

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064744.D
 Acq On : 19 Nov 2020 19:38
 Operator : JC/MD
 Sample : L4783-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Quant Time: Nov 20 03:54:06 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	204469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	431911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207029	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	209917	58.36	ug/l	0.00
Spiked Amount			Recovery	=	116.72%	
35) Dibromofluoromethane	7.55	113	141795	57.68	ug/l	0.00
Spiked Amount			Recovery	=	115.36%	
50) Toluene-d8	10.06	98	565650	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.37	95	221086	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	

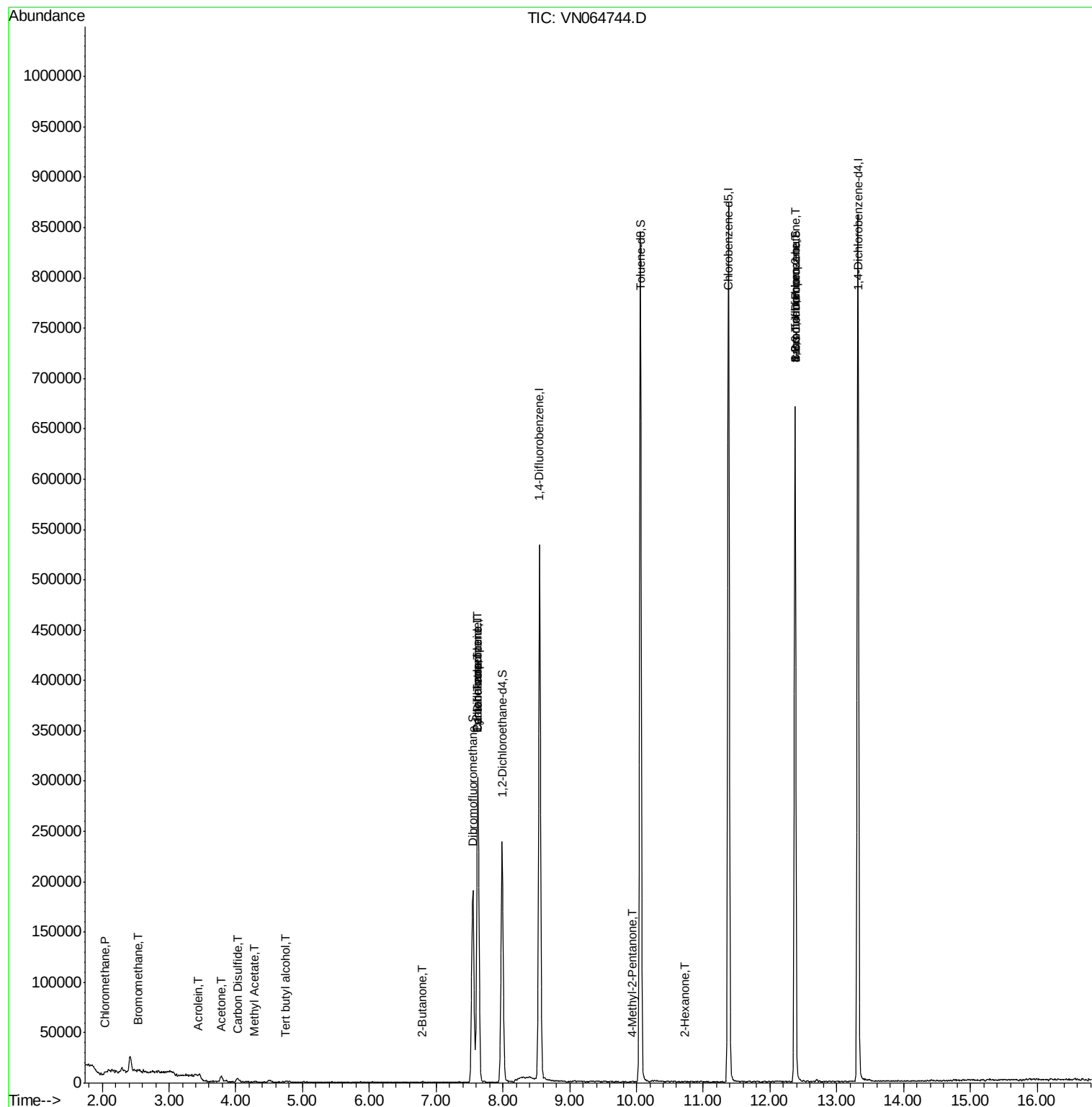
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1552	0.549	ug/l #	88
5) Bromomethane	2.55	94	520	0.241	ug/l #	13
11) Tert butyl alcohol	4.74	59	191	0.547	ug/l #	70
13) Acrolein	3.43	56	133	1.628	ug/l #	66
16) Acetone	3.78	43	8456	14.584	ug/l #	87
17) Carbon Disulfide	4.02	76	660	0.234	ug/l #	75
18) Methyl Acetate	4.27	43	366	1.469	ug/l #	72
25) 2-Butanone	6.79	43	502	0.365	ug/l #	51
31) Cyclohexane	7.62	56	6544	1.683	ug/l #	37
36) 1,1-Dichloropropene	7.62	75	21161	4.762	ug/l #	46
38) Carbon Tetrachloride	7.63	117	26333	5.576	ug/l #	16
51) 4-Methyl-2-Pentanone	9.94	43	435	6.227	ug/l #	39
59) 2-Hexanone	10.73	43	372	8.552	ug/l #	28
71) Bromoform	12.37	173	1740	3.027	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	128855	28.886	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	128855	73.693	ug/l #	5

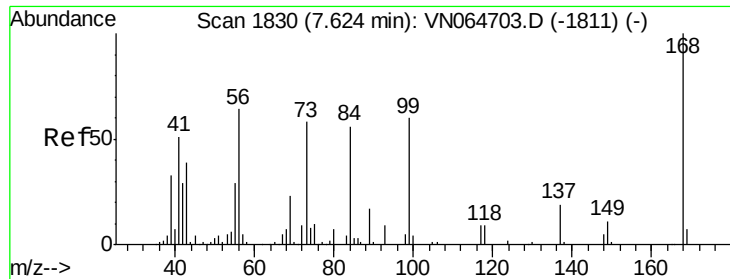
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampled :

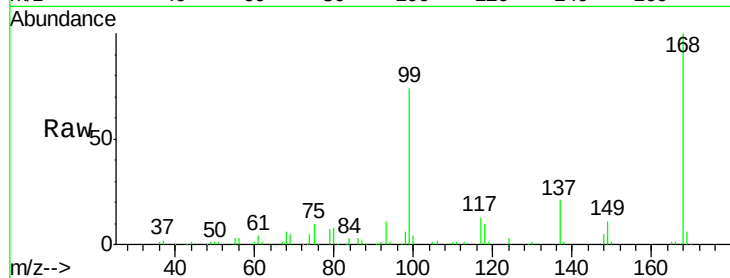
MW-15

Tot Ion:168 Resp: 204469

Ion Ratio Lower Upper

168 100

99 73.3 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

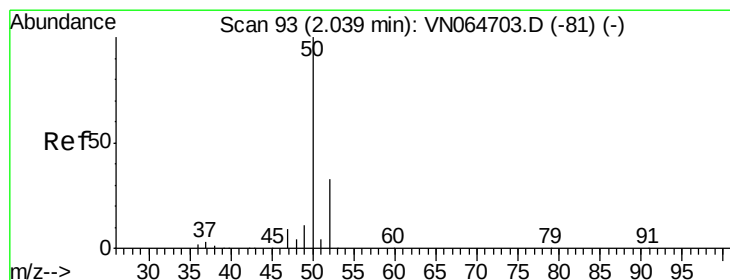
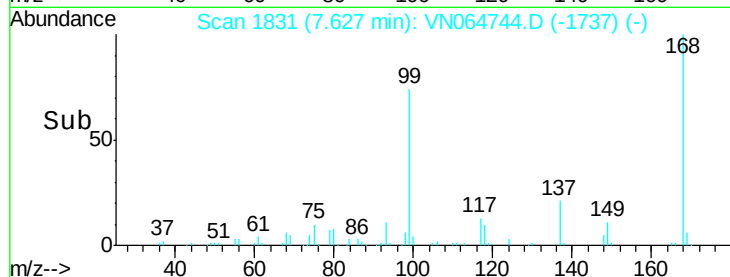
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.549 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064744.D

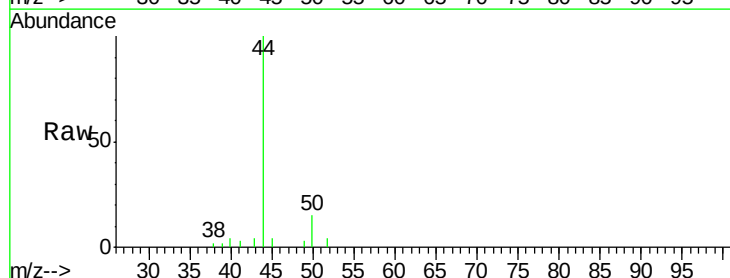
Acq: 19 Nov 2020 19:38

Tgt Ion: 50 Resp: 1552

Ion Ratio Lower Upper

50 100

52 26.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

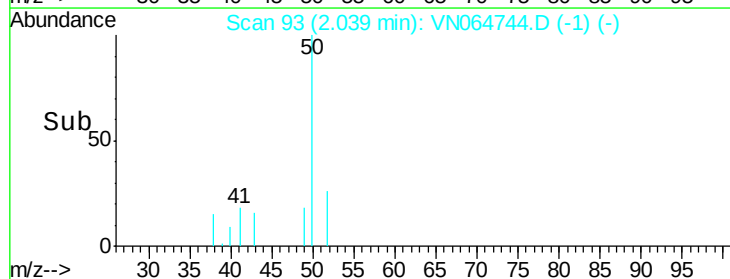
2.04

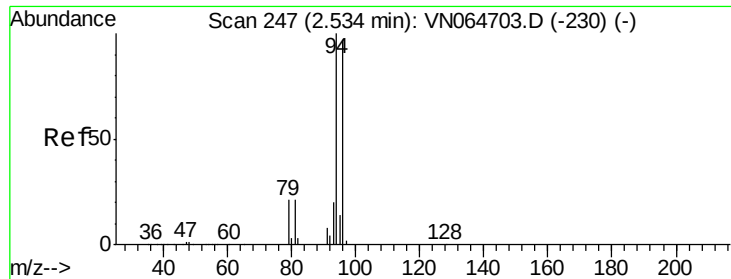
1000

500

0

Time--> 2.00 2.05





#5

Bromomethane

Concen: 0.241 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampled :

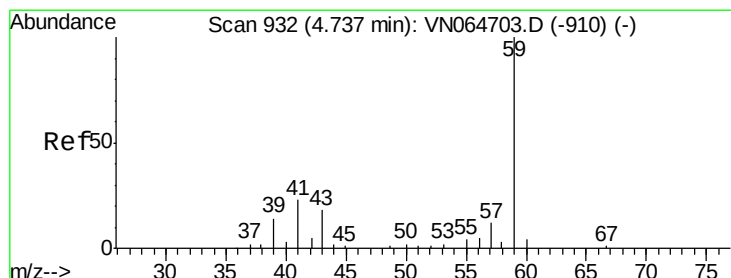
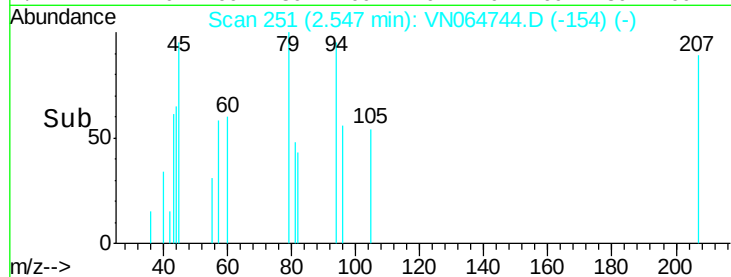
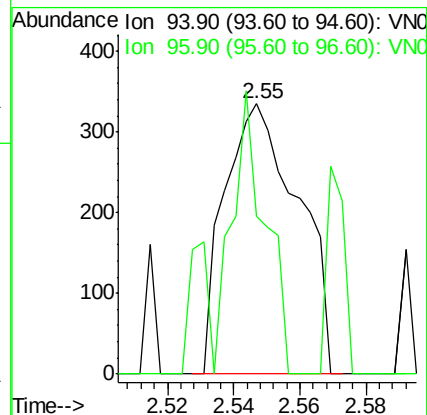
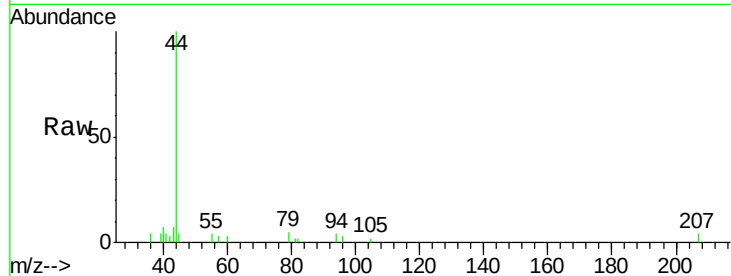
MW-15

Tot Ion: 94 Resp: 520

Ion Ratio Lower Upper

94 100

96 11.9 77.8 116.8#



#11

Tert butyl alcohol

Concen: 0.547 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN064744.D

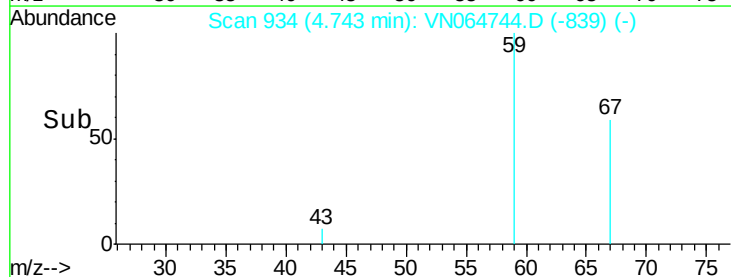
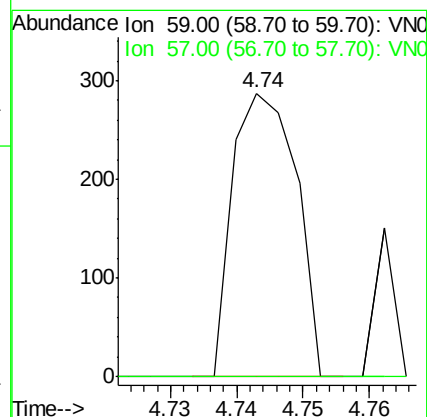
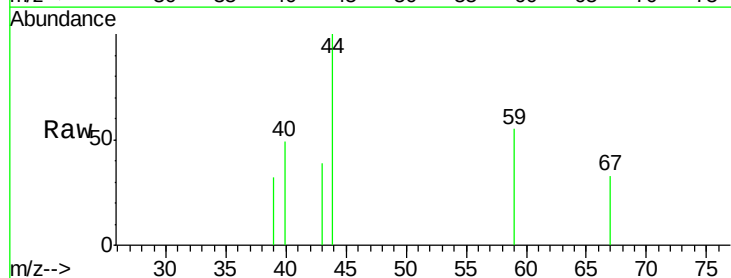
Acq: 19 Nov 2020 19:38

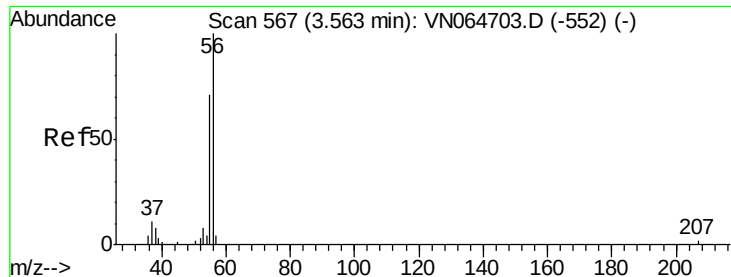
Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#





#13

Acrolein

Concen: 1.628 ug/l

RT: 3.43 min Scan# 527

Delta R.T. -0.13 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

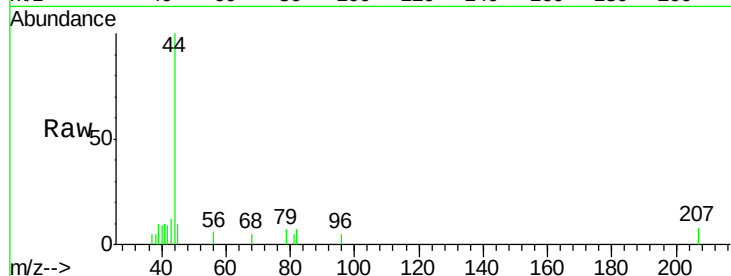
MW-15

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

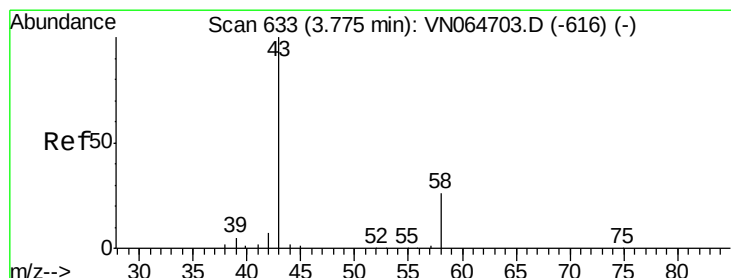
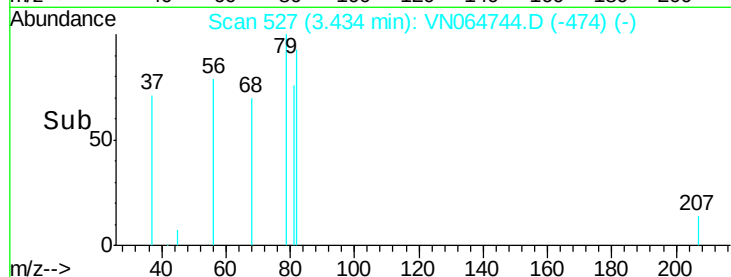
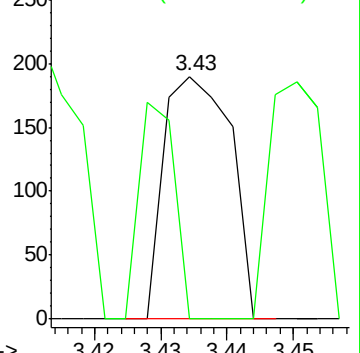
56 100

55 47.4 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 14.584 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064744.D

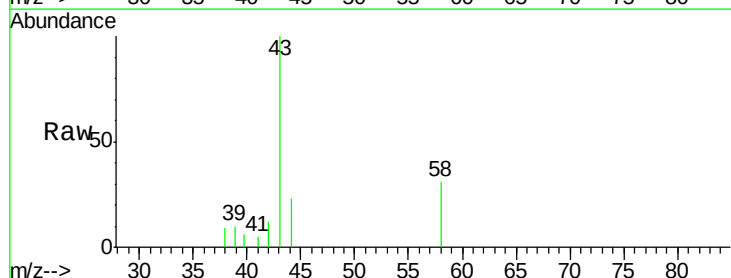
Acq: 19 Nov 2020 19:38

Tgt Ion: 43 Resp: 8456

Ion Ratio Lower Upper

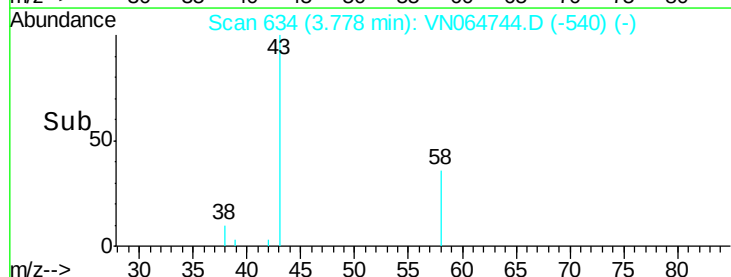
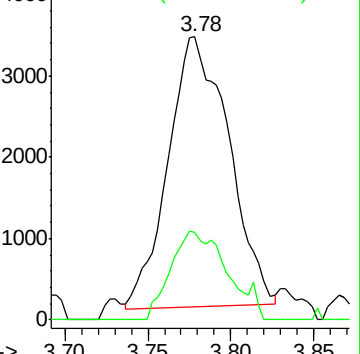
43 100

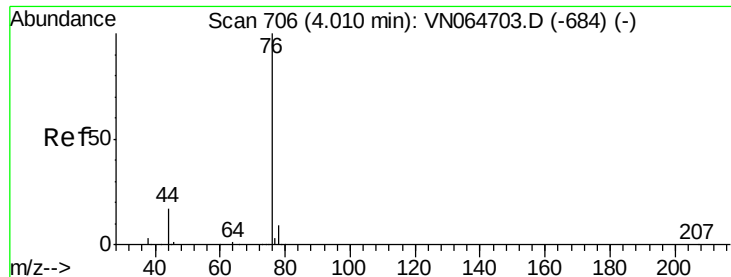
58 32.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampled :

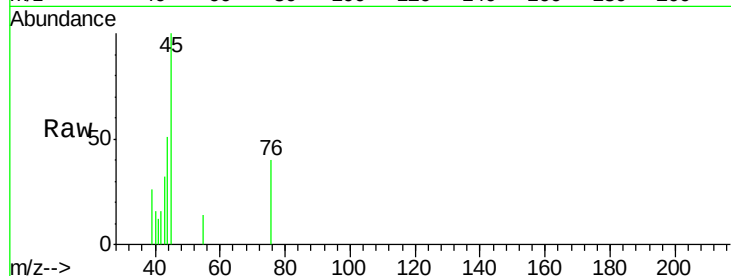
MW-15

Tot Ion: 76 Resp: 660

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

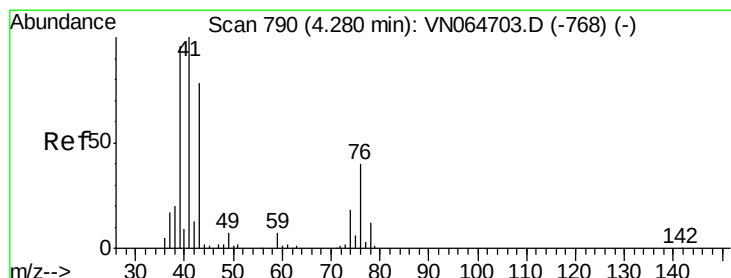
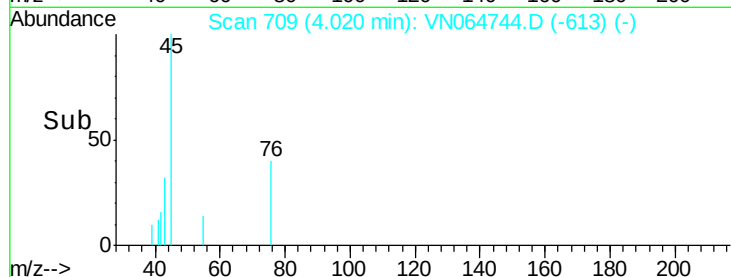
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.469 ug/l

RT: 4.27 min Scan# 786

Delta R.T. -0.01 min

Lab File: VN064744.D

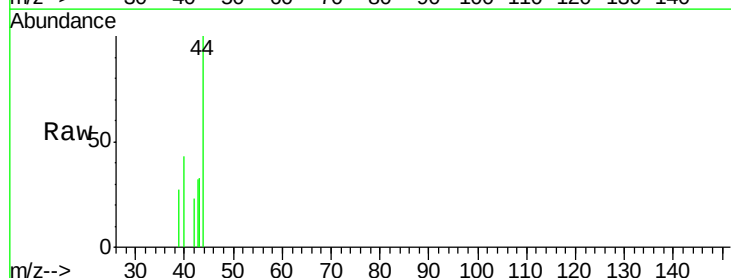
Acq: 19 Nov 2020 19:38

Tgt Ion: 43 Resp: 366

Ion Ratio Lower Upper

43 100

74 8.7 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.27

600

500

400

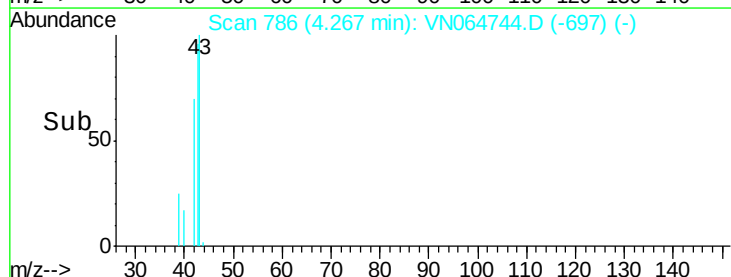
300

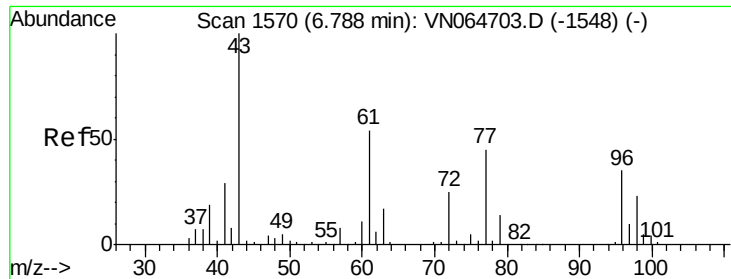
200

100

0

Time-->

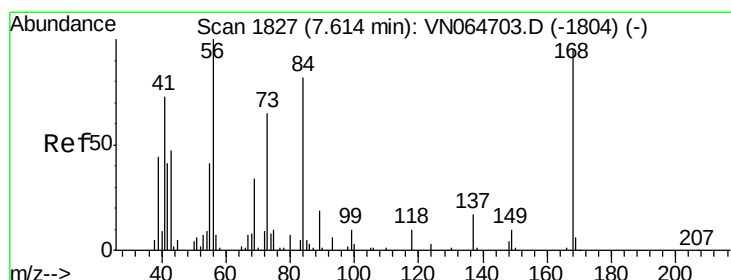
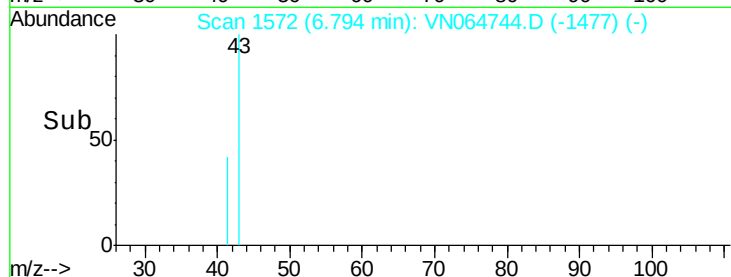
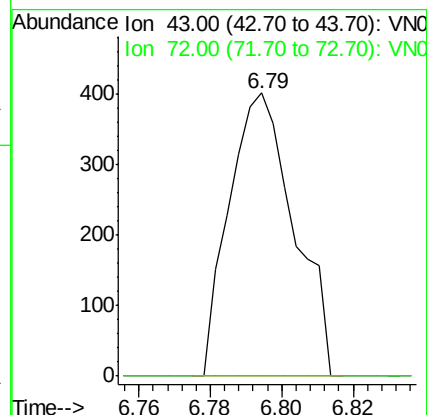
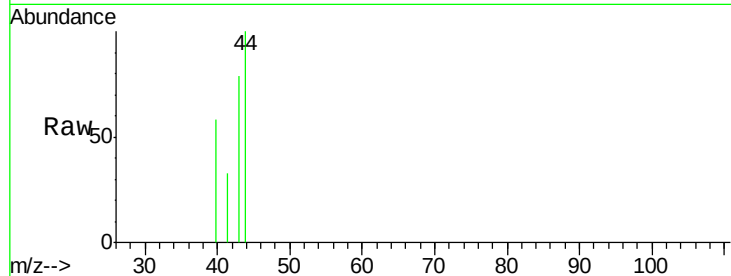




#25
2-Butanone
Concen: 0.365 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

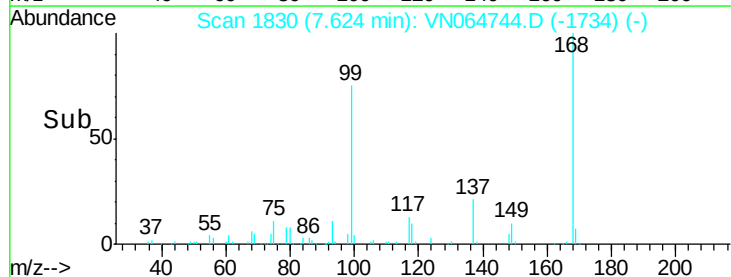
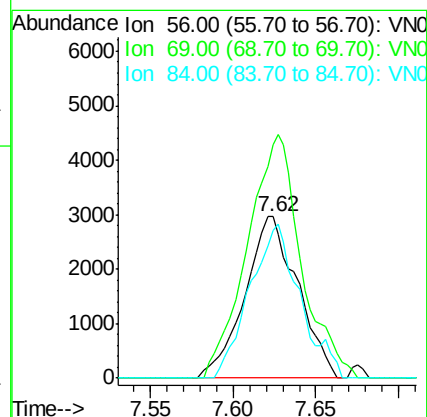
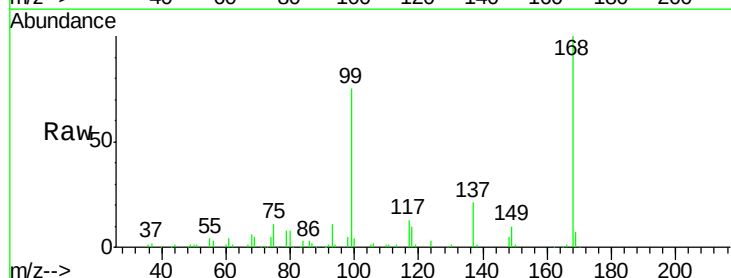
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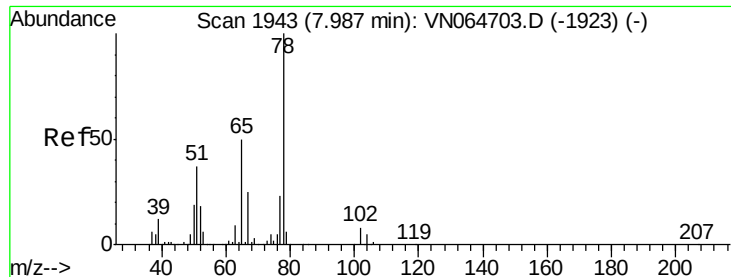
Tot Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.683 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Tgt Ion: 56 Resp: 6544
Ion Ratio Lower Upper
56 100
69 144.1 27.2 40.8#
84 91.0 65.9 98.9

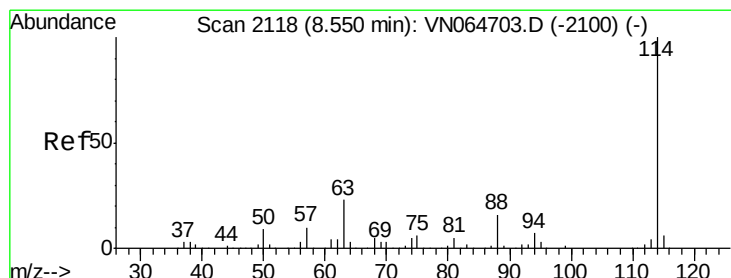
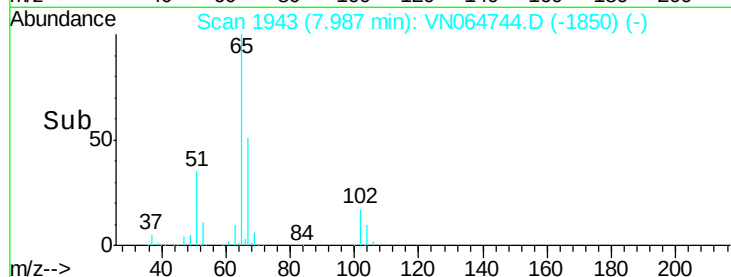
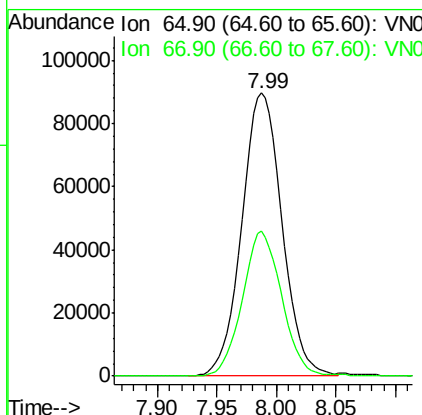
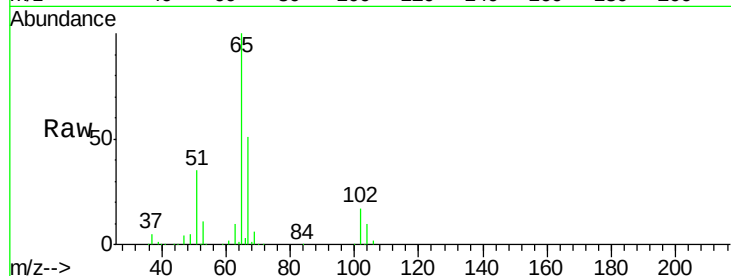




#33
 1,2-Dichloroethane-d4
 Concen: 58.360 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064744.D
 Acq: 19 Nov 2020 19:38

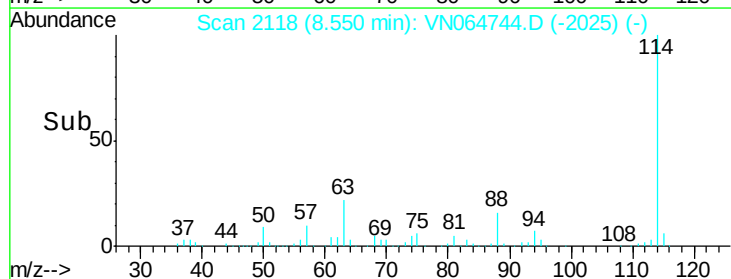
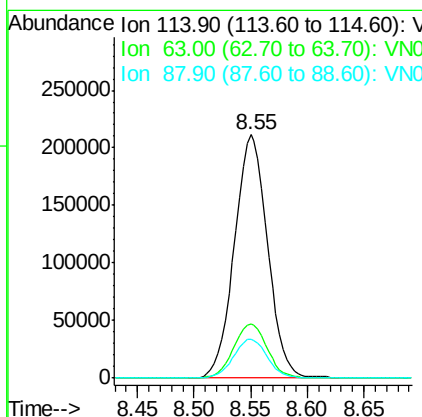
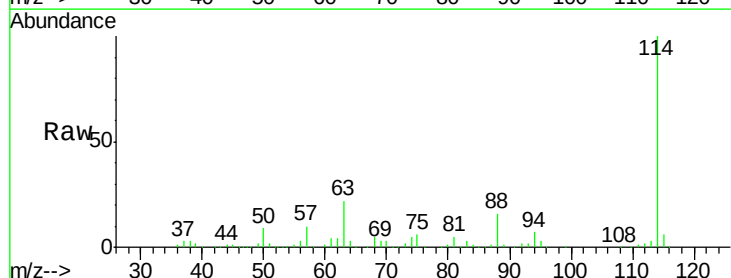
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

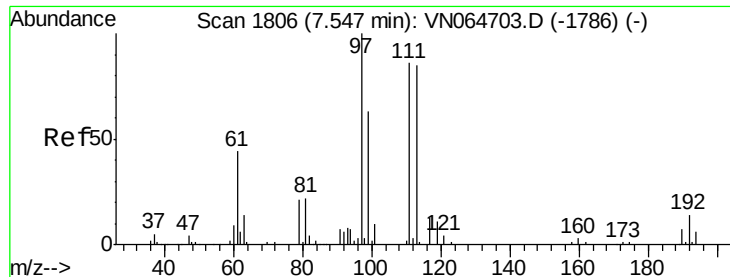
Tot Ion: 65 Resp: 209917
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064744.D
 Acq: 19 Nov 2020 19:38

Tgt Ion: 114 Resp: 431911
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.0
 88 16.1 0.0 31.2

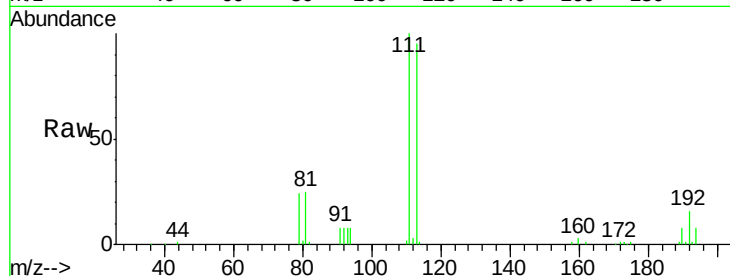




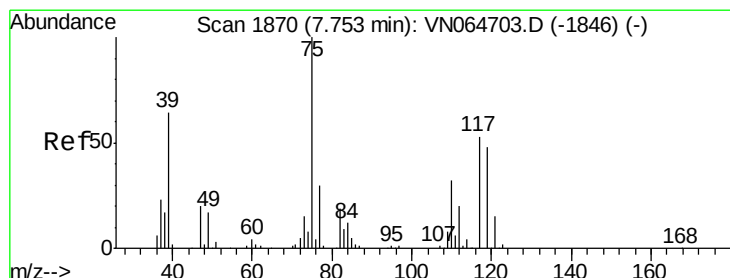
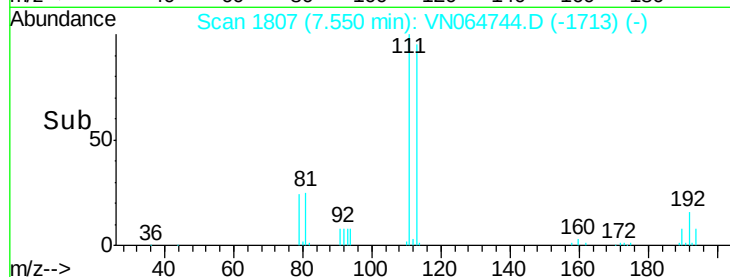
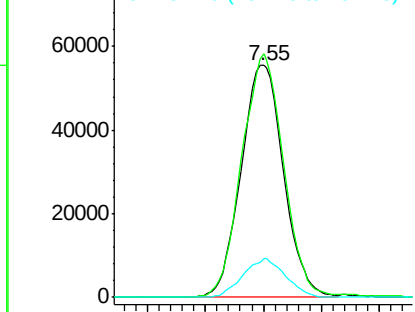
#35
Dibromofluoromethane
Concen: 57.680 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tot Ion:113 Resp: 141795
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 16.7 12.7 19.1

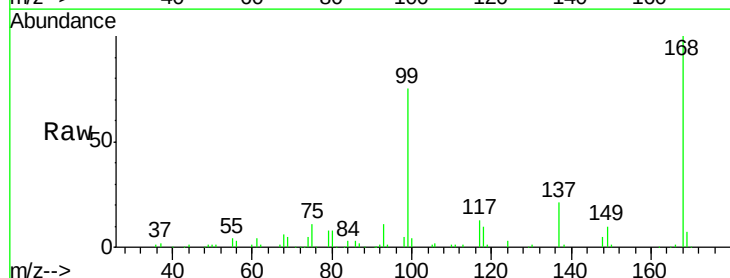


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

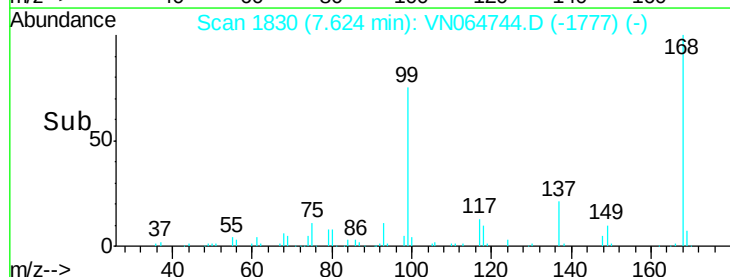
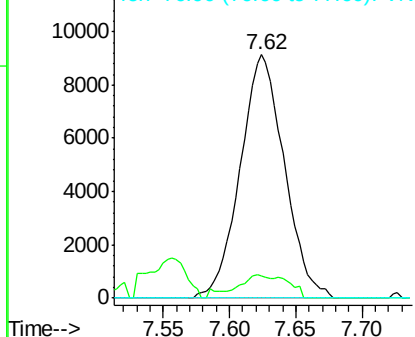


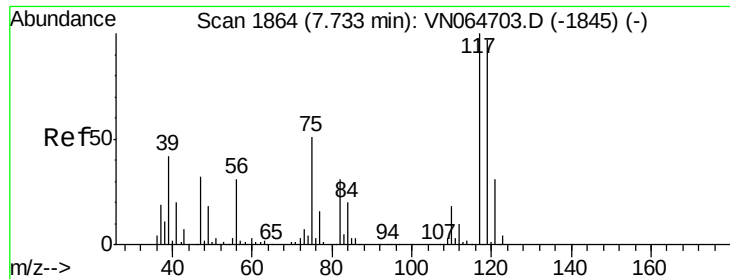
#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Tgt Ion: 75 Resp: 21161
Ion Ratio Lower Upper
75 100
110 3.7 16.2 48.6#
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

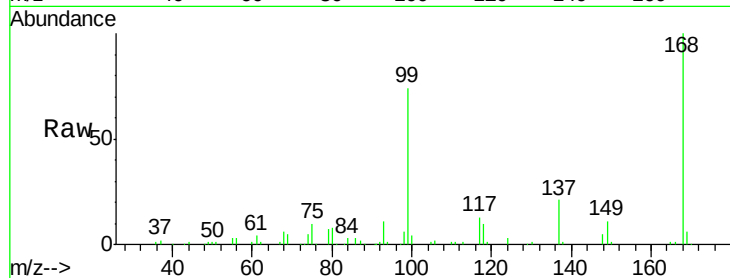




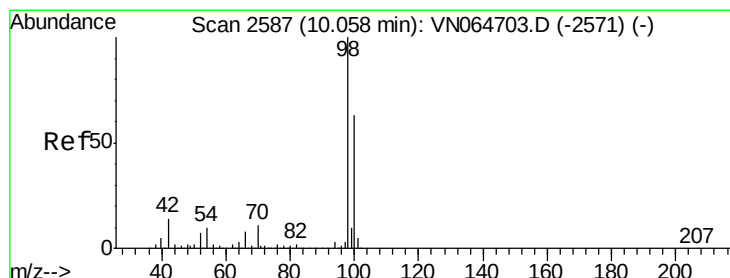
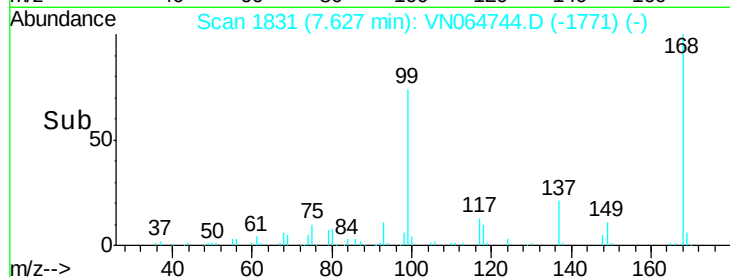
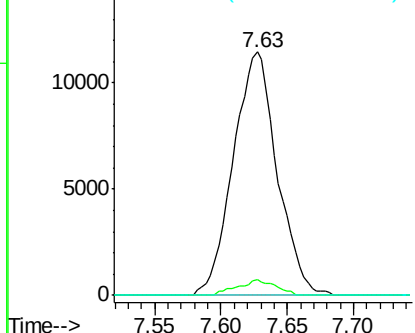
#38
Carbon Tetrachloride
Concen: 5.576 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Instrument :
MSVOA_N
ClientSampleId :
MW-15

Tot Ion:117 Resp: 26333
Ion Ratio Lower Upper
117 100
119 6.5 77.8 116.6#
121 0.0 24.9 37.3#

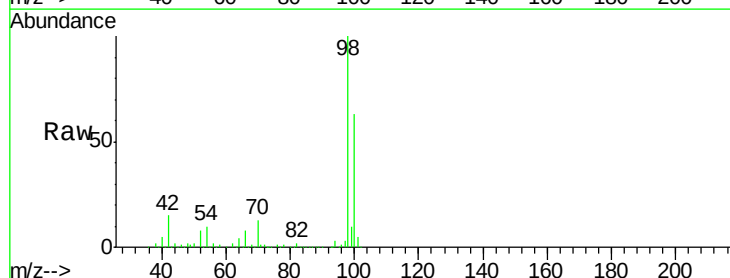


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

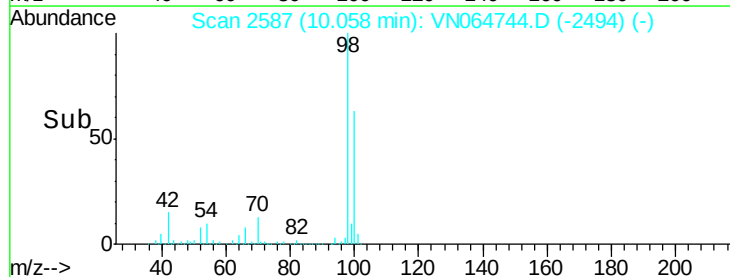
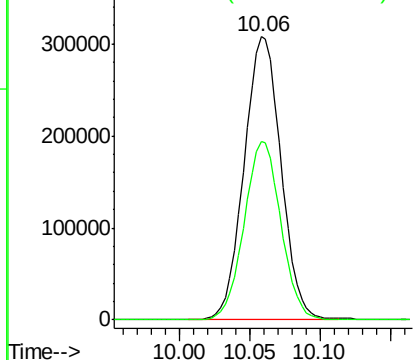


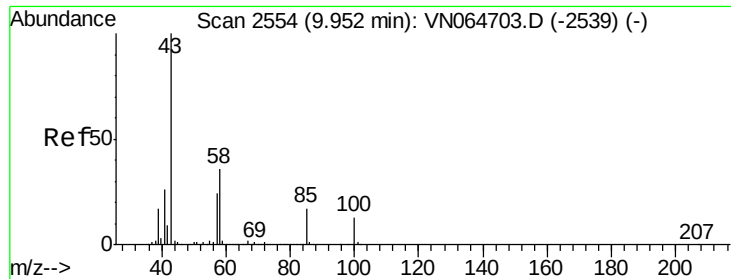
#50
Toluene-d8
Concen: 50.628 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Tgt Ion: 98 Resp: 565650
Ion Ratio Lower Upper
98 100
100 62.7 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: 6.227 ug/l

RT: 9.94 min Scan# 2549

Delta R.T. -0.02 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampled :

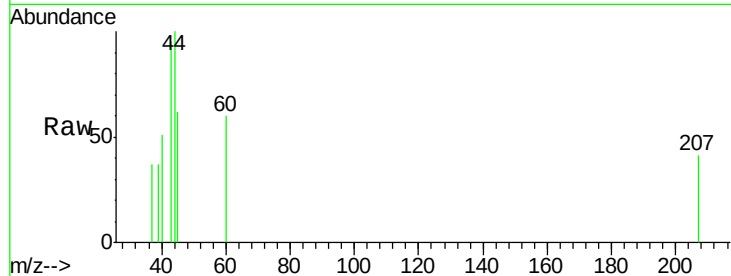
MW-15

Tot Ion: 43 Resp: 435

Ion Ratio Lower Upper

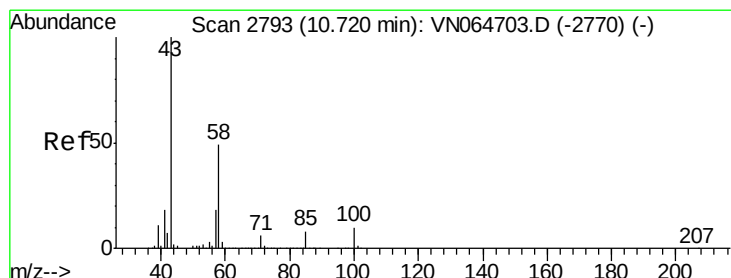
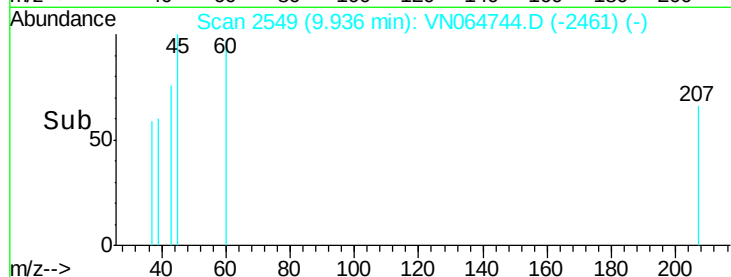
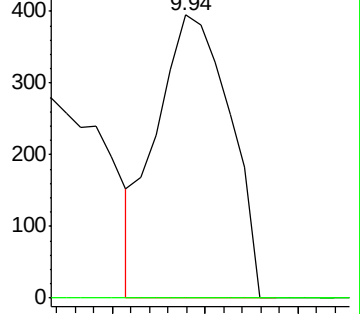
43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 8.552 ug/l

RT: 10.73 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN064744.D

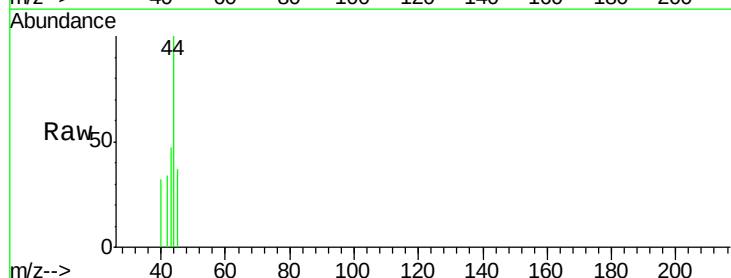
Acq: 19 Nov 2020 19:38

Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

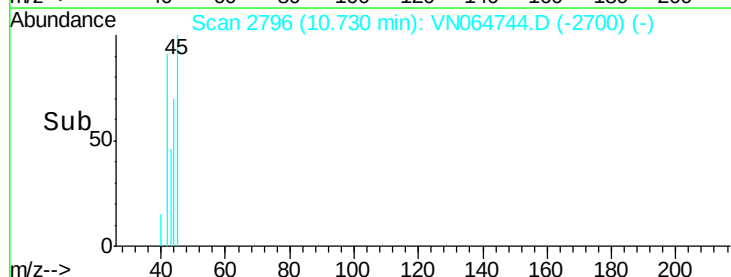
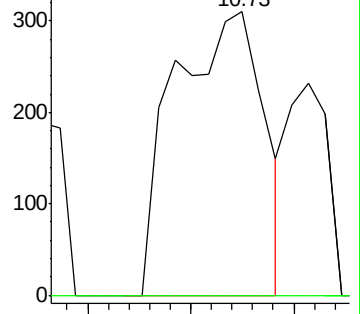
43 100

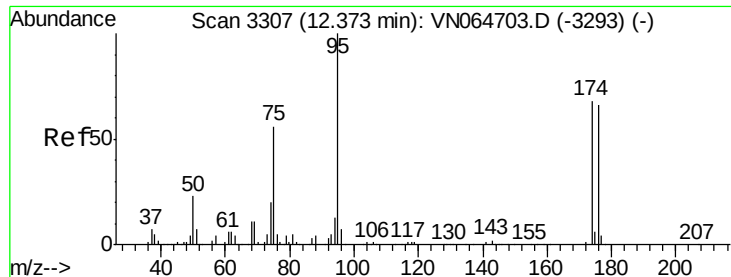
58 0.0 24.4 73.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

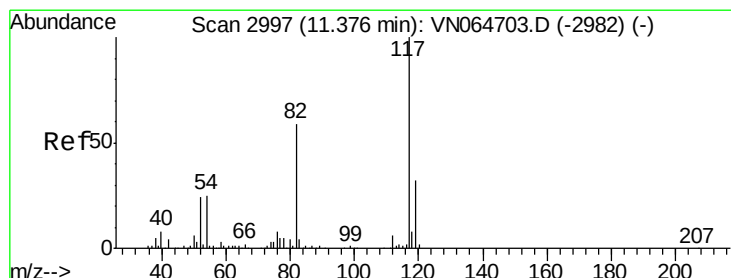
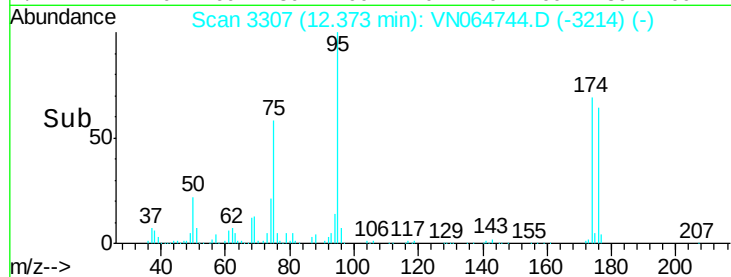
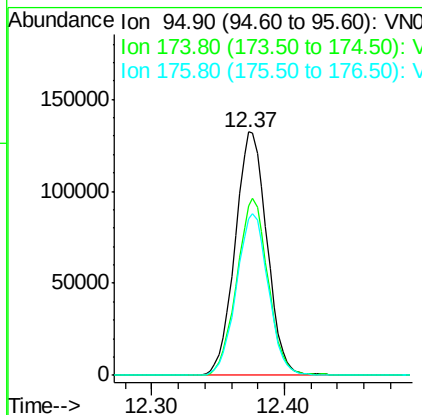
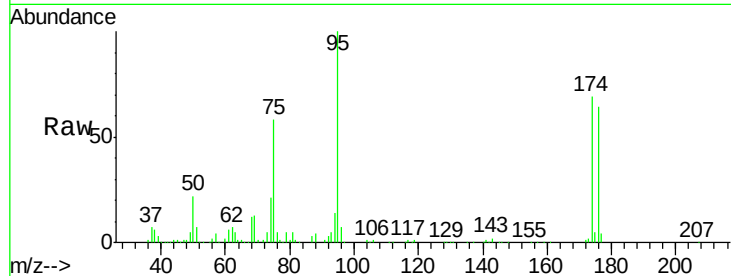




#62
4-Bromofluorobenzene
Concen: 52.941 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

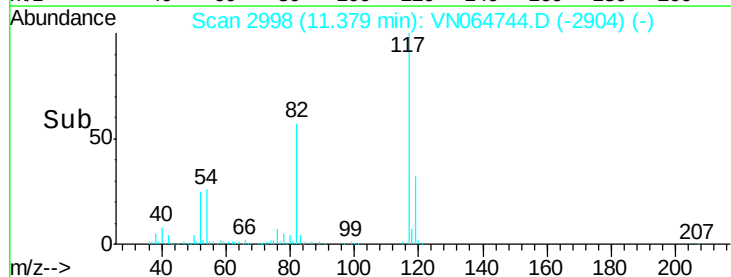
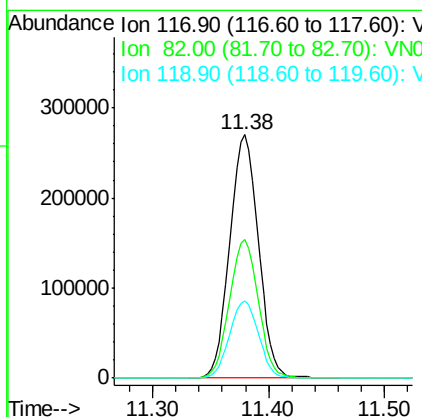
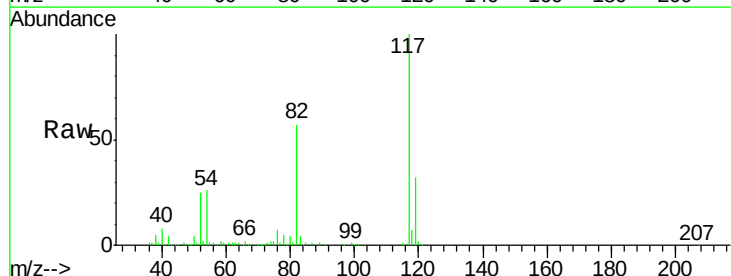
Instrument :
MSVOA_N
ClientSampleId :
MW-15

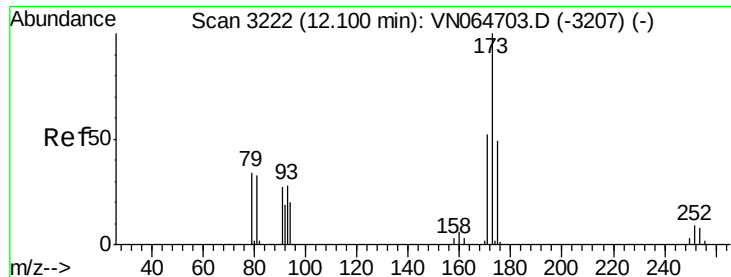
Tot Ion	95	Resp	221086
Ion Ratio	100		
174	71.0	0.0	136.8
176	66.4	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064744.D
Acq: 19 Nov 2020 19:38

Tgt Ion	117	Resp	461704
Ion Ratio	100		
82	56.7	47.0	70.6
119	31.6	25.4	38.2





#71

Bromoform

Concen: 3.027 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

MW-15

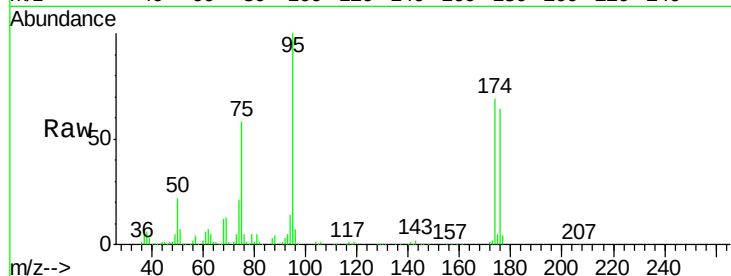
Tot Ion:173 Resp: 1740

Ion Ratio Lower Upper

173 100

175 585.0 24.3 72.9#

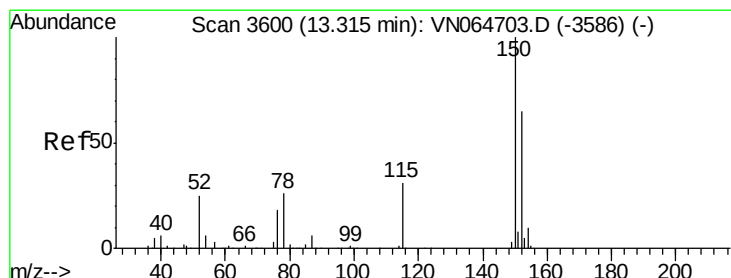
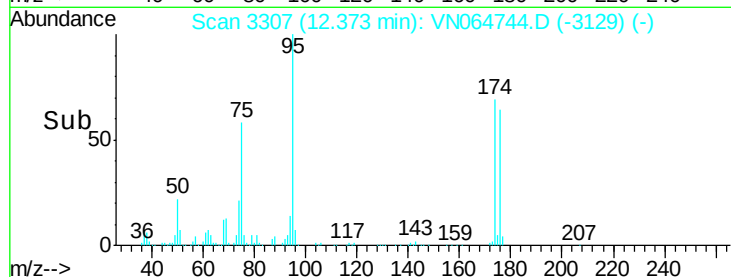
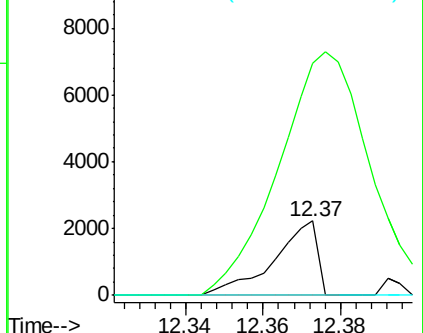
254 0.0 0.1 0.1#



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: VN064744.D

Acq: 19 Nov 2020 19:38

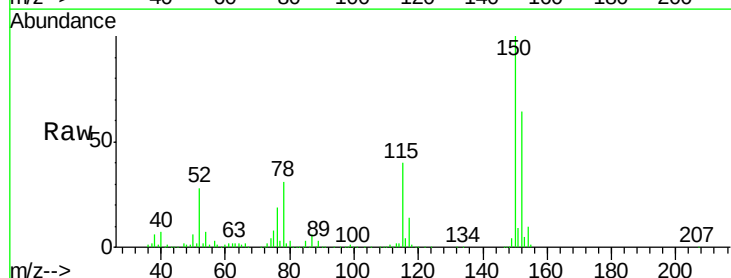
Tgt Ion:152 Resp: 207029

Ion Ratio Lower Upper

152 100

115 65.1 32.1 96.3

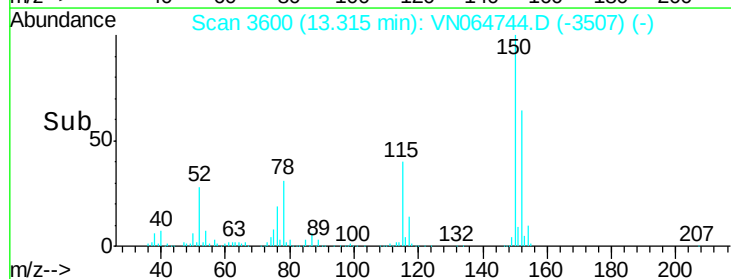
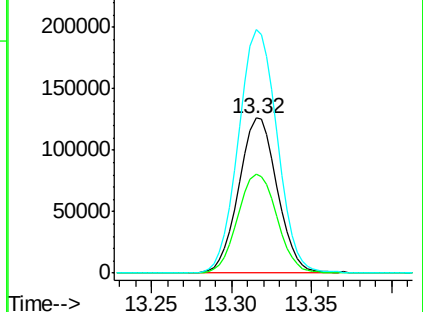
150 158.8 0.0 344.8

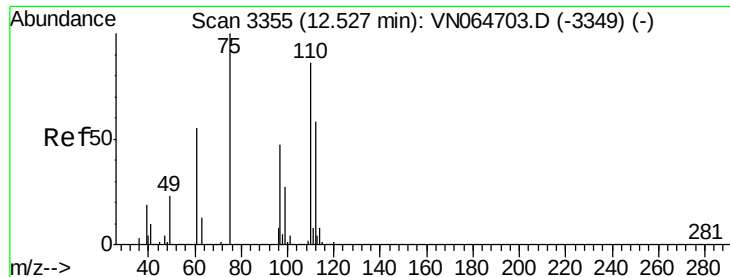


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.886 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

Instrument :

MSVOA_N

ClientSampleId :

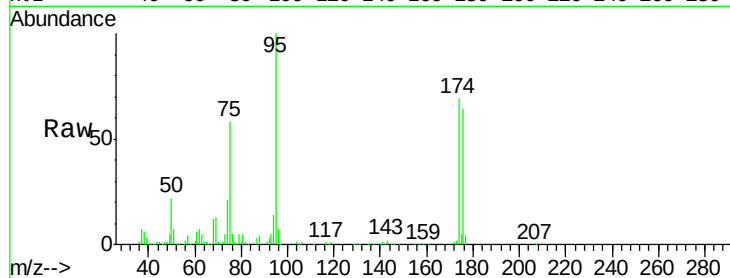
MW-15

Tot Ion: 75 Resp: 128855

Ion Ratio Lower Upper

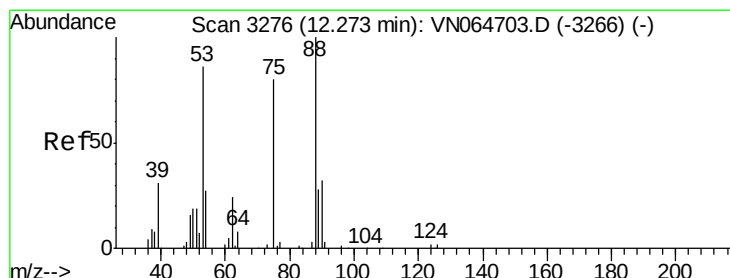
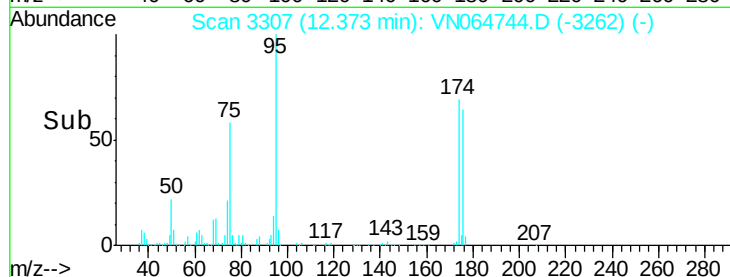
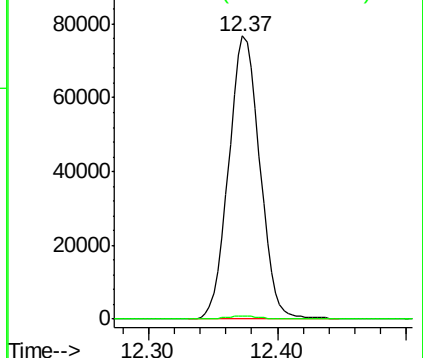
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 73.693 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064744.D

Acq: 19 Nov 2020 19:38

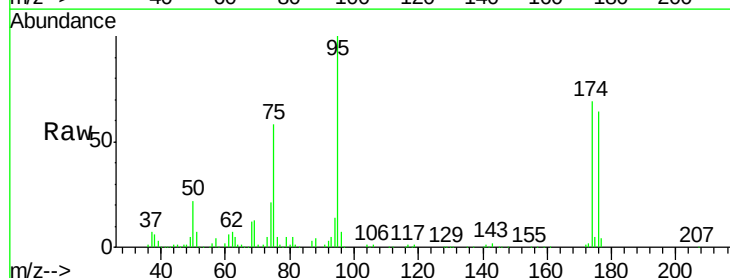
Tgt Ion: 75 Resp: 128855

Ion Ratio Lower Upper

75 100

53 0.3 88.8 133.2#

89 0.0 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

