

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120424\
 Data File : VN085094.D
 Acq On : 04 Dec 2024 15:13
 Operator : JC\MD
 Sample : P5069-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 04 22:07:55 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

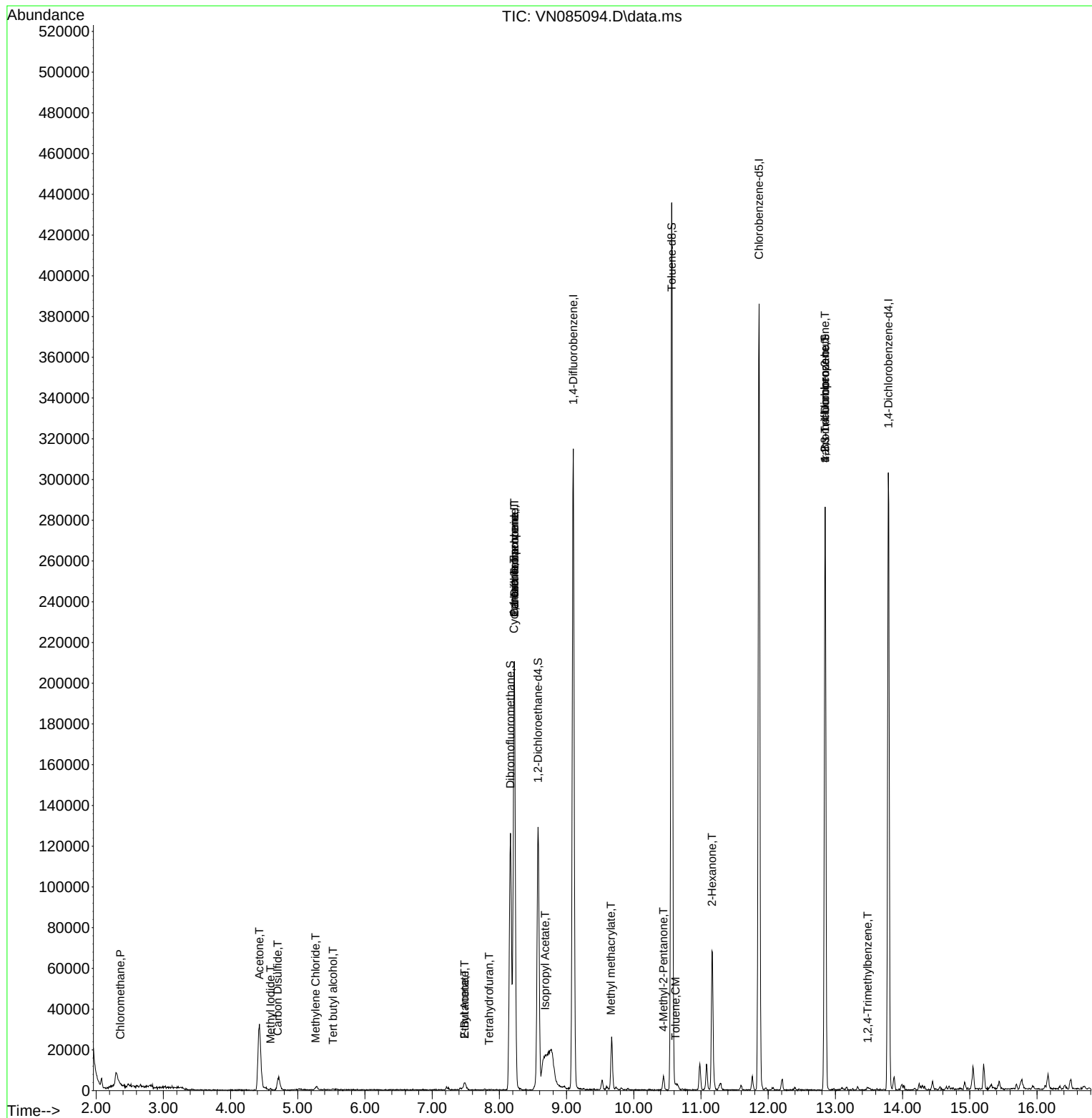
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108466	51.615	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	103.240%	
35) Dibromofluoromethane	8.165	113	90794	49.850	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.700%	
50) Toluene-d8	10.565	98	301818	46.240	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	92.480%	
62) 4-Bromofluorobenzene	12.847	95	100233	41.063	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	82.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	601	0.311	ug/l #	80
10) Methyl Iodide	4.595	142	800	0.360	ug/l #	87
11) Tert butyl alcohol	5.524	59	364	1.296	ug/l #	75
16) Acetone	4.430	43	60147	98.277	ug/l	97
17) Carbon Disulfide	4.700	76	1037	0.224	ug/l #	77
18) Methyl Acetate	5.030	43	839	Below Cal	#	50
20) Methylene Chloride	5.265	84	1292	0.692	ug/l #	75
25) 2-Butanone	7.483	43	7166	7.162	ug/l	96
29) Tetrahydrofuran	7.847	42	176	0.283	ug/l #	31
31) Cyclohexane	8.218	56	3260	1.165	ug/l #	3
36) 1,1-Dichloropropene	8.224	75	12222	4.954	ug/l #	50
37) Ethyl Acetate	7.483	43	7166	3.195	ug/l #	67
38) Carbon Tetrachloride	8.224	117	16603	5.830	ug/l #	15
43) Isopropyl Acetate	8.683	43	23608	5.068	ug/l #	55
48) Methyl methacrylate	9.659	41	1296	0.748	ug/l #	34
51) 4-Methyl-2-Pentanone	10.441	43	4738	2.227	ug/l	89
52) Toluene	10.624	92	1070	0.232	ug/l	81
59) 2-Hexanone	11.165	43	52394	32.923	ug/l #	23
76) 1,2,3-Trichloropropane	12.847	75	51997	34.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51997	76.468	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	1349	0.268	ug/l	84

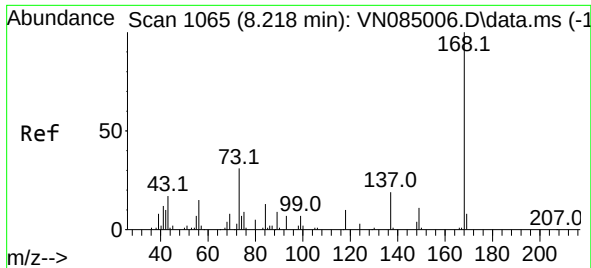
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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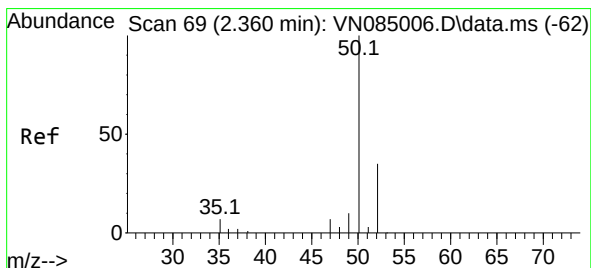
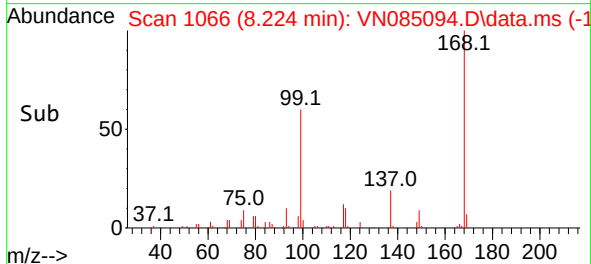
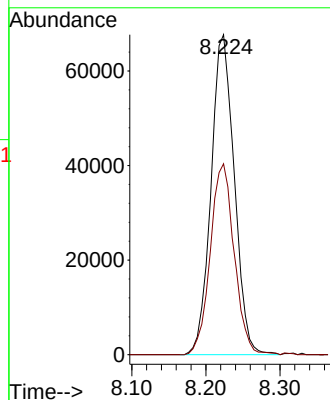
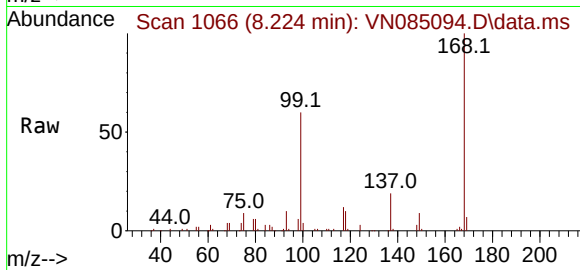




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

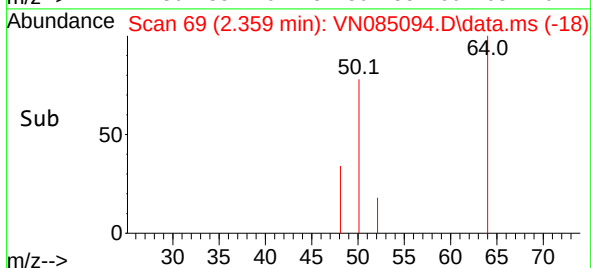
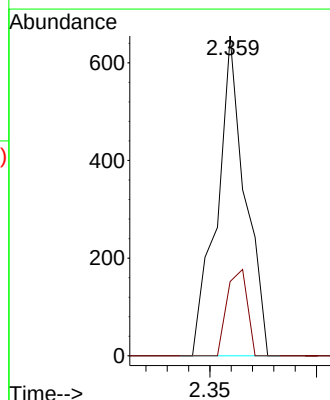
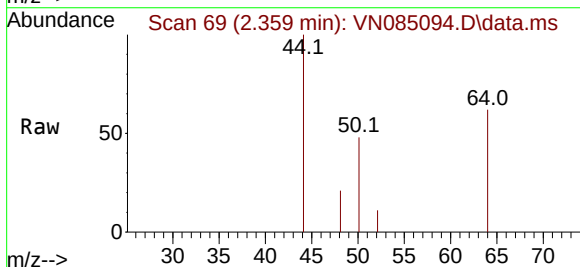
Instrument :
MSVOA_N
ClientSampleId :

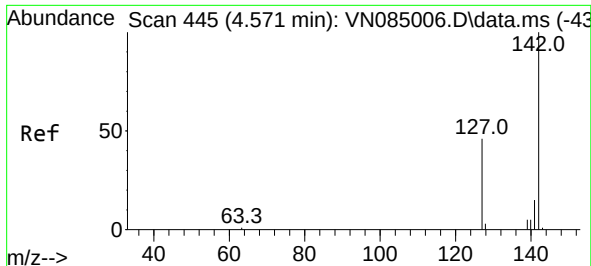
Tgt Ion:168 Resp: 147528
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

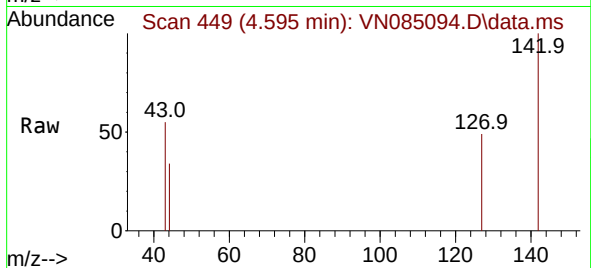
Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 23.2 27.8 41.8#



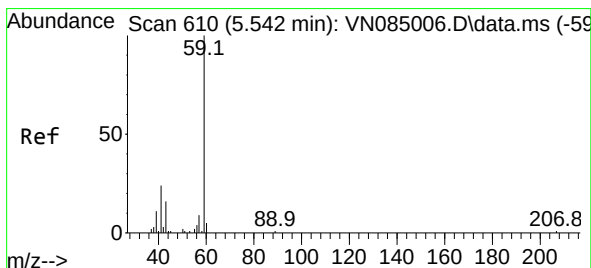
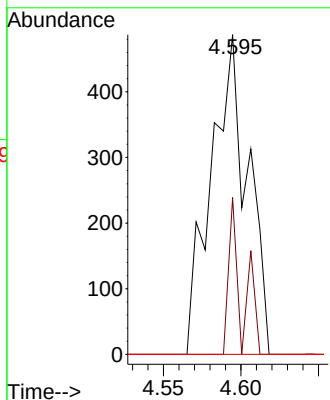
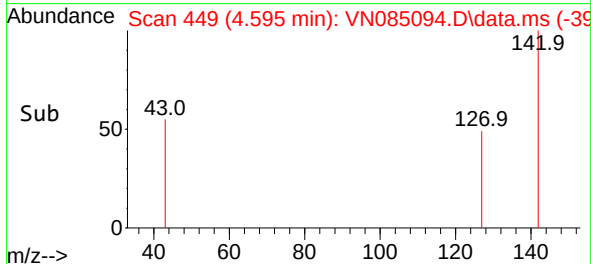


#10
Methyl Iodide
Concen: 0.360 ug/l
RT: 4.595 min Scan# 445
Delta R.T. 0.023 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Instrument :
MSVOA_N
ClientSampleId :

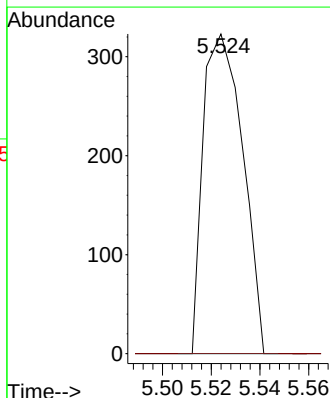
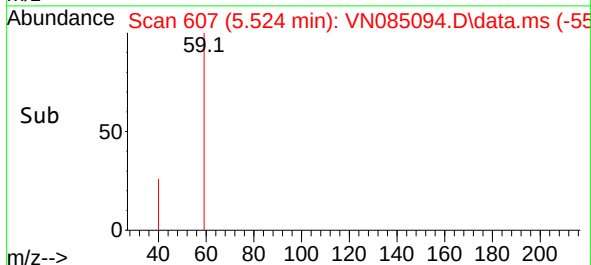
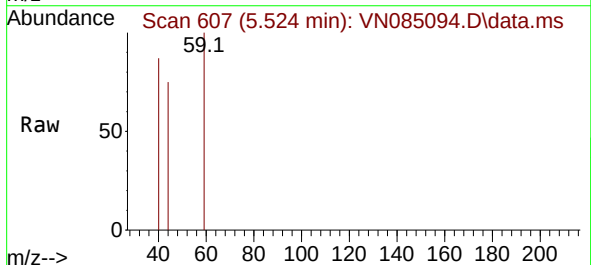


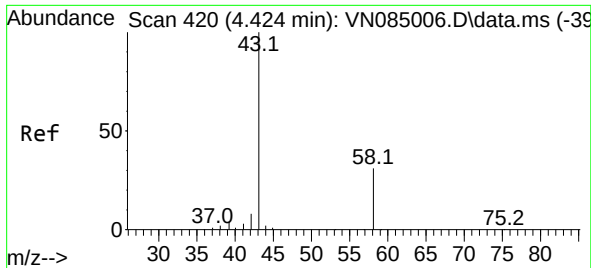
Tgt Ion:142 Resp: 800
Ion Ratio Lower Upper
142 100
127 49.1 36.6 54.8
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: 1.296 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 98.277 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN085094.D

Acq: 04 Dec 2024 15:13

Instrument :

MSVOA_N

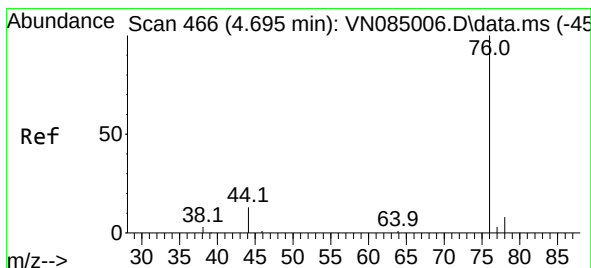
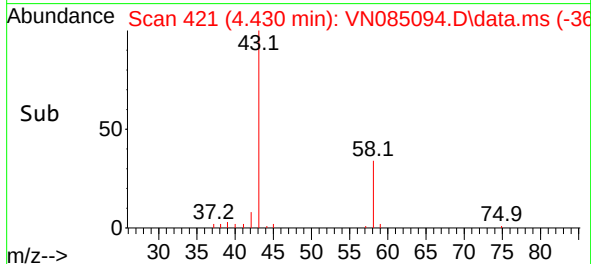
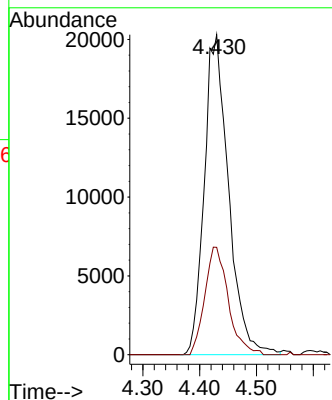
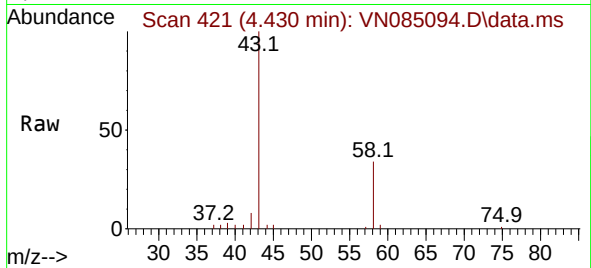
ClientSampleId :

Tgt Ion: 43 Resp: 60147

Ion Ratio Lower Upper

43 100

58 33.6 25.4 38.2



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 4.700 min Scan# 467

Delta R.T. 0.006 min

Lab File: VN085094.D

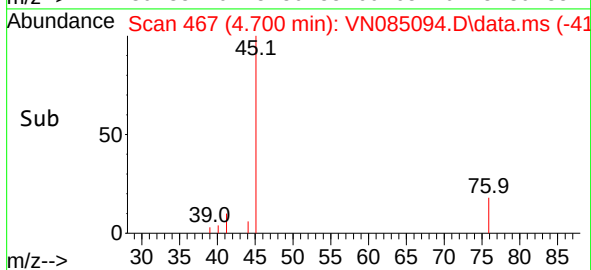
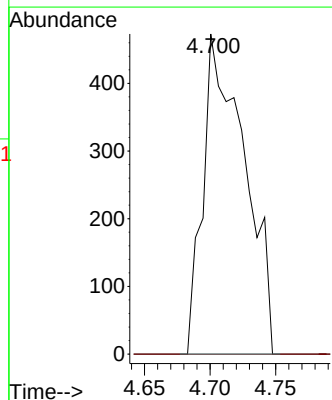
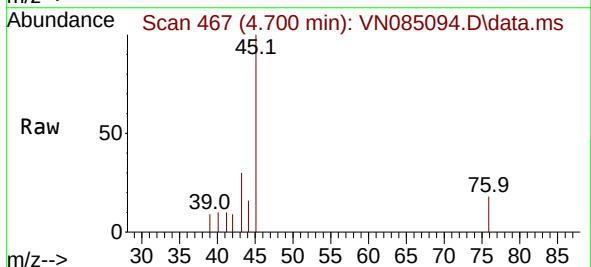
Acq: 04 Dec 2024 15:13

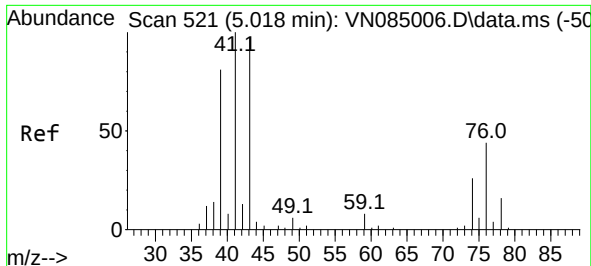
Tgt Ion: 76 Resp: 1037

Ion Ratio Lower Upper

76 100

78 0.0 6.5 9.7#

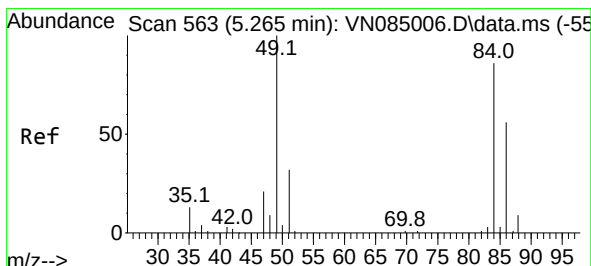
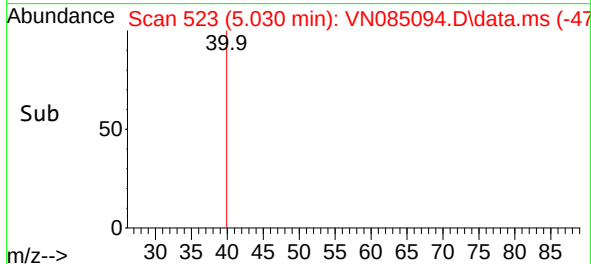
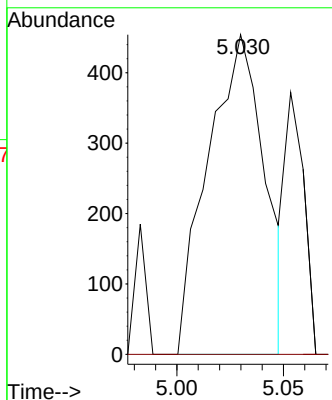
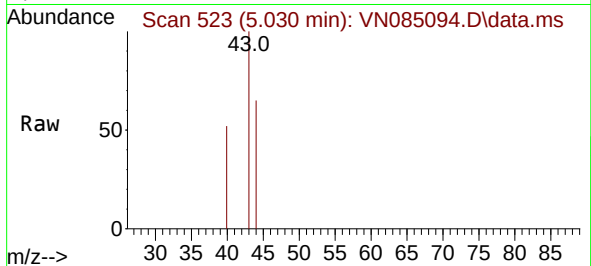




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

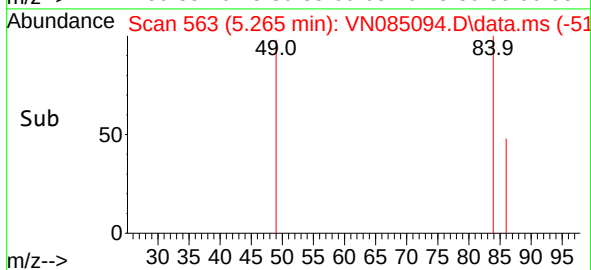
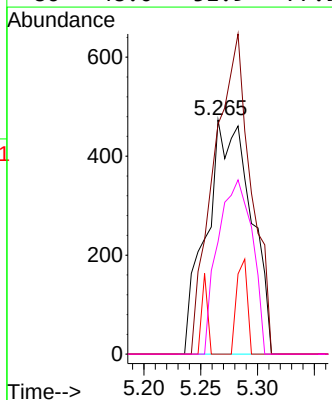
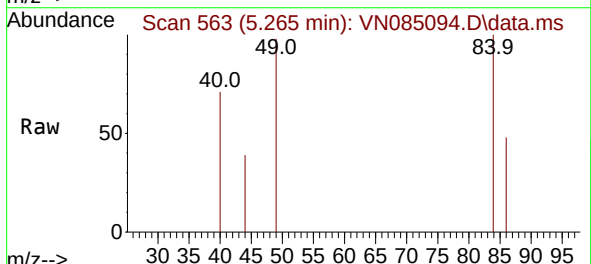
Instrument :
MSVOA_N
ClientSampleId :

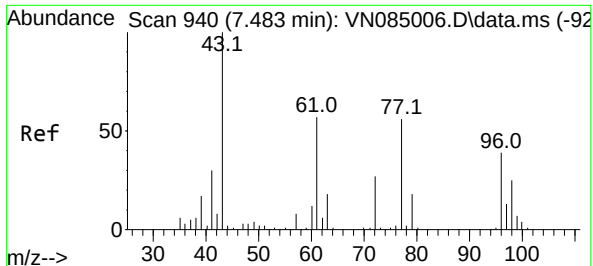
Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 0.692 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

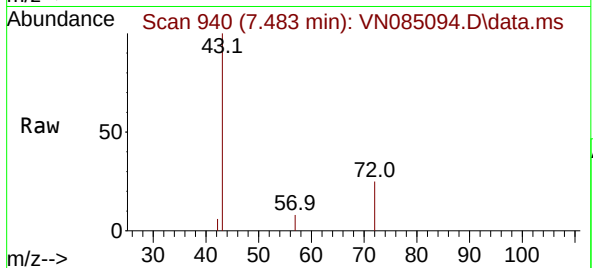
Tgt Ion: 84 Resp: 1292
Ion Ratio Lower Upper
84 100
49 98.3 92.7 139.1
51 0.0 29.4 44.2#
86 48.0 51.9 77.9#



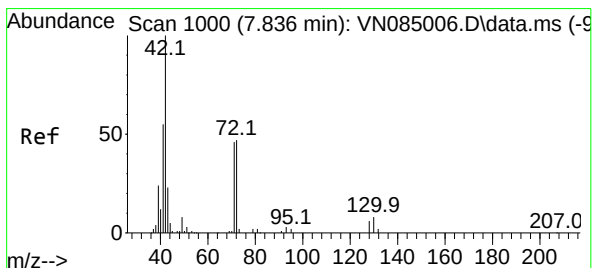
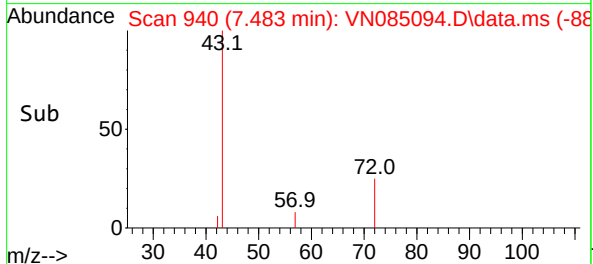
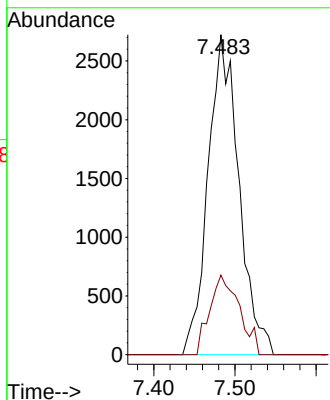


#25
2-Butanone
Concen: 7.162 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Instrument :
MSVOA_N
ClientSampleId :

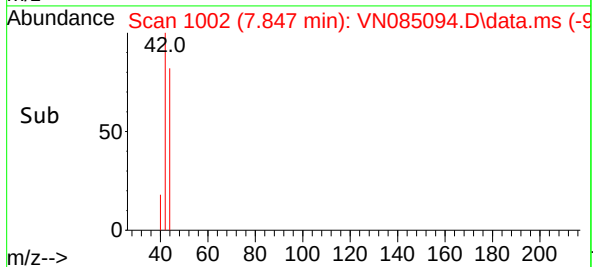
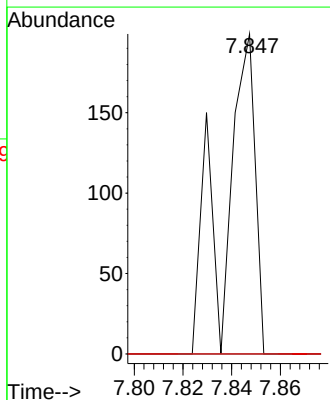
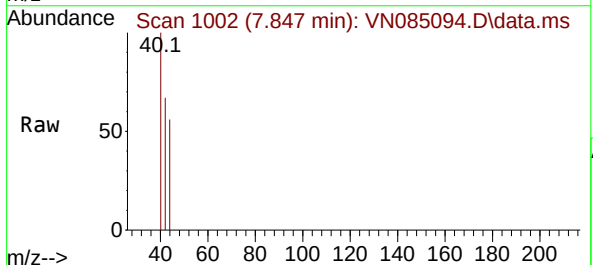


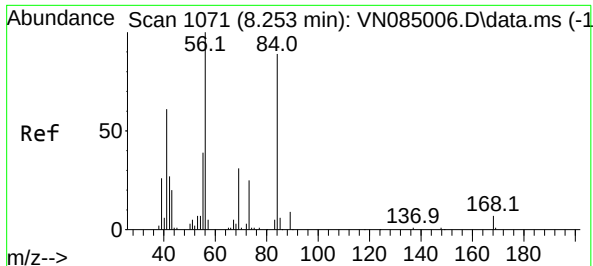
Tgt Ion: 43 Resp: 7166
Ion Ratio Lower Upper
43 100
72 24.9 21.4 32.0



#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

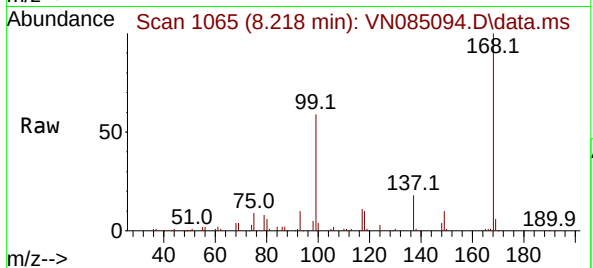
Tgt Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.4#
71 0.0 35.0 52.4#



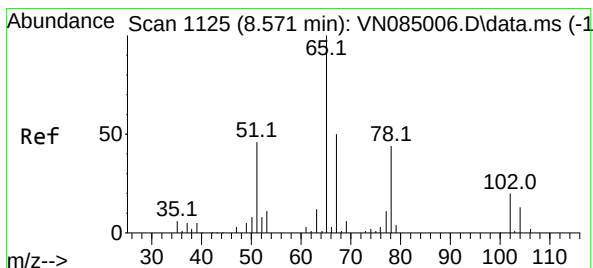
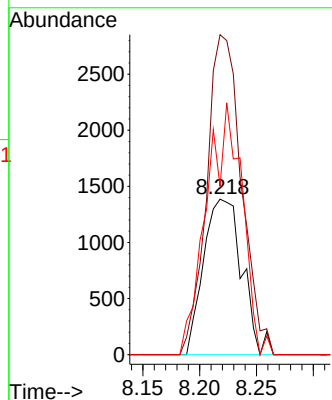
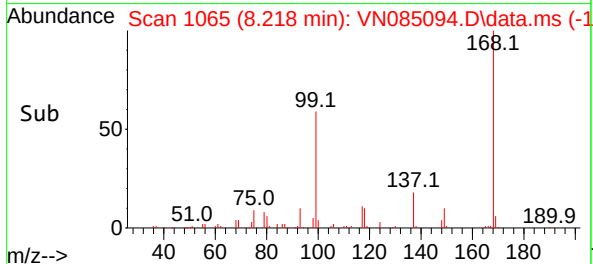


#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

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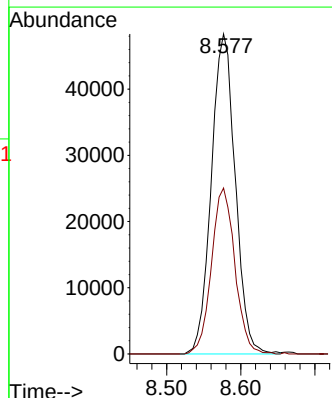
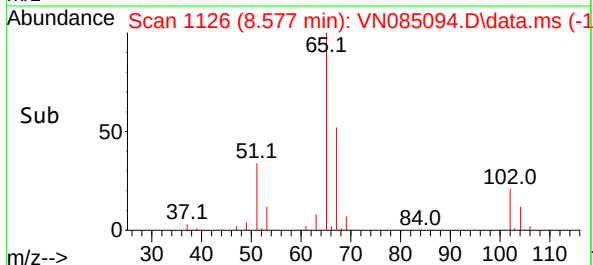
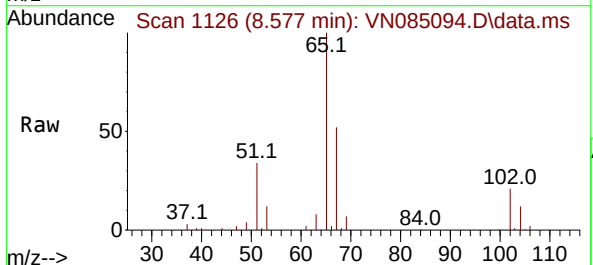


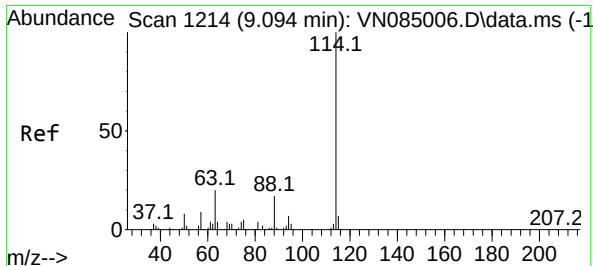
Tgt Ion: 56 Resp: 3260
Ion Ratio Lower Upper
56 100
69 205.8 24.6 36.8#
84 108.2 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 51.615 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion: 65 Resp: 108466
Ion Ratio Lower Upper
65 100
67 50.8 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: VN085094.D

Acq: 04 Dec 2024 15:13

Instrument :

MSVOA_N

ClientSampleId :

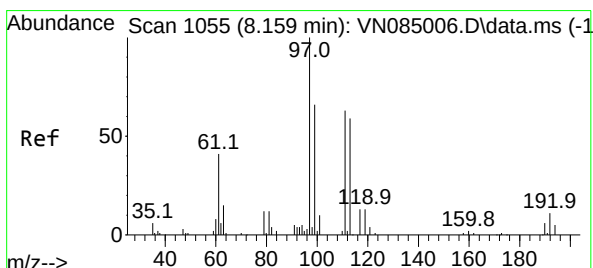
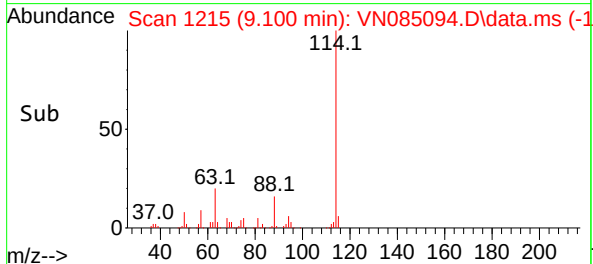
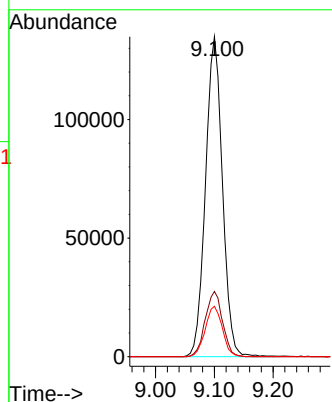
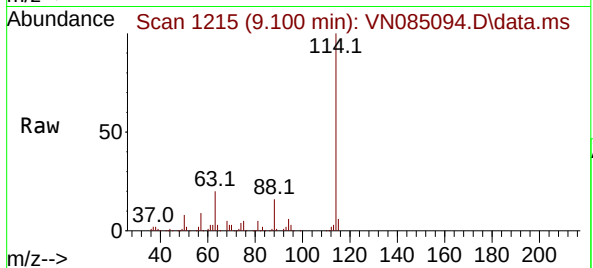
Tgt Ion:114 Resp: 270080

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.850 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085094.D

Acq: 04 Dec 2024 15:13

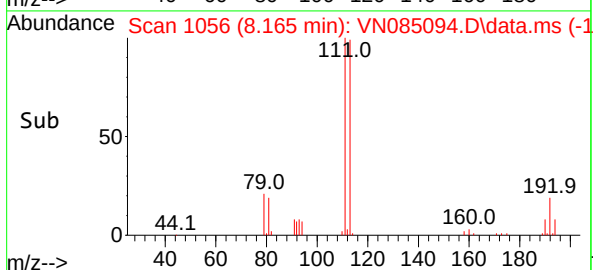
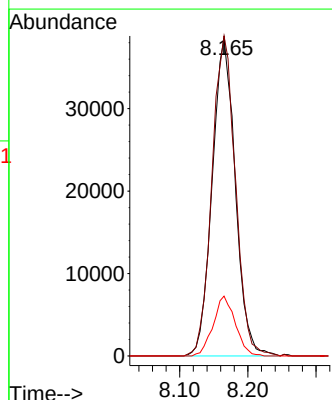
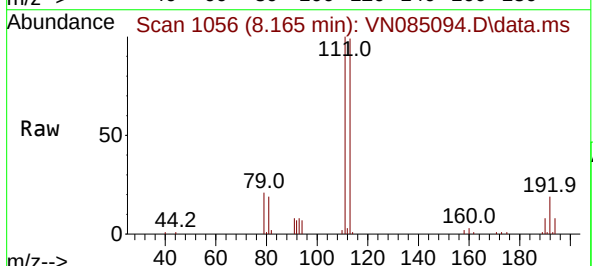
Tgt Ion:113 Resp: 90794

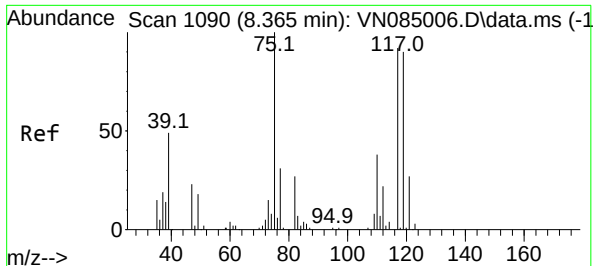
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 18.0 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN085094.D

Acq: 04 Dec 2024 15:13

Instrument :

MSVOA_N

ClientSampleId :

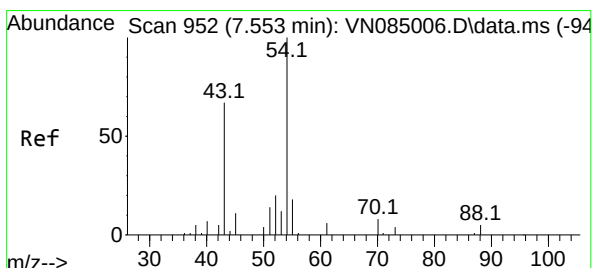
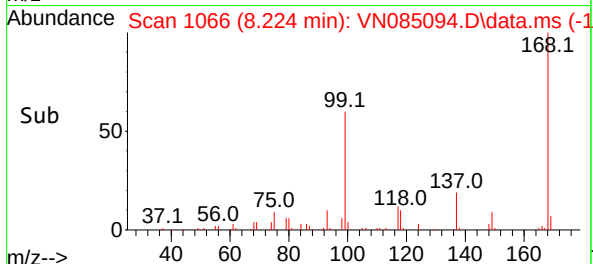
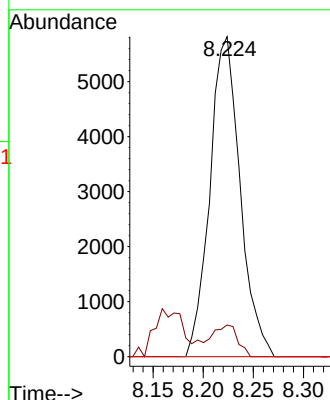
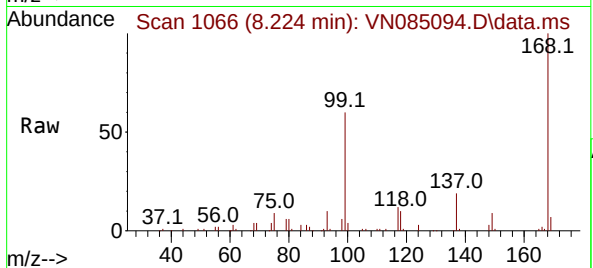
Tgt Ion: 75 Resp: 12222

Ion Ratio Lower Upper

75 100

110 8.1 17.2 51.6#

77 0.0 24.2 36.4#



#37

Ethyl Acetate

Concen: 3.195 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN085094.D

Acq: 04 Dec 2024 15:13

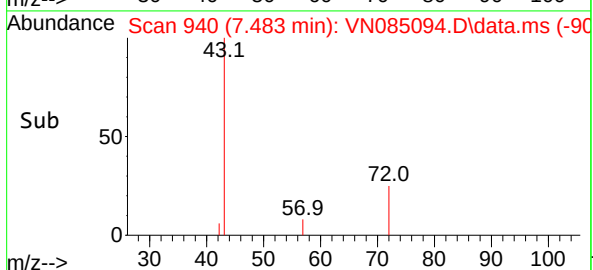
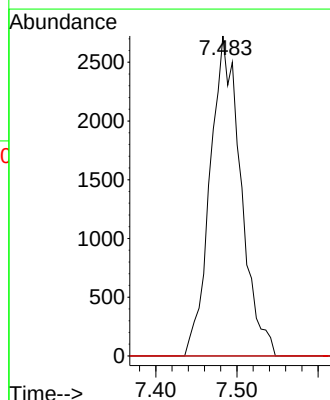
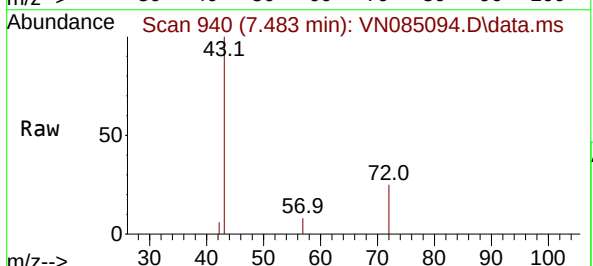
Tgt Ion: 43 Resp: 7166

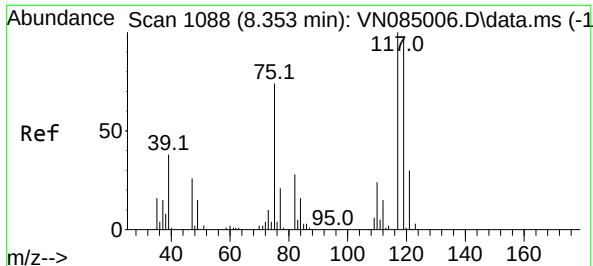
Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

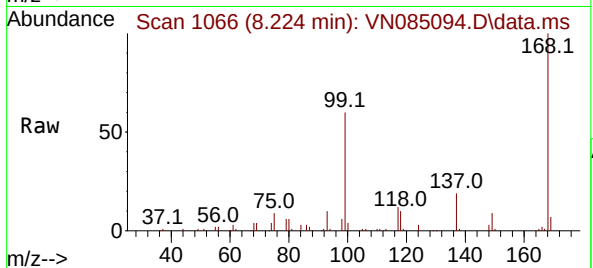
70 0.0 9.3 13.9#



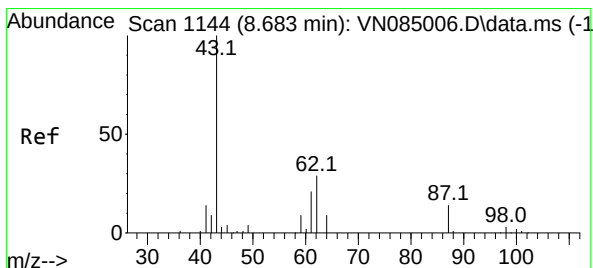
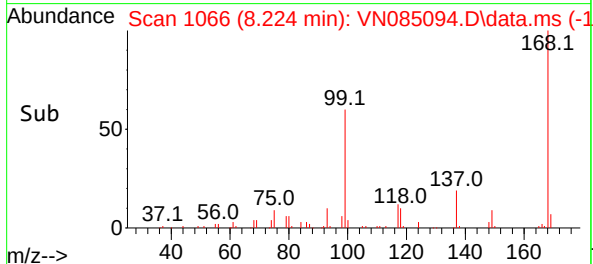
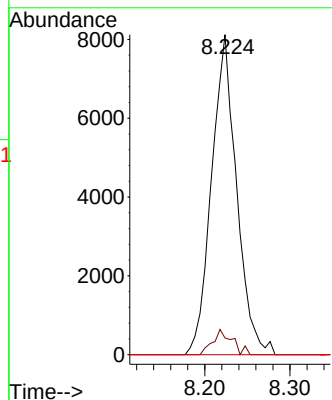


#38
Carbon Tetrachloride
Concen: 5.830 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Instrument :
MSVOA_N
ClientSampleId :

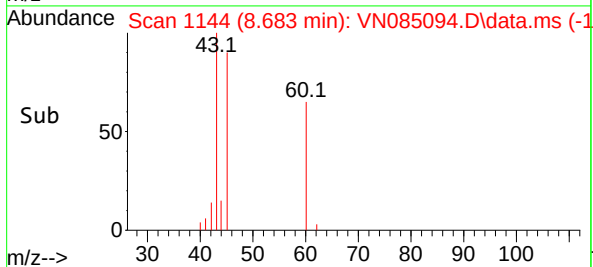
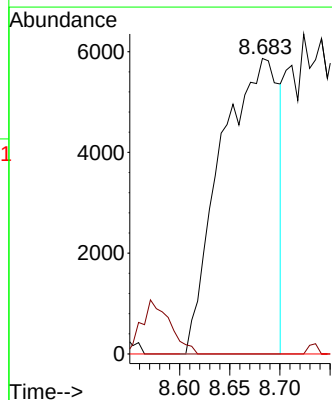
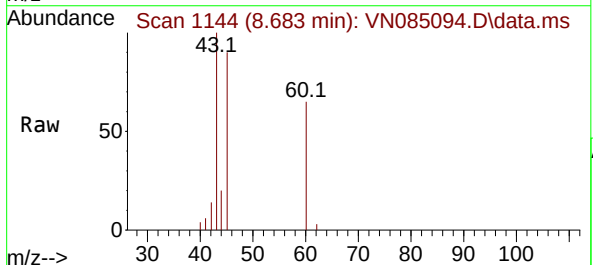


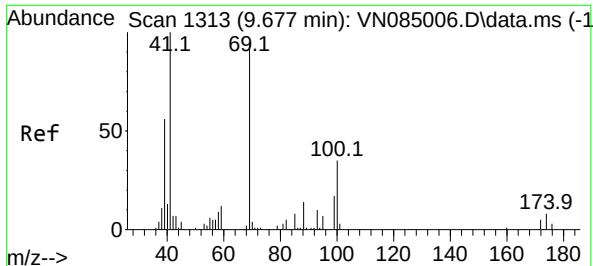
Tgt Ion:117 Resp: 16603
Ion Ratio Lower Upper
117 100
119 5.2 78.6 117.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.068 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

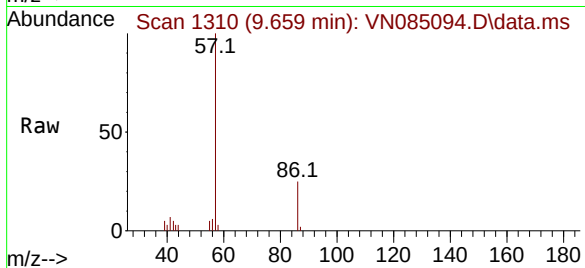
Tgt Ion: 43 Resp: 23608
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



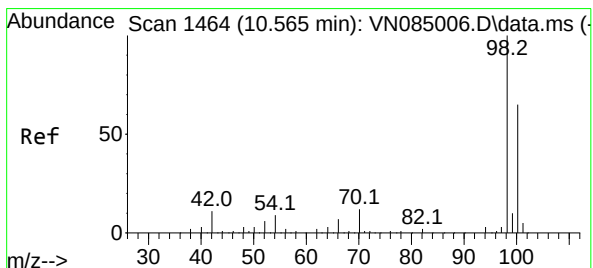
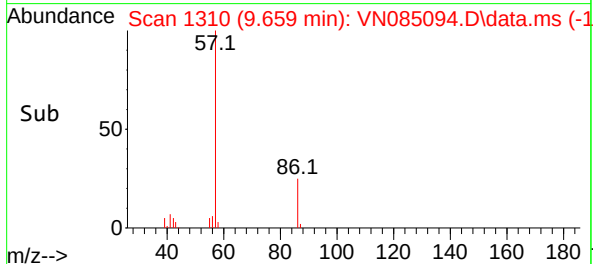
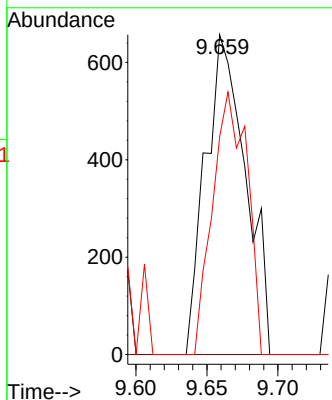


#48
Methyl methacrylate
Concen: 0.748 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Instrument :
MSVOA_N
ClientSampleId :

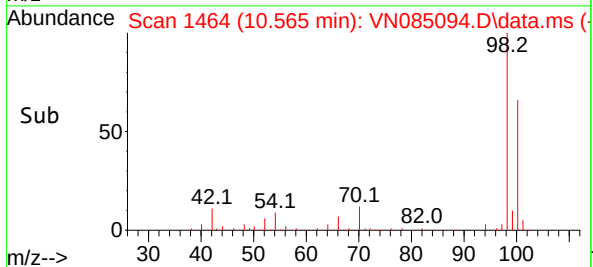
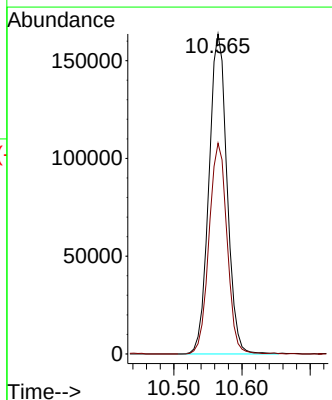
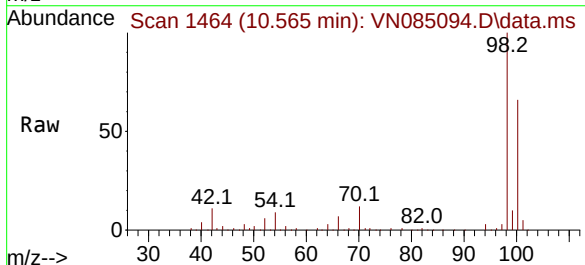


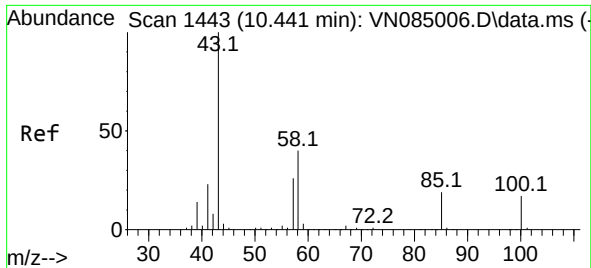
Tgt Ion: 41 Resp: 1296
Ion Ratio Lower Upper
41 100
69 0.0 73.2 109.8#
39 70.5 46.2 69.4#



#50
Toluene-d8
Concen: 46.240 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion: 98 Resp: 301818
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7

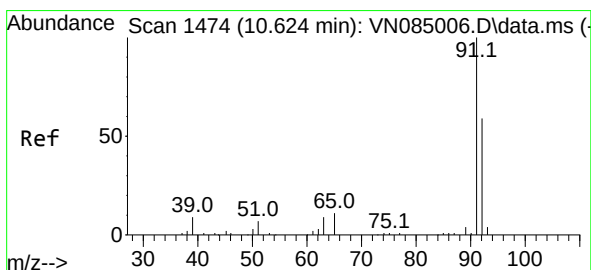
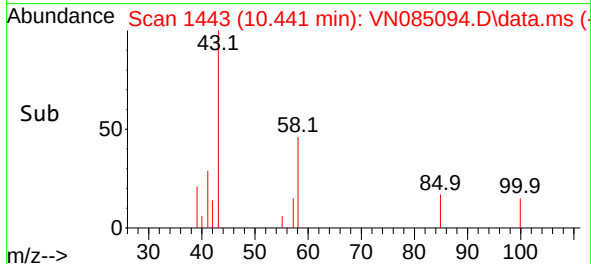
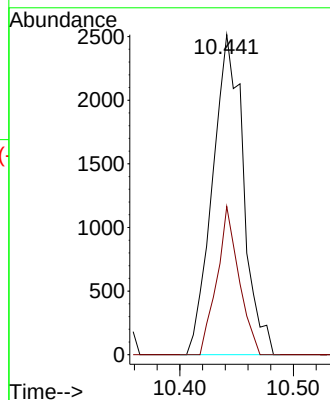
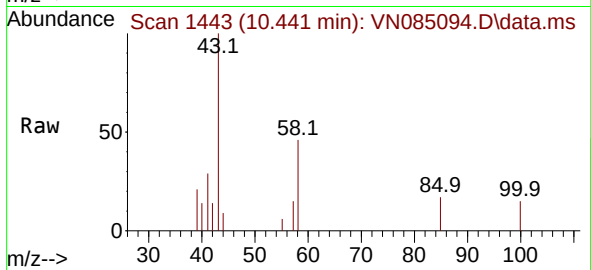




#51
4-Methyl-2-Pentanone
Concen: 2.227 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

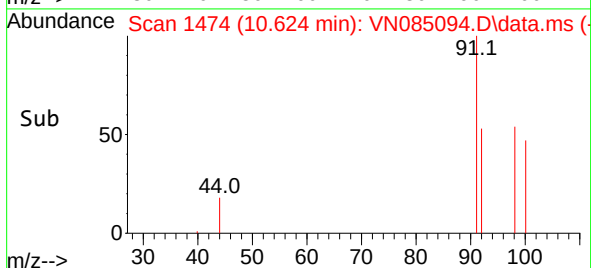
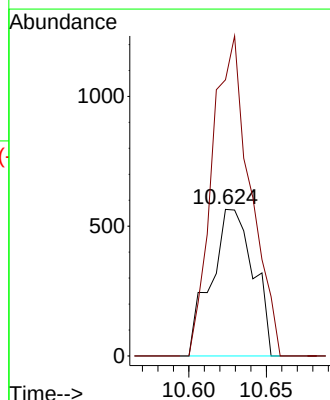
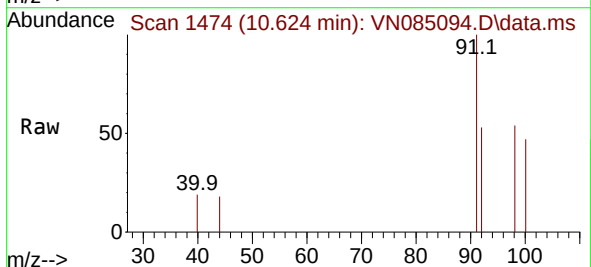
Instrument :
MSVOA_N
ClientSampleId :

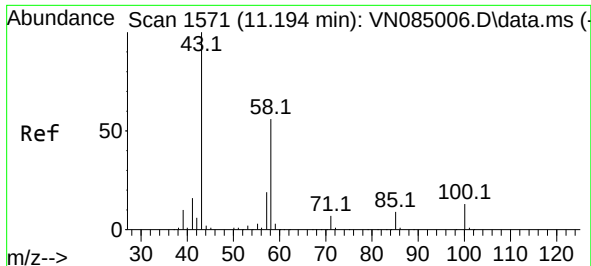
Tgt Ion: 43 Resp: 4738
Ion Ratio Lower Upper
43 100
58 33.2 32.1 48.1



#52
Toluene
Concen: 0.232 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion: 92 Resp: 1070
Ion Ratio Lower Upper
92 100
91 197.0 136.7 205.1

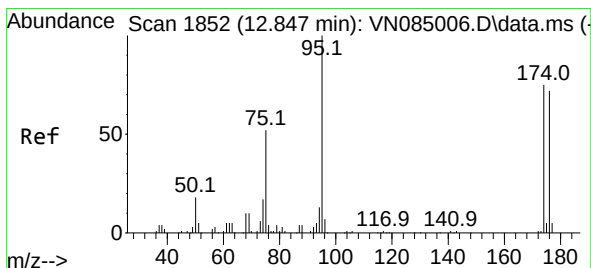
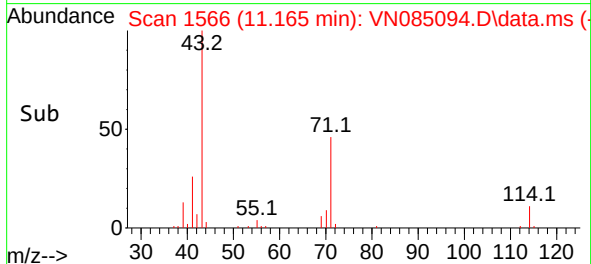
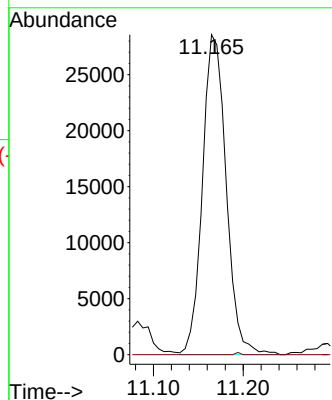
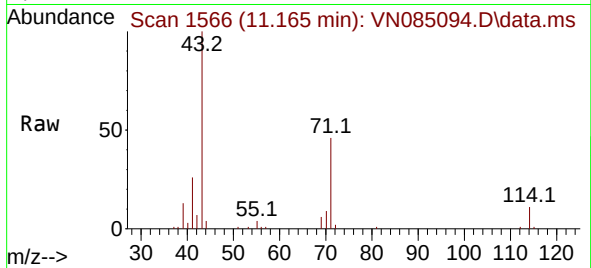




#59
2-Hexanone
Concen: 32.923 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.029 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

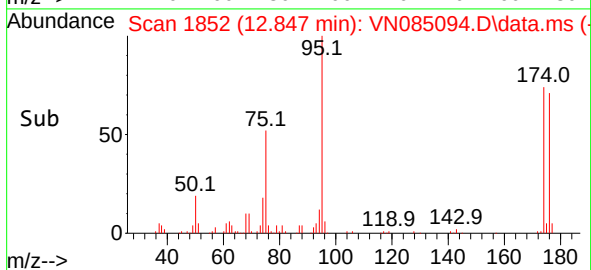
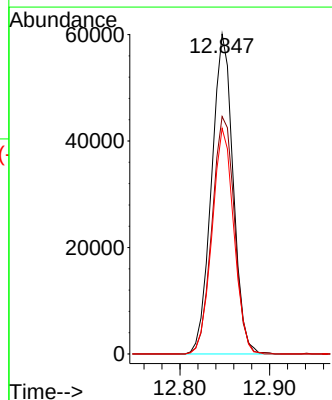
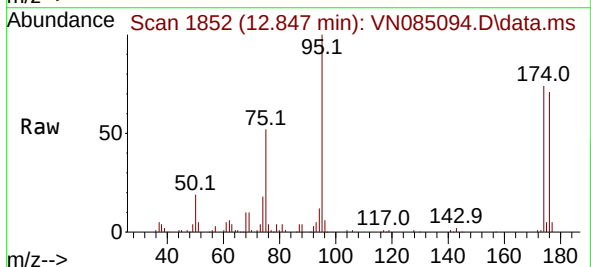
Instrument :
MSVOA_N
ClientSampleId :

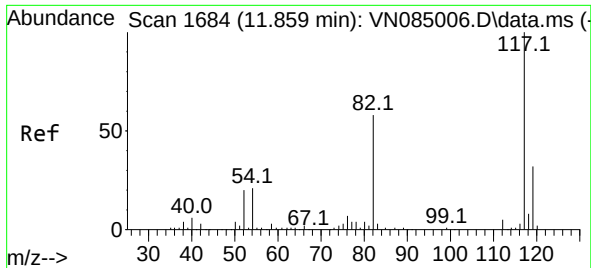
Tgt Ion: 43 Resp: 52394
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 41.063 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion: 95 Resp: 100233
Ion Ratio Lower Upper
95 100
174 77.3 0.0 146.6
176 71.3 0.0 141.8

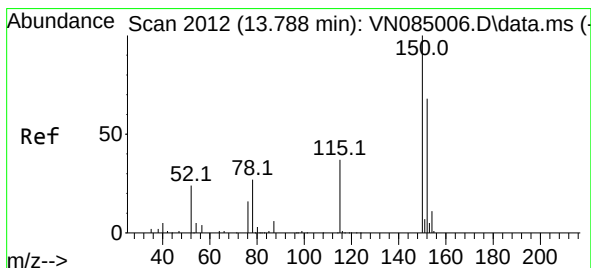
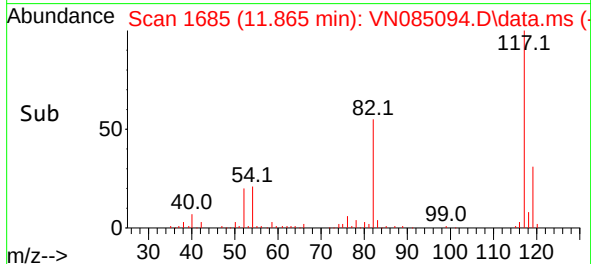
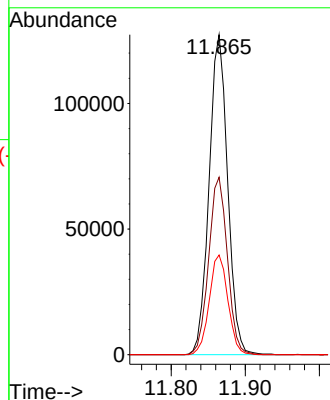
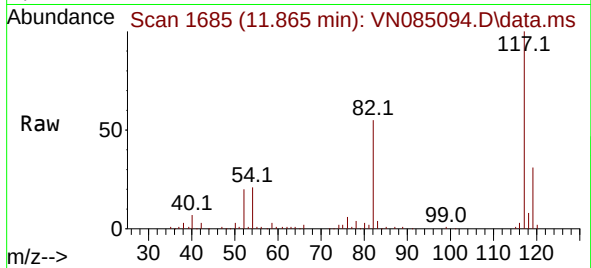




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

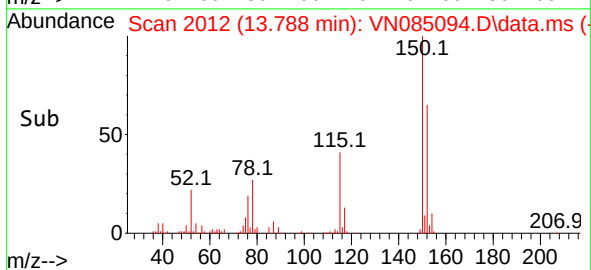
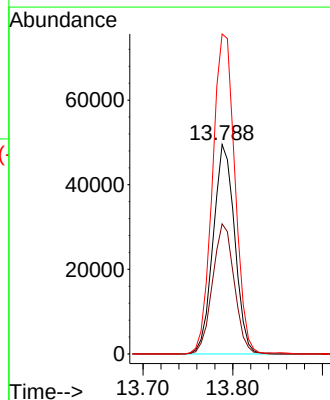
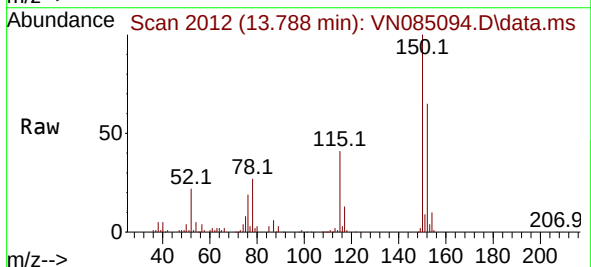
Instrument :
MSVOA_N
ClientSampleId :

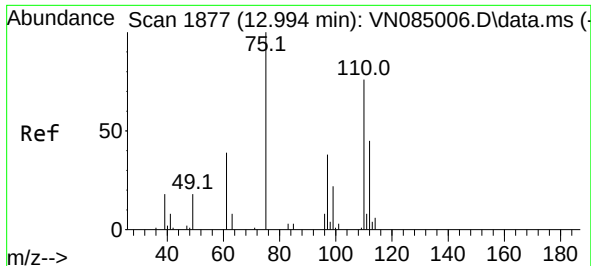
Tgt Ion:117 Resp: 221330
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

Tgt Ion:152 Resp: 82527
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 159.4 0.0 351.4

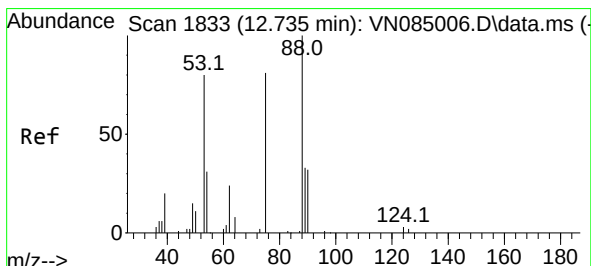
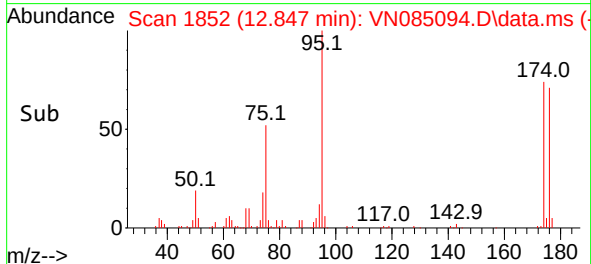
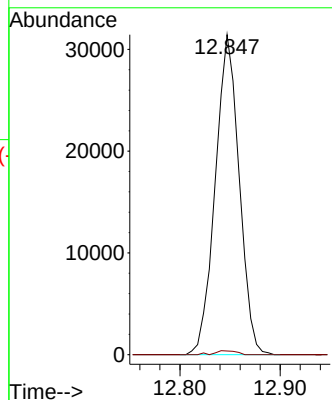
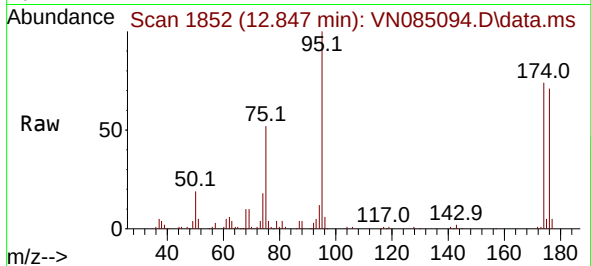




#76
1,2,3-Trichloropropane
Concen: 34.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

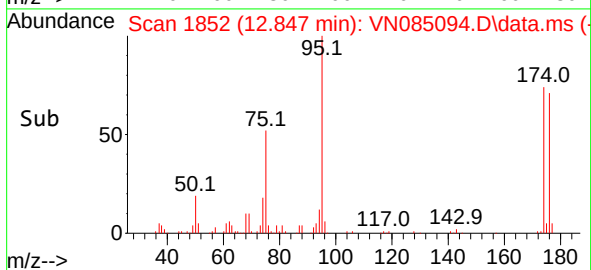
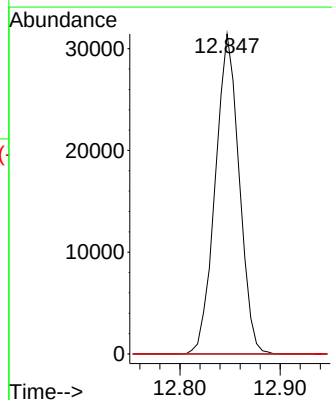
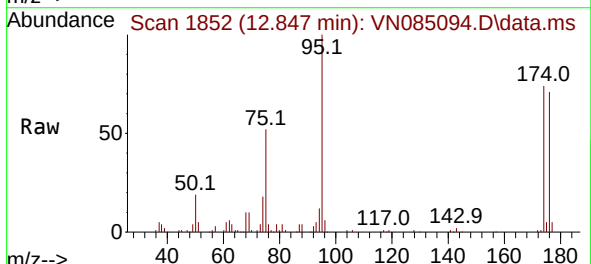
Instrument :
MSVOA_N
ClientSampleId :

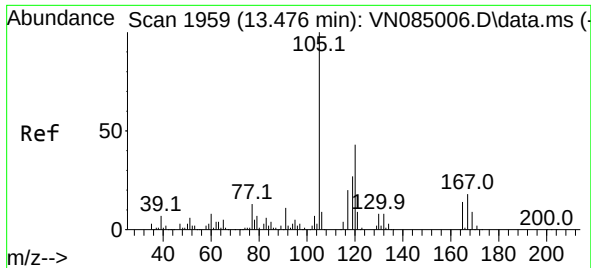
Tgt Ion: 75 Resp: 51997
Ion Ratio Lower Upper
75 100
77 1.1 109.1 327.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.468 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085094.D
Acq: 04 Dec 2024 15:13

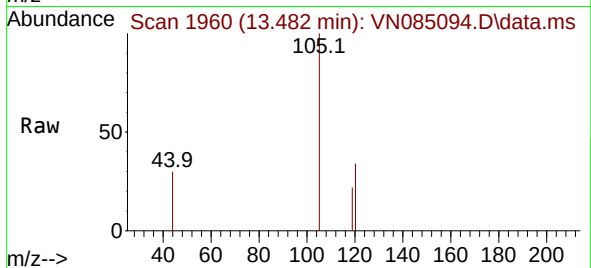
Tgt Ion: 75 Resp: 51997
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.268 ug/l
 RT: 13.482 min Scan# 1959
 Delta R.T. 0.006 min
 Lab File: VN085094.D
 Acq: 04 Dec 2024 15:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 1349
 Ion Ratio Lower Upper
 105 100
 120 33.0 21.8 65.4

