

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064735.D
 Acq On : 19 Nov 2020 16:02
 Operator : JC/MD
 Sample : L4783-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

Quant Time: Nov 20 03:50:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	448097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	205597	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.55	113	137823	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
50) Toluene-d8	10.06	98	547014	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.38	95	248570	60.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.56%	

Target Compounds

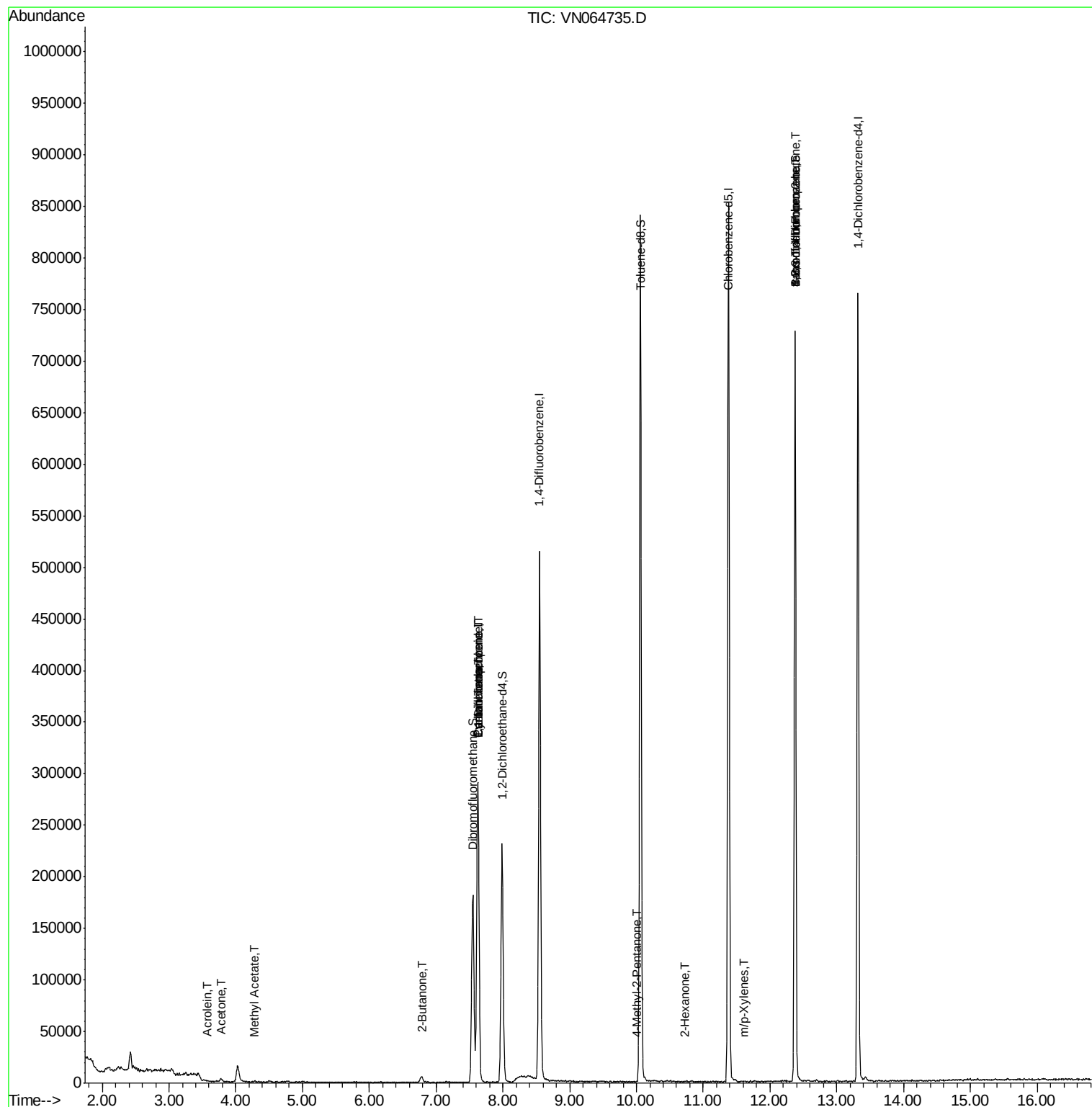
					Qvalue	
13) Acrolein	3.56	56	30	0.363	ug/l #	11
16) Acetone	3.78	43	5235	10.889	ug/l	93
18) Methyl Acetate	4.27	43	655	1.573	ug/l #	54
25) 2-Butanone	6.78	43	288	0.207	ug/l #	51
31) Cyclohexane	7.63	56	6510	1.654	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	20589	4.731	ug/l #	53
38) Carbon Tetrachloride	7.62	117	24073	5.205	ug/l #	18
51) 4-Methyl-2-Pentanone	10.00	43	390	6.219	ug/l #	39
59) 2-Hexanone	10.73	43	542	8.607	ug/l #	28
68) m/p-Xylenes	11.60	106	30	4.066	ug/l #	1
71) Bromoform	12.37	173	404	2.586	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	139147	34.633	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139147	88.050	ug/l #	5

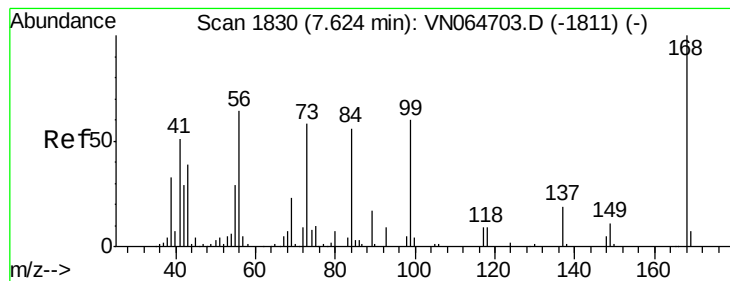
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

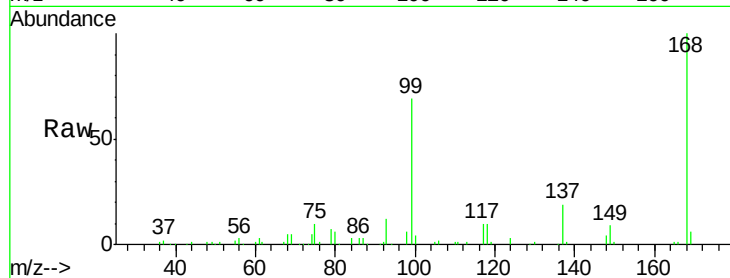
MW-13

Tot Ion:168 Resp: 206893

Ion Ratio Lower Upper

168 100

99 69.4 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

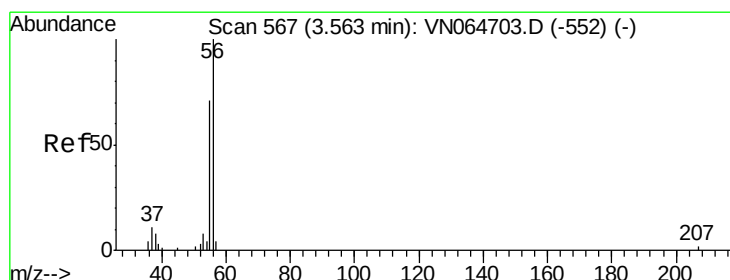
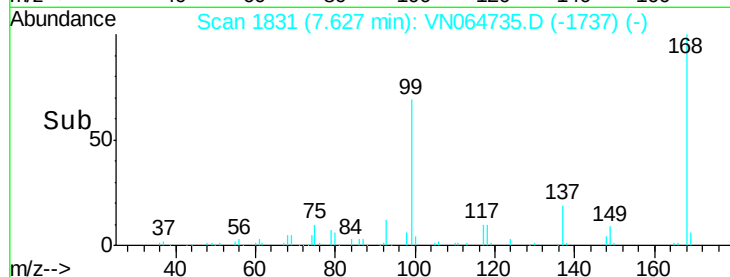
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#13

Acrolein

Concen: 0.363 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064735.D

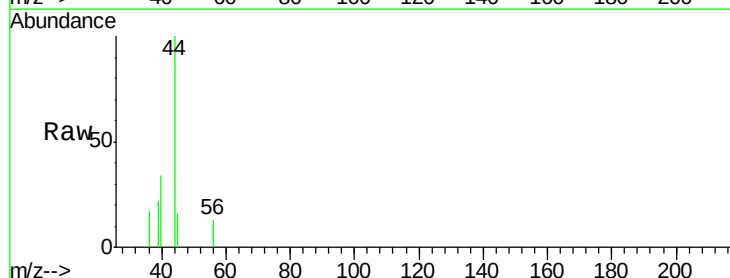
Acq: 19 Nov 2020 16:02

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.56

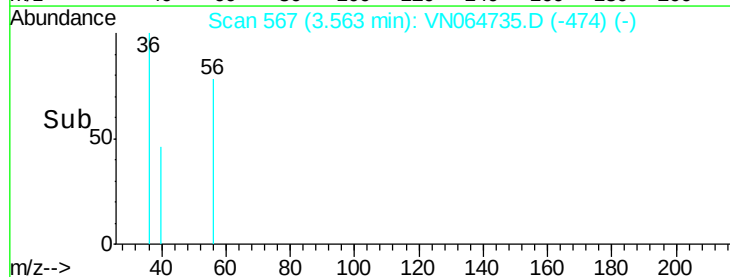
150

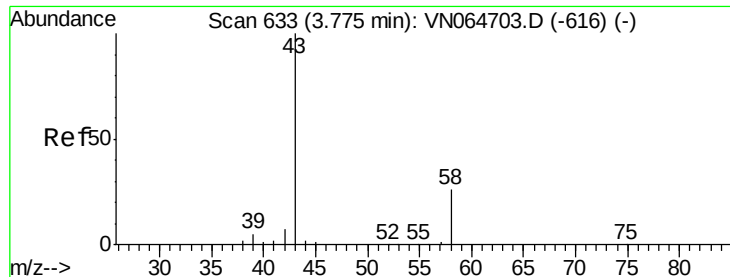
100

50

0

Time--> 3.56 3.56 3.56 3.57





#16

Acetone

Concen: 10.889 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

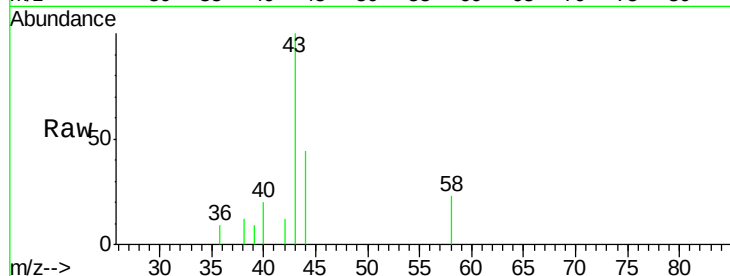
MW-13

Tot Ion: 43 Resp: 5235

Ion Ratio Lower Upper

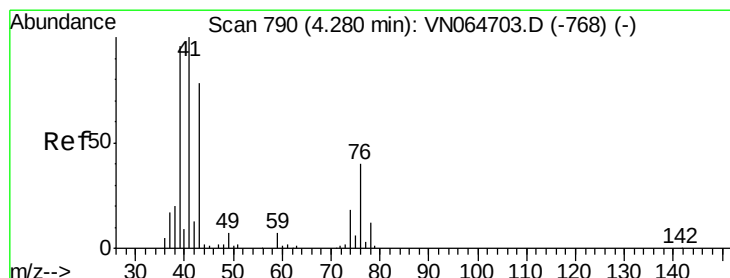
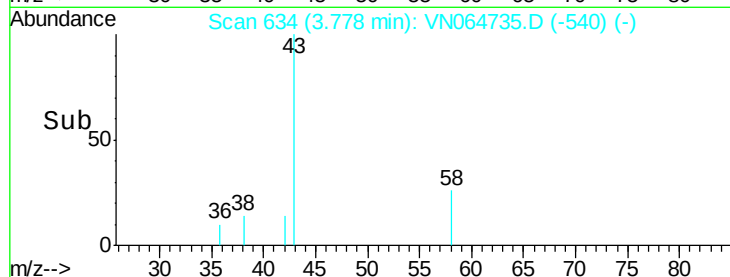
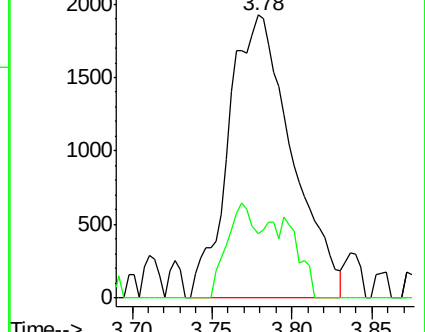
43 100

58 22.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.573 ug/l

RT: 4.27 min Scan# 786

Delta R.T. -0.01 min

Lab File: VN064735.D

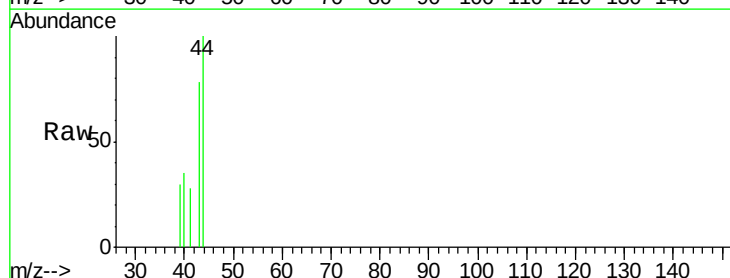
Acq: 19 Nov 2020 16:02

Tgt Ion: 43 Resp: 655

Ion Ratio Lower Upper

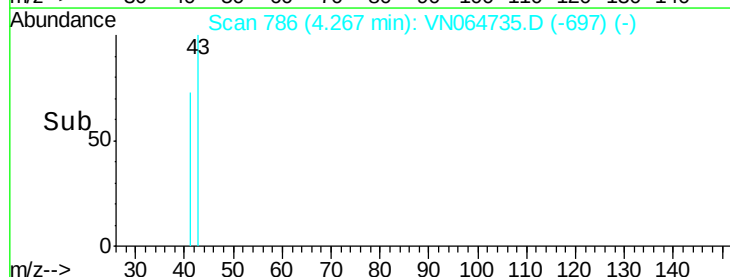
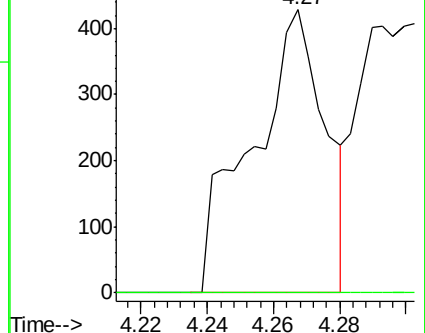
43 100

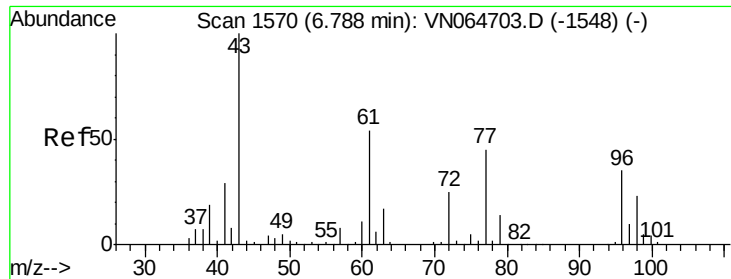
74 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

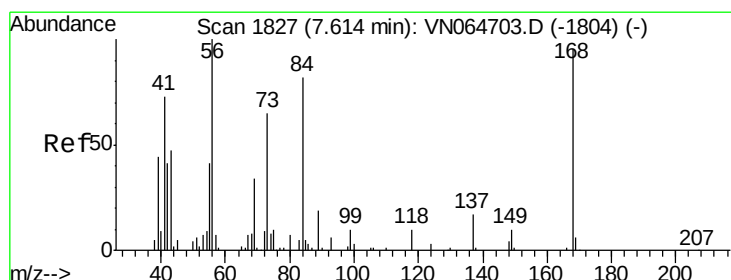
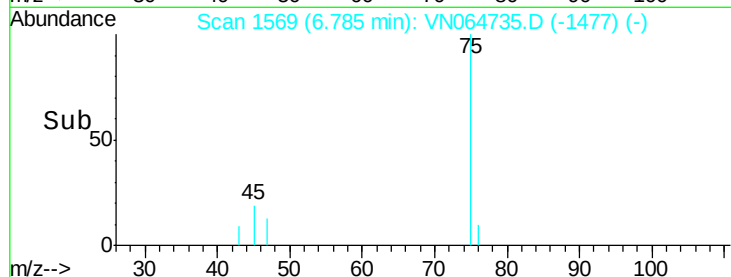
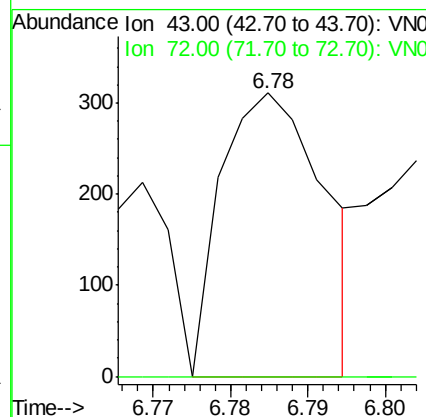
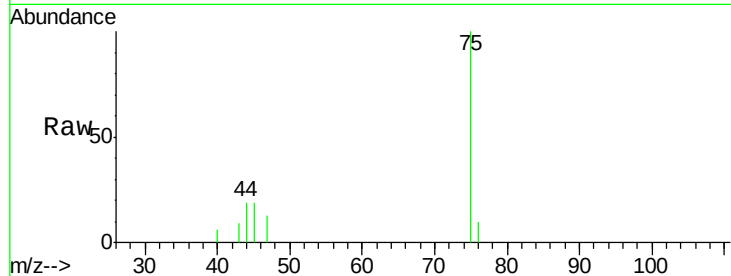




#25
2-Butanone
Concen: 0.207 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN064735.D
Acq: 19 Nov 2020 16:02

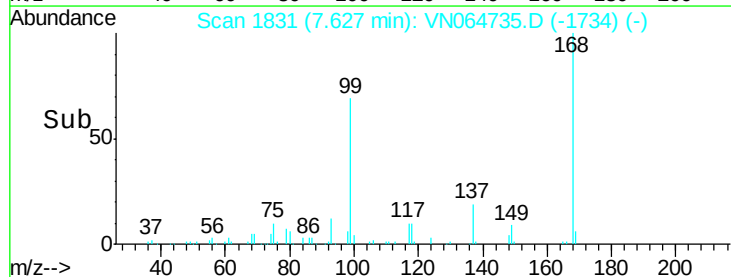
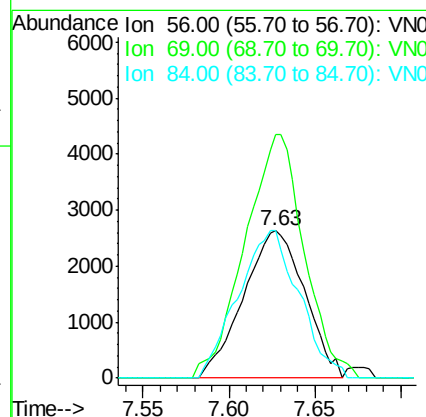
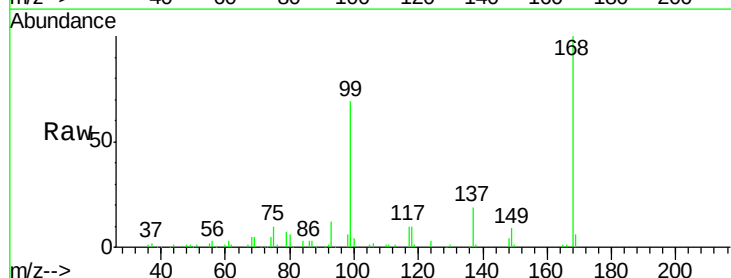
Instrument :
MSVOA_N
ClientSampled :
MW-13

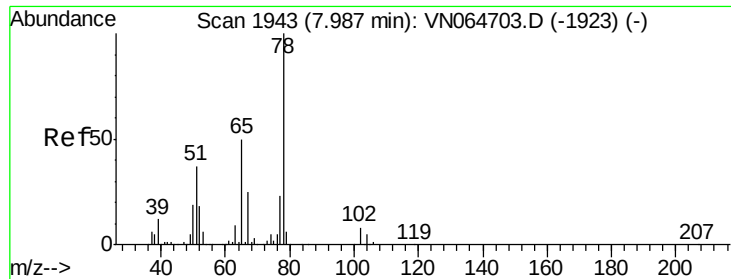
Tot Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.654 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064735.D
Acq: 19 Nov 2020 16:02

Tgt Ion: 56 Resp: 6510
Ion Ratio Lower Upper
56 100
69 165.6 27.2 40.8#
84 100.3 65.9 98.9#

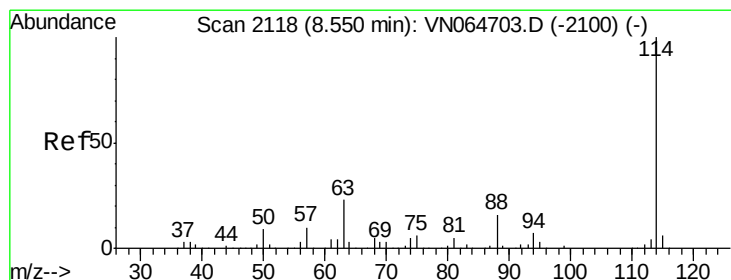
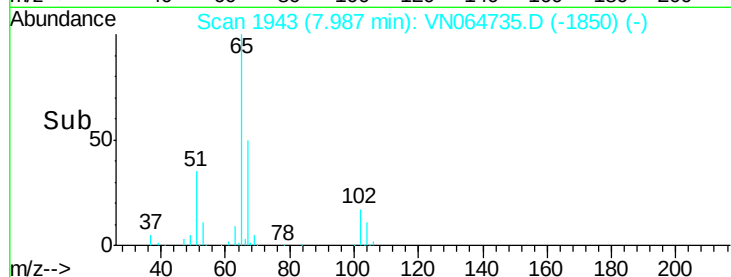
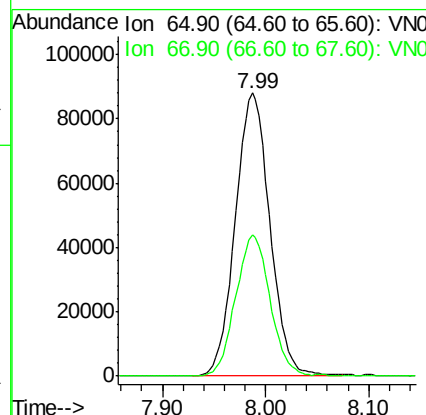
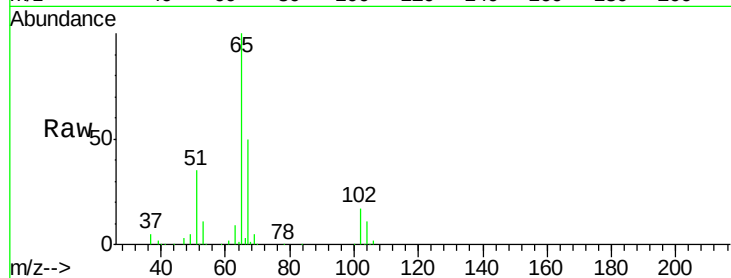




#33
 1,2-Dichloroethane-d4
 Concen: 56.489 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064735.D
 Acq: 19 Nov 2020 16:02

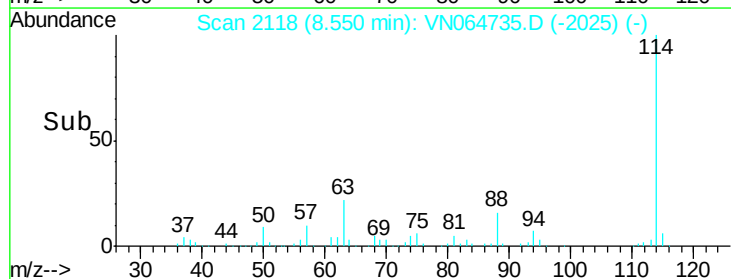
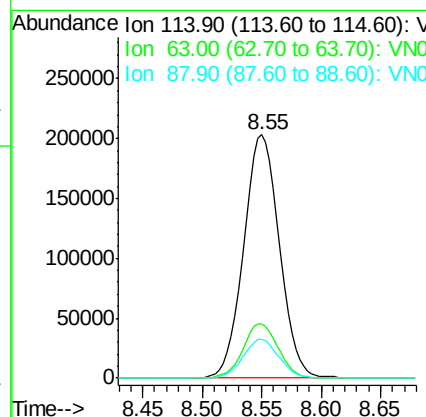
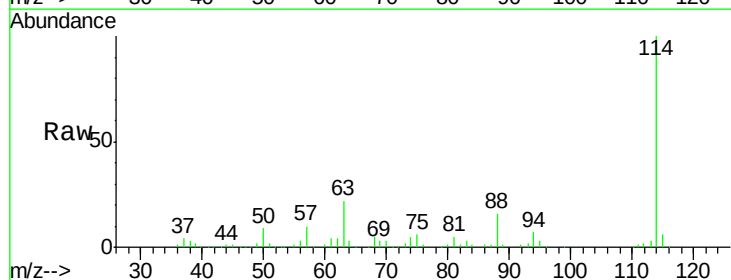
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

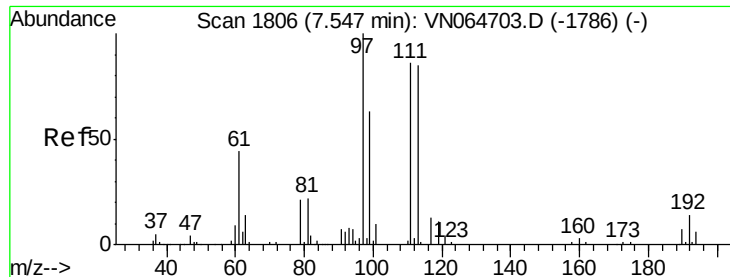
Tot Ion: 65 Resp: 205597
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064735.D
 Acq: 19 Nov 2020 16:02

Tgt Ion: 114 Resp: 422997
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.0
 88 16.1 0.0 31.2

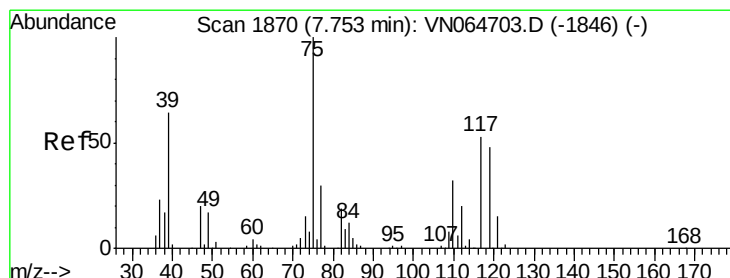
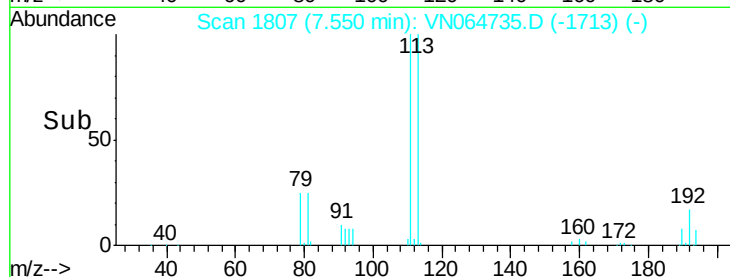
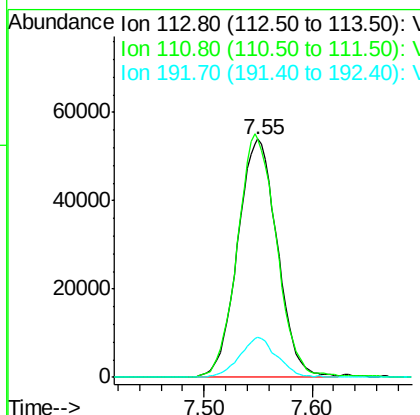
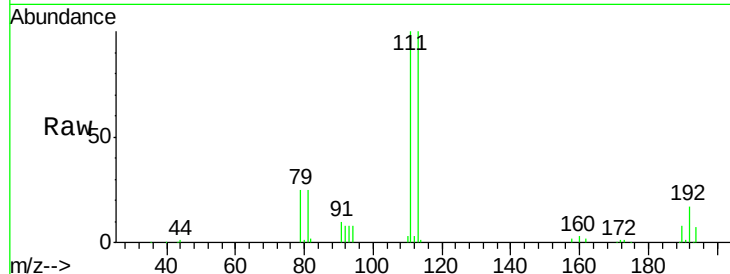




#35
 Dibromofluoromethane
 Concen: 57.245 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064735.D
 Acq: 19 Nov 2020 16:02

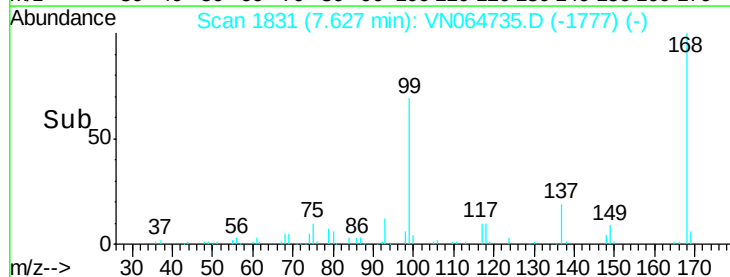
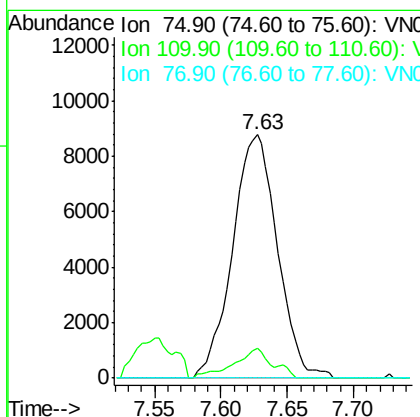
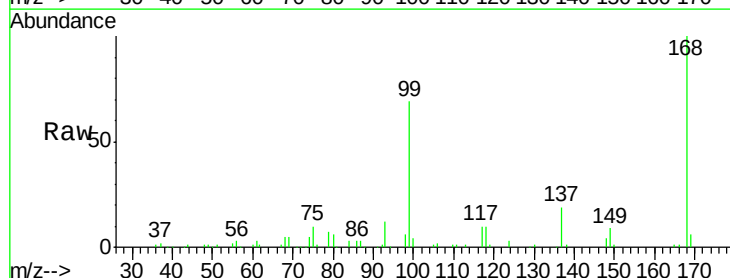
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13

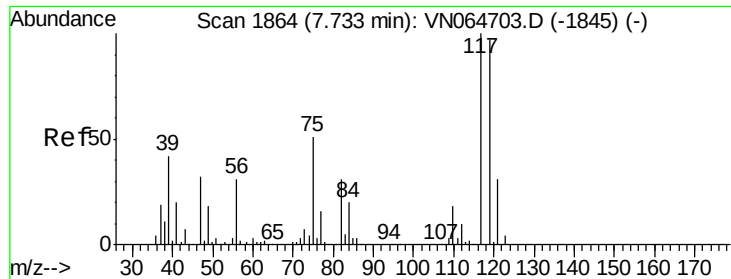
Tot Ion:113 Resp: 137823
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.2 123.4
 192 15.9 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.731 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064735.D
 Acq: 19 Nov 2020 16:02

Tgt Ion: 75 Resp: 20589
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.2 48.6#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.205 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

MW-13

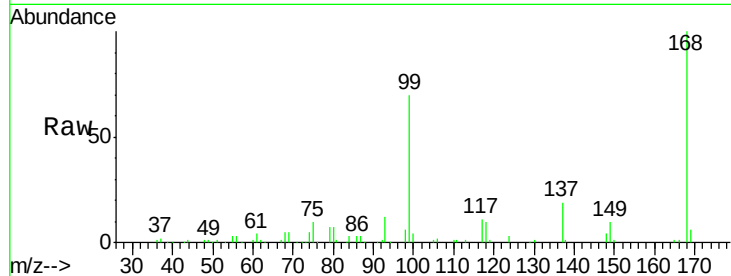
Tot Ion:117 Resp: 24073

Ion Ratio Lower Upper

117 100

119 8.6 77.8 116.6#

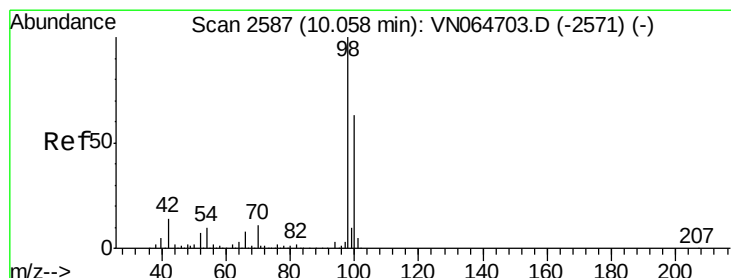
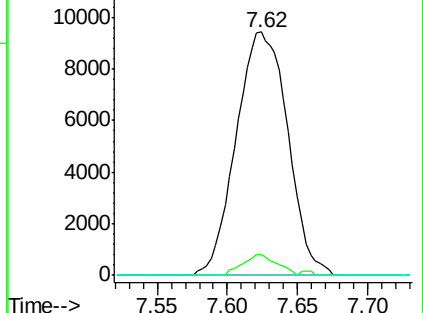
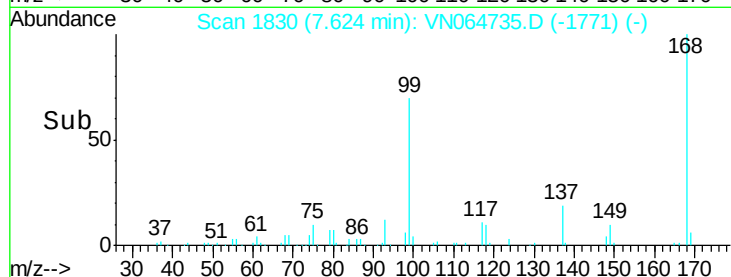
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.992 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064735.D

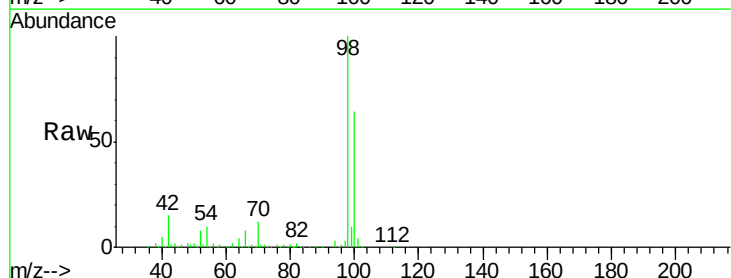
Acq: 19 Nov 2020 16:02

Tgt Ion: 98 Resp: 547014

Ion Ratio Lower Upper

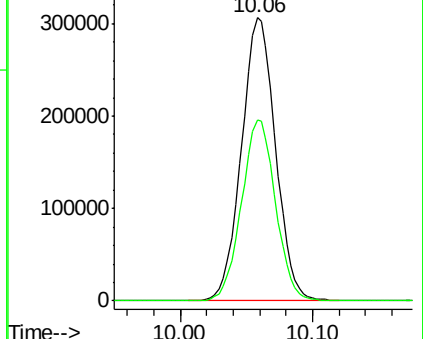
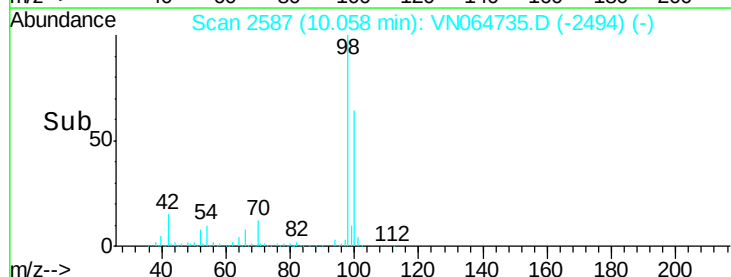
98 100

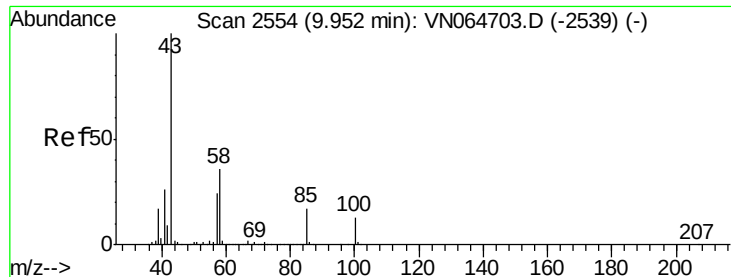
100 63.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 6.219 ug/l

RT: 10.00 min Scan# 2569

Delta R.T. 0.05 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

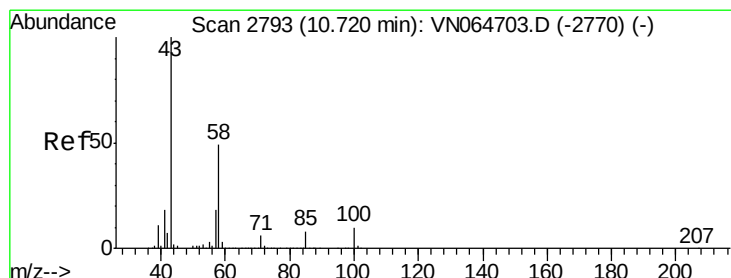
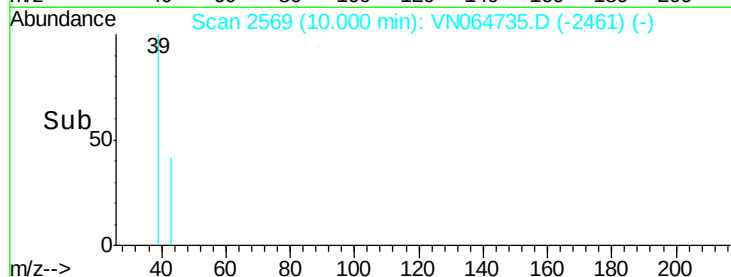
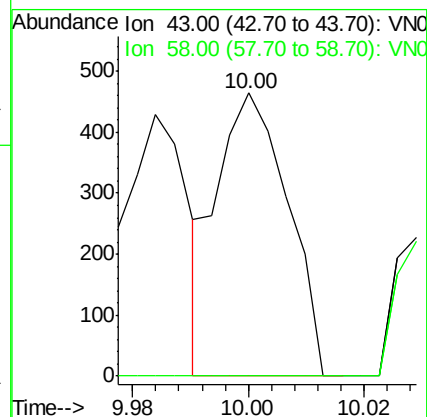
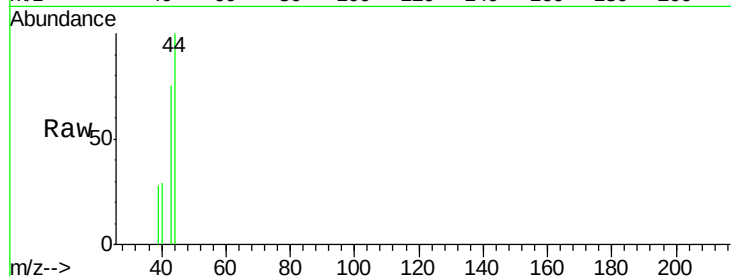
MW-13

Tot Ion: 43 Resp: 390

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



#59

2-Hexanone

Concen: 8.607 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN064735.D

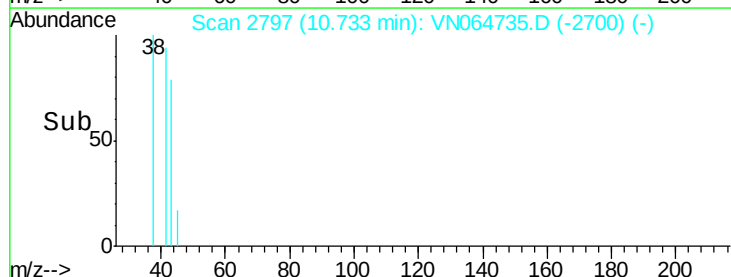
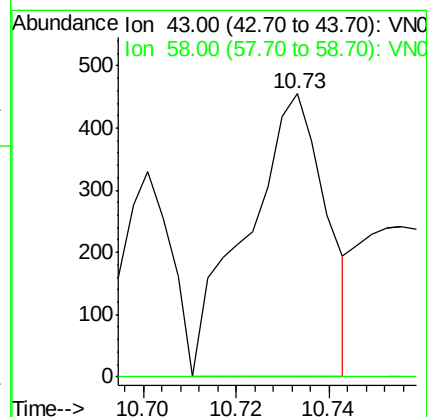
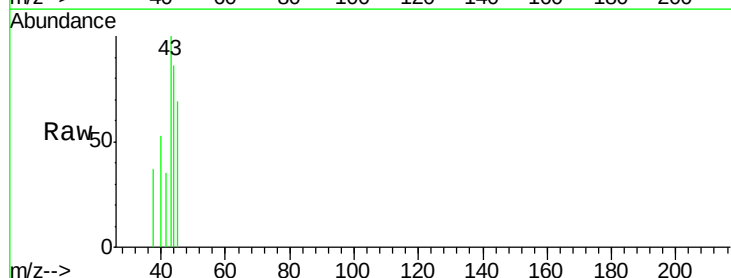
Acq: 19 Nov 2020 16:02

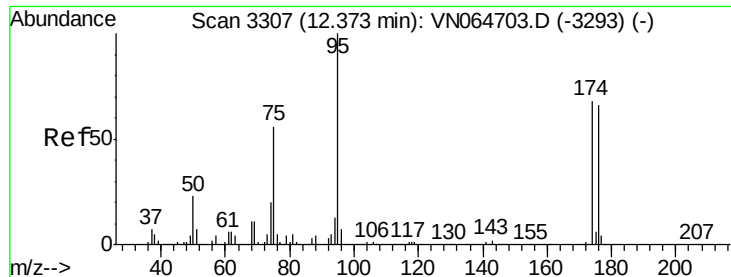
Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 60.776 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

MW-13

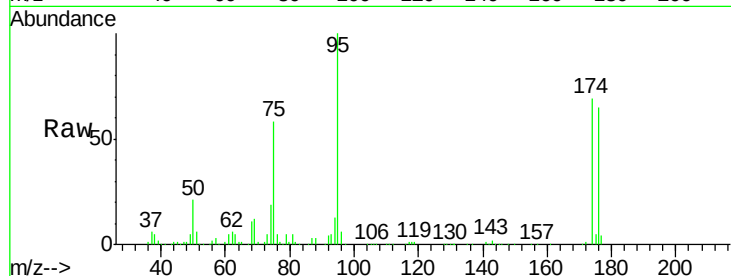
Tot Ion: 95 Resp: 248570

Ion Ratio Lower Upper

95 100

174 68.8 0.0 136.8

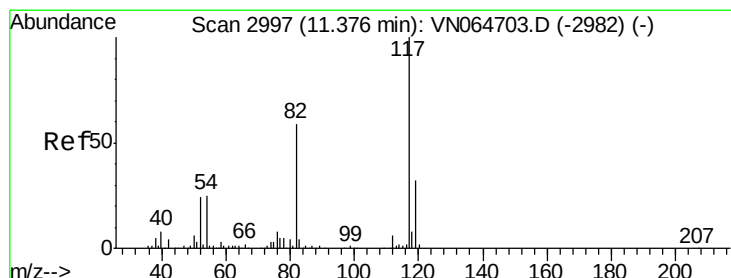
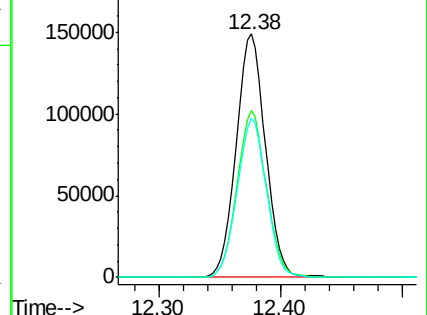
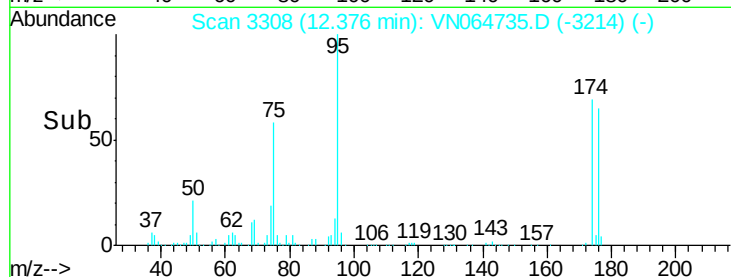
176 65.0 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN064735.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064735.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064735.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

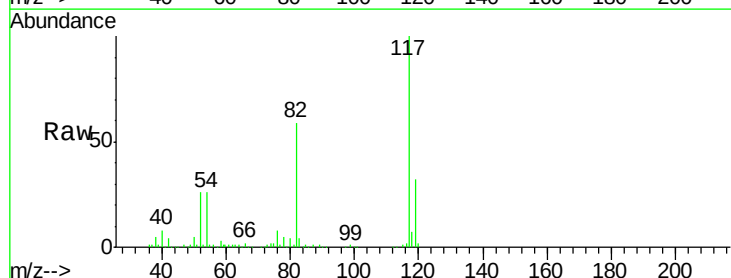
Tgt Ion: 117 Resp: 448097

Ion Ratio Lower Upper

117 100

82 58.7 47.0 70.6

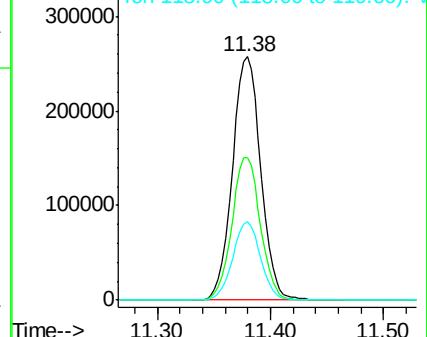
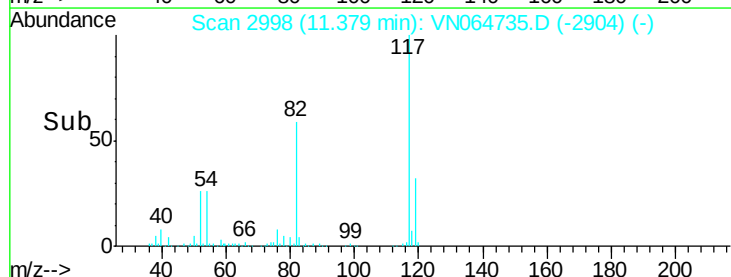
119 32.3 25.4 38.2

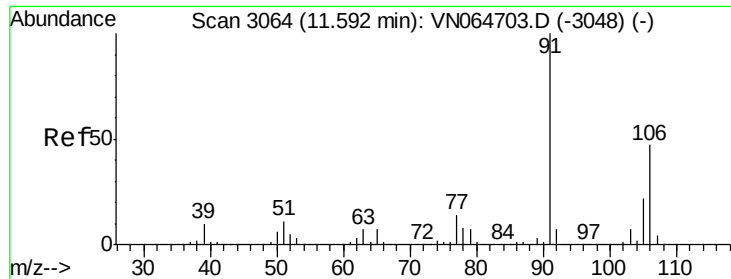


Abundance Ion 116.90 (116.60 to 117.60): VN064735.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN064735.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN064735.D (-2904) (-)





#68

m/p-Xvlenes

Concen: 4.066 ug/l

RT: 11.60 min Scan# 3068

Delta R.T. 0.01 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampled :

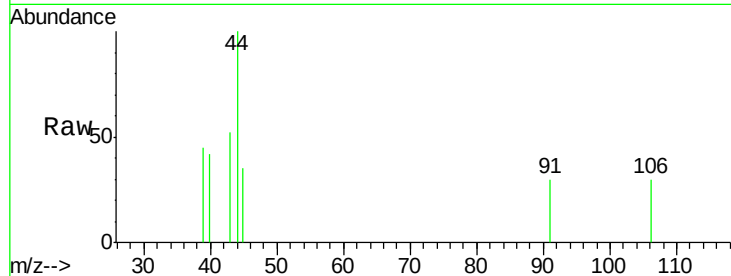
MW-13

Tot Ion:106 Resp: 30

Ion Ratio Lower Upper

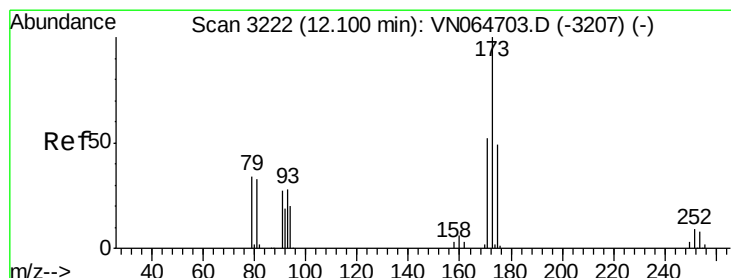
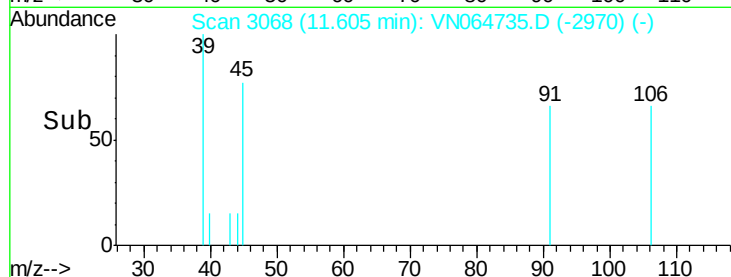
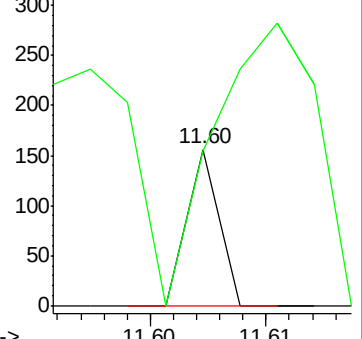
106 100

91 576.7 171.9 257.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 2.586 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

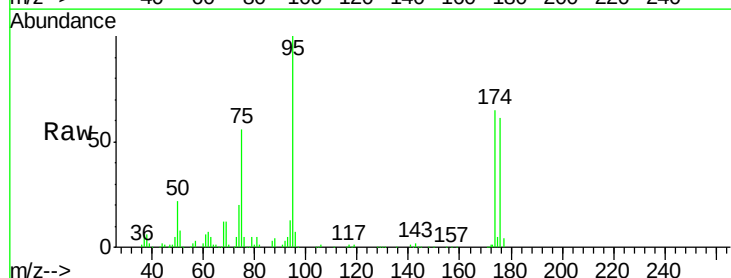
Tgt Ion:173 Resp: 404

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

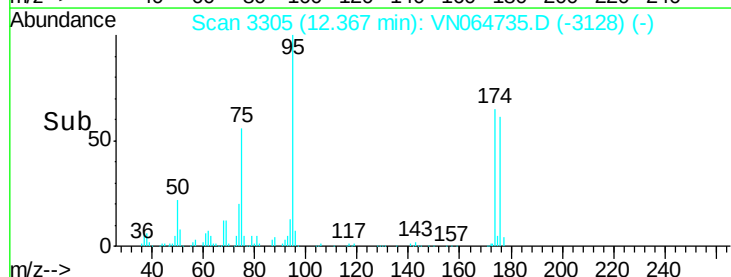
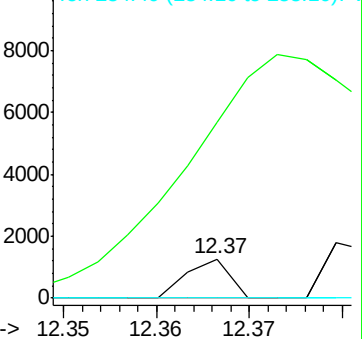
254 0.0 0.1 0.1#

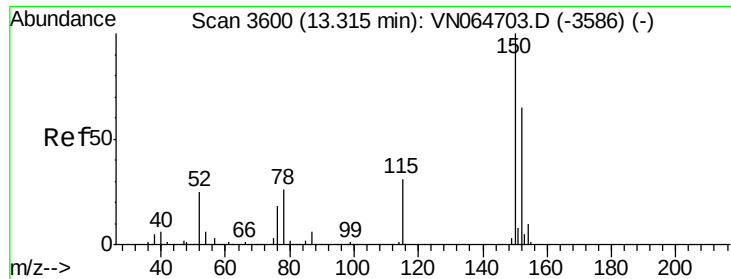


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



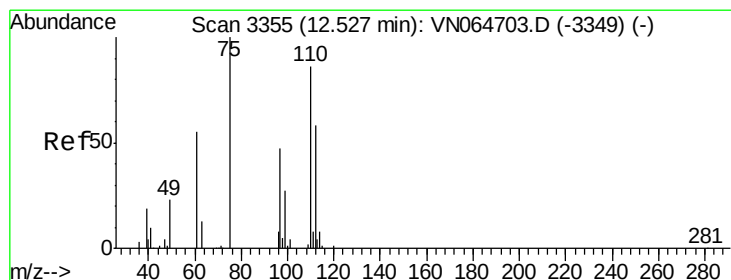
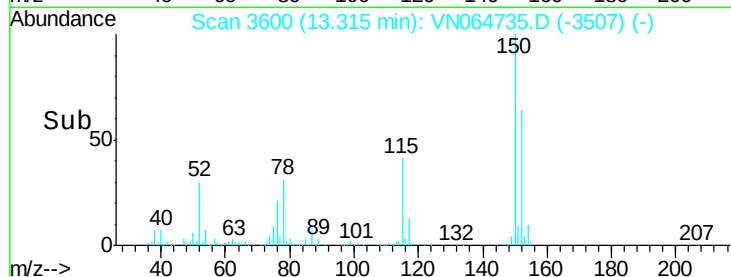
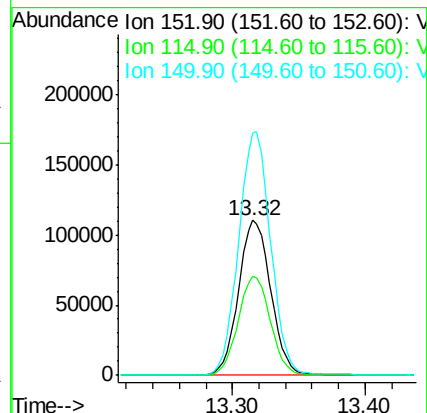
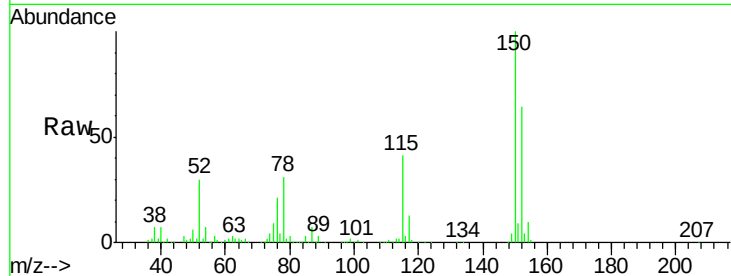


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064735.D
Acq: 19 Nov 2020 16:02

Instrument :
MSVOA_N
ClientSampled :
MW-13

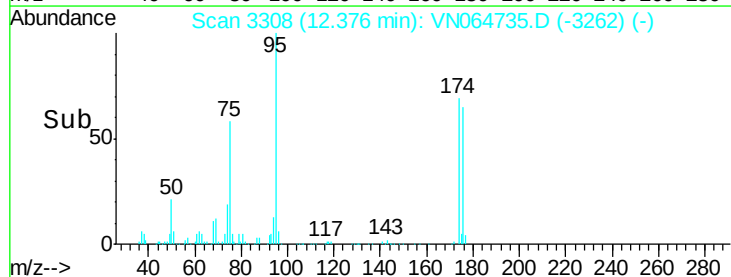
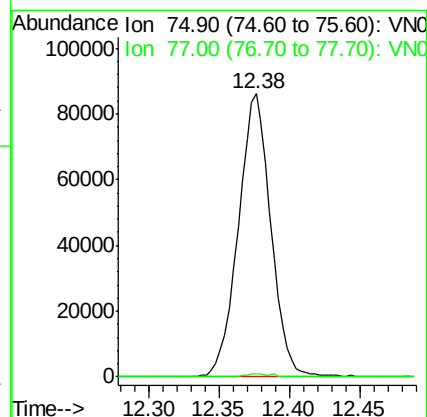
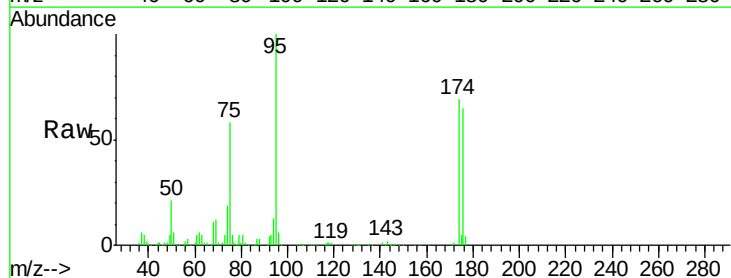
Tot Ion:152 Resp: 186468
Ion Ratio Lower Upper
152 100
115 63.9 32.1 96.3
150 156.1 0.0 344.8

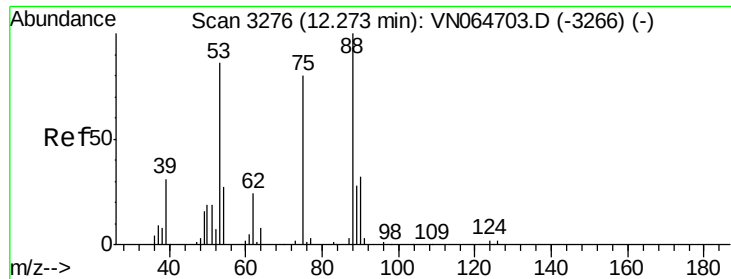


#76

1,2,3-Trichloropropane
Concen: 34.633 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064735.D
Acq: 19 Nov 2020 16:02

Tgt Ion: 75 Resp: 139147
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 88.050 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064735.D

Acq: 19 Nov 2020 16:02

Instrument :

MSVOA_N

ClientSampleId :

MW-13

Tot Ion: 75 Resp: 139147

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

89 0.0 43.1 64.7#

