

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064695.D
 Acq On : 17 Nov 2020 21:07
 Operator : JC/MD
 Sample : L4783-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

Quant Time: Nov 18 01:51:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	516480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	219041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	212955	57.19	ug/l	0.00
Spiked Amount			Recovery	=	114.38%	
35) Dibromofluoromethane	7.55	113	159246	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	10.06	98	579240	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.38	95	247054	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	

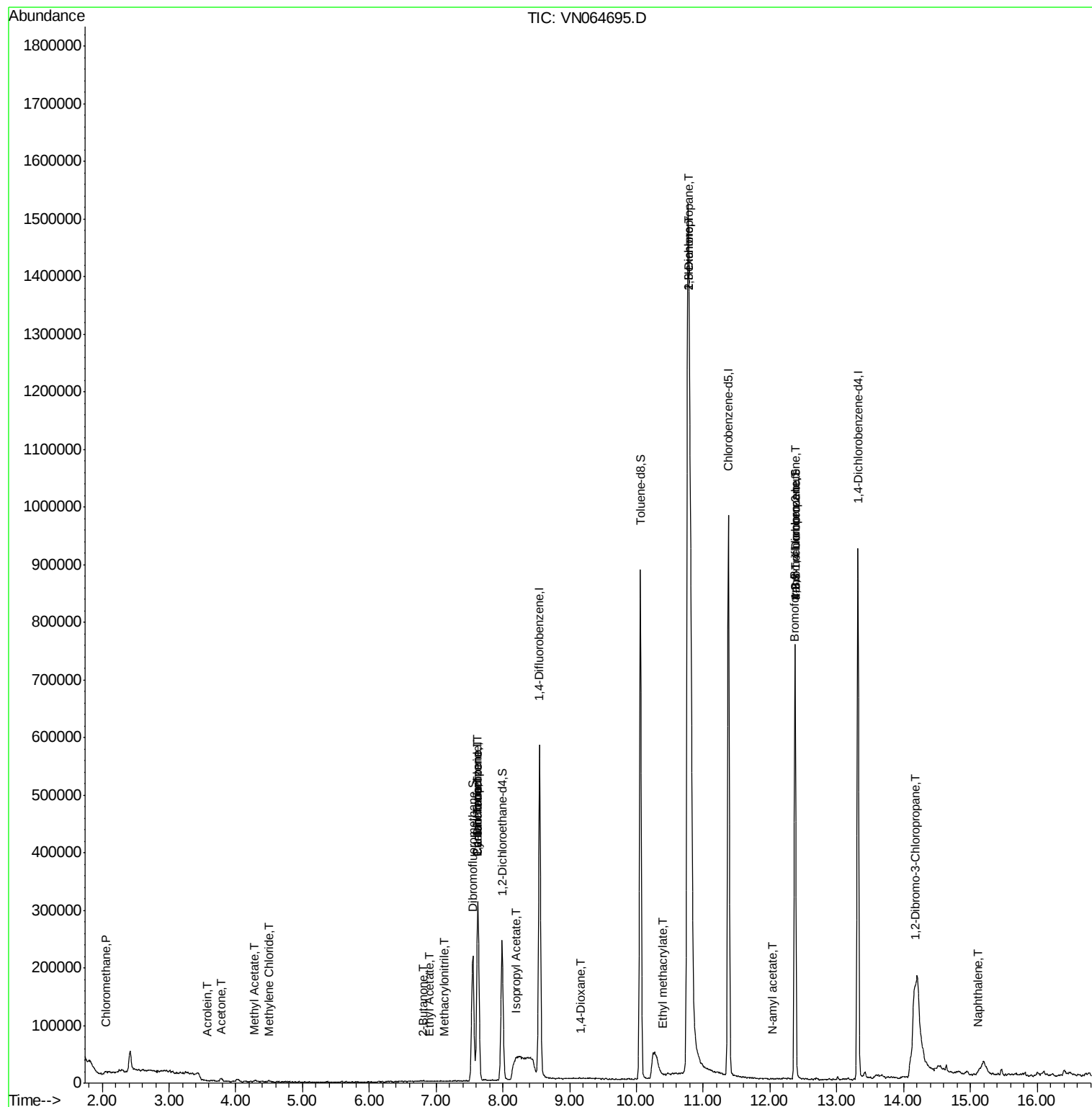
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1426	0.422	ug/l #	68
13) Acrolein	3.58	56	253	0.993	ug/l #	61
16) Acetone	3.78	43	6907	4.870	ug/l	91
18) Methyl Acetate	4.28	43	2482	0.890	ug/l #	65
20) Methylene Chloride	4.50	84	1121	0.398	ug/l	90
25) 2-Butanone	6.80	43	439	0.243	ug/l #	52
31) Cyclohexane	7.63	56	6458	1.427	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	21842	4.425	ug/l #	47
37) Ethyl Acetate	6.90	43	126	0.787	ug/l #	71
38) Carbon Tetrachloride	7.63	117	24654	4.673	ug/l #	19
41) Methacrylonitrile	7.13	41	449	0.205	ug/l #	32
43) Isopropyl Acetate	8.19	43	41105	5.138	ug/l #	65
49) 1,4-Dioxane	9.16	88	80	1.505	ug/l #	1
56) Ethyl methacrylate	10.40	69	29	1.846	ug/l #	1
57) 1,3-Dichloropropane	10.78	76	16241	2.697	ug/l #	44
59) 2-Hexanone	10.78	43	857338	225.766	ug/l #	38
71) Bromoform	12.36	173	414	1.402	ug/l #	1
74) N-amyl acetate	12.05	43	233	1.241	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	141213	26.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	141213	74.292	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.17	75	6640	6.237	ug/l #	16
95) Naphthalene	15.10	128	742	3.680	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

Instrument :

MSVOA_N

ClientSampled :

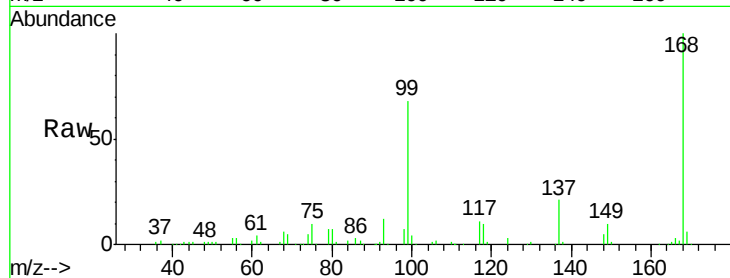
MW-8

Tot Ion:168 Resp: 213772

Ion Ratio Lower Upper

168 100

99 68.4 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

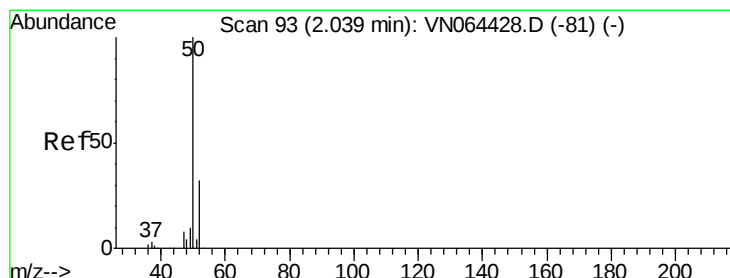
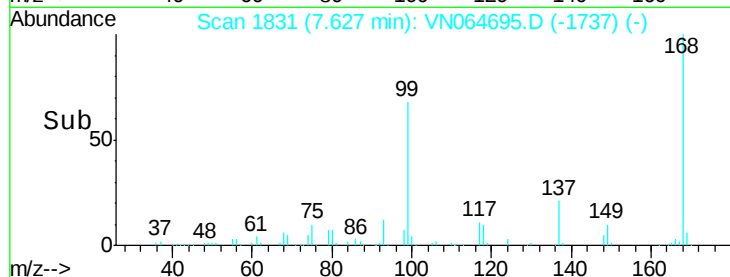
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.422 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.00 min

Lab File: VN064695.D

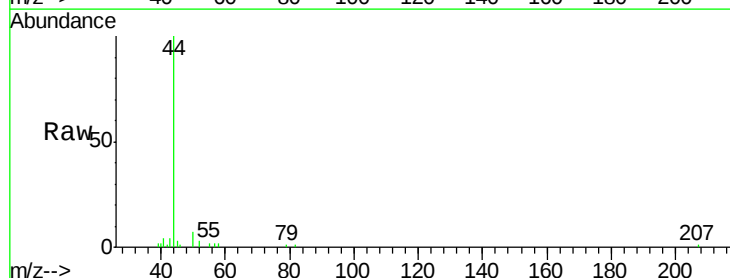
Acq: 17 Nov 2020 21:07

Tgt Ion: 50 Resp: 1426

Ion Ratio Lower Upper

50 100

52 49.1 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

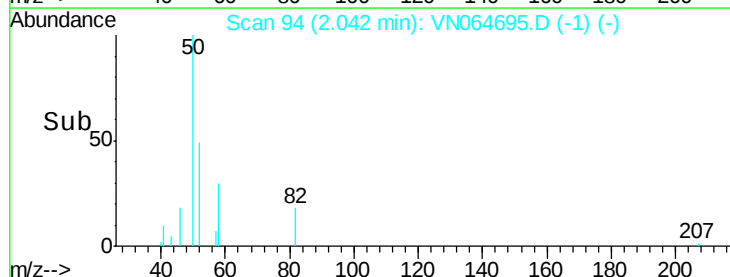
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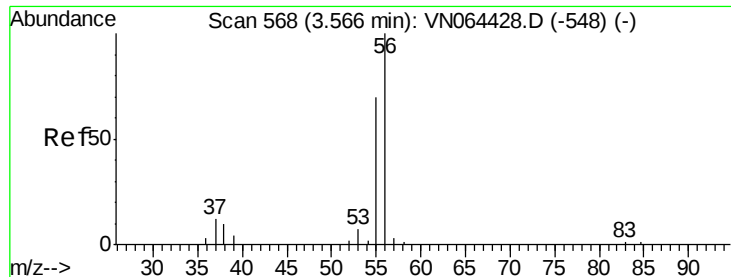
400

200

0

Time-->





#13

Acrolein

Concen: 0.993 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

Instrument :

MSVOA_N

ClientSampled :

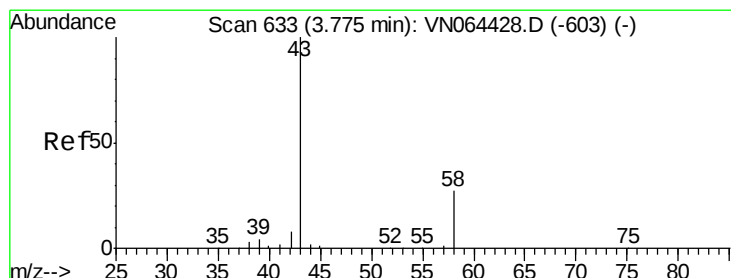
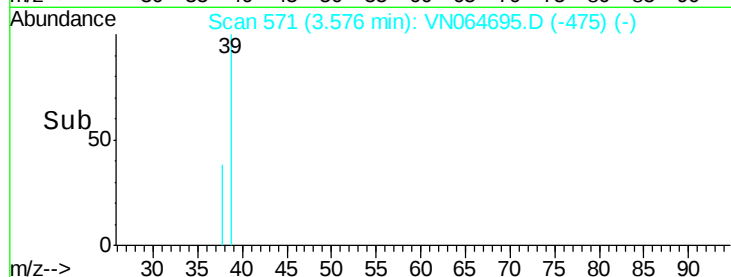
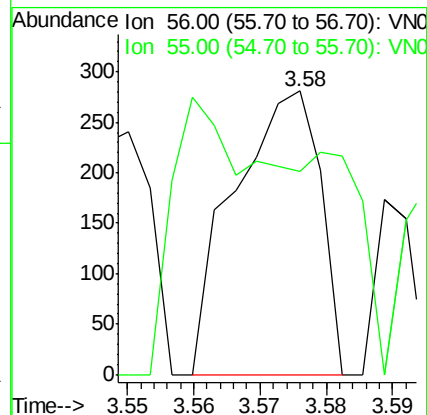
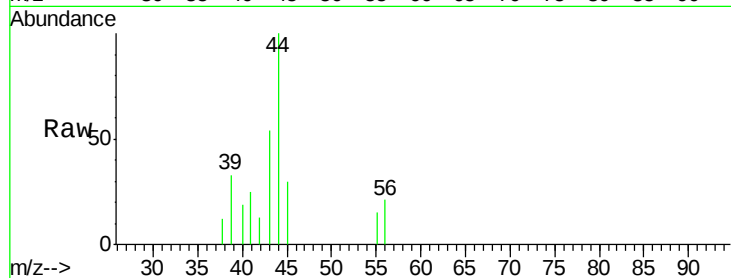
MW-8

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 101.6 55.9 83.9#



#16

Acetone

Concen: 4.870 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064695.D

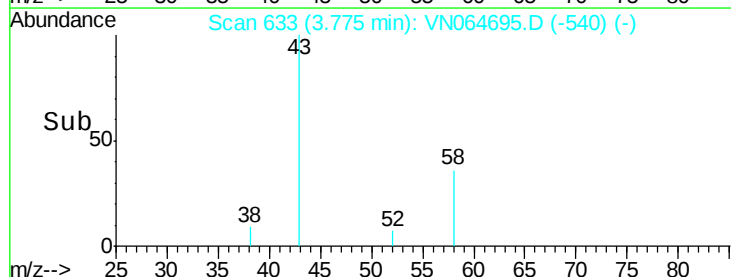
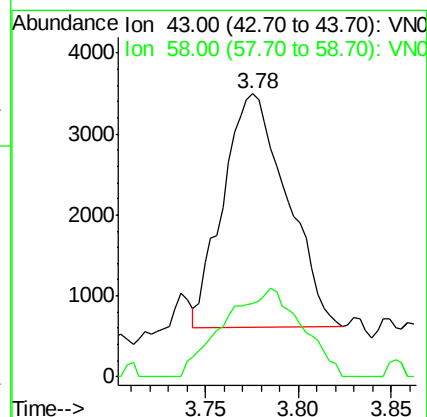
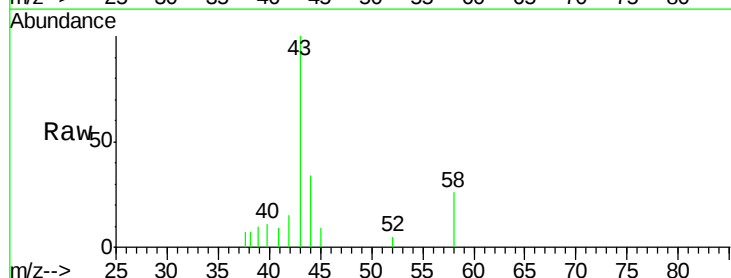
Acq: 17 Nov 2020 21:07

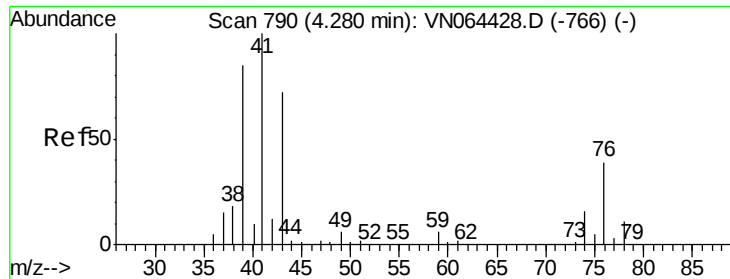
Tgt Ion: 43 Resp: 6907

Ion Ratio Lower Upper

43 100

58 31.4 21.4 32.0

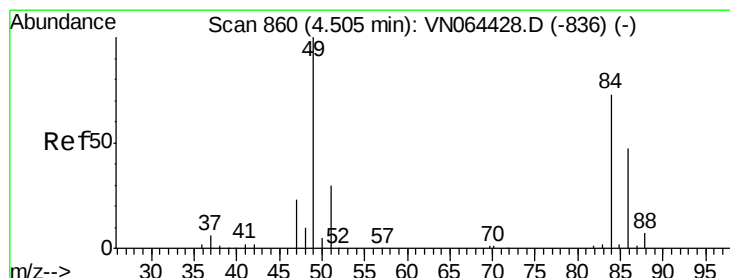
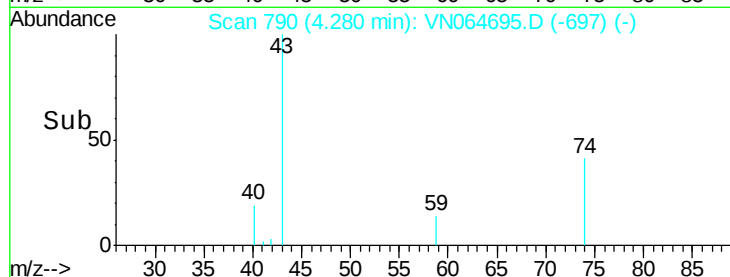
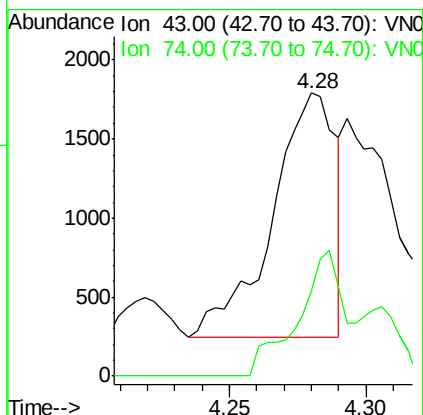
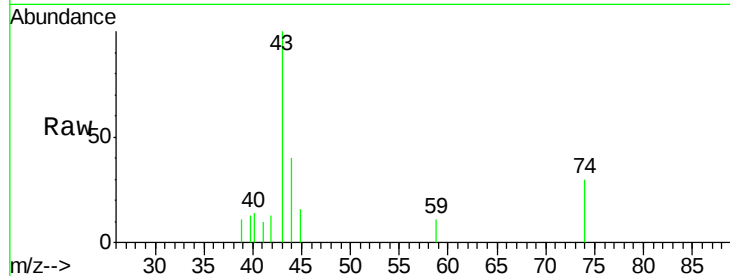




#18
Methyl Acetate
Concen: 0.890 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

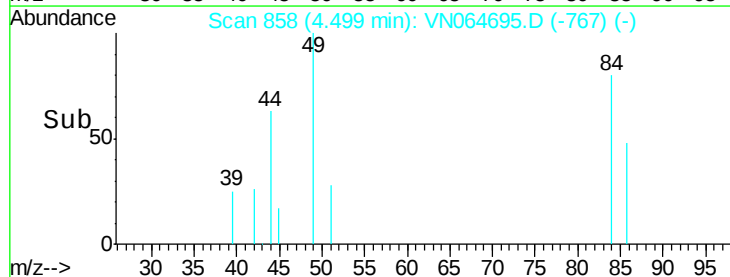
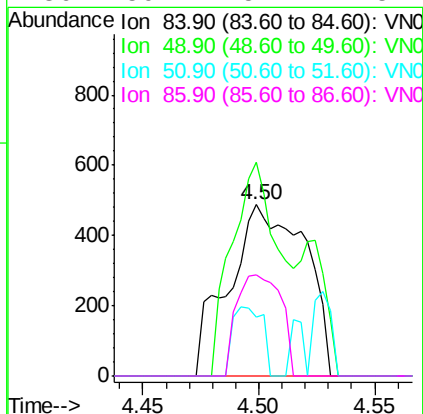
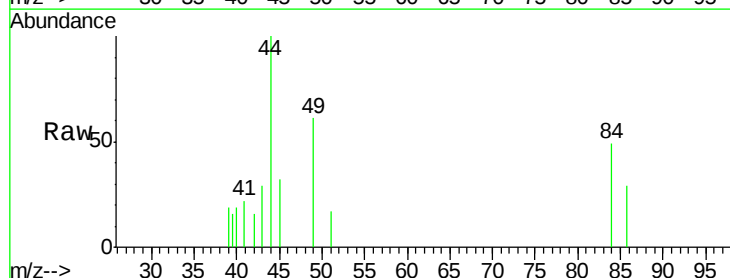
Instrument :
MSVOA_N
ClientSampled :
MW-8

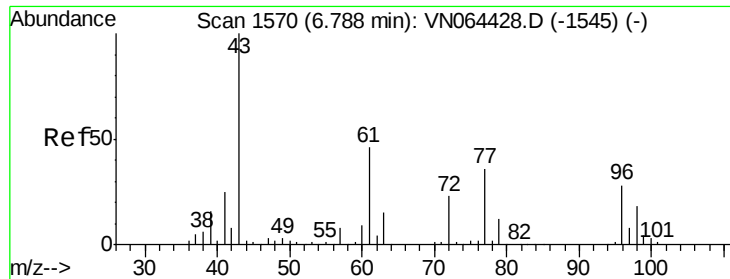
Tot Ion: 43 Resp: 2482
Ion Ratio Lower Upper
43 100
74 37.6 17.0 25.4#



#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 84 Resp: 1121
Ion Ratio Lower Upper
84 100
49 124.6 110.1 165.1
51 34.4 33.6 50.4
86 59.2 52.1 78.1





#25

2-Butanone

Concen: 0.243 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

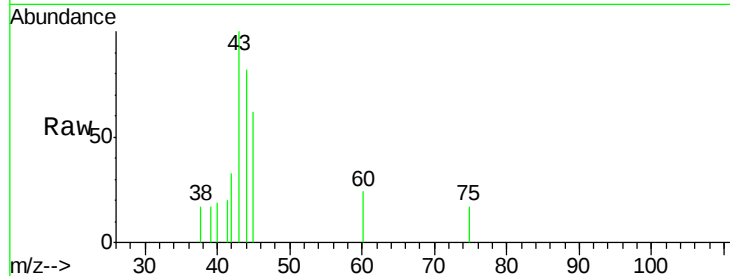
MW-8

Tot Ion: 43 Resp: 439

Ion Ratio Lower Upper

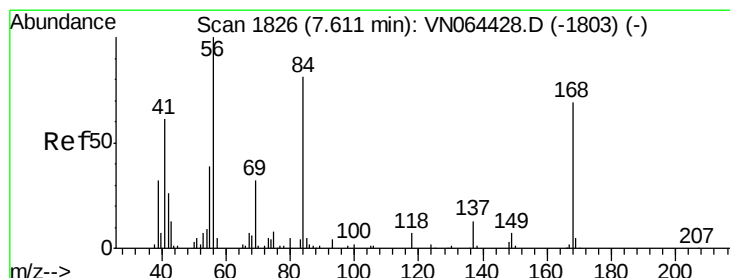
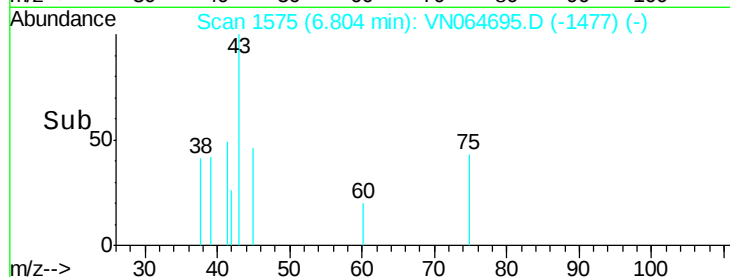
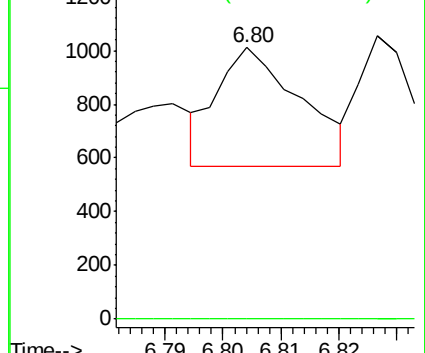
43 100

72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.427 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

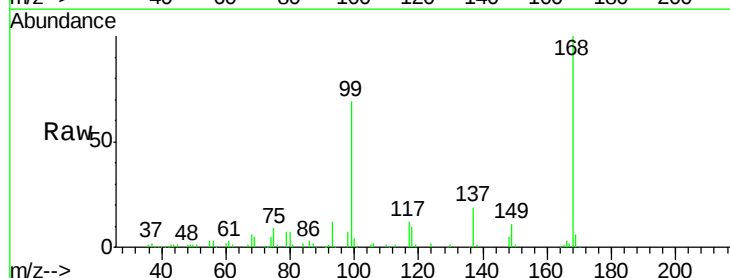
Tgt Ion: 56 Resp: 6458

Ion Ratio Lower Upper

56 100

69 167.1 25.6 38.4#

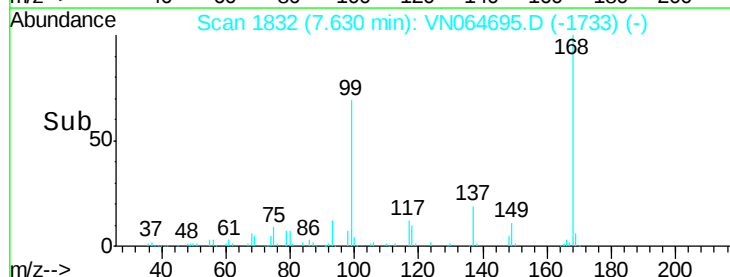
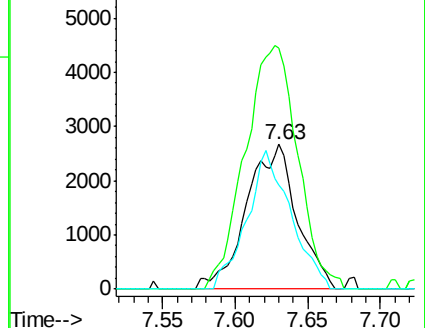
84 72.1 63.0 94.6

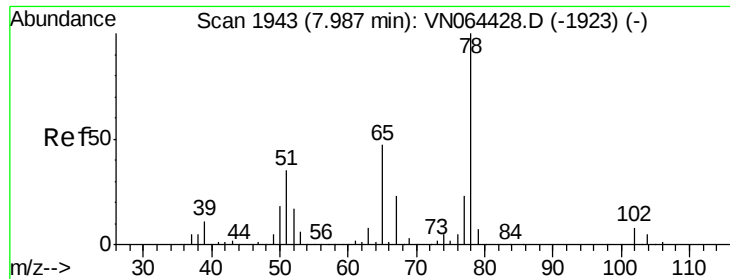


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 57.191 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

Instrument :

MSVOA_N

ClientSampleId :

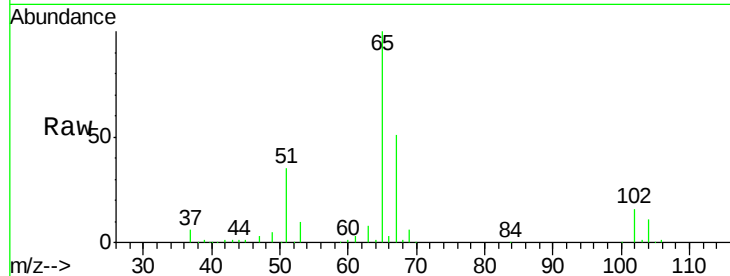
MW-8

Tot Ion: 65 Resp: 212955

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)

7.99

100000

80000

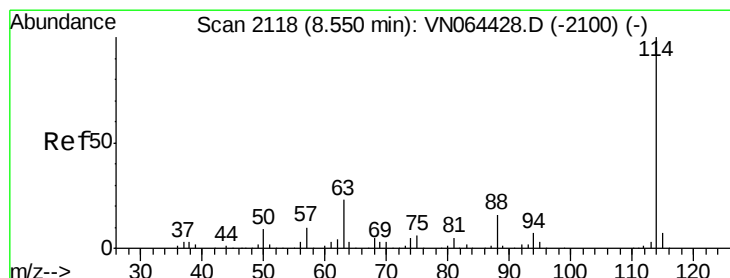
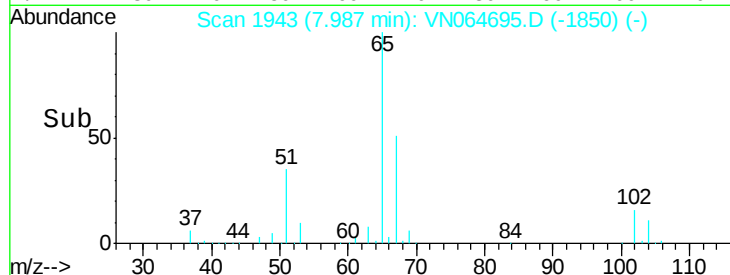
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

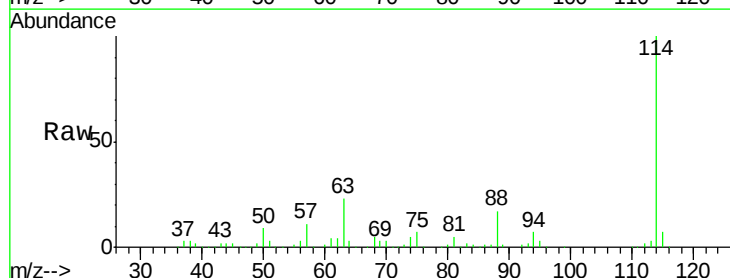
Tgt Ion: 114 Resp: 467259

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

300000

250000

200000

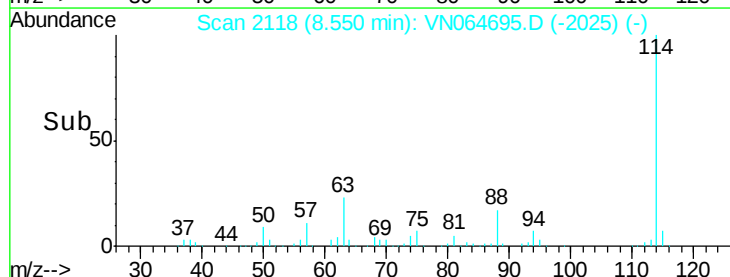
150000

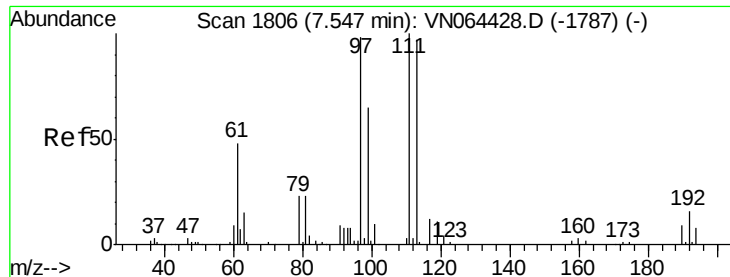
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50000

0

Time-->

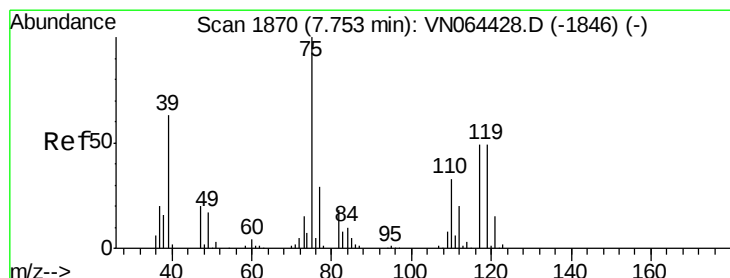
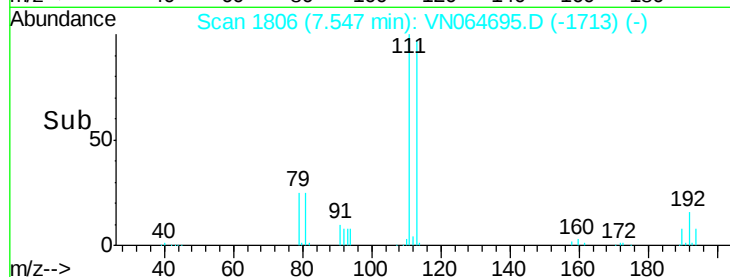
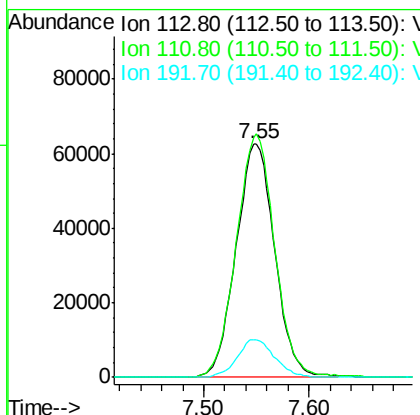
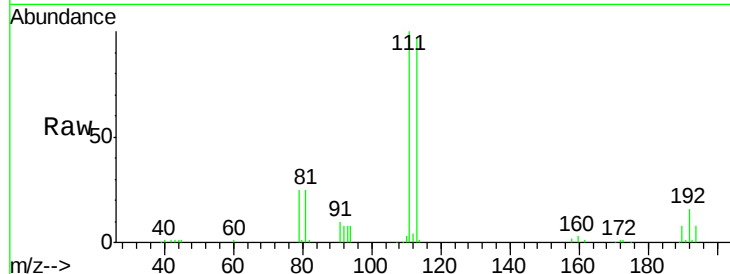




#35
 Dibromofluoromethane
 Concen: 50.055 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

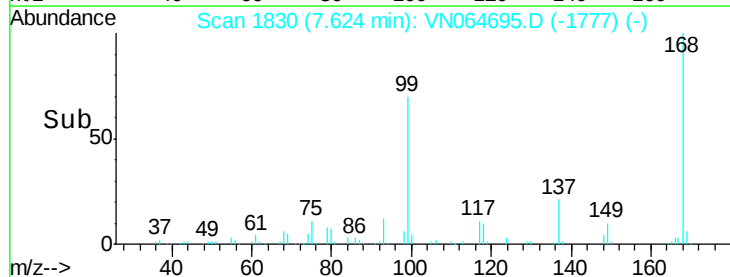
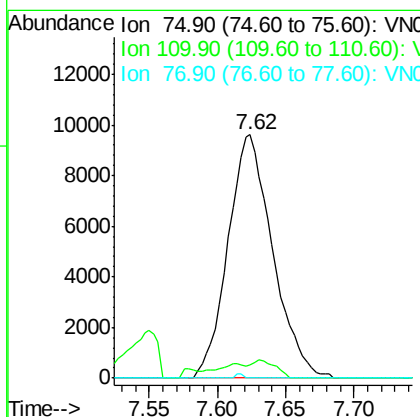
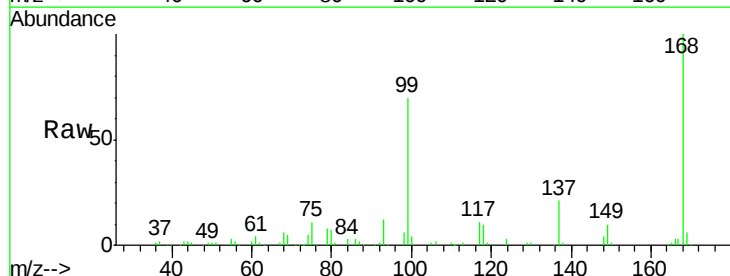
Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

Tot Ion:113 Resp: 159246
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.1 121.7
 192 15.7 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.425 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

Tgt Ion: 75 Resp: 21842
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.0 48.0#
 77 0.0 24.0 36.0#

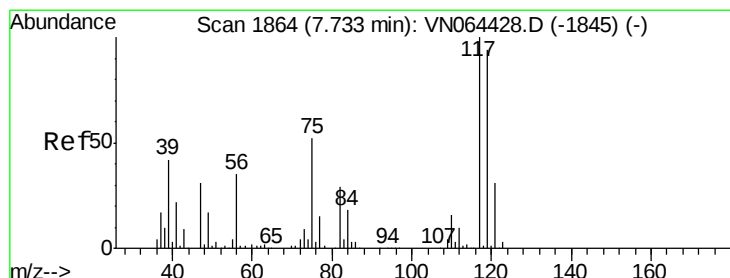
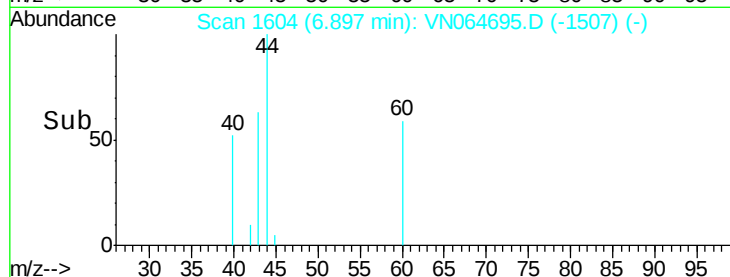
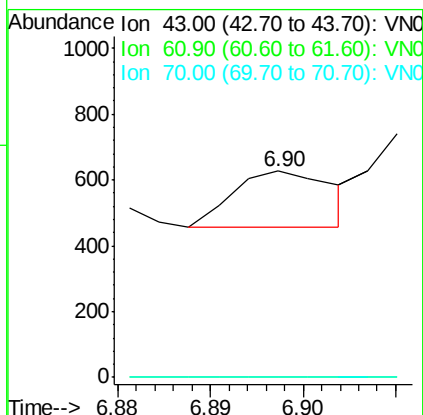
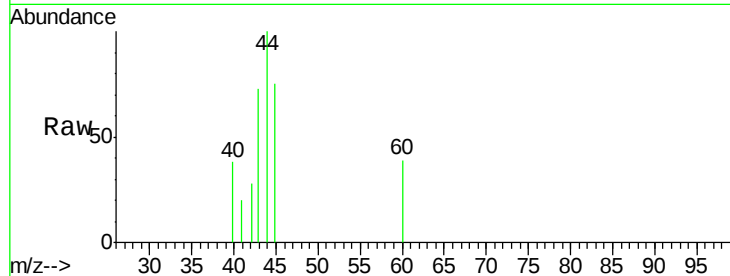




#37
Ethyl Acetate
Concen: 0.787 ug/l
RT: 6.90 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

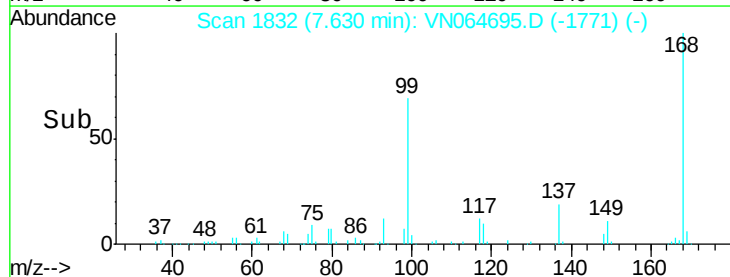
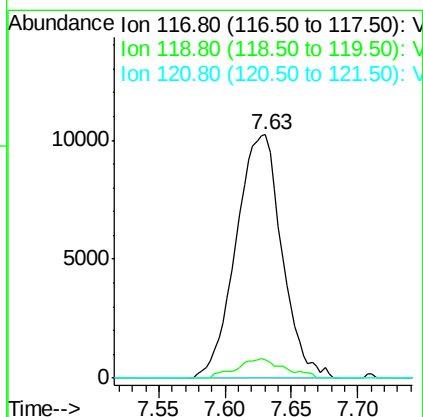
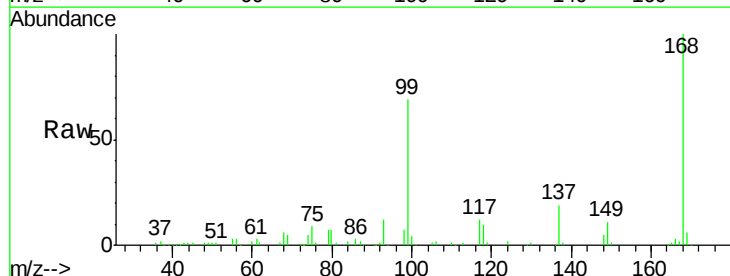
Instrument :
MSVOA_N
ClientSampleId :
MW-8

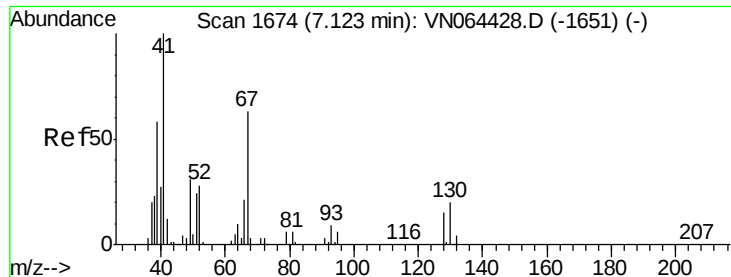
Tot Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.673 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 117 Resp: 24654
Ion Ratio Lower Upper
117 100
119 7.6 75.5 113.3#
121 0.0 24.4 36.6#

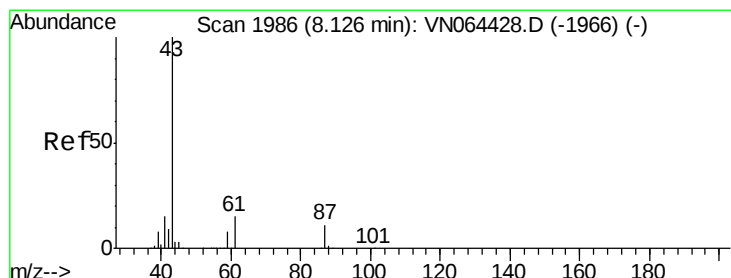
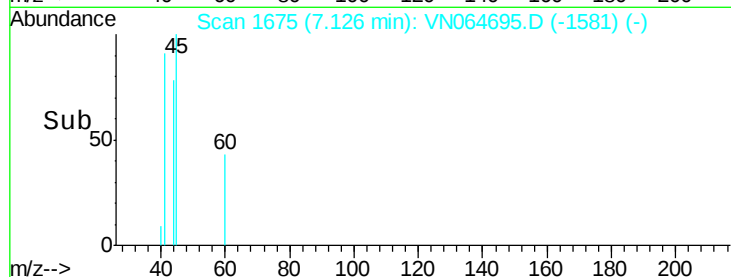
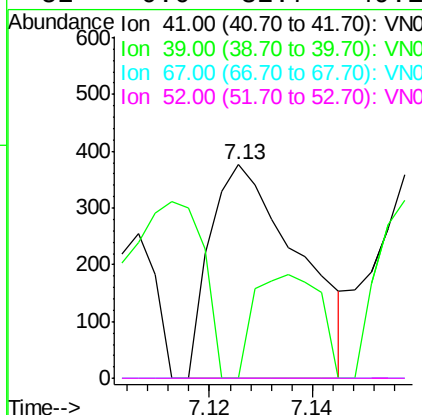
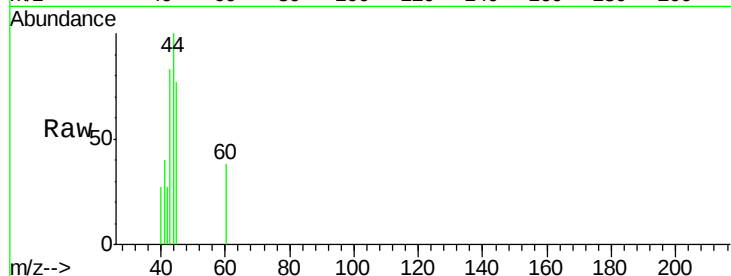




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

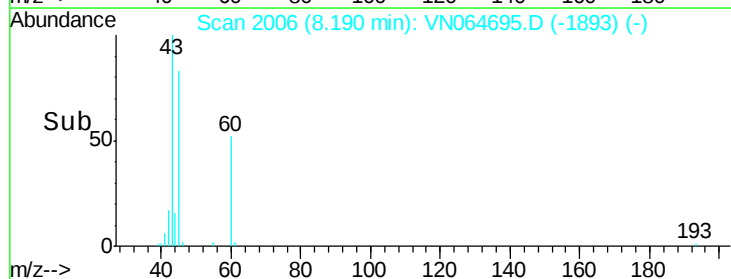
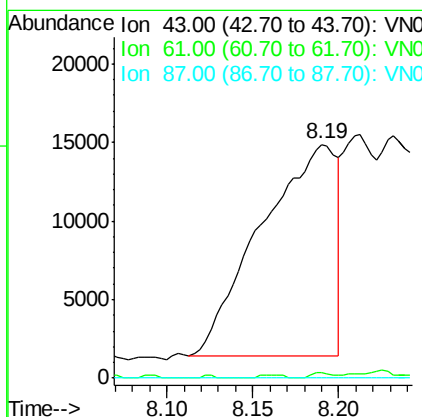
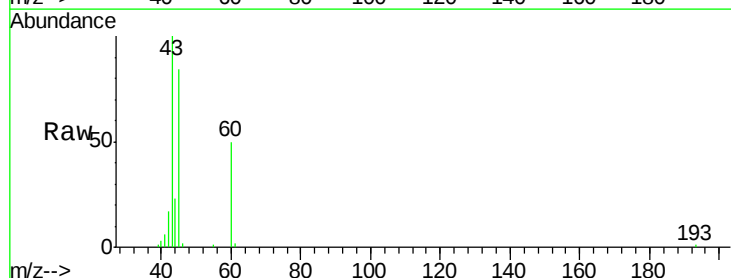
Instrument :
MSVOA_N
ClientSampled :
MW-8

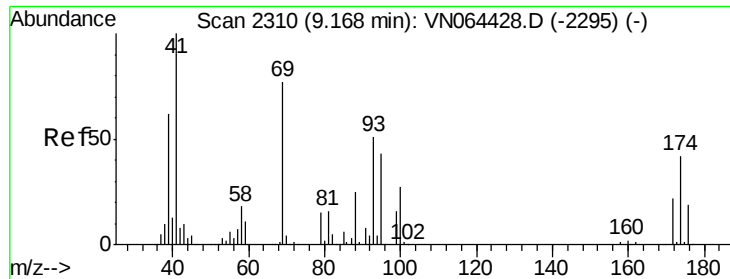
Tot Ion: 41 Resp: 449
Ion Ratio Lower Upper
41 100
39 35.9 50.0 75.0#
67 0.0 68.3 102.5#
52 0.0 32.7 49.1#



#43
Isopropyl Acetate
Concen: 5.138 ug/l
RT: 8.19 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 43 Resp: 41105
Ion Ratio Lower Upper
43 100
61 0.8 14.0 21.0#
87 0.0 9.1 13.7#

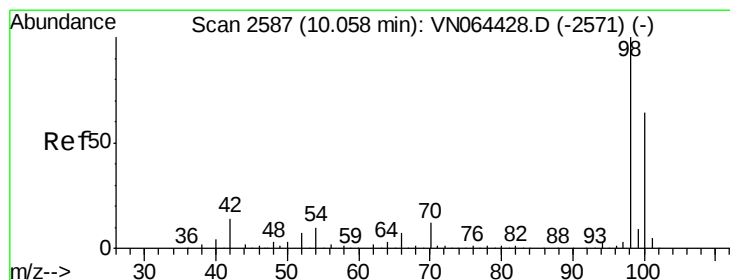
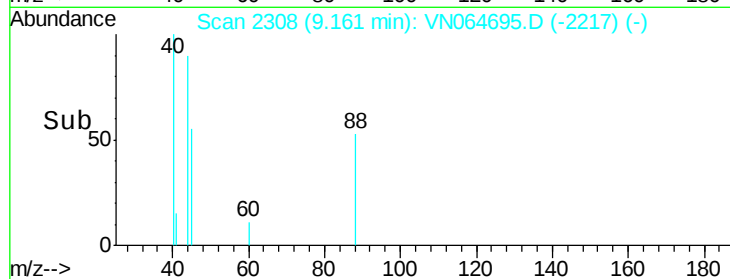
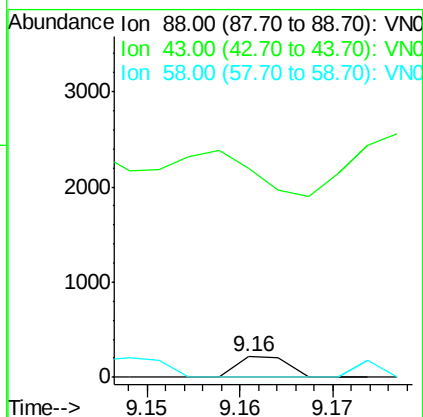
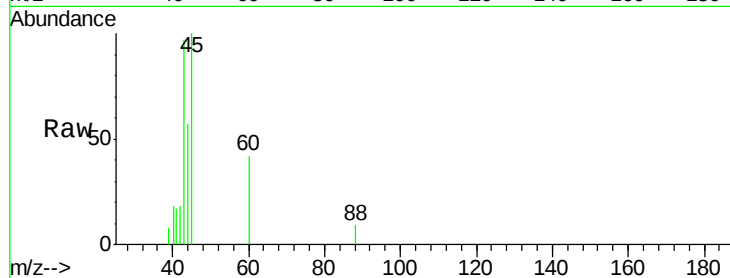




#49
1,4-Dioxane
Concen: 1.505 ug/l
RT: 9.16 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

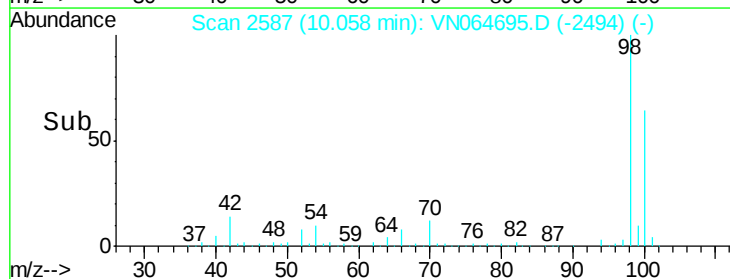
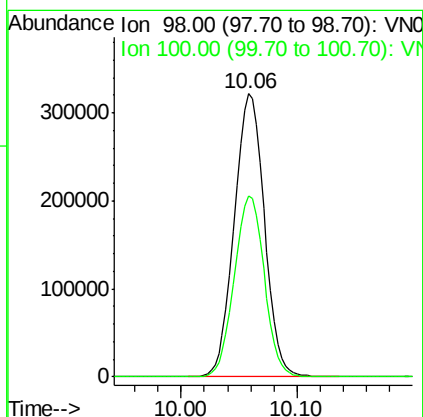
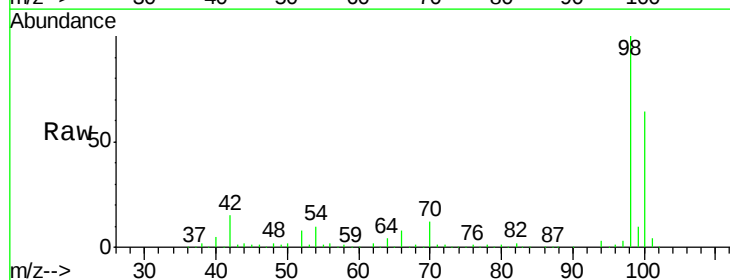
Instrument :
MSVOA_N
ClientSampleId :
MW-8

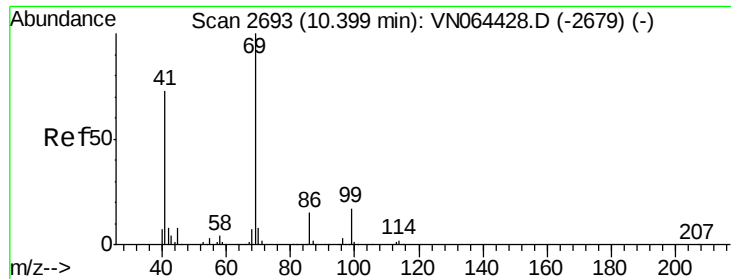
Tot Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 308.8 31.0 46.6#
58 42.5 58.4 87.6#



#50
Toluene-d8
Concen: 47.108 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 98 Resp: 579240
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#56

Ethyl methacrylate

Concen: 1.846 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064695.D

Acq: 17 Nov 2020 21:07

Instrument :

MSVOA_N

ClientSampled :

MW-8

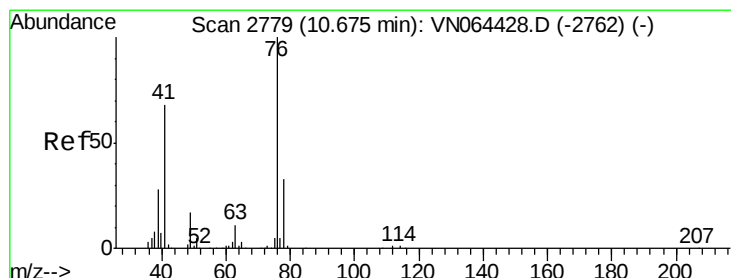
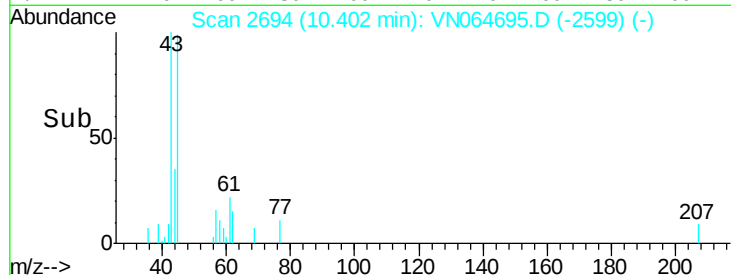
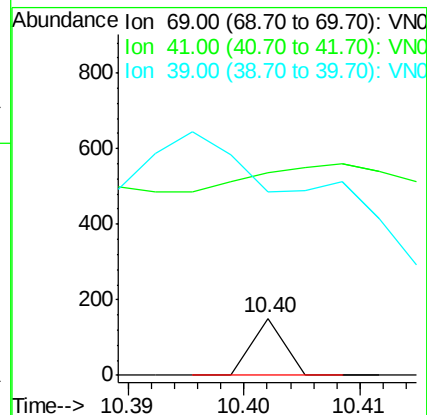
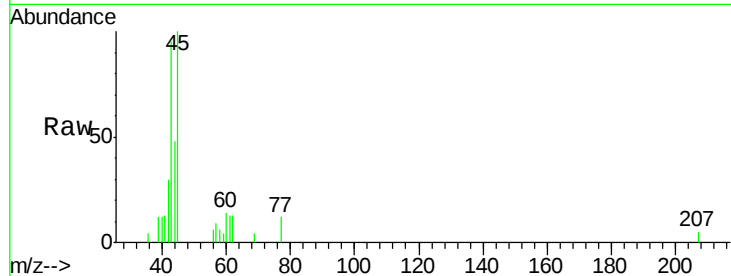
Tot Ion: 69 Resp: 29

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

39 2344.8 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 2.697 ug/l

RT: 10.78 min Scan# 2813

Delta R.T. 0.11 min

Lab File: VN064695.D

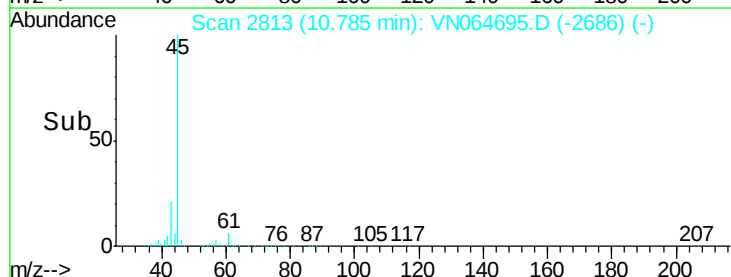
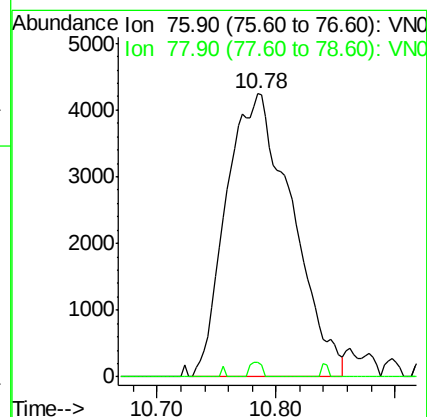
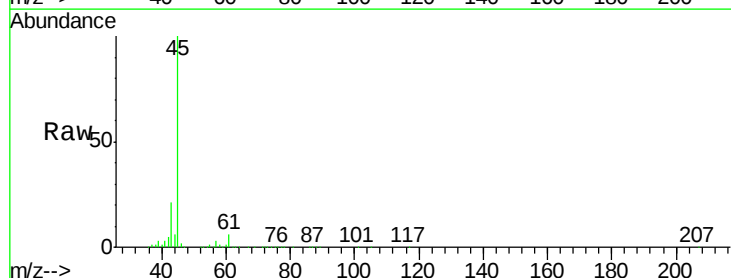
Acq: 17 Nov 2020 21:07

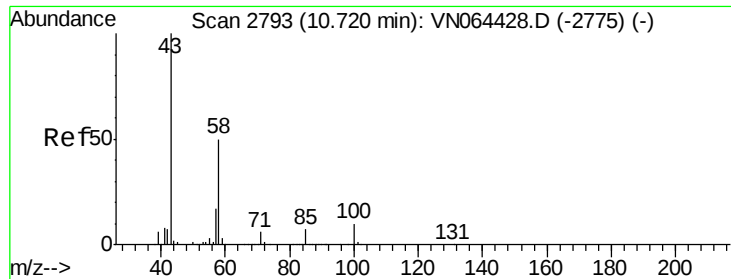
Tgt Ion: 76 Resp: 16241

Ion Ratio Lower Upper

76 100

78 0.9 25.8 38.6#

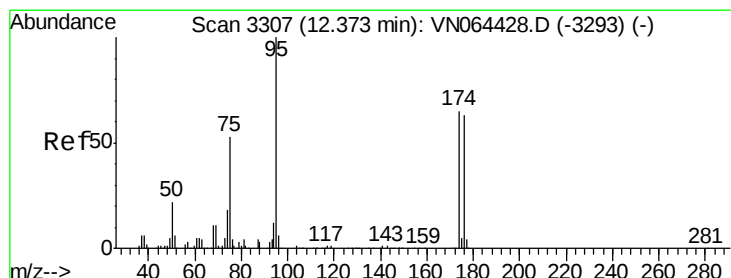
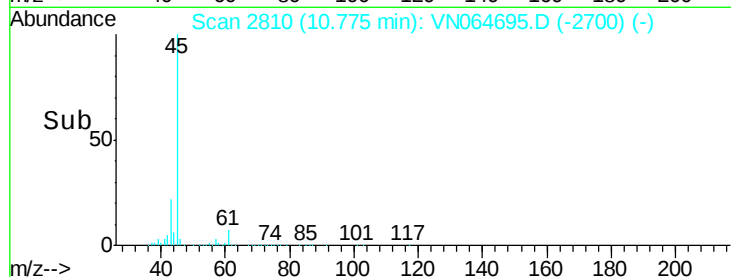
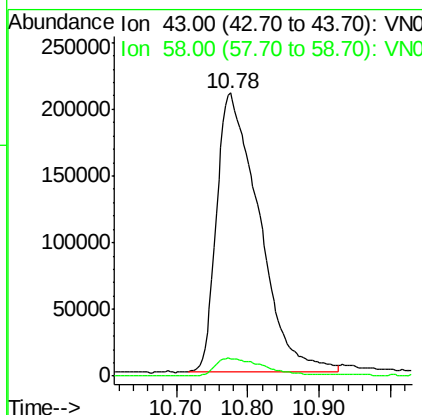
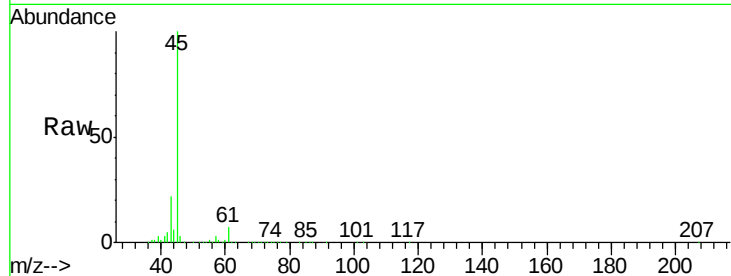




#59
2-Hexanone
Concen: 225.766 ug/l
RT: 10.78 min Scan# 2810
Delta R.T. 0.05 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

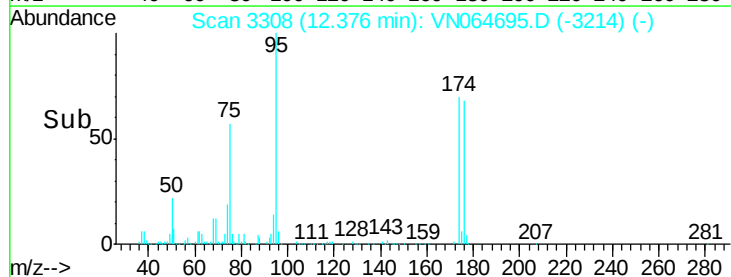
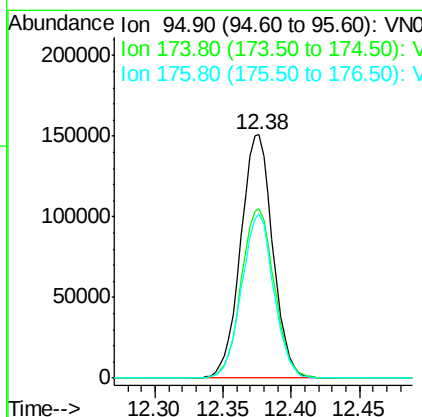
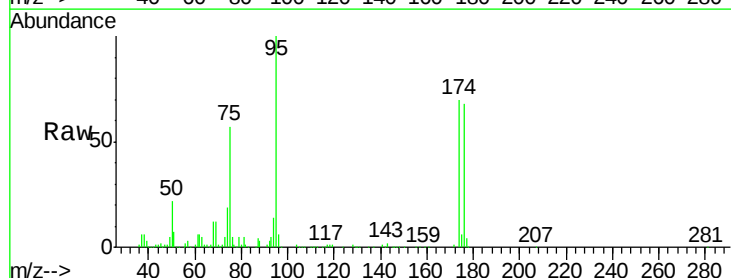
Instrument :
MSVOA_N
ClientSampled :
MW-8

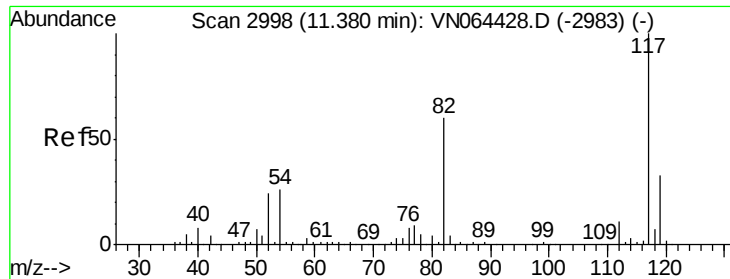
Tot Ion: 43 Resp: 857338
Ion Ratio Lower Upper
43 100
58 7.2 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 53.127 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 95 Resp: 247054
Ion Ratio Lower Upper
95 100
174 71.7 0.0 132.6
176 67.1 0.0 129.2

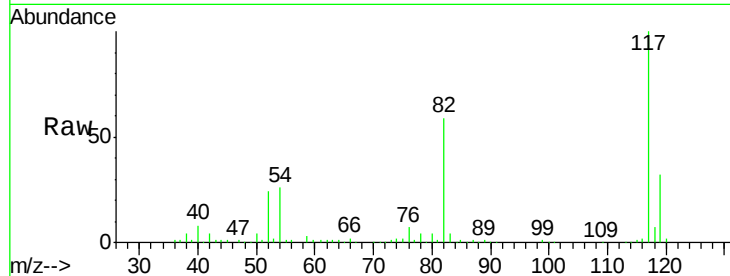




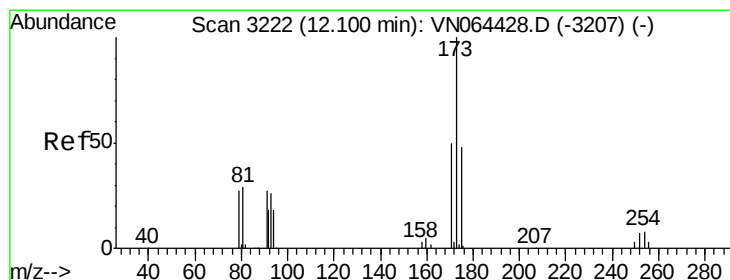
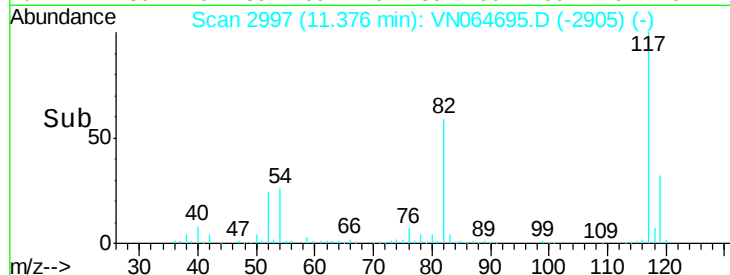
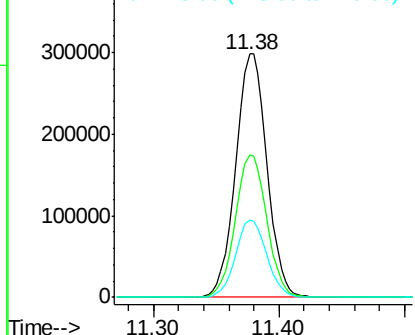
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:117 Resp: 516480
Ion Ratio Lower Upper
117 100
82 58.7 48.1 72.1
119 31.9 26.2 39.4

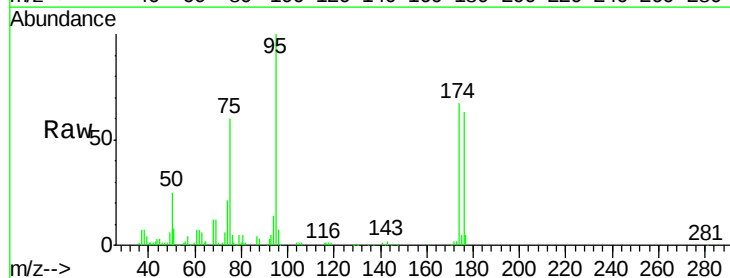


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

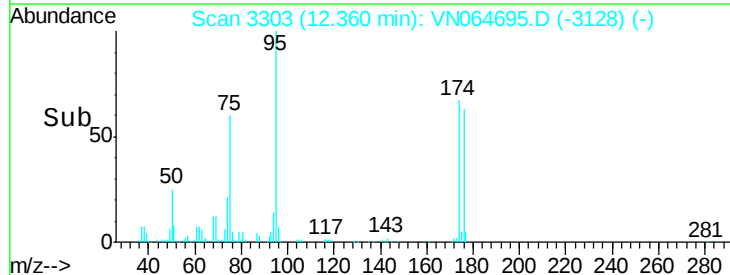
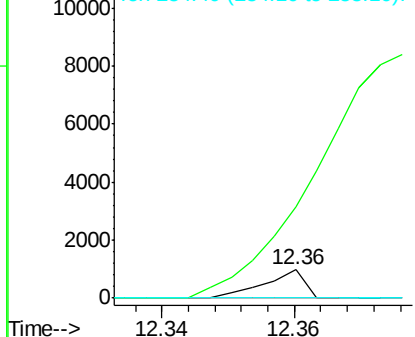


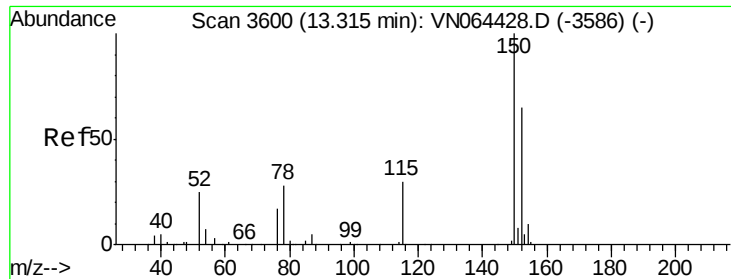
#71
Bromoform
Concen: 1.402 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion:173 Resp: 414
Ion Ratio Lower Upper
173 100
175 2815.5 23.7 71.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



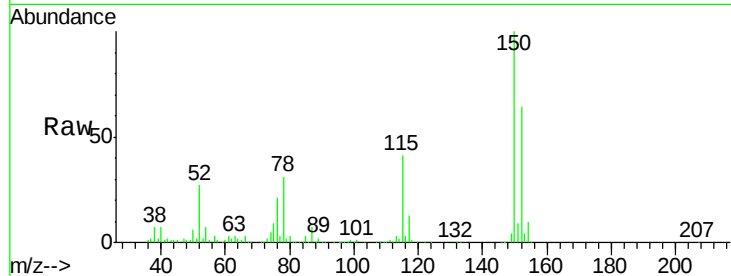


#72

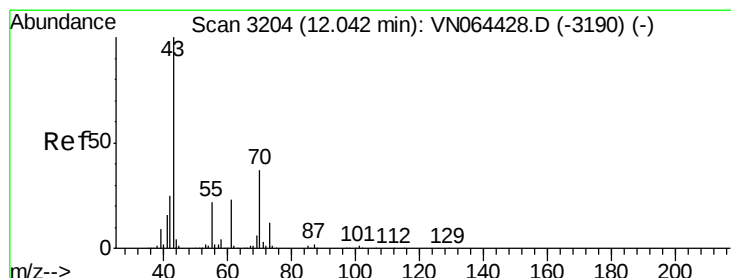
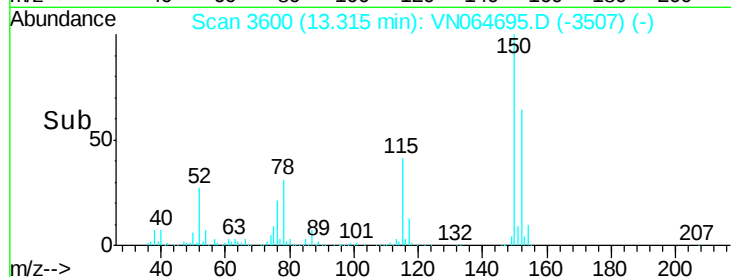
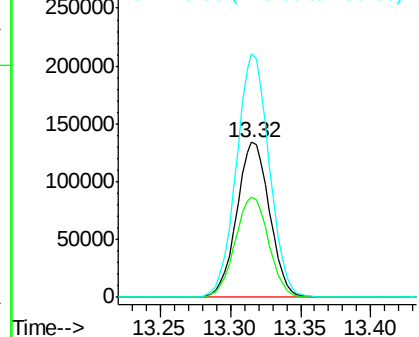
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Instrument :
MSVOA_N
ClientSampled :
MW-8

Tot Ion:152 Resp: 219041
Ion Ratio Lower Upper
152 100
115 66.2 32.0 96.0
150 157.1 0.0 353.8



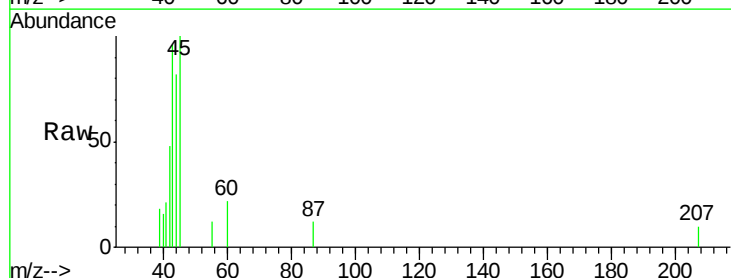
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



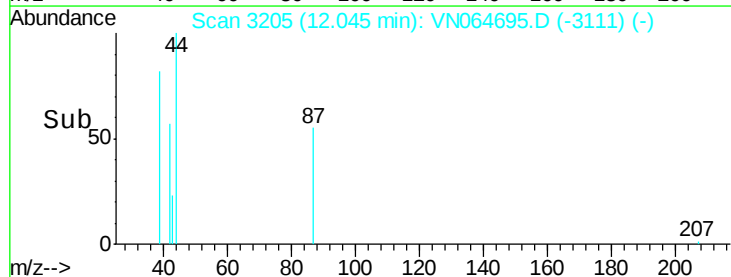
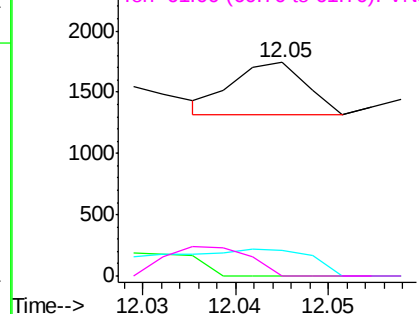
#74

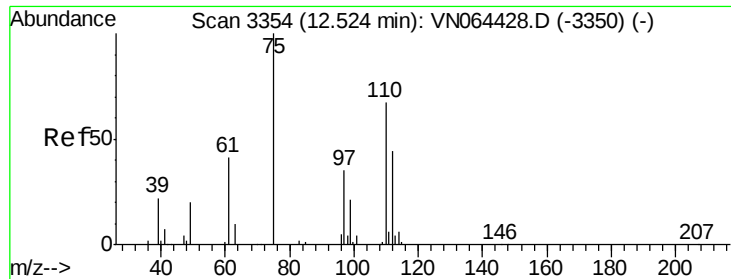
N-ethyl acetate
Concen: 1.241 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064695.D
Acq: 17 Nov 2020 21:07

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 107.7 18.4 27.6#
61 64.8 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V

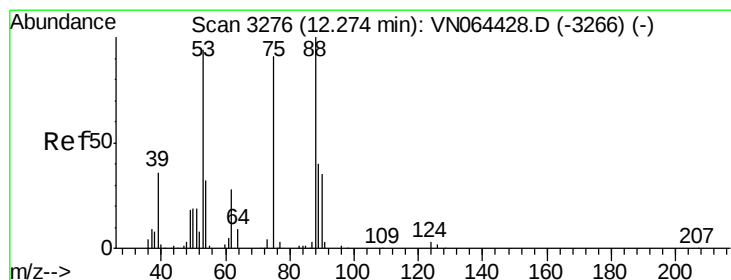
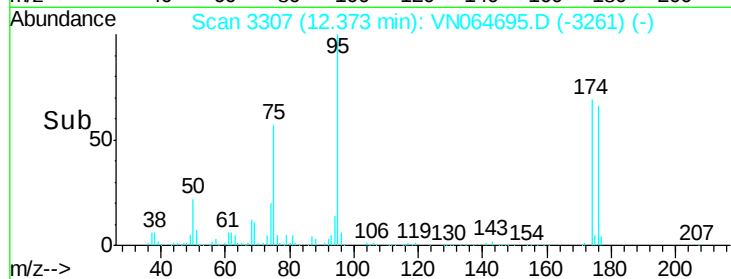
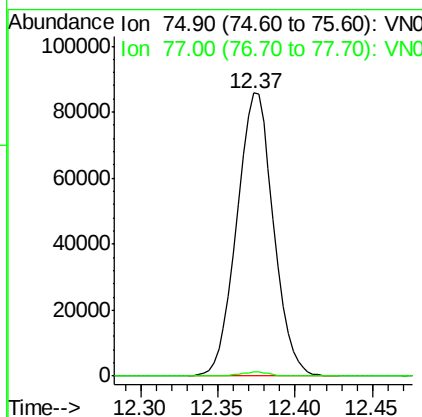
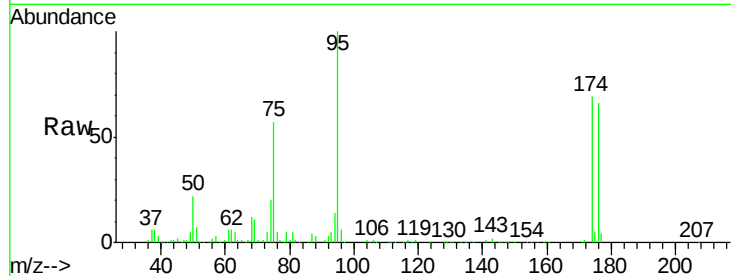




#76
 1,2,3-Trichloropropane
 Concen: 26.608 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

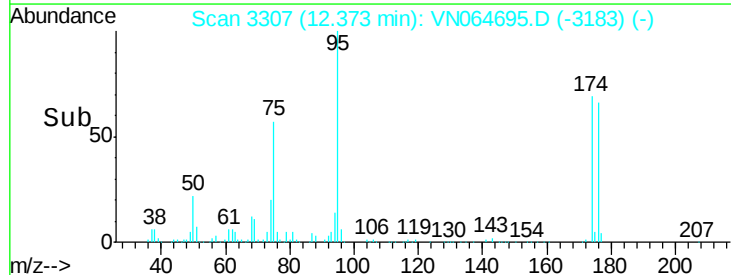
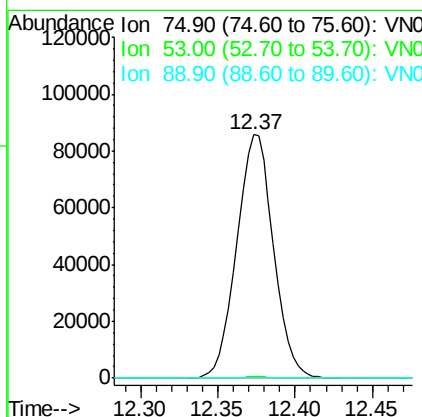
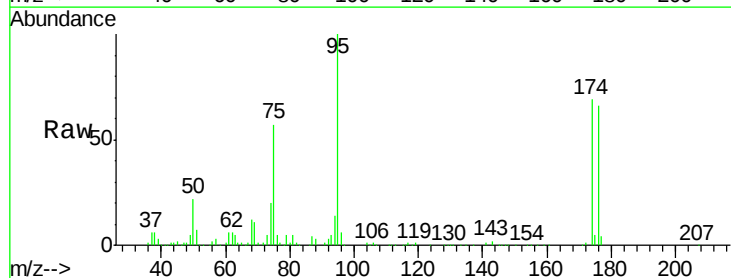
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8

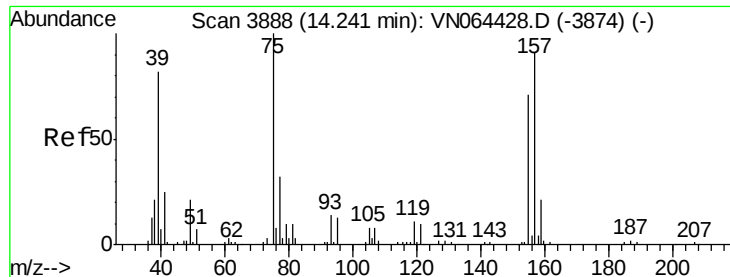
Tot Ion: 75 Resp: 141213
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.292 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

Tgt Ion: 75 Resp: 141213
 Ion Ratio Lower Upper
 75 100
 53 0.4 84.0 126.0#
 89 0.0 36.3 54.5#

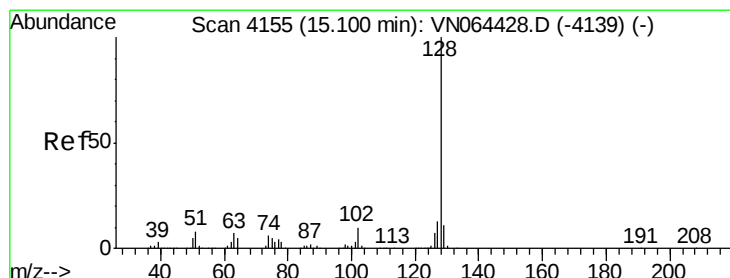
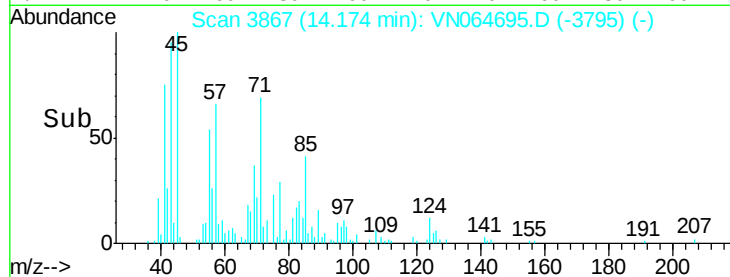
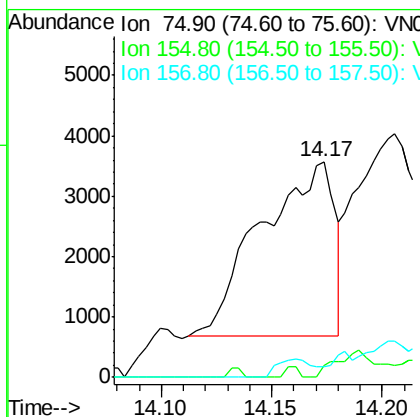
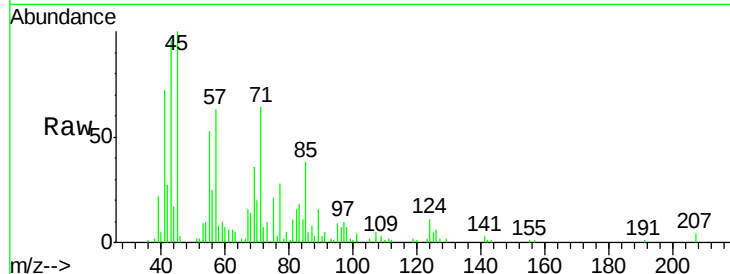




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.237 ug/l
 RT: 14.17 min Scan# 3867
 Delta R.T. -0.07 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

Instrument :
 MSVOA_N
 ClientSampled :
 MW-8

Tot Ion: 75 Resp: 6640
 Ion Ratio Lower Upper
 75 100
 155 8.7 34.6 103.9#
 157 1.8 43.0 128.8#



#95
 Naphthalene
 Concen: 3.680 ug/l
 RT: 15.10 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN064695.D
 Acq: 17 Nov 2020 21:07

Tgt Ion: 128 Resp: 742
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.8 13.2#

