

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062520\
 Data File : VN062109.D
 Acq On : 25 Jun 2020 14:28
 Operator : JC/MD
 Sample : L3071-01 100X
 Misc : 4.76g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7.5

Quant Time: Jun 26 01:46:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245495	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	430088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174890	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	165816	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	7.55	113	139231	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.06	98	567576	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.37	95	191375	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

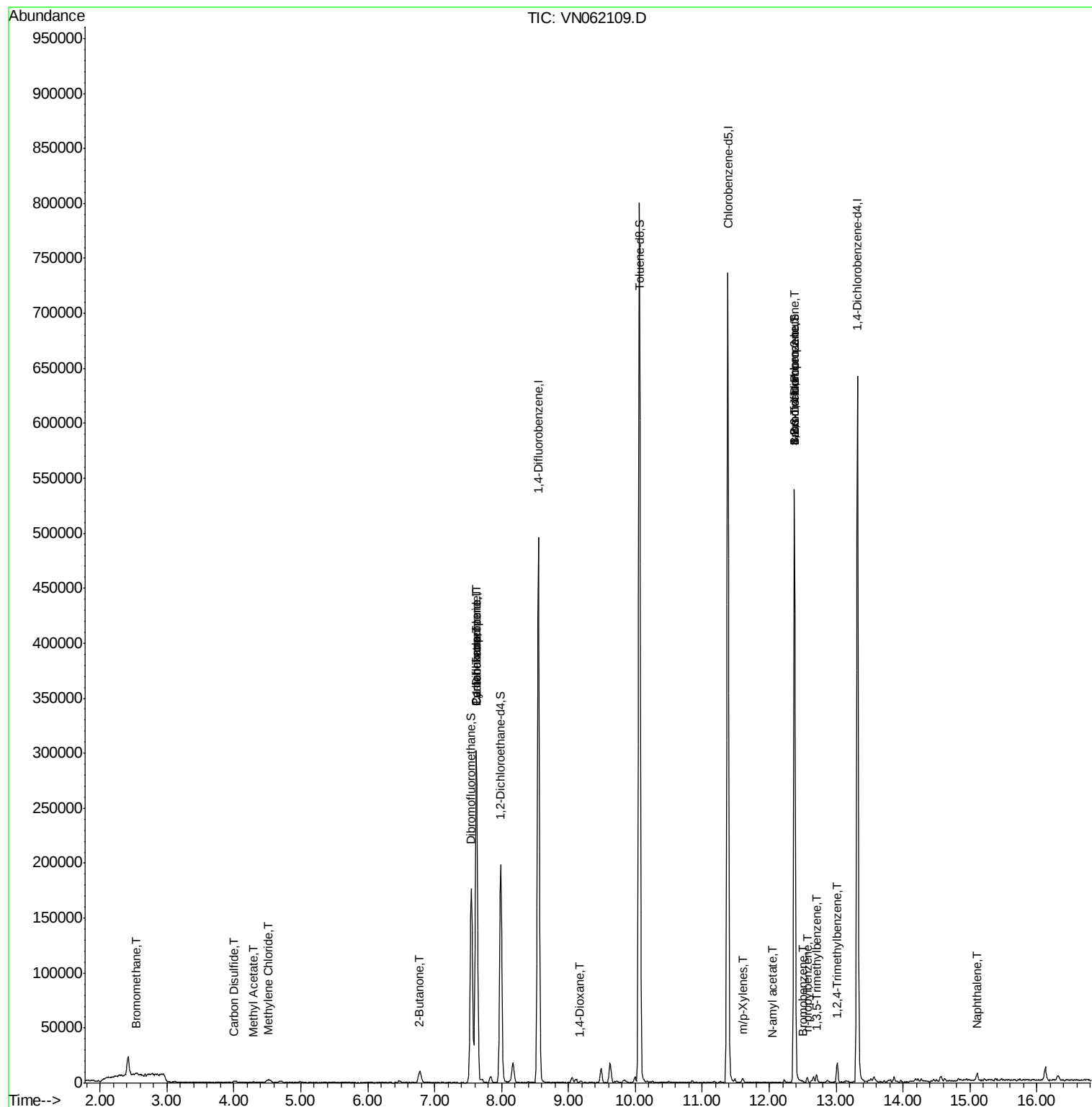
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	404	Below Cal	#	41
5) Bromomethane	2.54	94	788	0.279	ug/l	83
16) Acetone	3.77	43	460	Below Cal	#	40
17) Carbon Disulfide	4.01	76	2368	0.344	ug/l #	75
18) Methyl Acetate	4.29	43	755	0.276	ug/l #	46
20) Methylene Chloride	4.50	84	1347	0.210	ug/l #	65
25) 2-Butanone	6.78	43	508	0.302	ug/l #	44
31) Cyclohexane	7.62	56	6311	1.326	ug/l #	30
36) 1,1-Dichloropropene	7.62	75	19581	4.318	ug/l #	49
38) Carbon Tetrachloride	7.62	117	24695	5.776	ug/l #	15
49) 1,4-Dioxane	9.17	88	29	0.476	ug/l #	1
68) m/p-Xylenes	11.60	106	1515	0.246	ug/l	94
71) Bromoform	12.37	173	1710	0.736	ug/l #	1
74) N-amyl acetate	12.05	43	133	3.368	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	96360	23.405	ug/l #	100
77) Bromobenzene	12.49	156	807	0.240	ug/l #	1
78) n-propylbenzene	12.57	91	4574	0.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	3849	0.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	96360	68.352	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.02	105	10954	0.999	ug/l	100
95) Naphthalene	15.11	128	6393	4.701	ug/l #	96

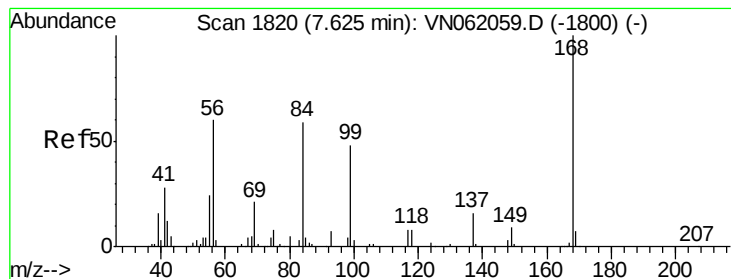
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

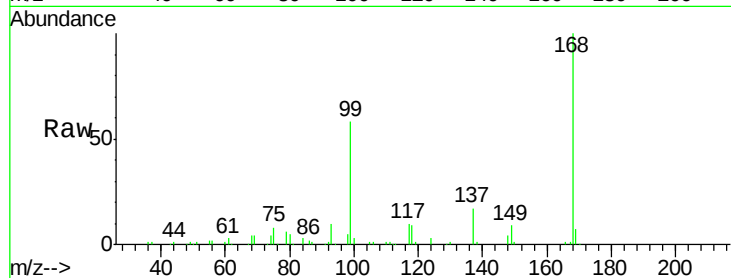
TW-7.5

Tgt Ion:168 Resp: 245495

Ion Ratio Lower Upper

168 100

99 58.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062109.D

Ion 98.90 (98.60 to 99.60): VN062109.D

7.63

120000

100000

80000

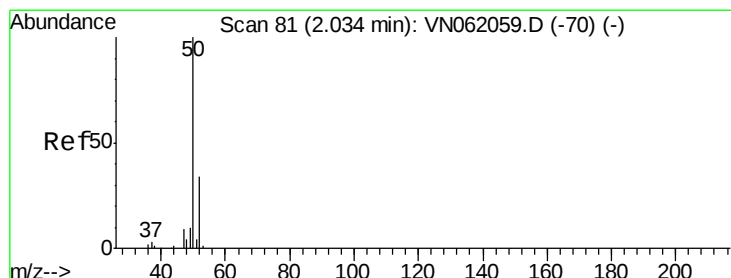
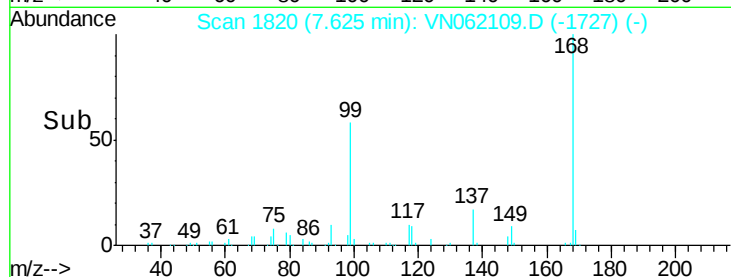
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062109.D

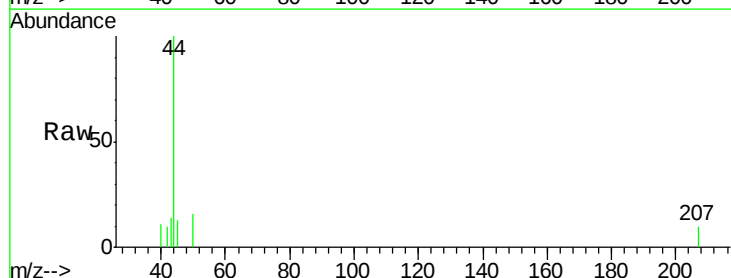
Acq: 25 Jun 2020 14:28

Tgt Ion: 50 Resp: 404

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062109.D

Ion 51.90 (51.60 to 52.60): VN062109.D

2.03

300

250

200

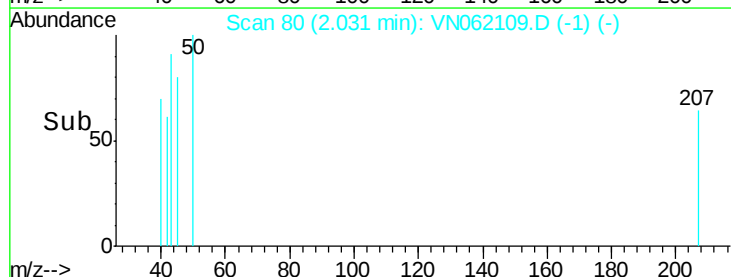
150

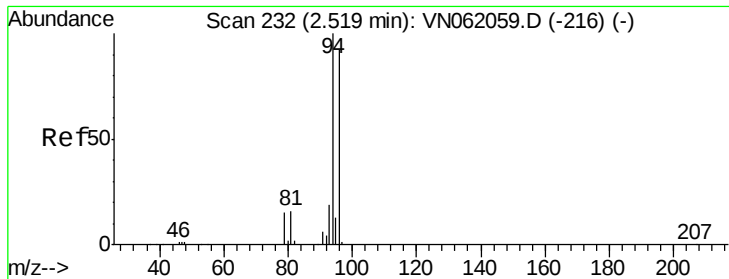
100

50

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.279 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.02 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

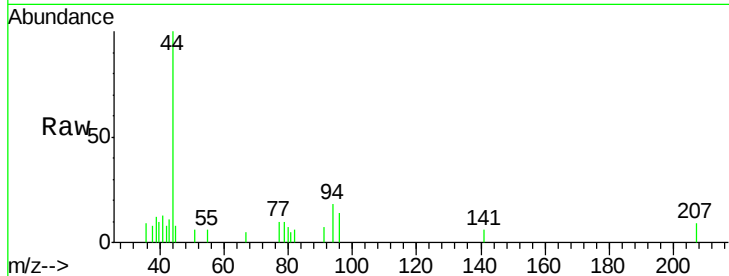
TW-7.5

Tgt Ion: 94 Resp: 788

Ion Ratio Lower Upper

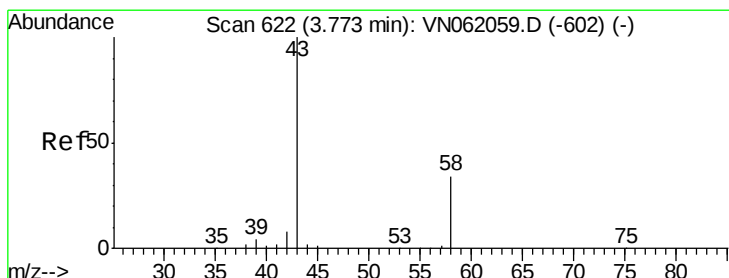
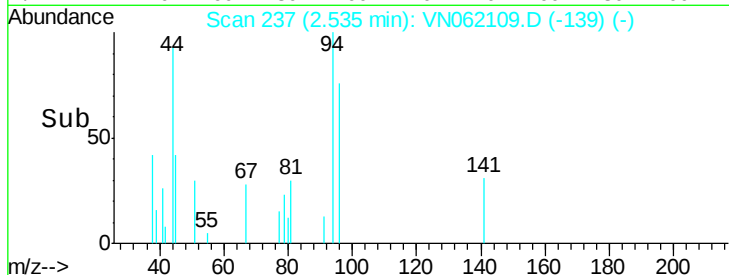
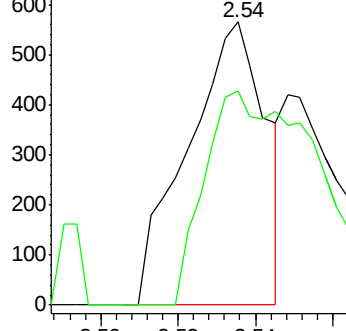
94 100

96 75.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062109.D

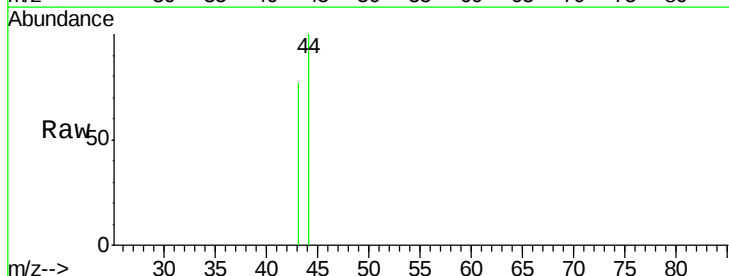
Acq: 25 Jun 2020 14:28

Tgt Ion: 43 Resp: 460

Ion Ratio Lower Upper

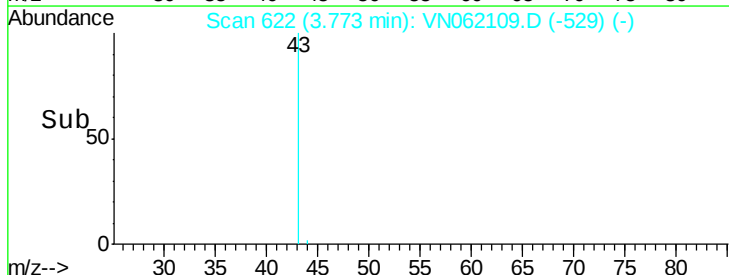
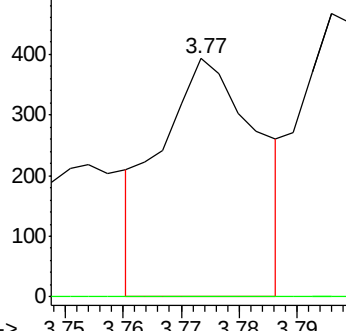
43 100

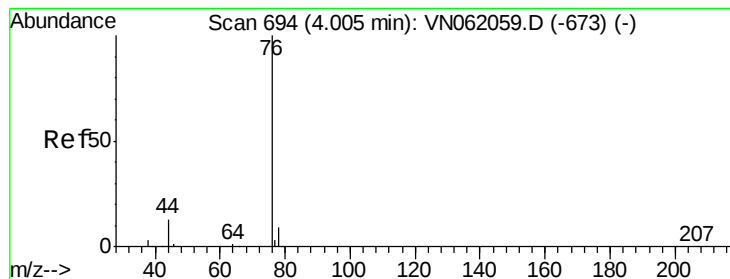
58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.344 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

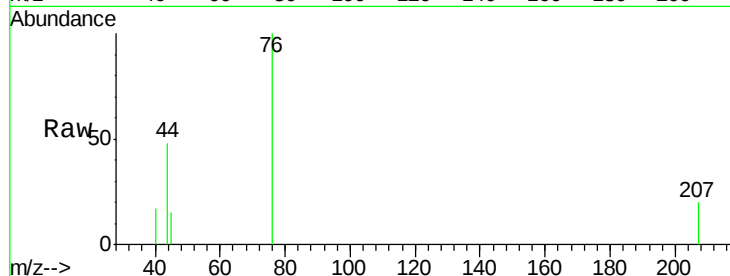
TW-7.5

Tgt Ion: 76 Resp: 2368

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062109.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN062109.D (-673) (-)

4.01

1200

1000

800

600

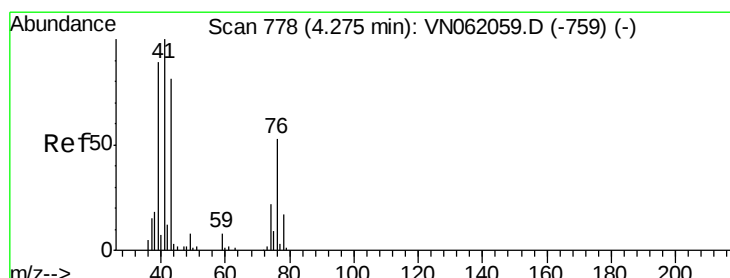
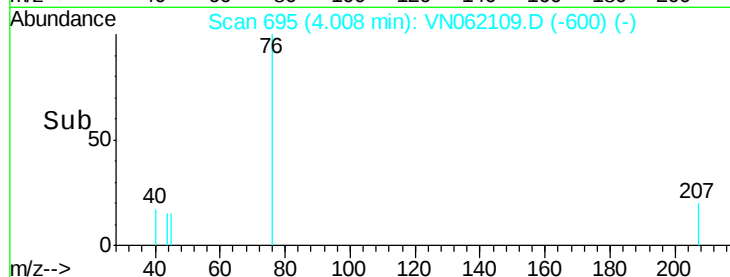
400

200

0

Time-->

3.95 4.00 4.05



#18

Methyl Acetate

Concen: 0.276 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN062109.D

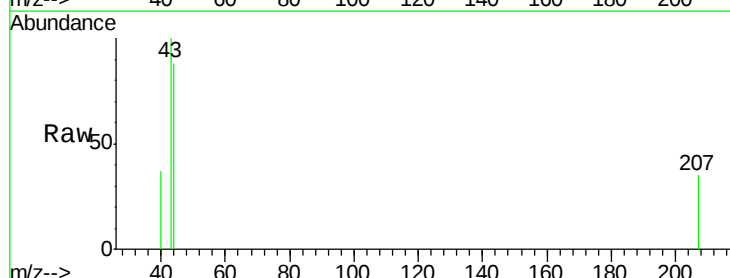
Acq: 25 Jun 2020 14:28

Tgt Ion: 43 Resp: 755

Ion Ratio Lower Upper

43 100

74 0.0 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062109.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062109.D (-685) (-)

4.29

600

500

400

300

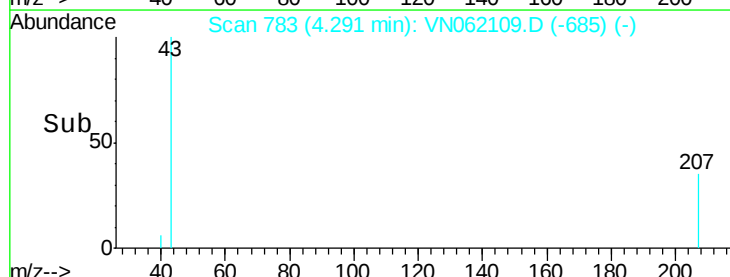
200

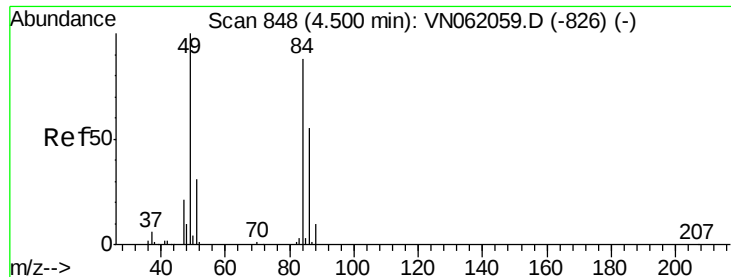
100

0

Time-->

4.25 4.30

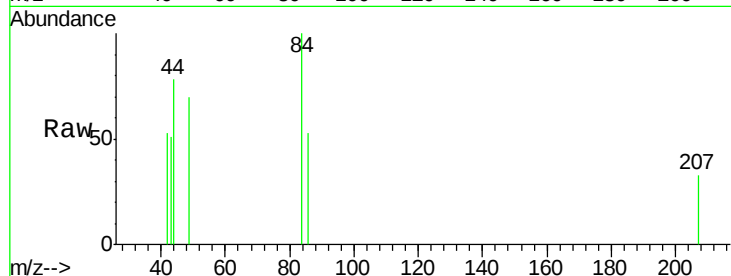




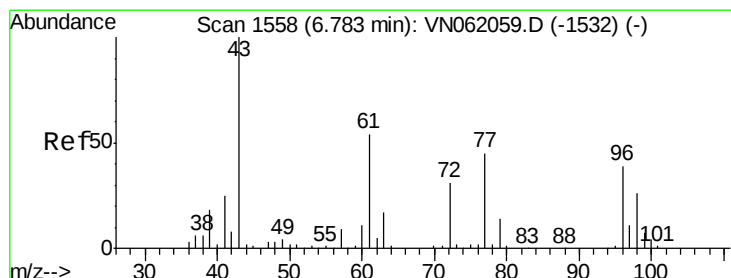
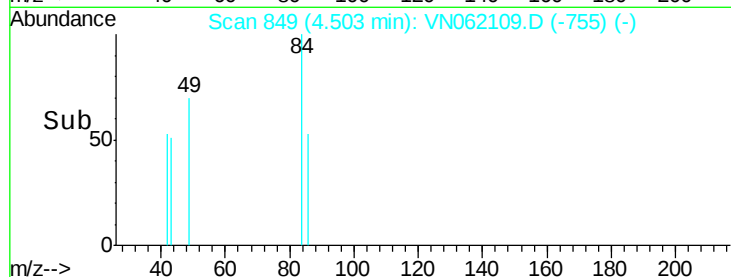
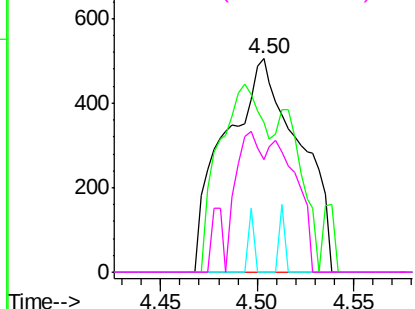
#20
Methylene Chloride
Concen: 0.210 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Instrument :
MSVOA_N
ClientSampled :
TW-7.5

Tgt Ion: 84 Resp: 1347
Ion Ratio Lower Upper
84 100
49 69.9 90.6 136.0#
51 0.0 27.8 41.8#
86 52.9 50.1 75.1

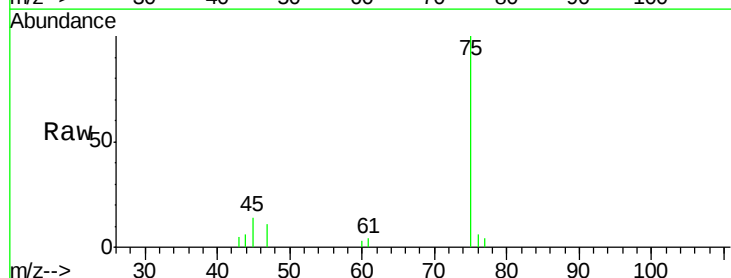


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

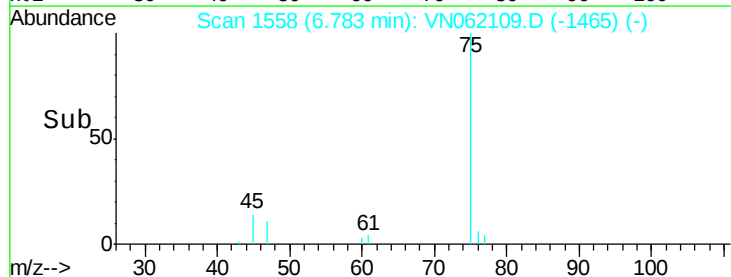
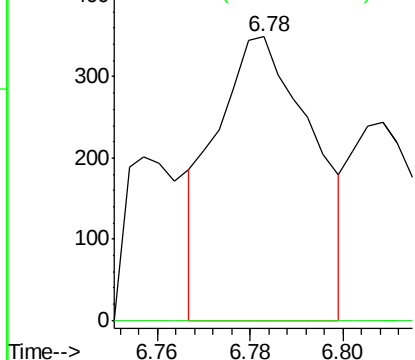


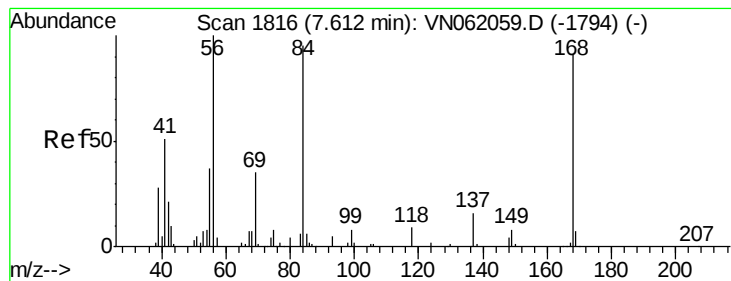
#25
2-Butanone
Concen: 0.302 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Tgt Ion: 43 Resp: 508
Ion Ratio Lower Upper
43 100
72 0.0 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#31

Cyclohexane

Concen: 1.326 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

TW-7.5

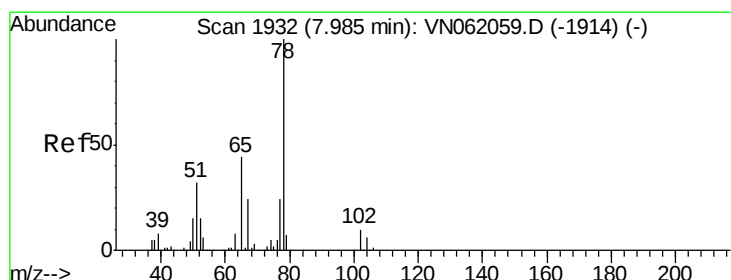
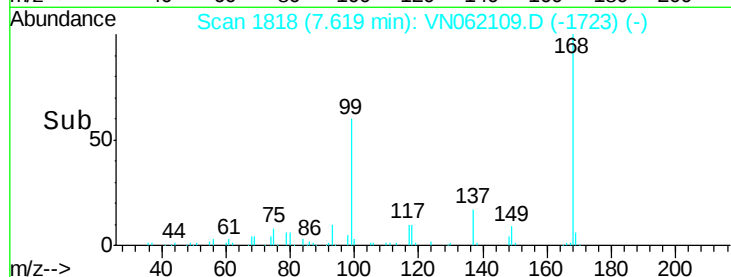
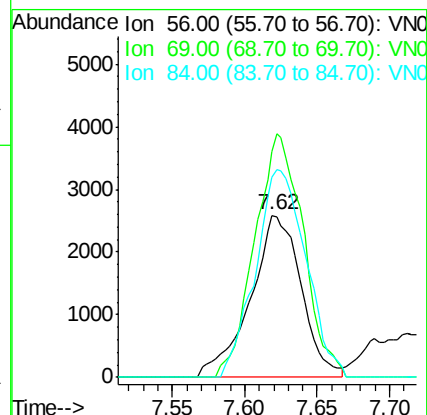
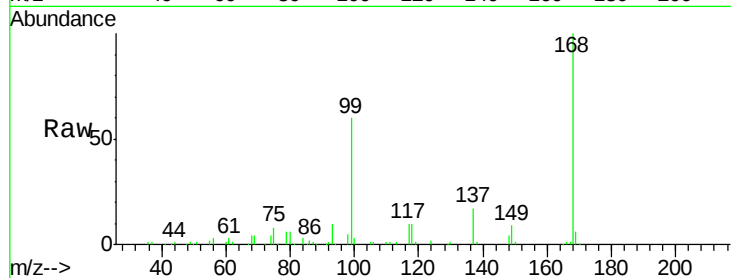
Tgt Ion: 56 Resp: 6311

Ion Ratio Lower Upper

56 100

69 139.3 28.0 42.0#

84 123.4 76.1 114.1#



#33

1,2-Dichloroethane-d4

Concen: 48.131 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062109.D

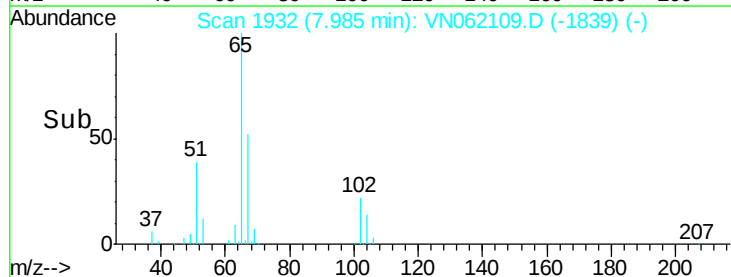
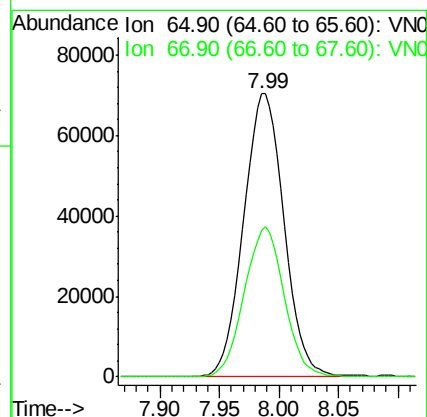
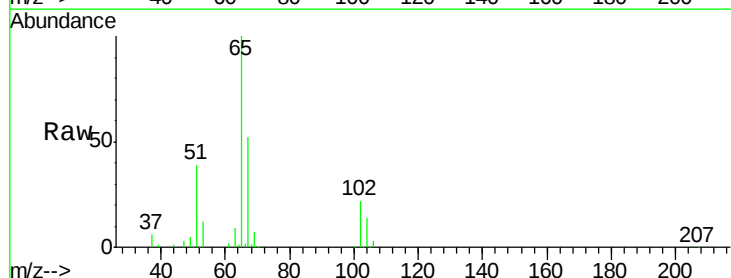
Acq: 25 Jun 2020 14:28

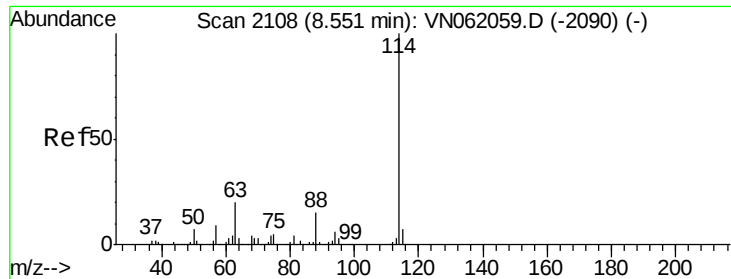
Tgt Ion: 65 Resp: 165816

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.2

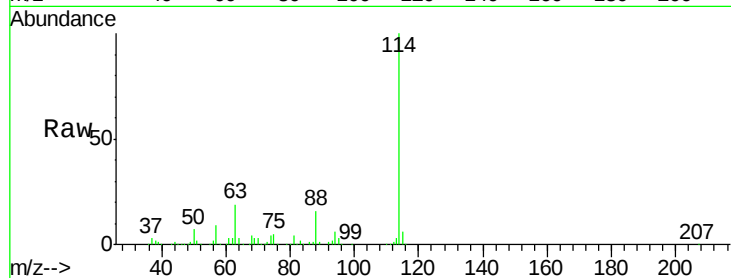




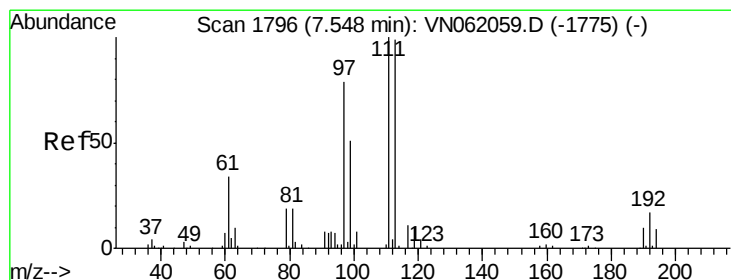
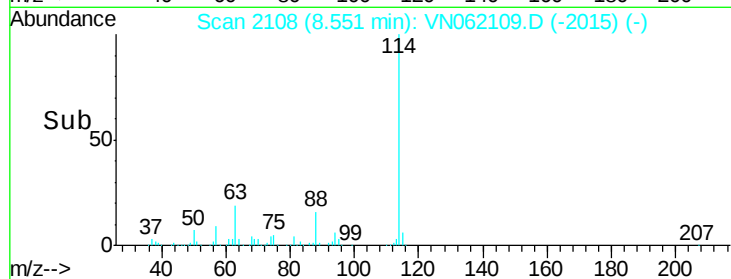
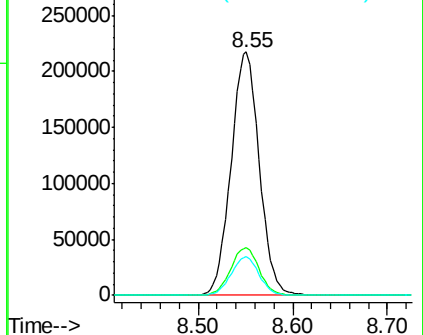
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062109.D
 Acq: 25 Jun 2020 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7.5

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.2
88	15.8	0.0	30.8

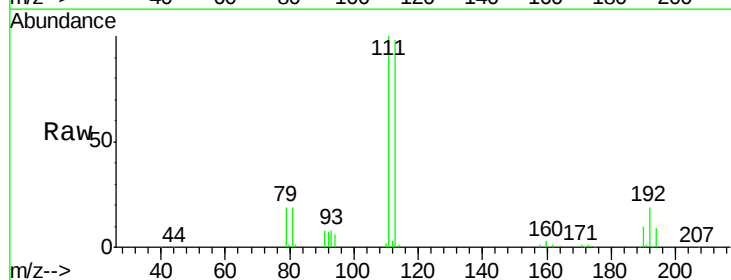


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

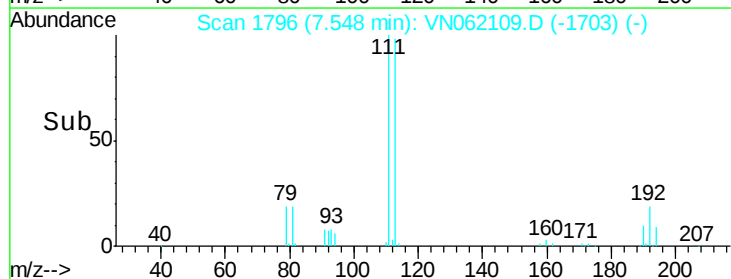
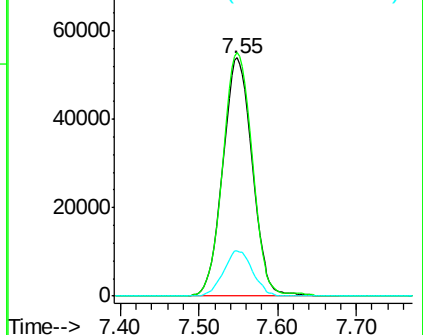


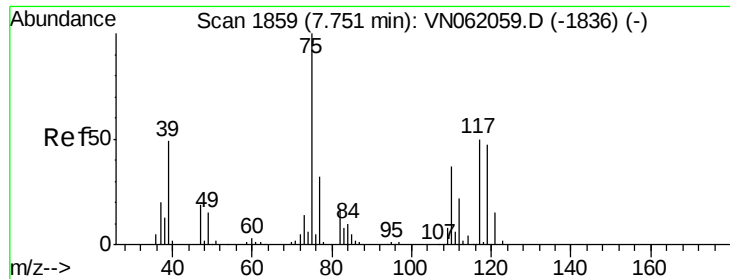
#35
 Dibromofluoromethane
 Concen: 48.100 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062109.D
 Acq: 25 Jun 2020 14:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.4
192	18.8	14.0	21.0



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

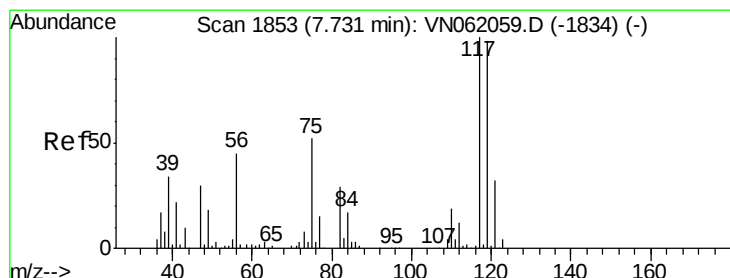
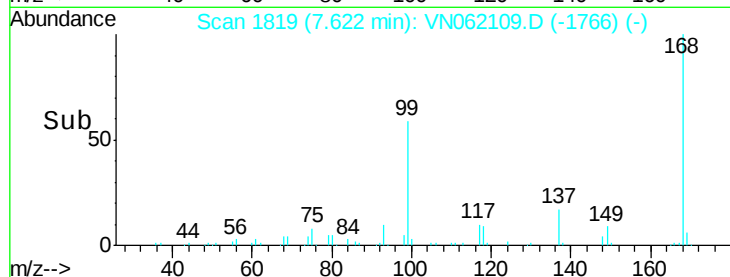
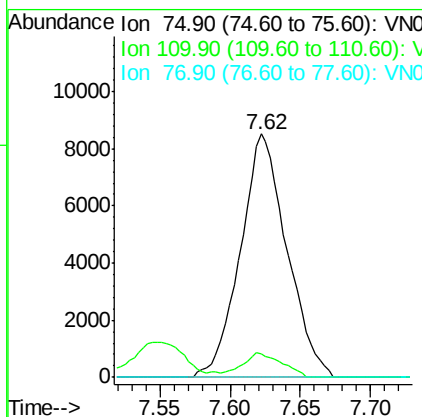
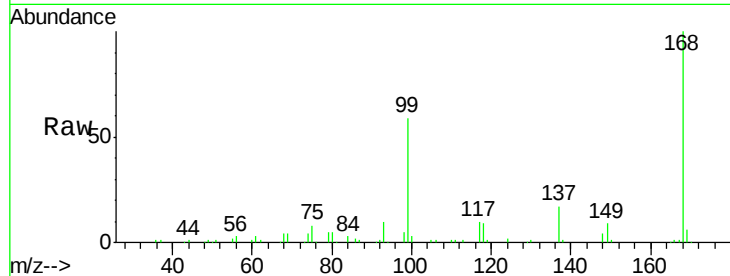




#36
 1,1-Dichloropropene
 Concen: 4.318 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062109.D
 Acq: 25 Jun 2020 14:28

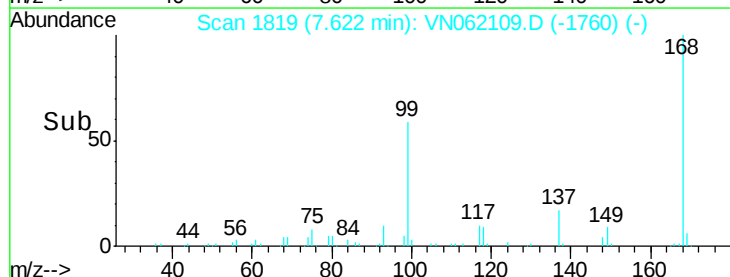
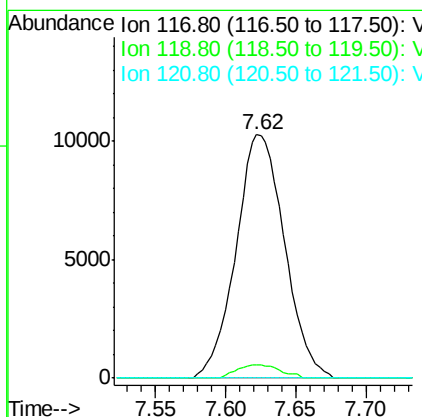
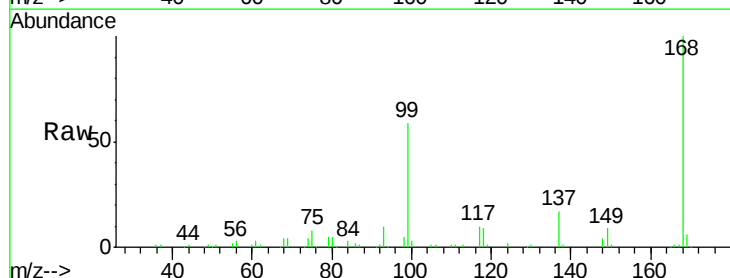
Instrument :
 MSVOA_N
 ClientSampled :
 TW-7.5

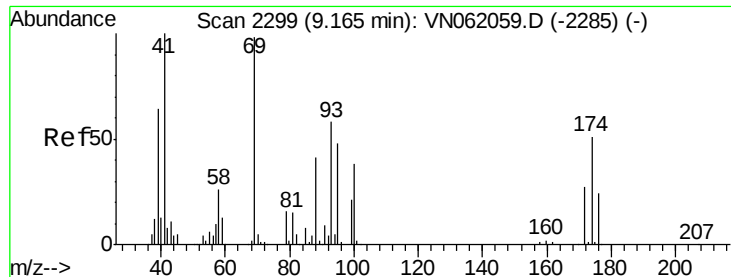
Tgt Ion: 75 Resp: 19581
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.776 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062109.D
 Acq: 25 Jun 2020 14:28

Tgt Ion: 117 Resp: 24695
 Ion Ratio Lower Upper
 117 100
 119 5.4 78.2 117.2#
 121 0.0 25.8 38.6#

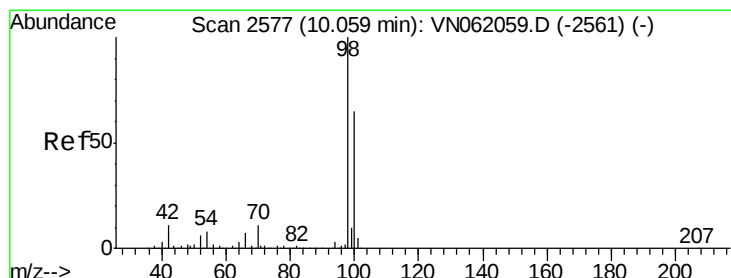
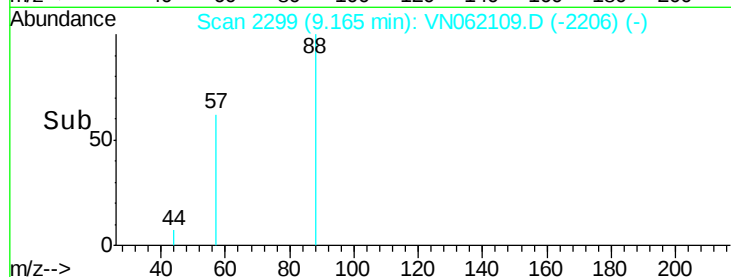
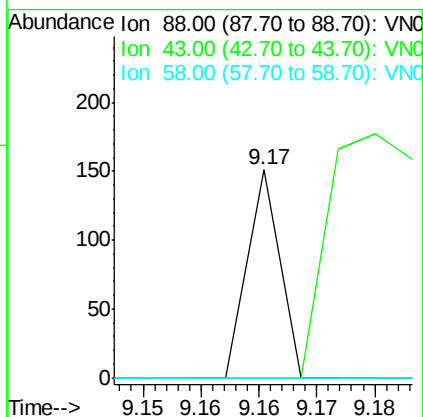
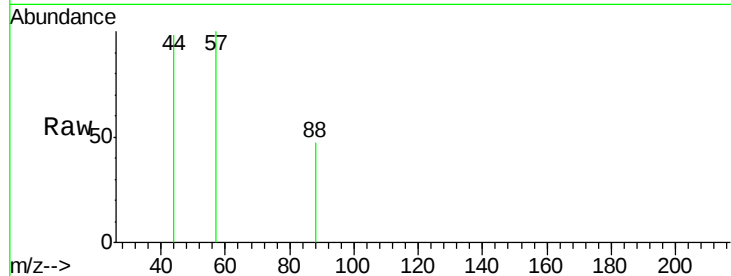




#49
1,4-Dioxane
Concen: 0.476 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

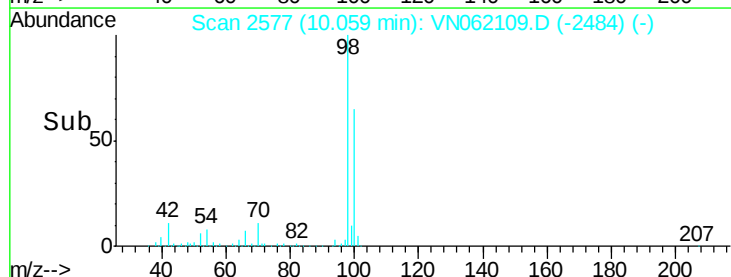
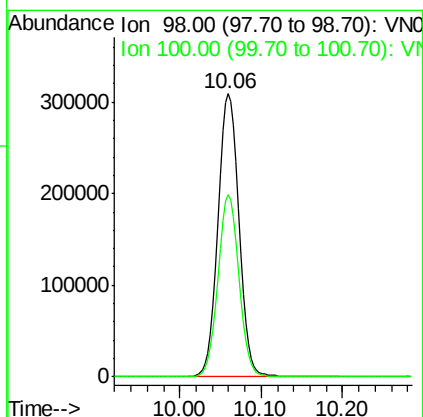
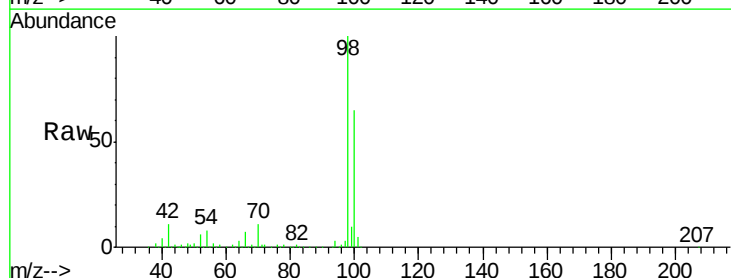
Instrument :
MSVOA_N
ClientSampled :
TW-7.5

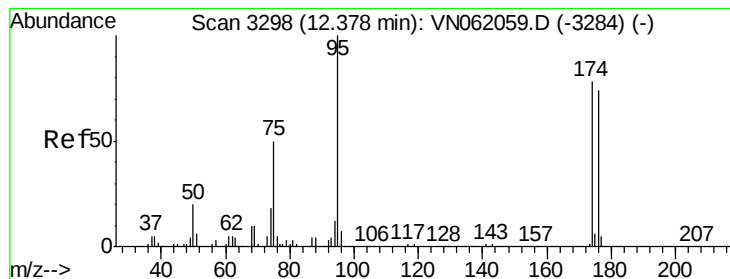
Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 334.5 22.0 33.0#
58 0.0 49.2 73.8#



#50
Toluene-d8
Concen: 49.053 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Tgt Ion: 98 Resp: 567576
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 48.954 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

TW-7.5

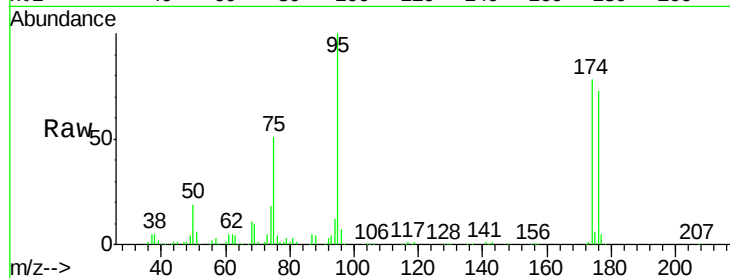
Tgt Ion: 95 Resp: 191375

Ion Ratio Lower Upper

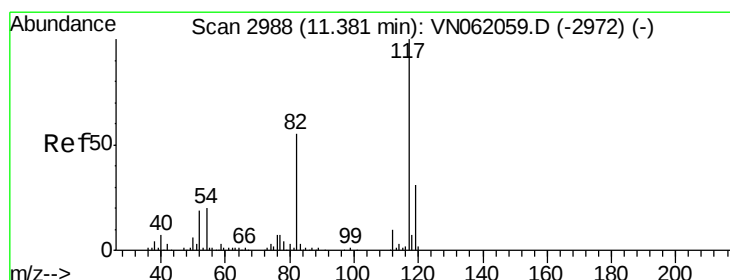
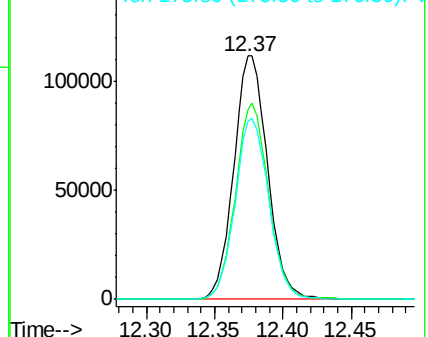
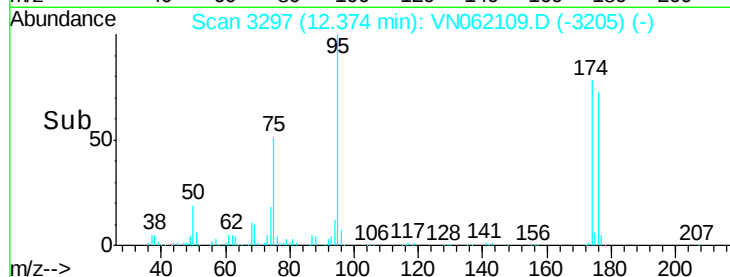
95 100

174 79.0 0.0 154.8

176 74.4 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062109.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

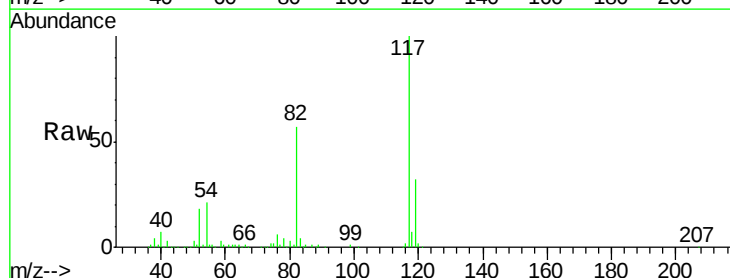
Tgt Ion: 117 Resp: 430088

Ion Ratio Lower Upper

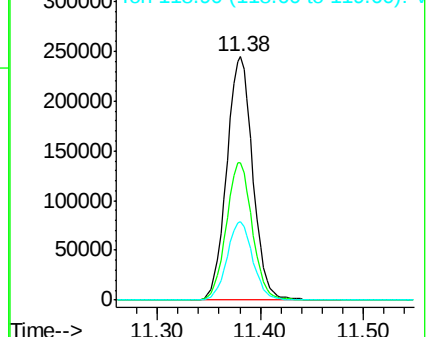
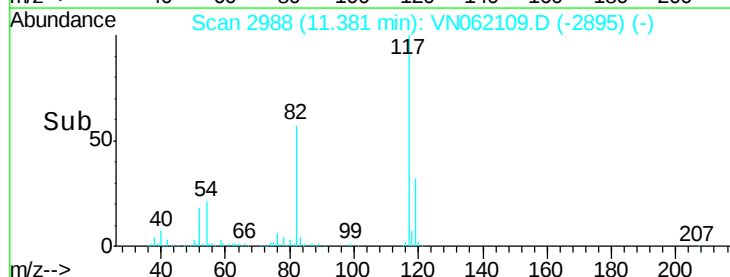
117 100

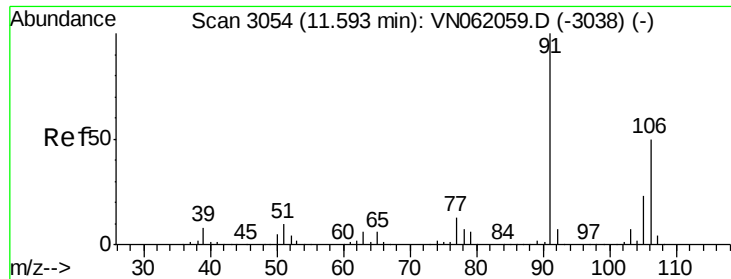
82 56.7 43.8 65.8

119 32.3 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062109.D (-2895) (-)

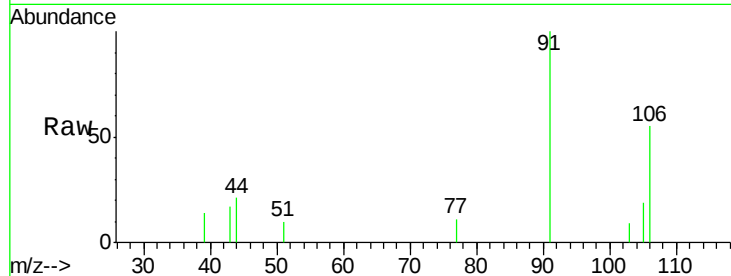




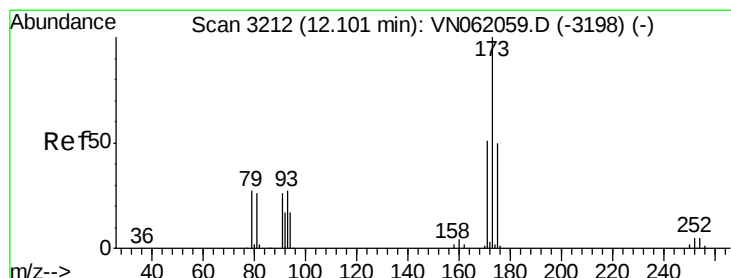
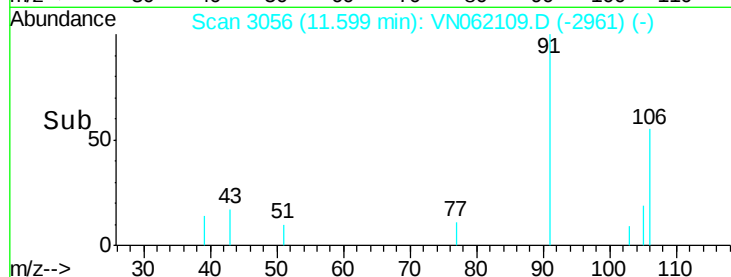
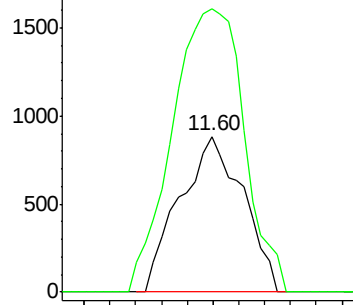
#68
m/p-Xylenes
Concen: 0.246 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Instrument :
MSVOA_N
ClientSampled :
TW-7.5

Tgt Ion:106 Resp: 1515
Ion Ratio Lower Upper
106 100
91 206.1 157.8 236.8

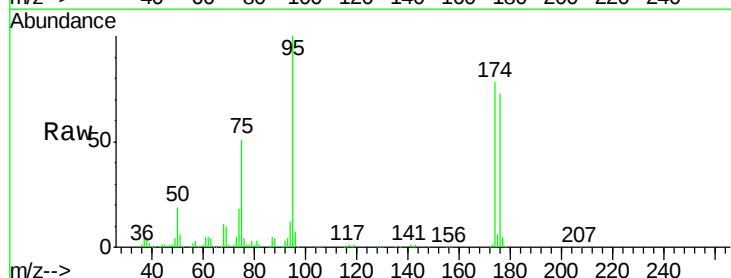


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

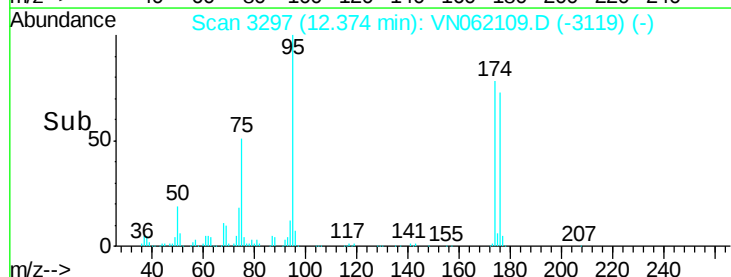
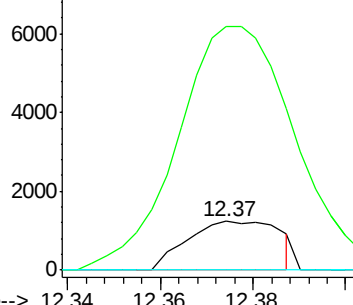


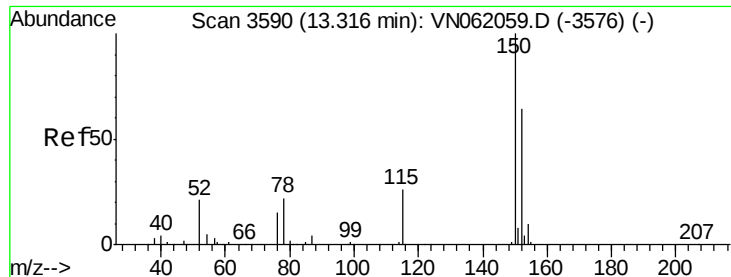
#71
Bromoform
Concen: 0.736 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Tgt Ion:173 Resp: 1710
Ion Ratio Lower Upper
173 100
175 542.4 24.7 74.1#
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# 3591

Delta R.T. 0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

TW-7.5

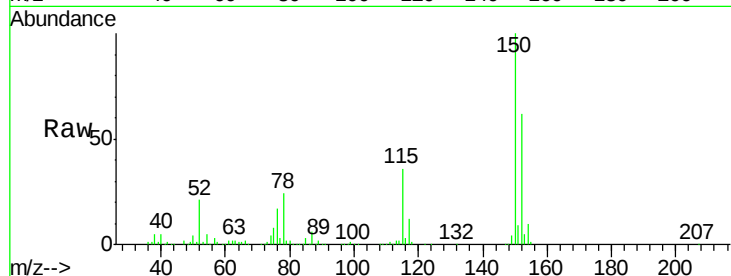
Tgt Ion:152 Resp: 174890

Ion Ratio Lower Upper

152 100

115 57.2 29.5 88.5

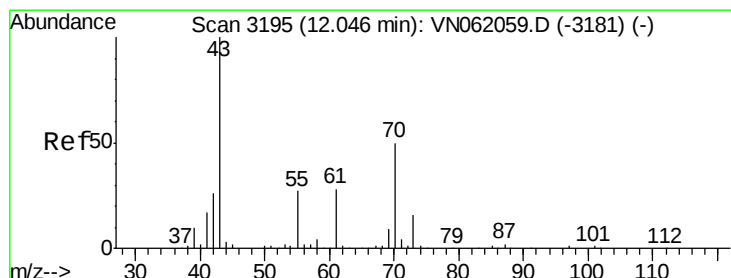
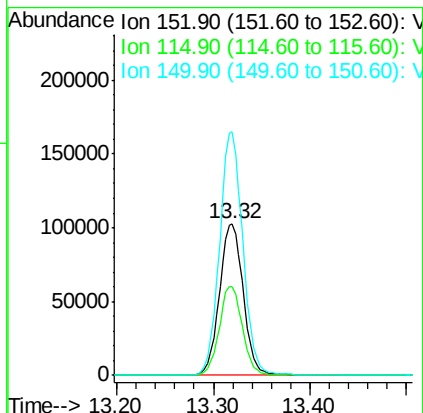
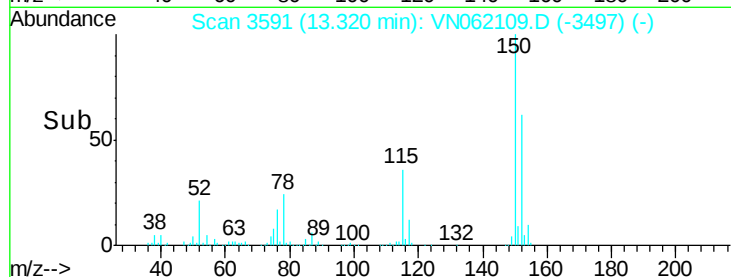
150 157.1 0.0 351.4



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: 3.368 ug/l

RT: 12.05 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Tgt Ion: 43 Resp: 133

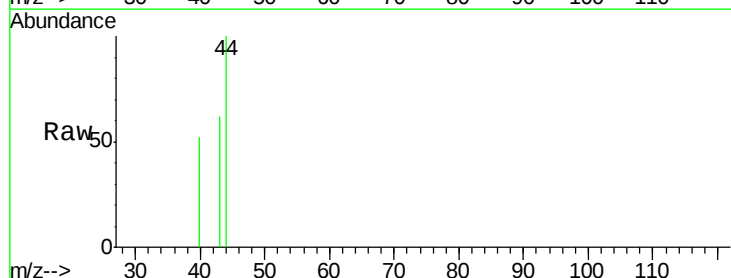
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

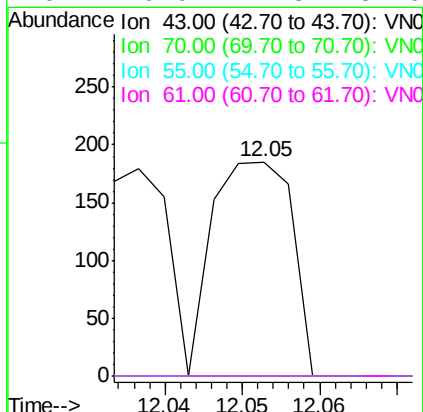
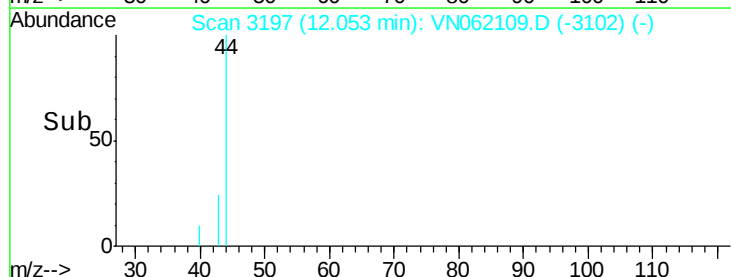


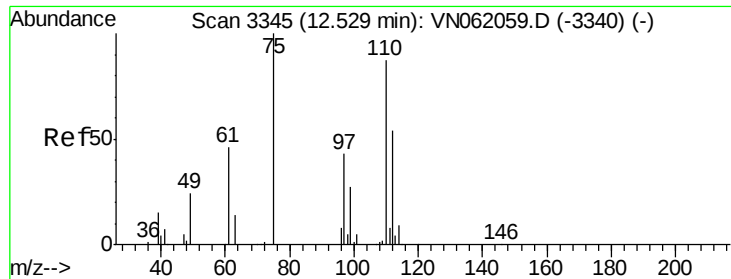
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.405 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

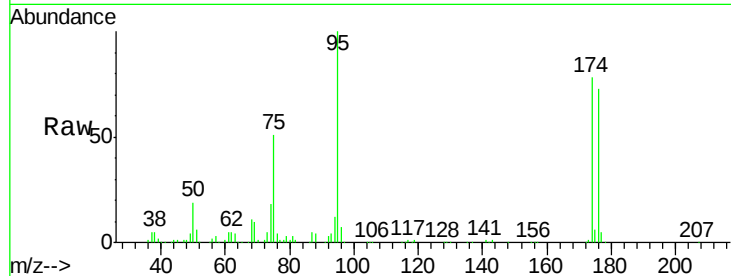
TW-7.5

Tgt Ion: 75 Resp: 96360

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062109.D (-3297) (-)

Ion 77.00 (76.70 to 77.70): VN062109.D (-3297) (-)

12.37

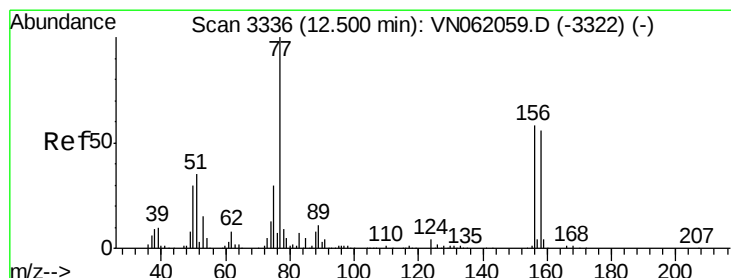
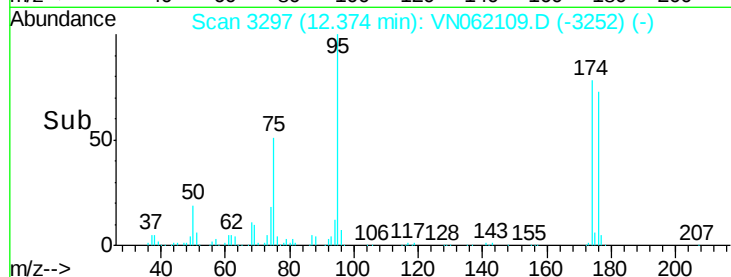
60000

40000

20000

0

Time-->



#77

Bromobenzene

Concen: 0.240 ug/l

RT: 12.49 min Scan# 3334

Delta R.T. -0.01 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

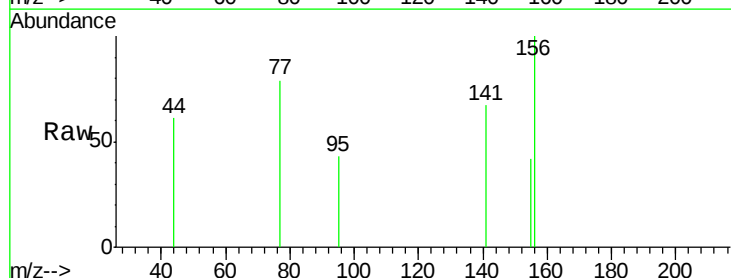
Tgt Ion: 156 Resp: 807

Ion Ratio Lower Upper

156 100

77 39.8 104.6 313.8#

158 0.0 48.0 144.0#



Abundance Ion 155.80 (155.50 to 156.50): VN062109.D (-3334) (-)

Ion 77.00 (76.70 to 77.70): VN062109.D (-3334) (-)

Ion 157.80 (157.50 to 158.50): VN062109.D (-3334) (-)

12.49

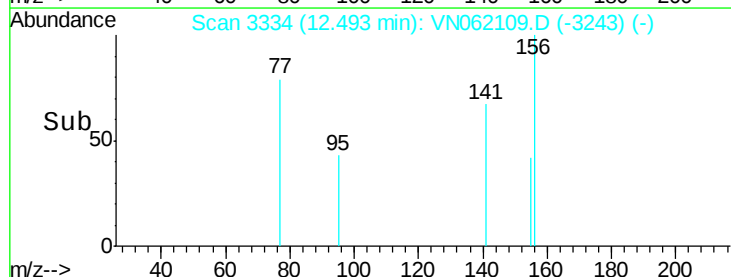
600

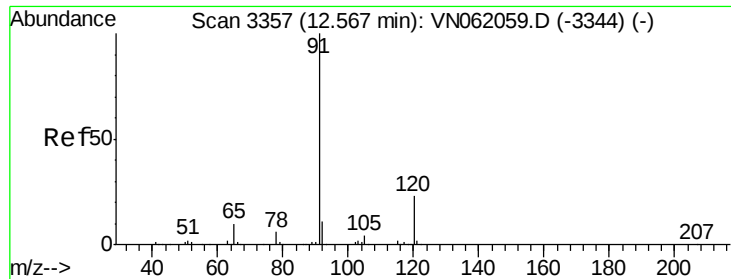
400

200

0

Time-->





#78

n-propylbenzene

Concen: 0.295 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

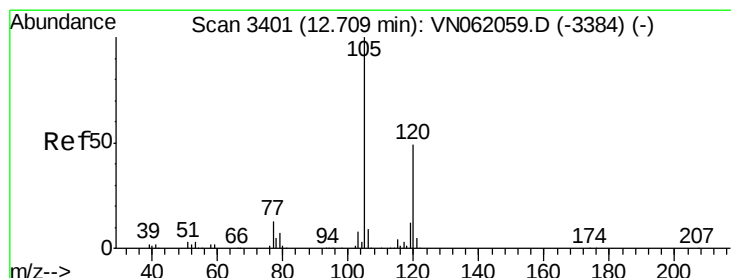
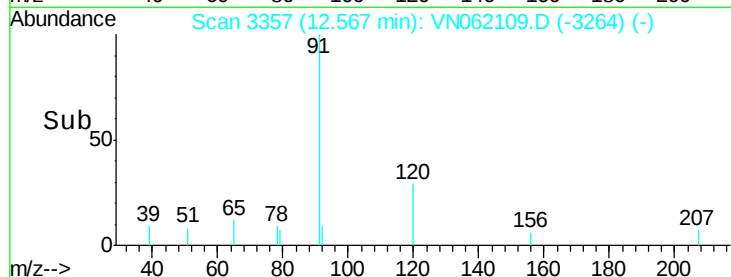
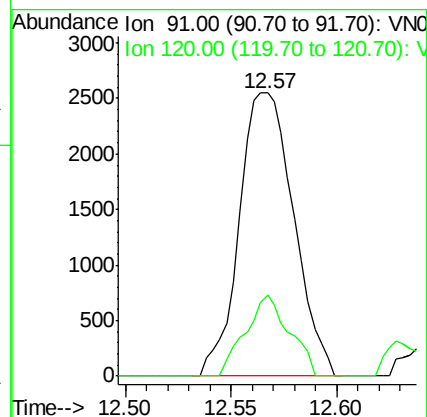
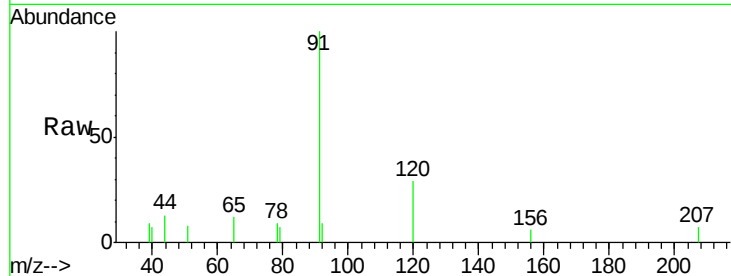
TW-7.5

Tgt Ion: 91 Resp: 4574

Ion Ratio Lower Upper

91 100

120 23.1 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 0.351 ug/l

RT: 12.71 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN062109.D

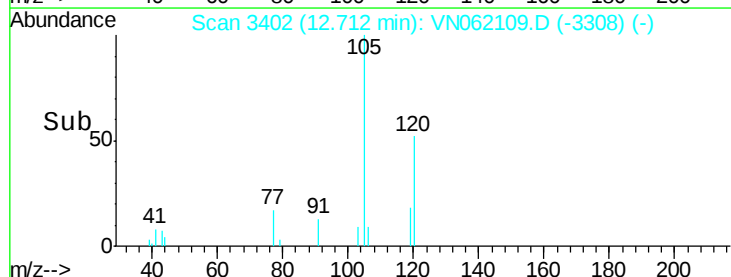
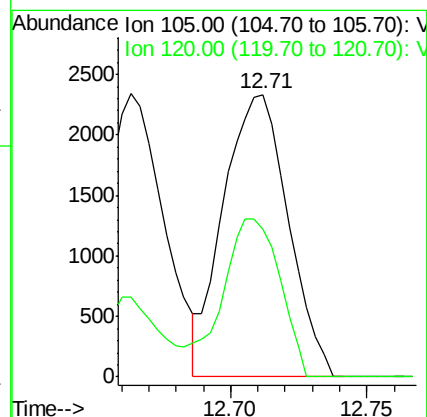
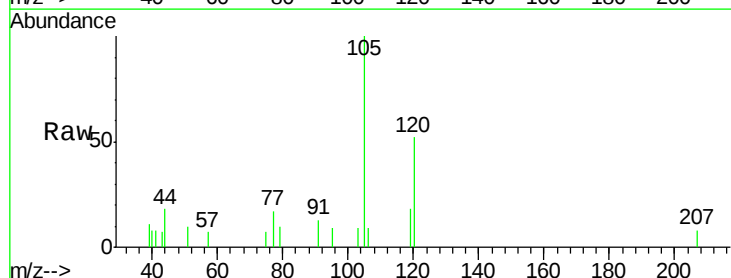
Acq: 25 Jun 2020 14:28

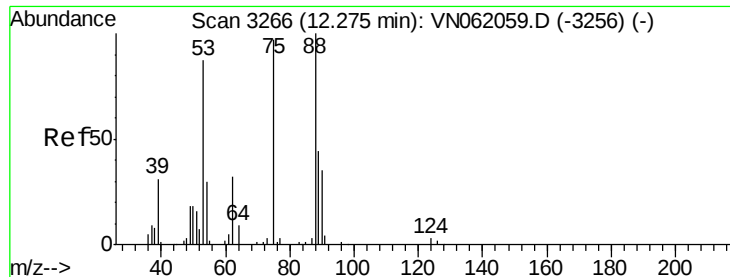
Tgt Ion: 105 Resp: 3849

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.352 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN062109.D

Acq: 25 Jun 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

TW-7.5

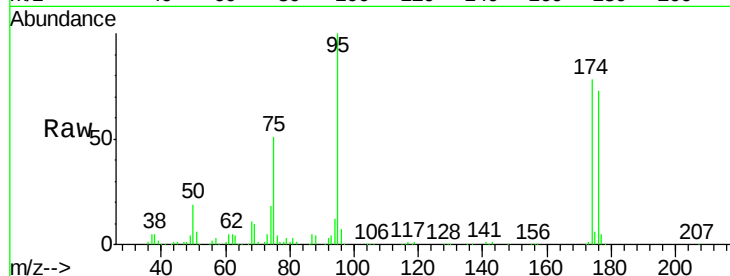
Tgt Ion: 75 Resp: 96360

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

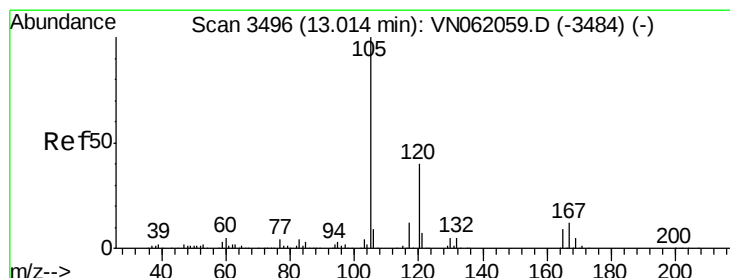
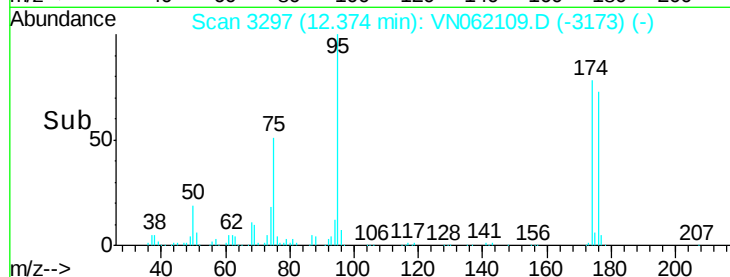
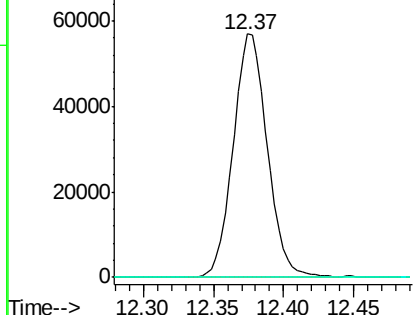
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062109.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062109.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062109.D (-3173) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.999 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. 0.00 min

Lab File: VN062109.D

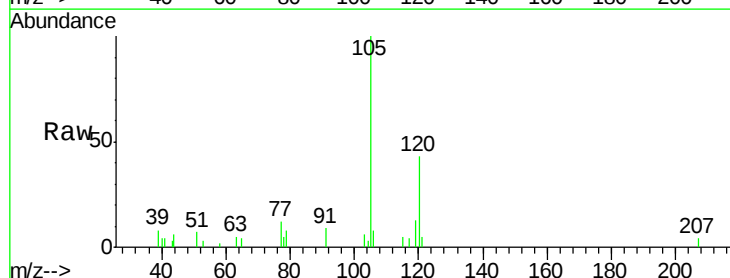
Acq: 25 Jun 2020 14:28

Tgt Ion: 105 Resp: 10954

Ion Ratio Lower Upper

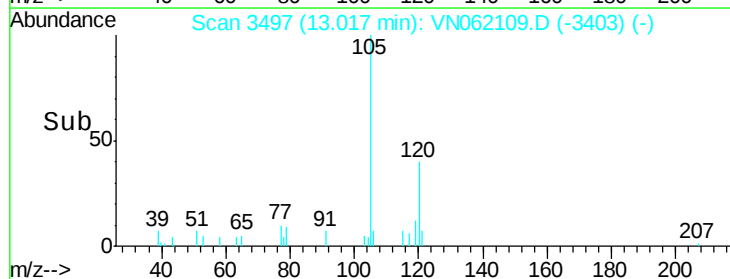
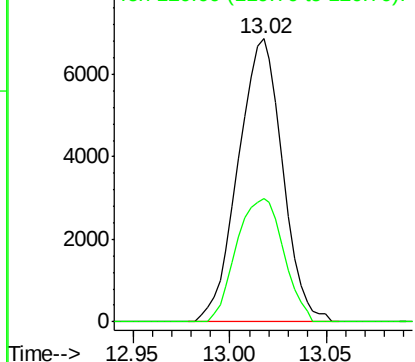
105 100

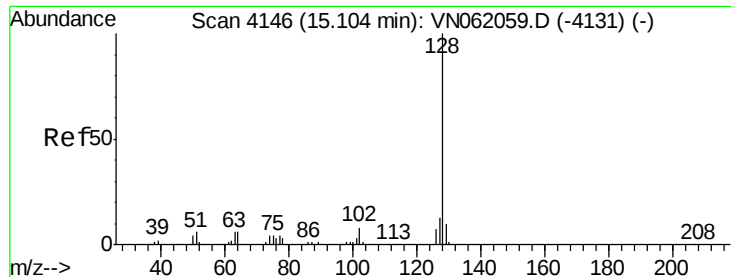
120 46.1 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): VN062109.D (-3403) (-)

Ion 120.00 (119.70 to 120.70): VN062109.D (-3403) (-)

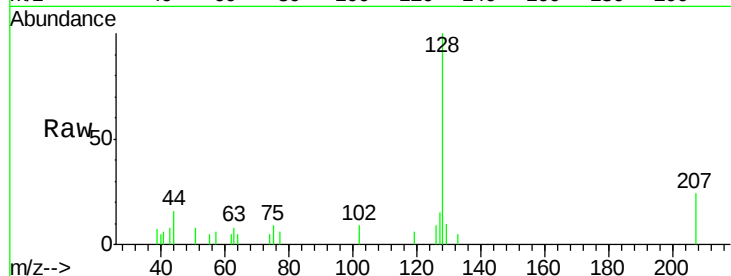




#95
Naphthalene
Concen: 4.701 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062109.D
Acq: 25 Jun 2020 14:28

Instrument :
MSVOA_N
ClientSampleId :
TW-7.5

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.5	15.7
129	8.5	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

