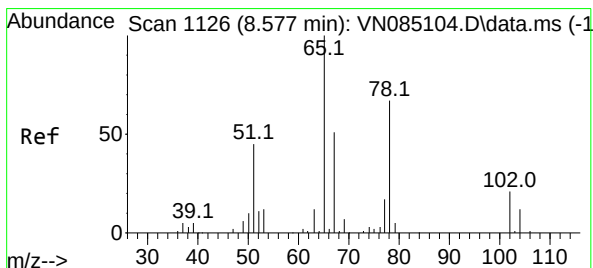
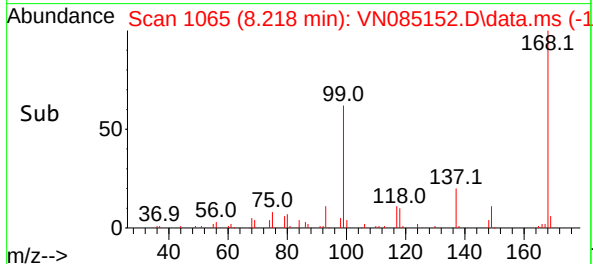
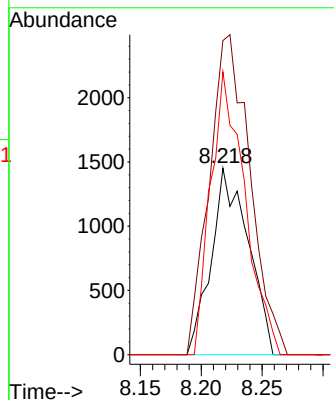


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

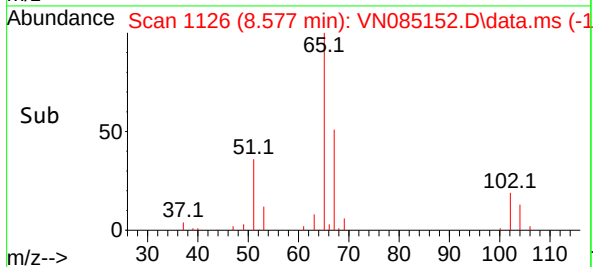
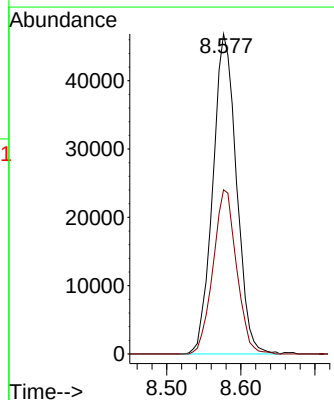
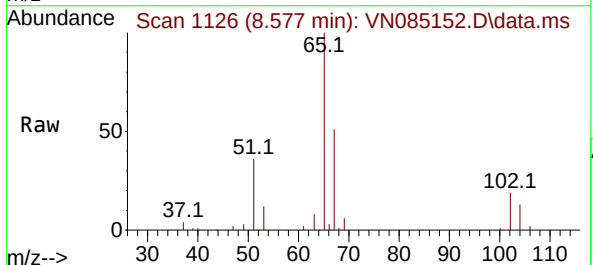


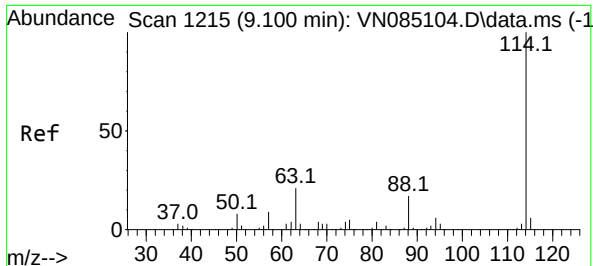
Tgt Ion: 56 Resp: 3072
Ion Ratio Lower Upper
56 100
69 168.4 24.6 36.8#
84 151.7 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 53.840 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 65 Resp: 103828
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.0

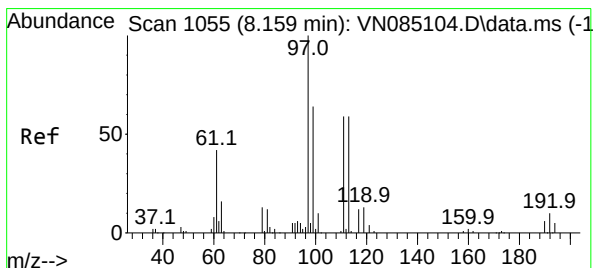
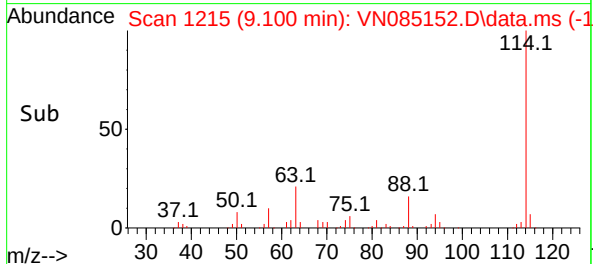
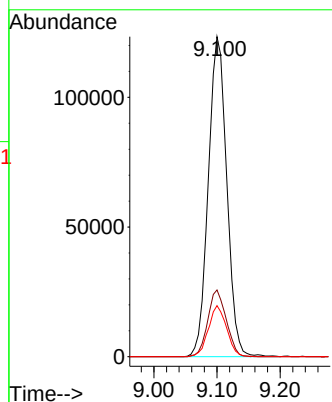
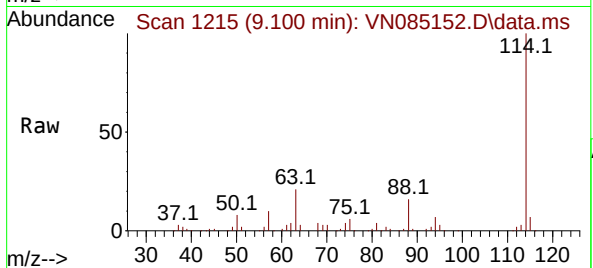




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

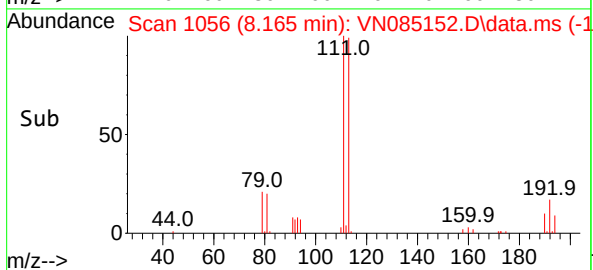
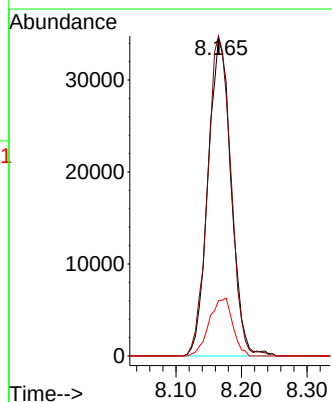
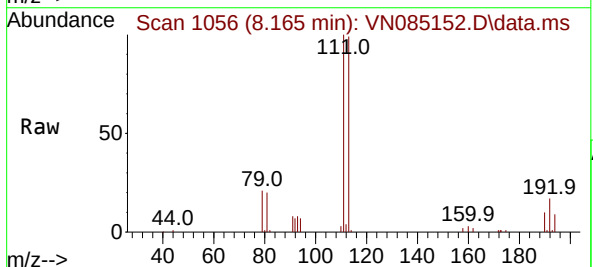
Instrument :
MSVOA_N
ClientSampleId :

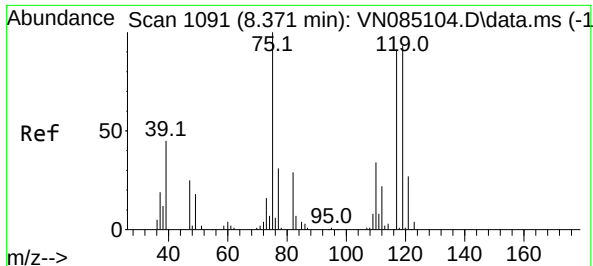
Tgt Ion:114 Resp: 250920
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 16.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.048 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion:113 Resp: 84687
Ion Ratio Lower Upper
113 100
111 101.3 82.0 123.0
192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085152.D

Acq: 09 Dec 2024 14:59

Instrument :

MSVOA_N

ClientSampleId :

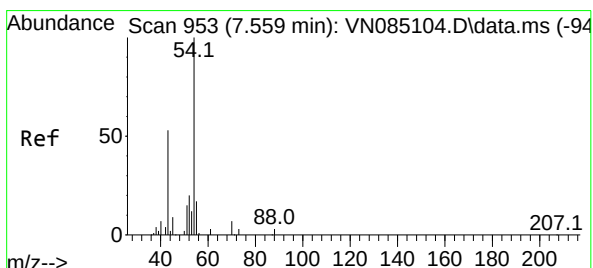
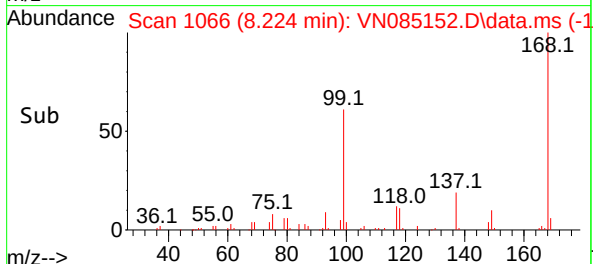
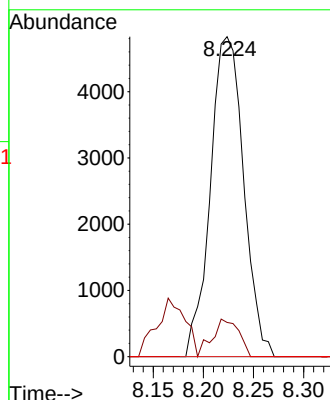
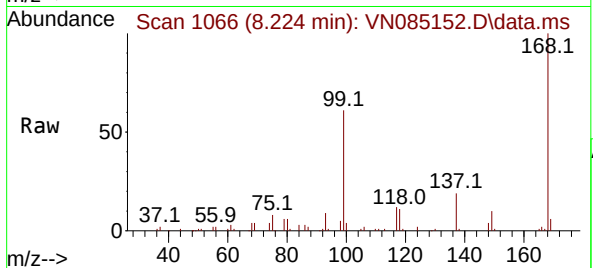
Tgt Ion: 75 Resp: 11162

Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.6#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 1.396 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.012 min

Lab File: VN085152.D

Acq: 09 Dec 2024 14:59

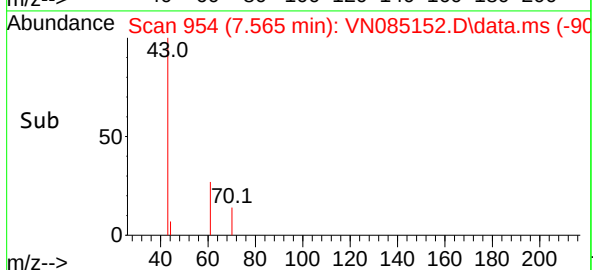
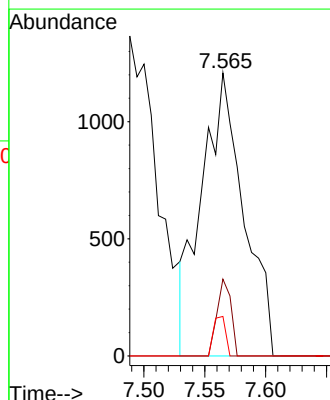
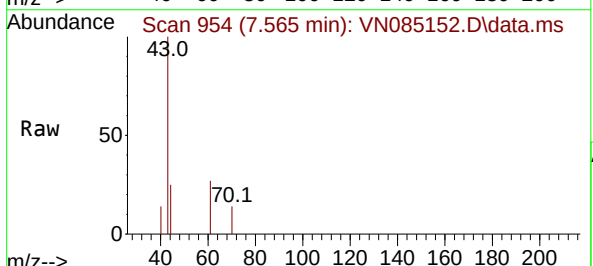
Tgt Ion: 43 Resp: 2908

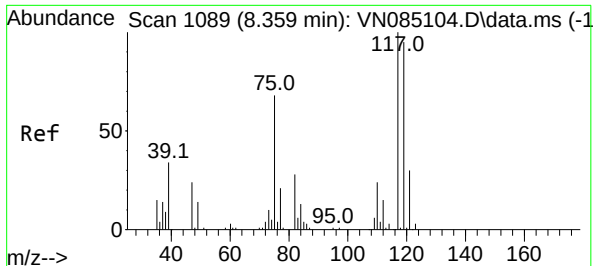
Ion Ratio Lower Upper

43 100

61 8.9 11.7 17.5#

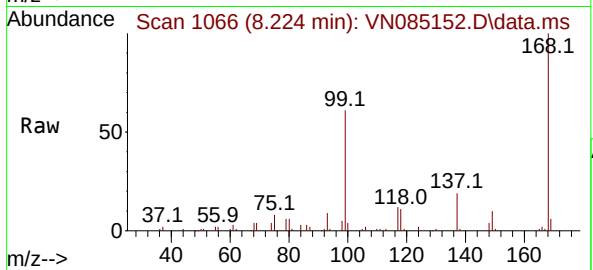
70 4.0 9.3 13.9#



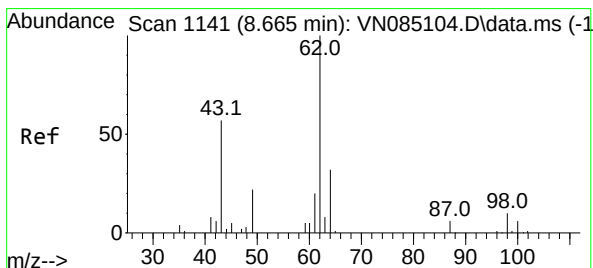
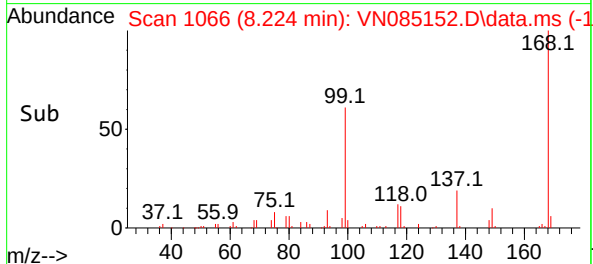
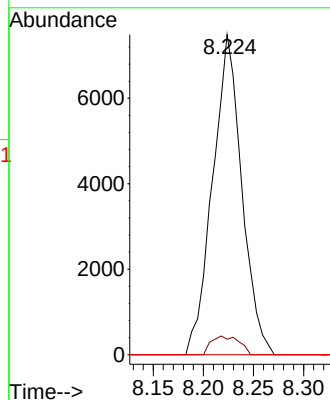


#38
Carbon Tetrachloride
Concen: 5.726 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

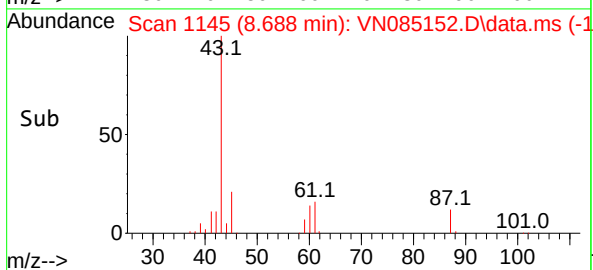
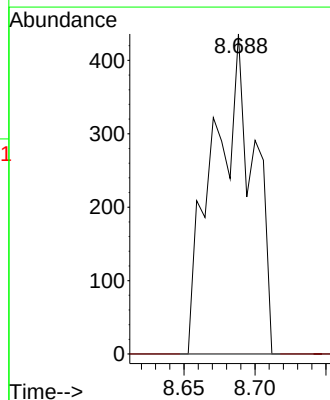
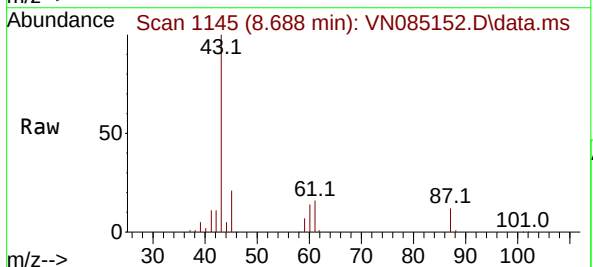


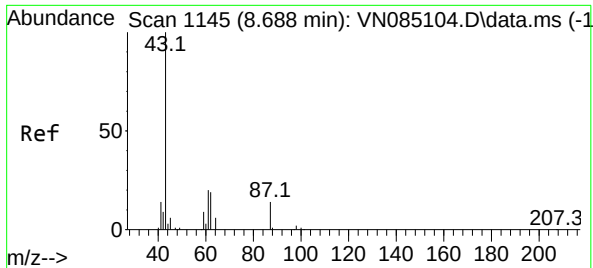
Tgt Ion:117 Resp: 15148
Ion Ratio Lower Upper
117 100
119 4.8 78.6 117.8#
121 0.0 24.2 36.2#



#42
1,2-Dichloroethane
Concen: 0.349 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.023 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

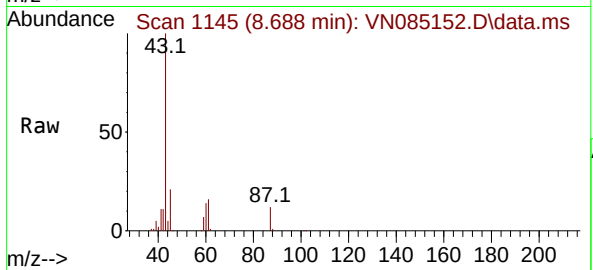
Tgt Ion: 62 Resp: 865
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



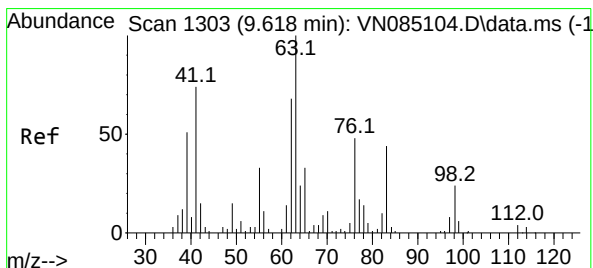
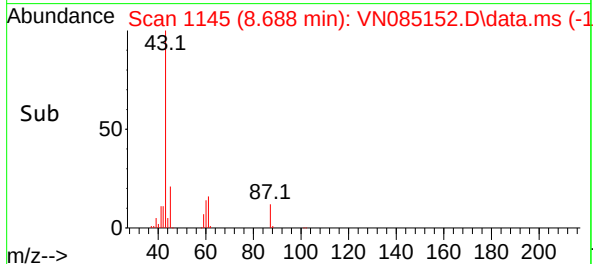
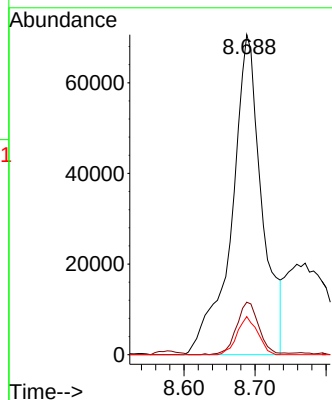


#43
Isopropyl Acetate
Concen: 48.136 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

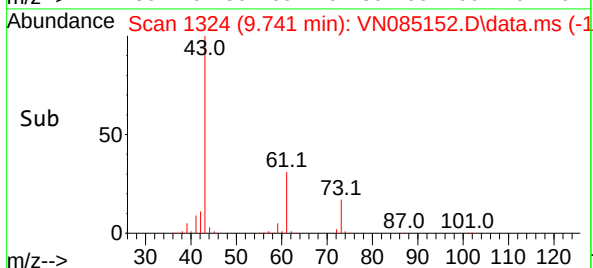
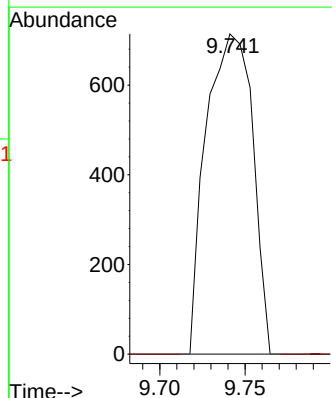
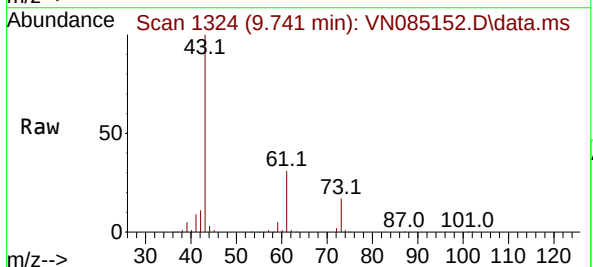


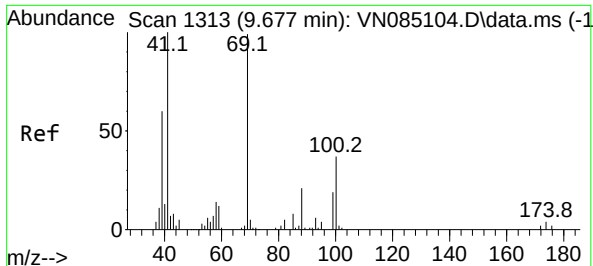
Tgt Ion: 43 Resp: 208335
Ion Ratio Lower Upper
43 100
61 12.2 20.6 30.8#
87 8.1 11.0 16.4#



#45
1,2-Dichloropropane
Concen: 0.761 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 63 Resp: 1358
Ion Ratio Lower Upper
63 100
65 0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.951 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN085152.D

Acq: 09 Dec 2024 14:59

Instrument :

MSVOA_N

ClientSampleId :

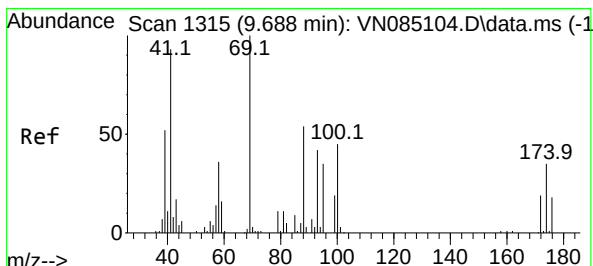
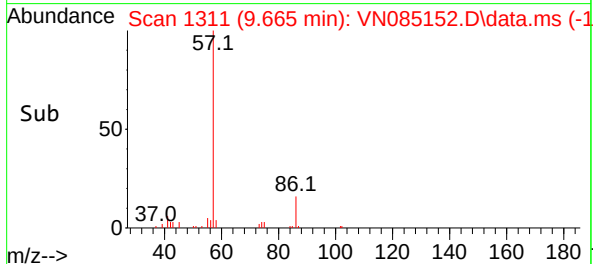
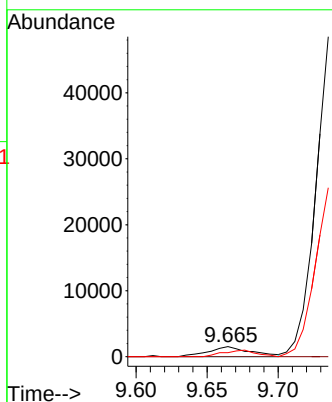
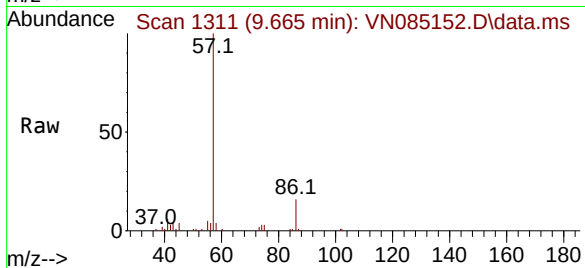
Tgt Ion: 41 Resp: 3143

Ion Ratio Lower Upper

41 100

69 0.0 73.2 109.8#

39 0.0 46.2 69.4#



#49

1,4-Dioxane

Concen: 2.327 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN085152.D

Acq: 09 Dec 2024 14:59

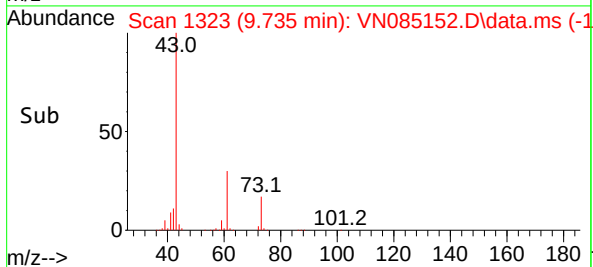
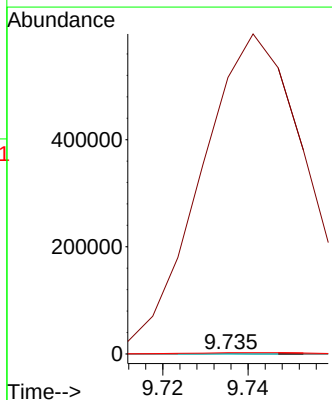
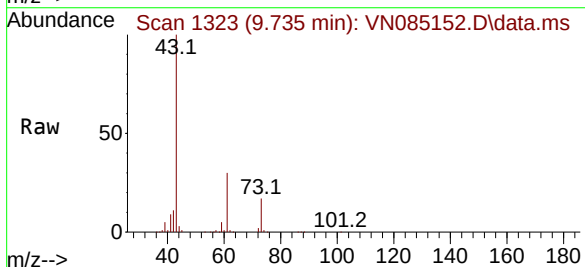
Tgt Ion: 88 Resp: 65

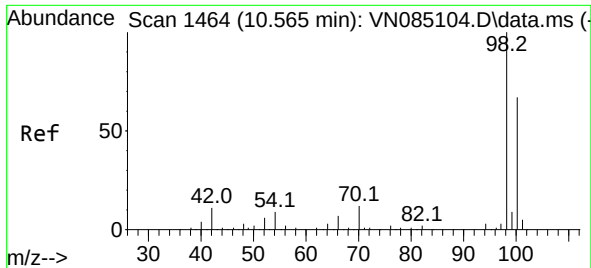
Ion Ratio Lower Upper

88 100

43 1645616.9 16.7 25.1#

58 7790.8 56.5 84.7#

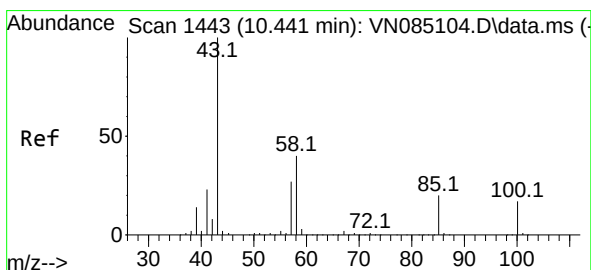
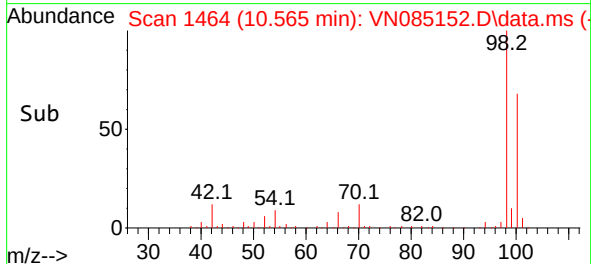
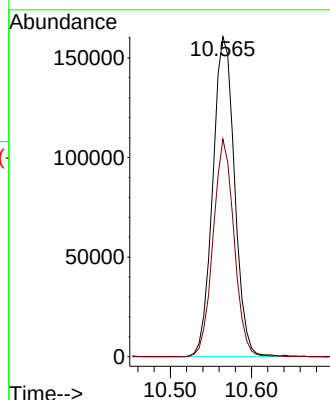
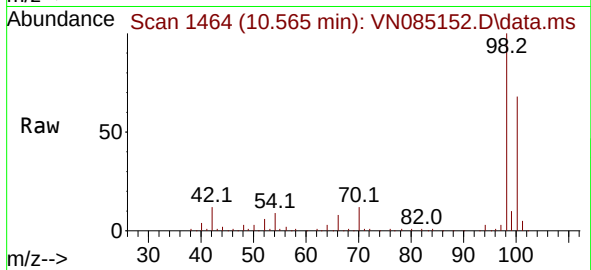




#50
Toluene-d8
Concen: 49.392 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

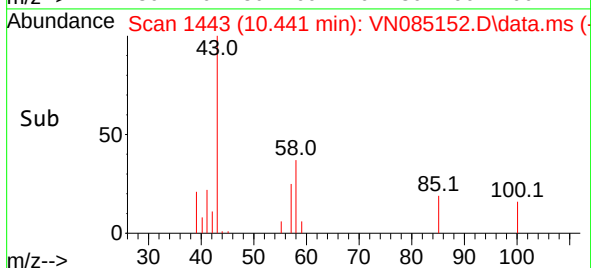
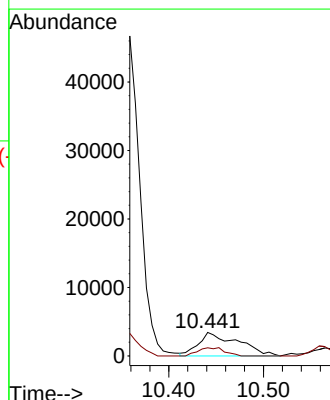
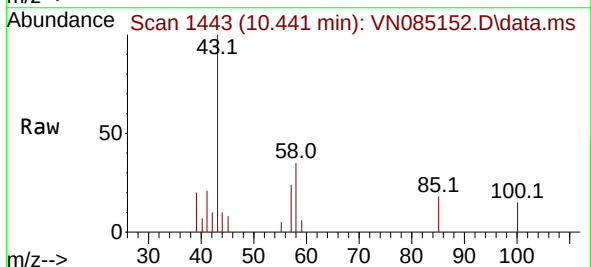
Instrument :
MSVOA_N
ClientSampleId :

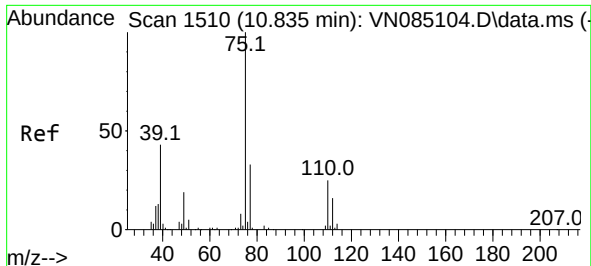
Tgt Ion: 98 Resp: 299518
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 5.070 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

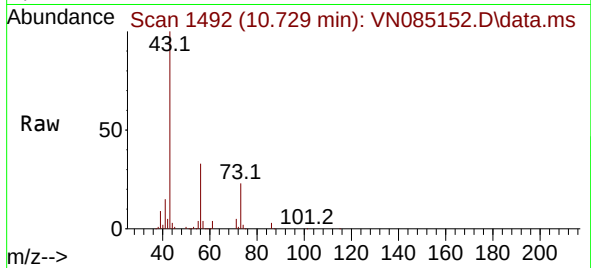
Tgt Ion: 43 Resp: 10022
Ion Ratio Lower Upper
43 100
58 23.6 32.1 48.1#



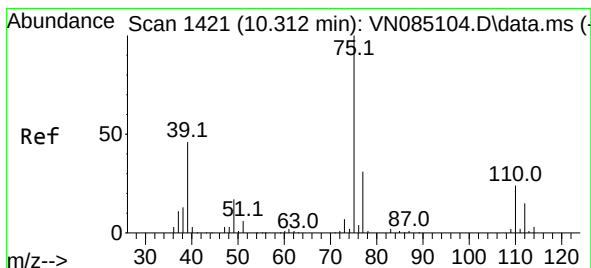
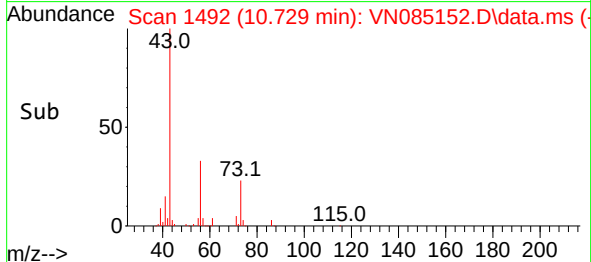
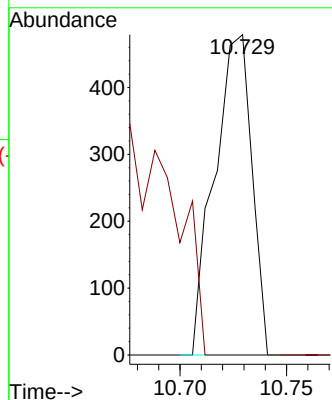


#53
t-1,3-Dichloropropene
Concen: 0.222 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Instrument :
MSVOA_N
ClientSampleId :

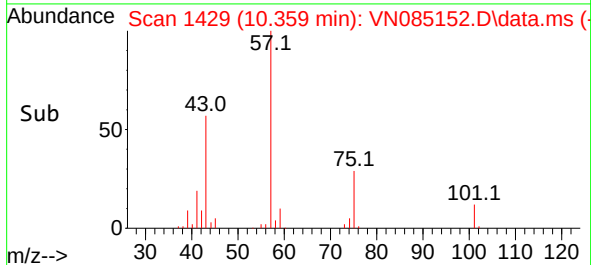
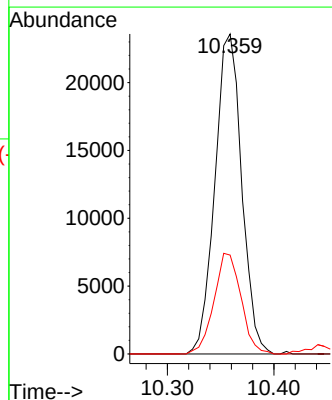
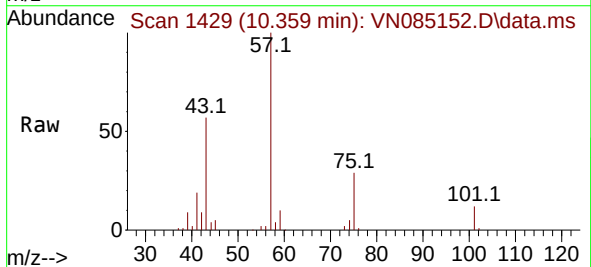


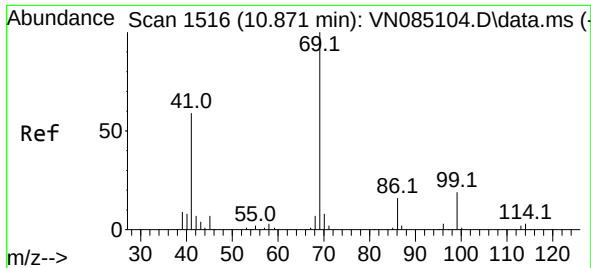
Tgt Ion: 75 Resp: 585
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#



#54
cis-1,3-Dichloropropene
Concen: 14.703 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 75 Resp: 41120
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 30.9 37.6 56.4#

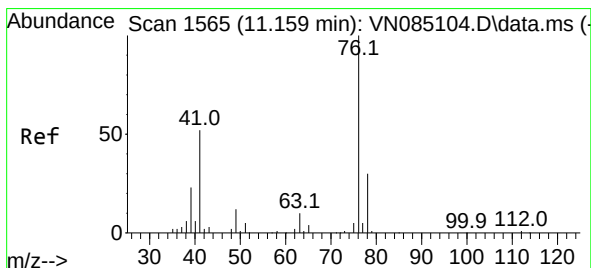
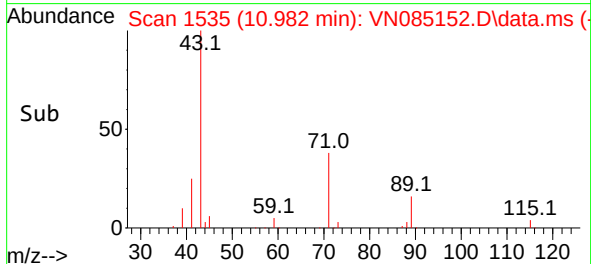
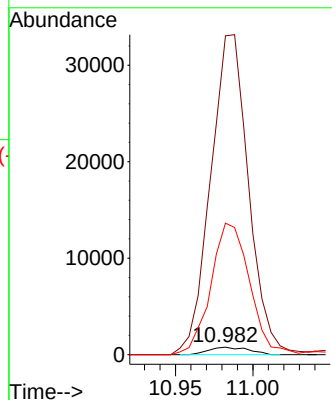
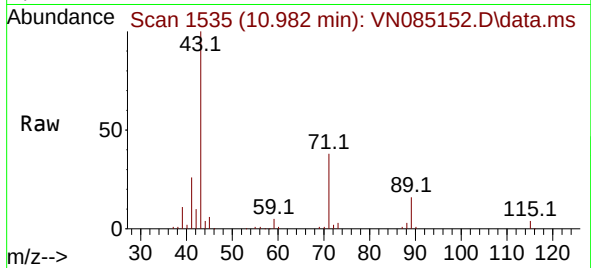




#56
Ethyl methacrylate
Concen: 0.593 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

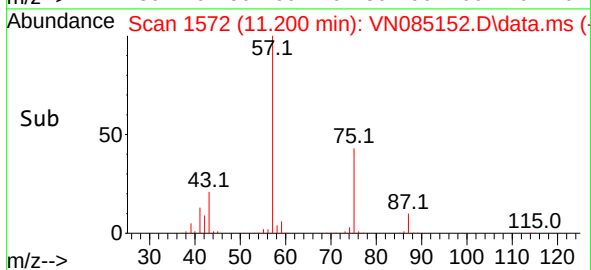
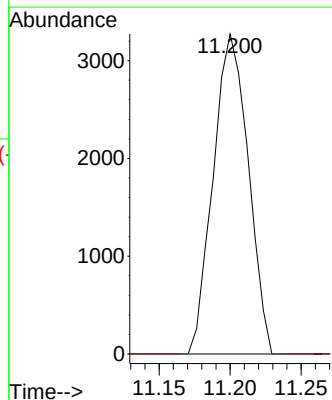
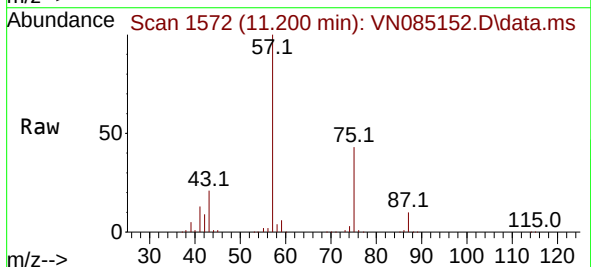
Instrument :
MSVOA_N
ClientSampleId :

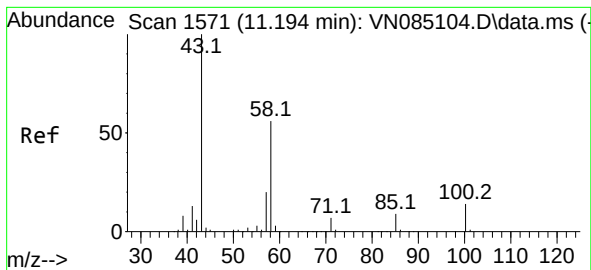
Tgt Ion: 69 Resp: 1384
Ion Ratio Lower Upper
69 100
41 4091.3 50.0 75.0#
39 1711.3 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.996 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 76 Resp: 5614
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

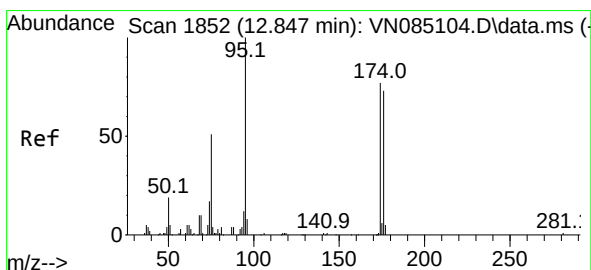
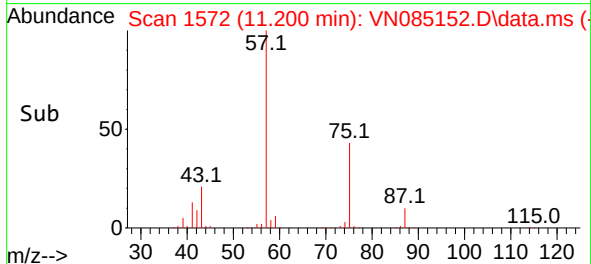
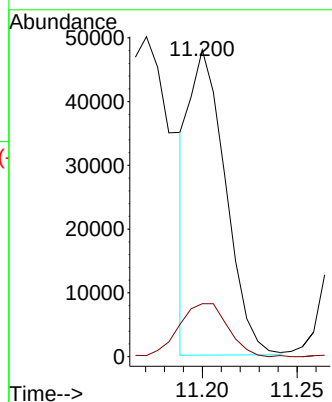
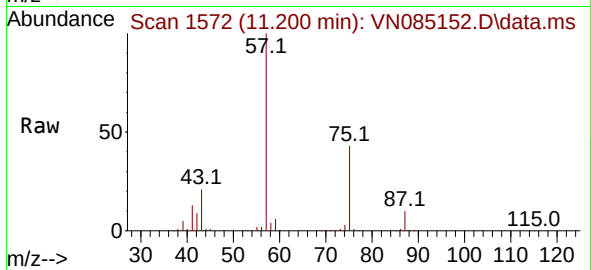




#59
2-Hexanone
Concen: 43.354 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

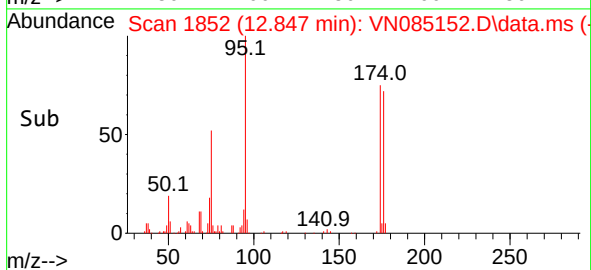
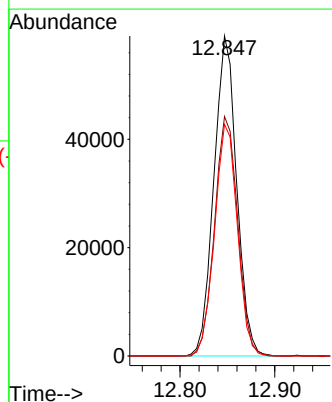
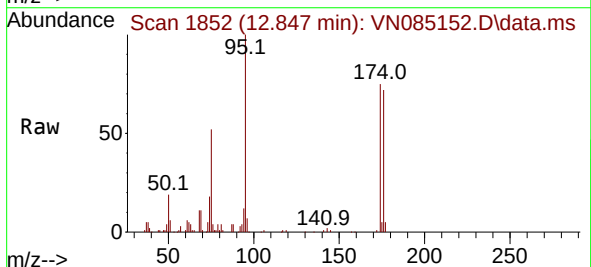
Instrument :
MSVOA_N
ClientSampleId :

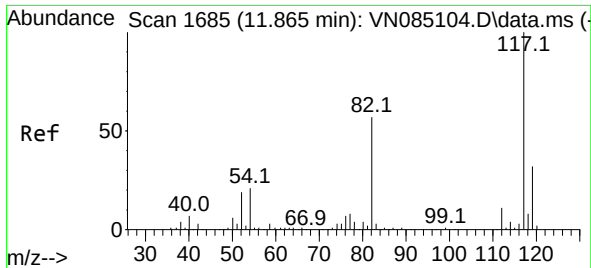
Tgt Ion: 43 Resp: 64100
Ion Ratio Lower Upper
43 100
58 23.5 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 43.529 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion: 95 Resp: 98715
Ion Ratio Lower Upper
95 100
174 76.1 0.0 146.6
176 72.6 0.0 141.8

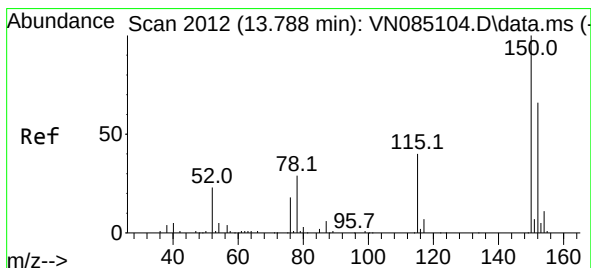
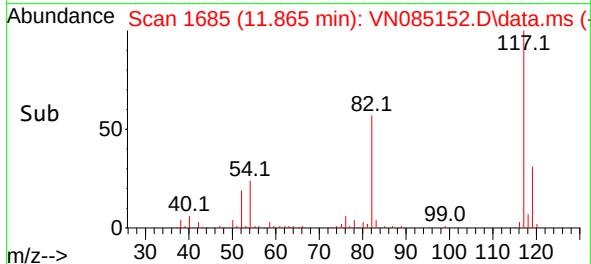
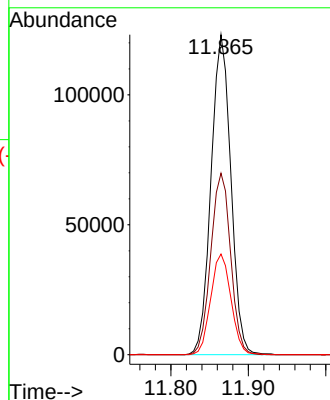
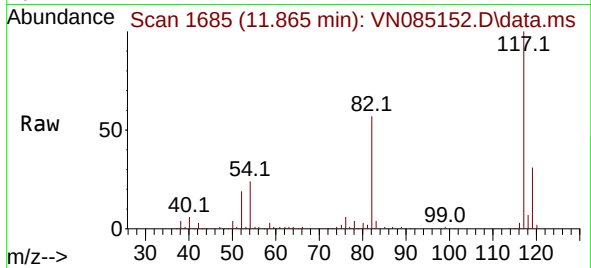




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

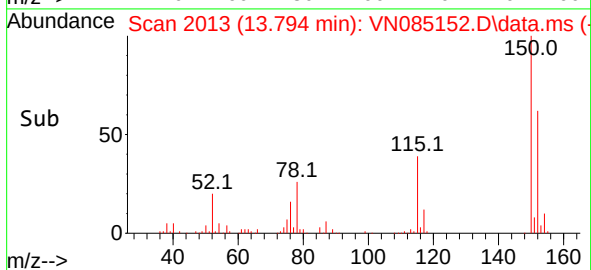
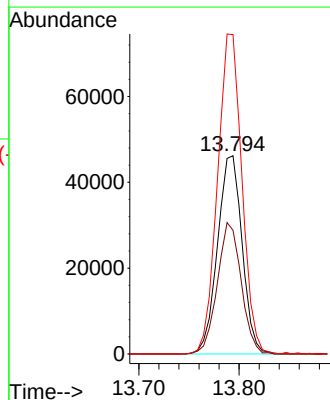
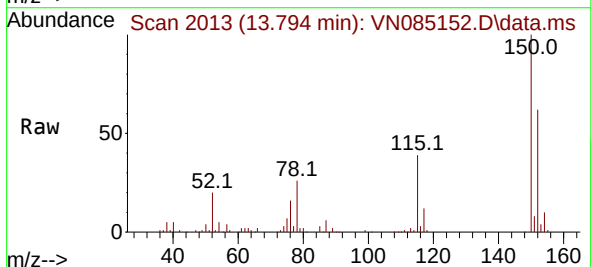
Instrument :
MSVOA_N
ClientSampleId :

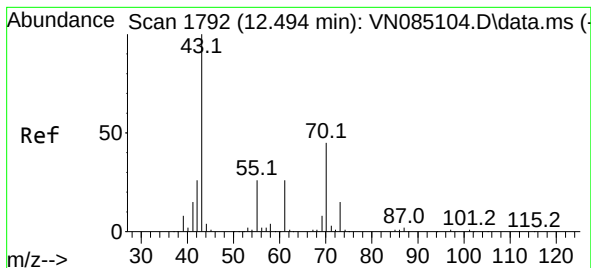
Tgt Ion:117 Resp: 218767
Ion Ratio Lower Upper
117 100
82 56.7 46.0 69.0
119 31.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085152.D
Acq: 09 Dec 2024 14:59

Tgt Ion:152 Resp: 78597
Ion Ratio Lower Upper
152 100
115 64.2 31.7 95.1
150 159.9 0.0 351.4





#74

N-amy1 acetate

Concen: 0.354 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN085152.D

Acq: 09 Dec 2024 14:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 809

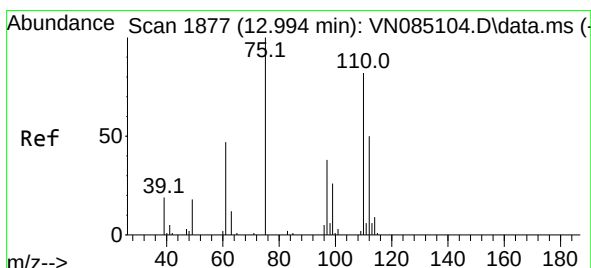
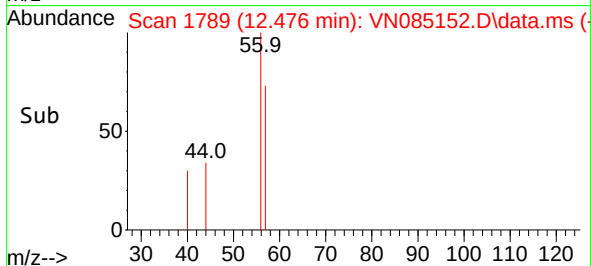
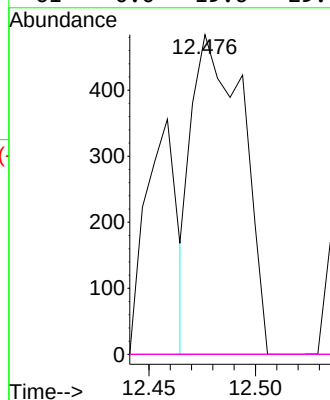
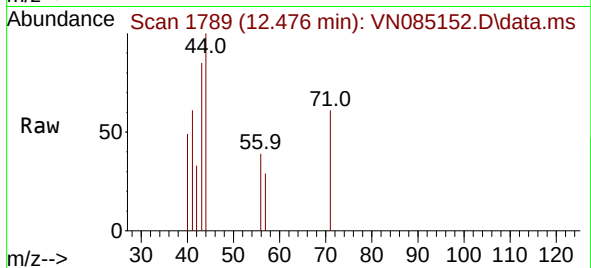
Ion Ratio Lower Upper

43 100

70 0.0 34.6 51.8#

55 0.0 20.5 30.7#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 35.597 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085152.D

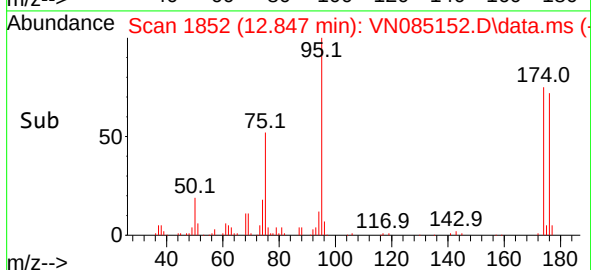
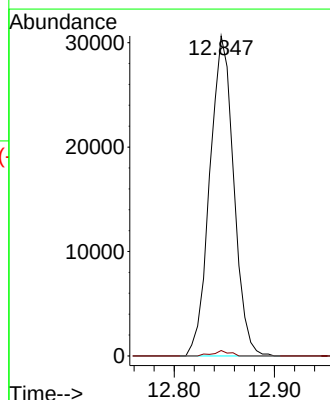
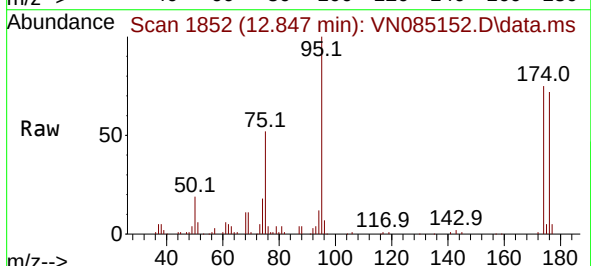
Acq: 09 Dec 2024 14:59

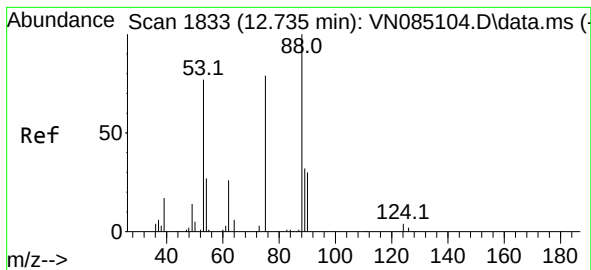
Tgt Ion: 75 Resp: 50890

Ion Ratio Lower Upper

75 100

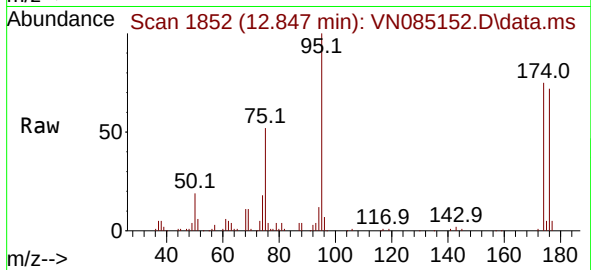
77 1.2 109.1 327.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.583 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085152.D
 Acq: 09 Dec 2024 14:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 50890
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 37.9 56.9#

