

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062156.D
 Acq On : 26 Jun 2020 22:39
 Operator : JC/MD
 Sample : VN0626WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBL02

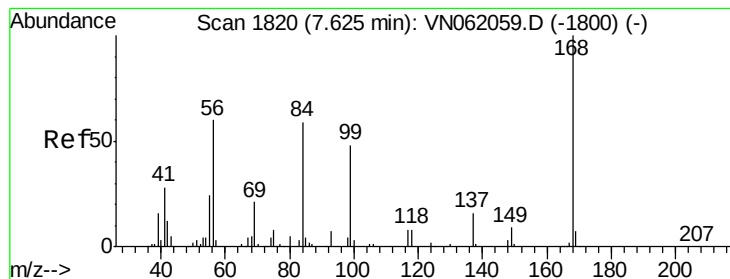
Quant Time: Jun 27 03:47:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	229385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148154	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	152959	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.55	113	129766	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.06	98	519977	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.38	95	167038	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	387	Below Cal	#	41
16) Acetone	3.76	43	66	Below Cal	#	40
17) Carbon Disulfide	4.01	76	2043	0.321	ug/l #	75
20) Methylene Chloride	4.50	84	216	Below Cal	#	35
27) cis-1,2-Dichloroethene	6.78	96	1636	0.485	ug/l	91
31) Cyclohexane	7.63	56	5357	1.205	ug/l #	34
36) 1,1-Dichloropropene	7.63	75	18809	4.450	ug/l #	49
38) Carbon Tetrachloride	7.62	117	22826	5.728	ug/l #	15
44) Trichloroethene	8.80	130	2239	0.689	ug/l	82
71) Bromoform	12.38	173	1441	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	85955	24.645	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	85955	71.974	ug/l #	13
95) Naphthalene	15.11	128	2372	4.304	ug/l #	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062156.D

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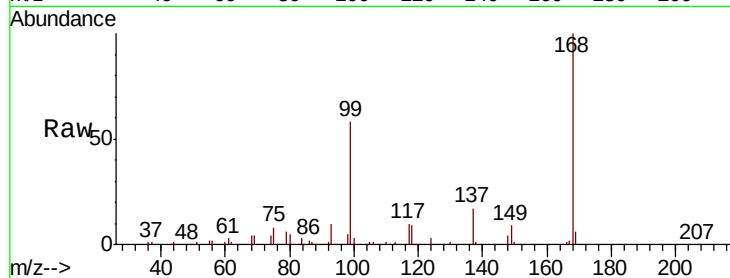
VN0626WBL02

Tot Ion:168 Resp: 229385

Ion Ratio Lower Upper

168 100

99 57.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

100000

80000

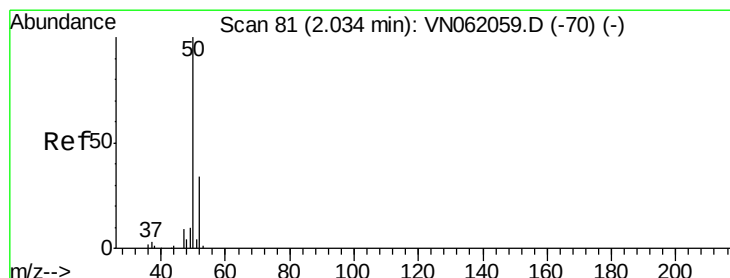
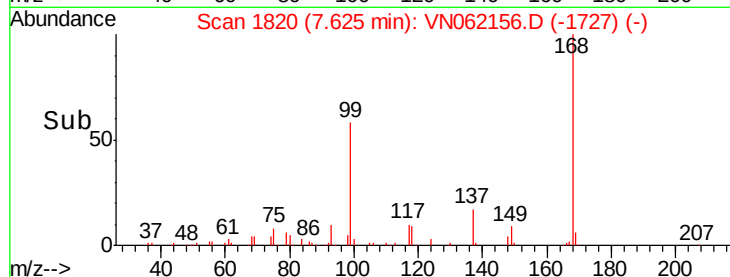
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062156.D

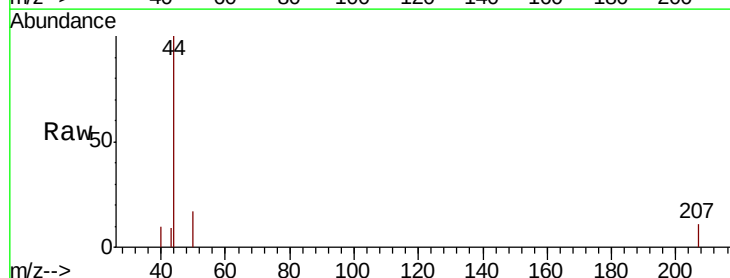
Acq: 26 Jun 2020 22:39

Tgt Ion: 50 Resp: 387

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

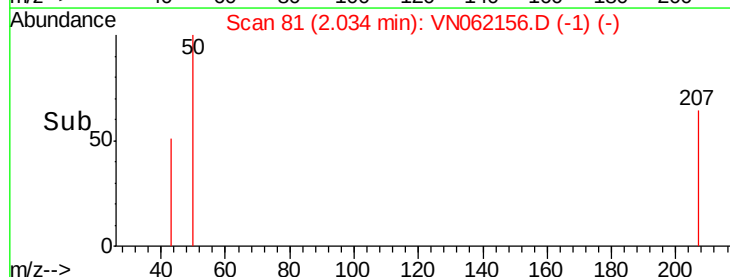
300

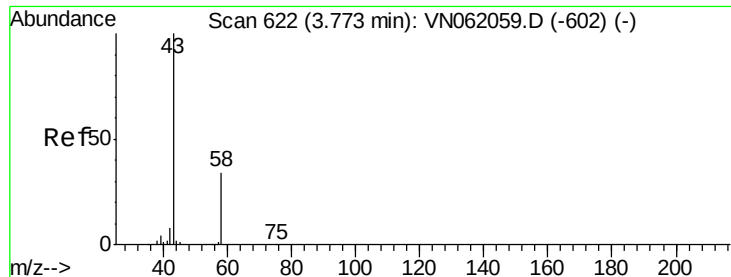
200

100

0

Time--> 2.00 2.02 2.04 2.06





#16

Acetone

Concen: Below Cal

RT: 3.76 min Scan# 619

Delta R.T. -0.01 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

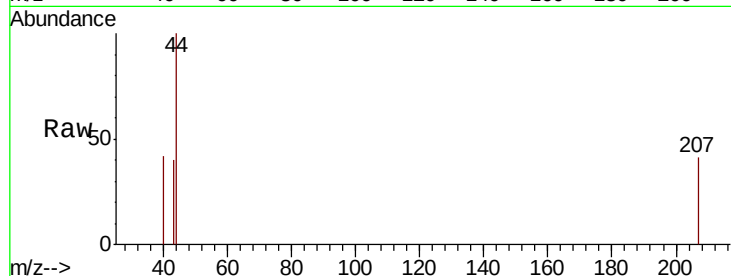
VN0626WBL02

Tot Ion: 43 Resp: 66

Ion Ratio Lower Upper

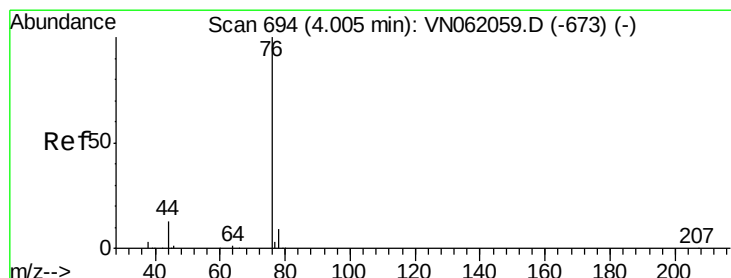
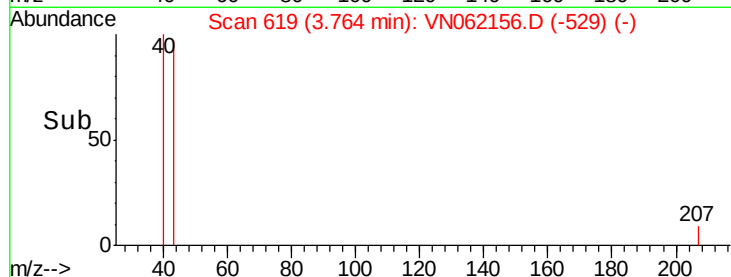
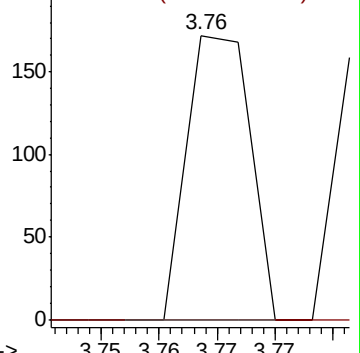
43 100

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: 0.321 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN062156.D

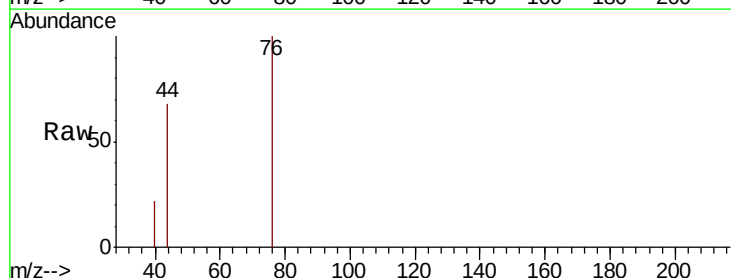
Acq: 26 Jun 2020 22:39

Tgt Ion: 76 Resp: 2043

Ion Ratio Lower Upper

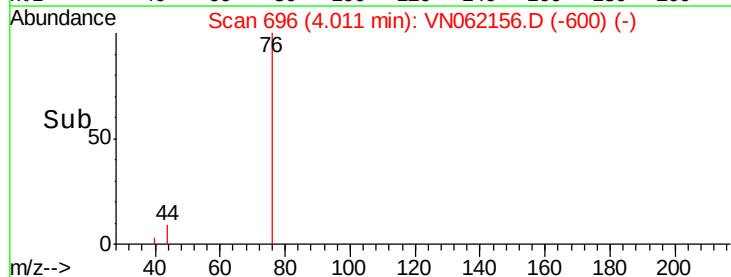
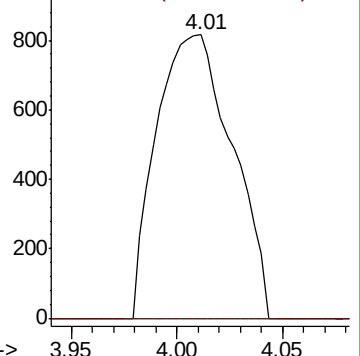
76 100

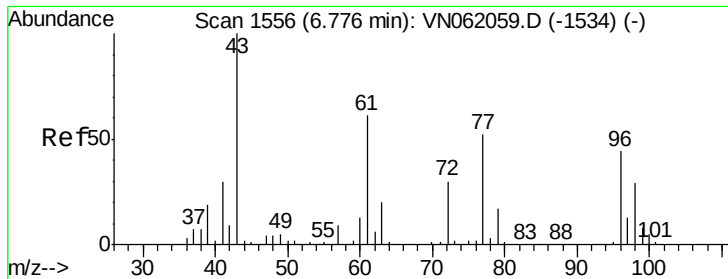
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.485 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

Instrument :

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ClientSampleId :

VN0626WBL02

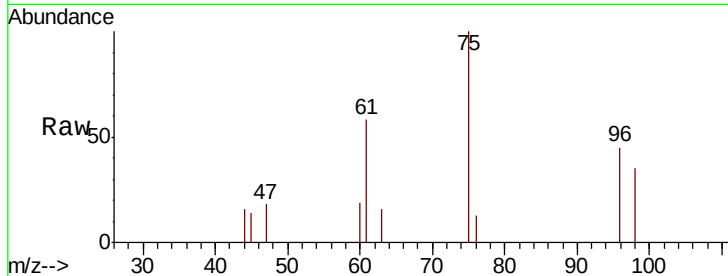
Tot Ion: 96 Resp: 1636

Ion Ratio Lower Upper

96 100

61 155.8 0.0 280.4

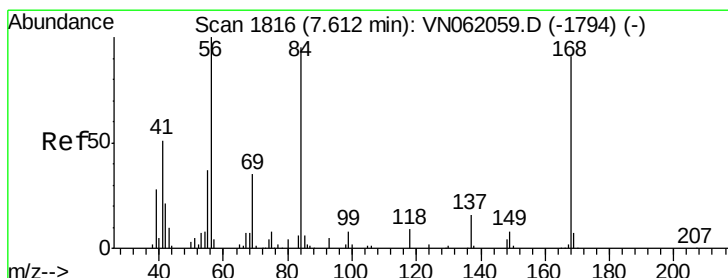
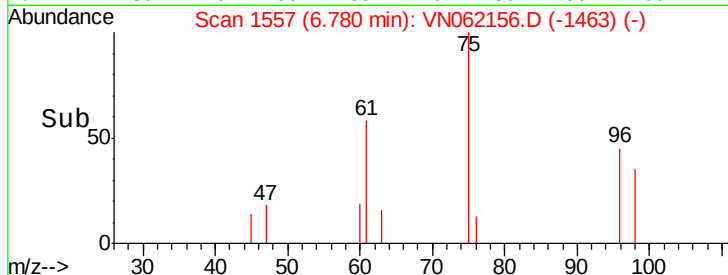
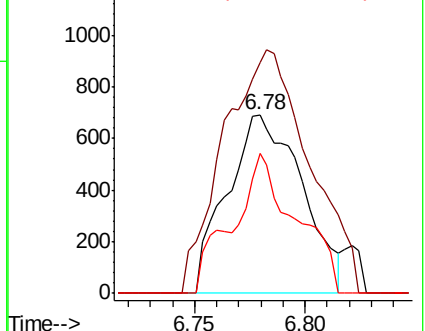
98 66.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

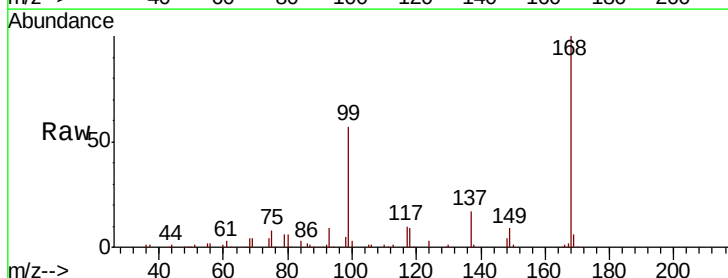
Tgt Ion: 56 Resp: 5357

Ion Ratio Lower Upper

56 100

69 153.0 28.0 42.0#

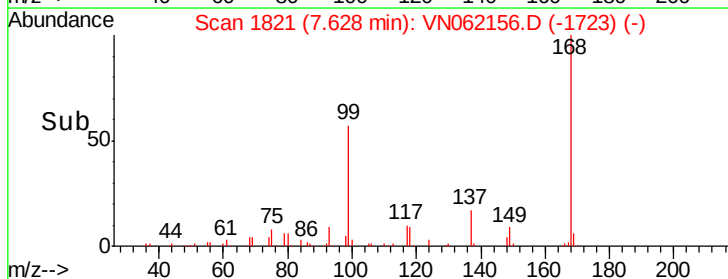
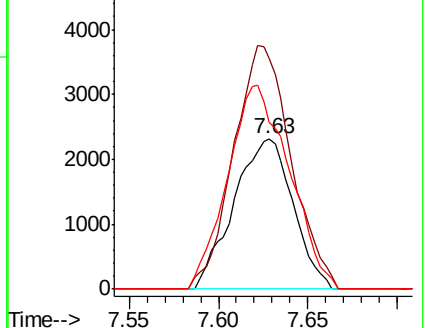
84 110.6 76.1 114.1

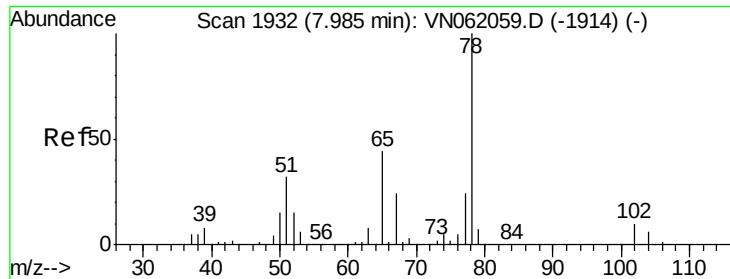


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

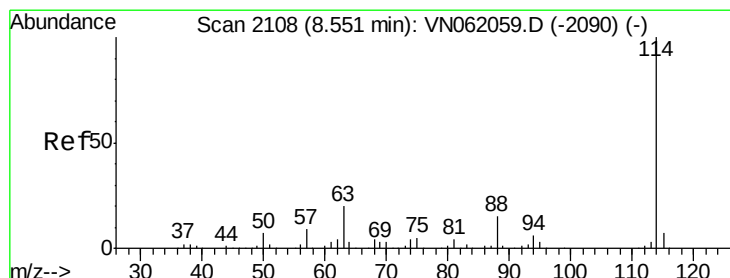
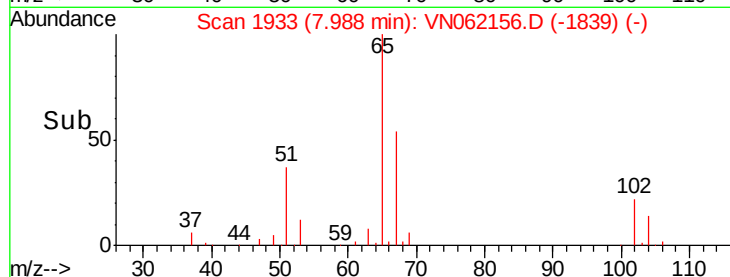
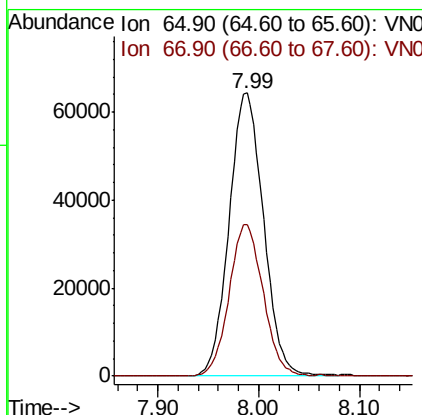
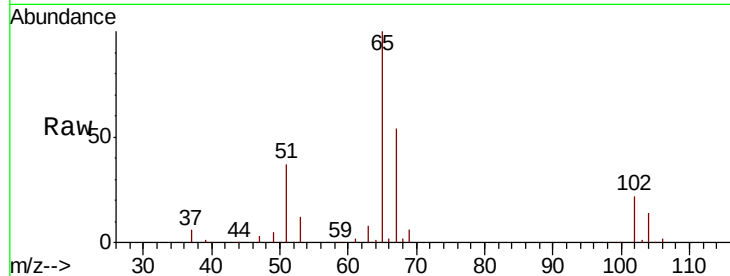




#33
 1,2-Dichloroethane-d4
 Concen: 47.517 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062156.D
 Acq: 26 Jun 2020 22:39

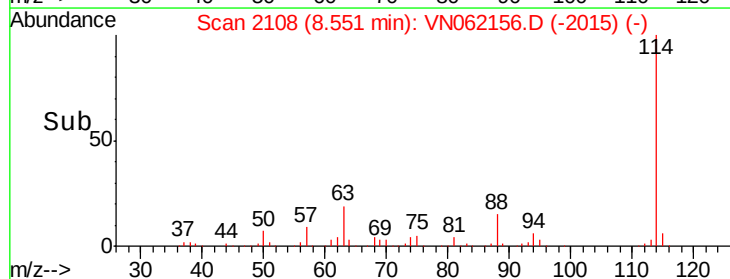
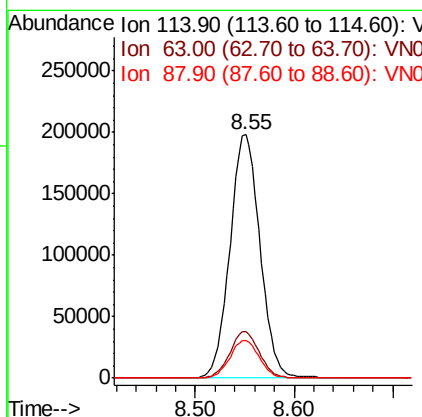
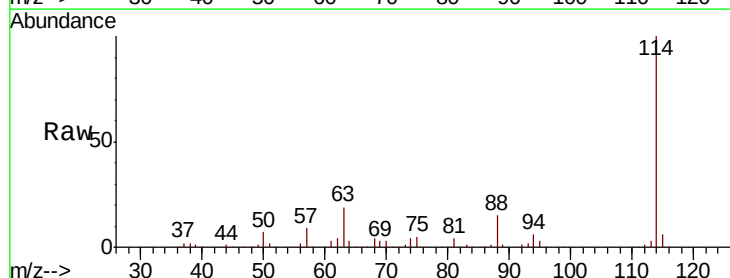
Instrument :
 MSVOA_N
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 VN0626WBL02

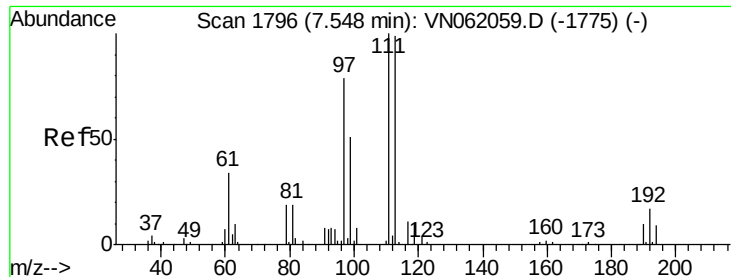
Tot Ion: 65 Resp: 152959
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062156.D
 Acq: 26 Jun 2020 22:39

Tgt Ion: 114 Resp: 420523
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.5 0.0 30.8

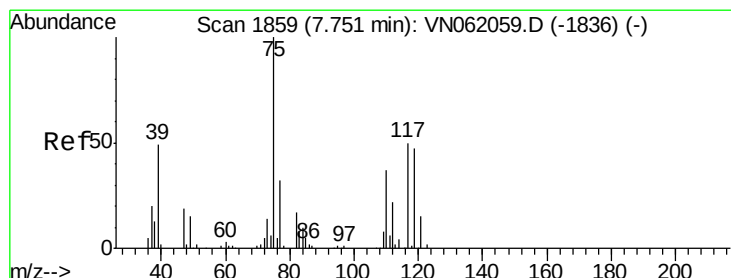
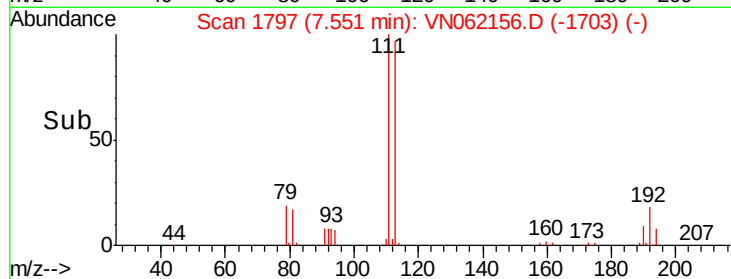
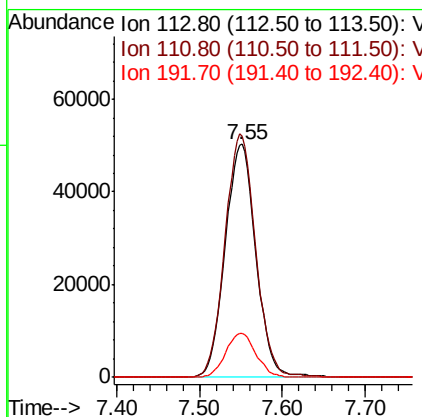
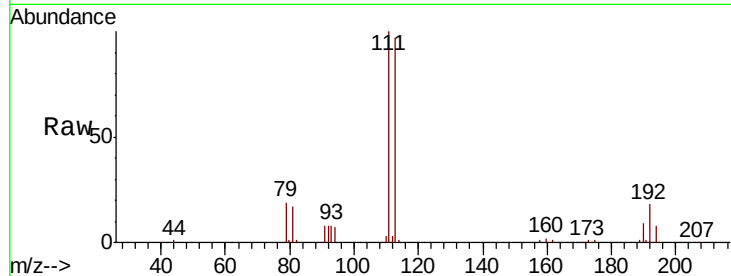




#35
 Dibromofluoromethane
 Concen: 48.100 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062156.D
 Acq: 26 Jun 2020 22:39

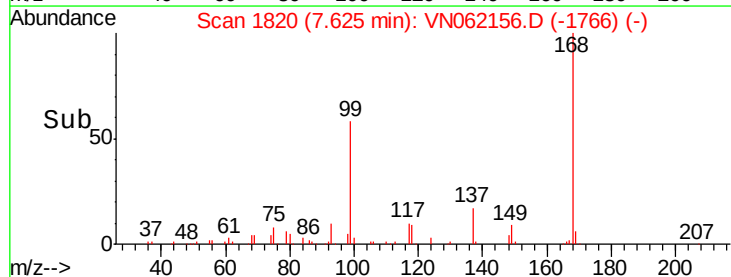
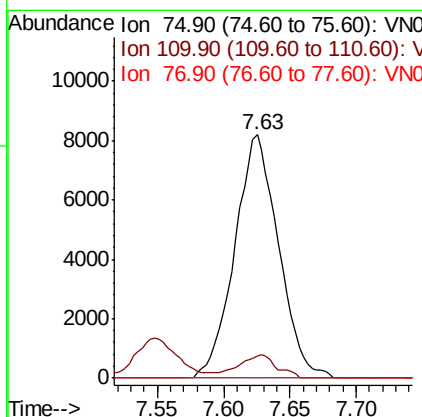
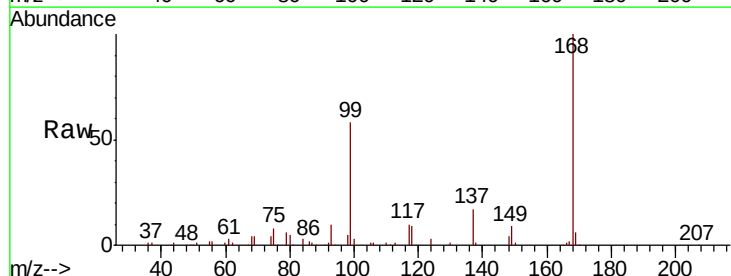
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBL02

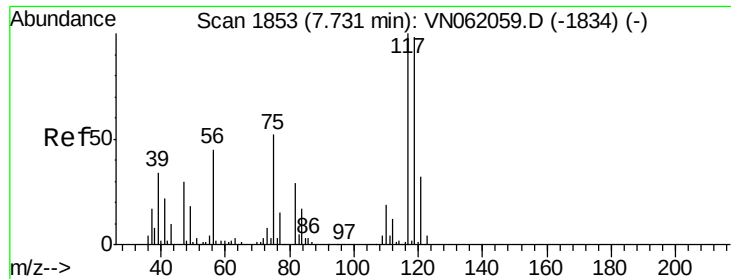
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	18.5	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.450 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062156.D
 Acq: 26 Jun 2020 22:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.728 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

Instrument :

MSVOA_N

ClientSampled :

VN0626WBL02

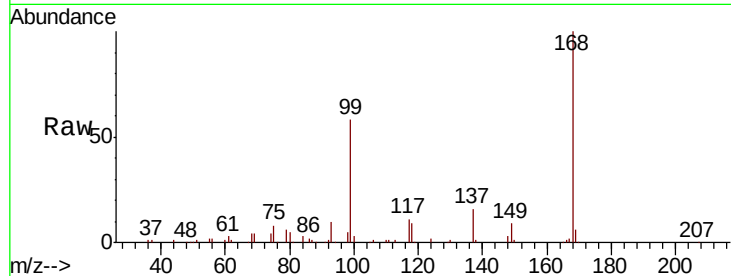
Tot Ion:117 Resp: 22826

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

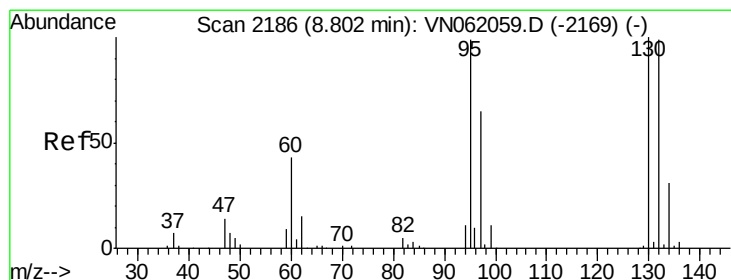
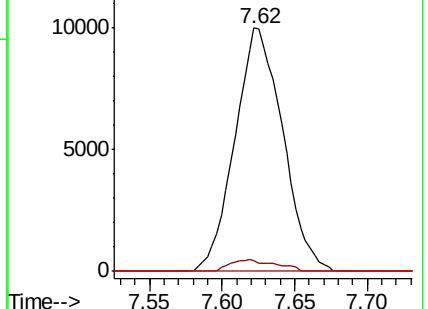
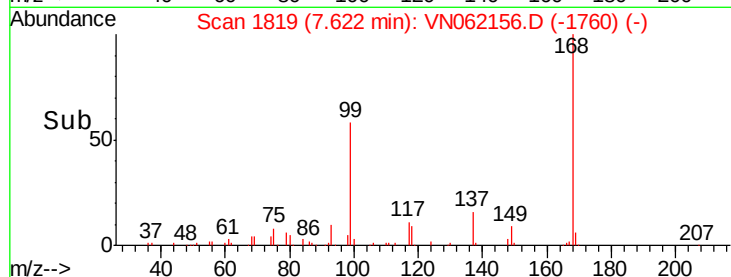
121 0.0 25.8 38.6#



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



#44

Trichloroethene

Concen: 0.689 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062156.D

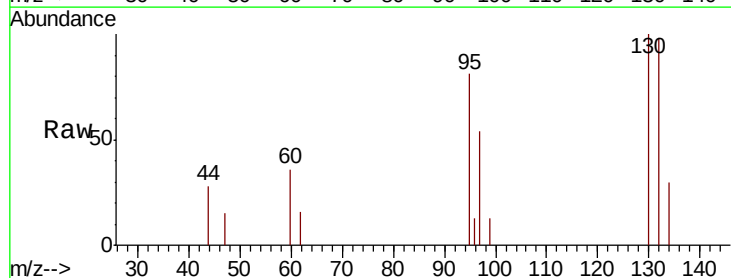
Acq: 26 Jun 2020 22:39

Tgt Ion:130 Resp: 2239

Ion Ratio Lower Upper

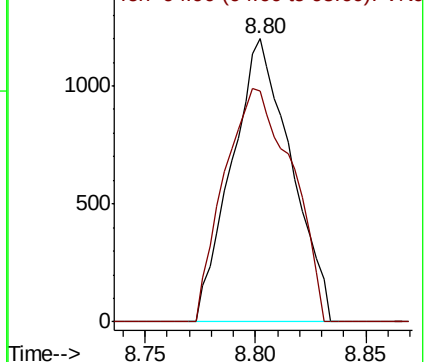
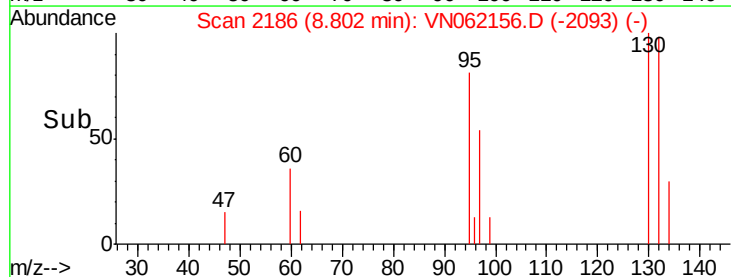
130 100

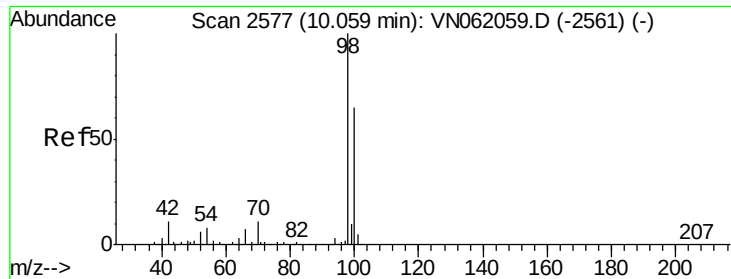
95 81.4 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 48.216 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062156.D

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ClientSampleId :

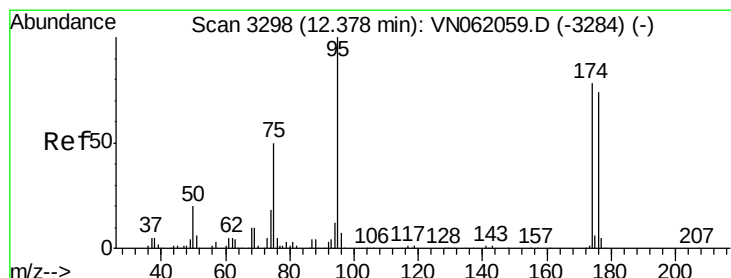
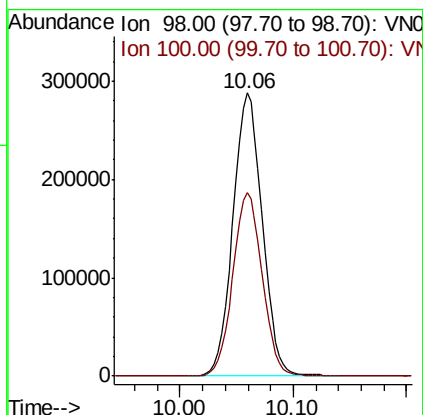
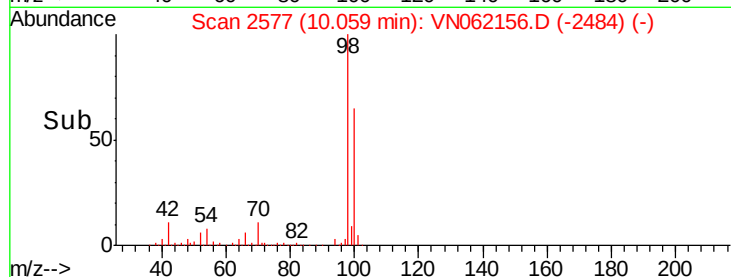
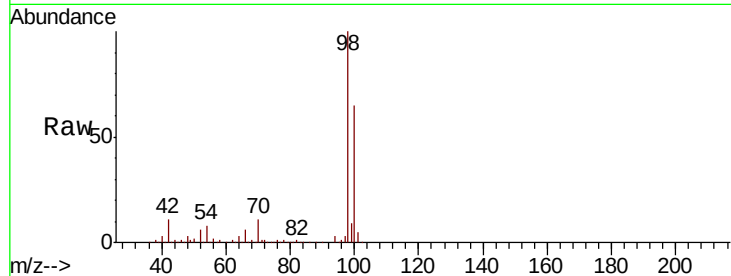
VN0626WBL02

Tot Ion: 98 Resp: 519977

Ion Ratio Lower Upper

98 100

100 65.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 45.845 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

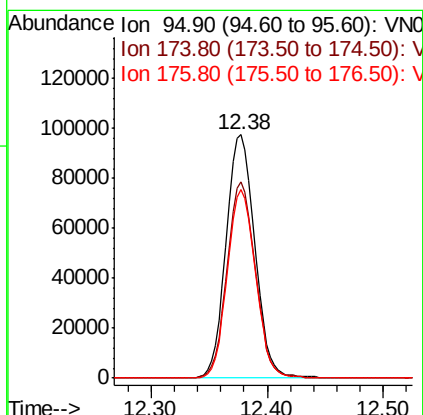
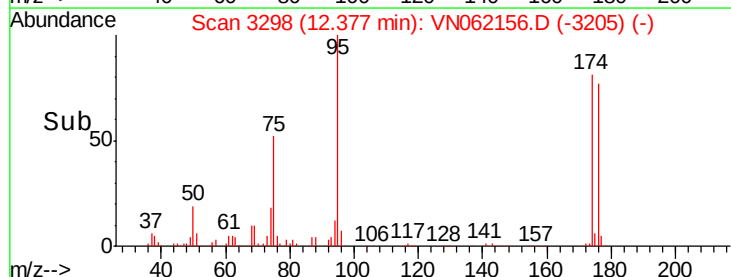
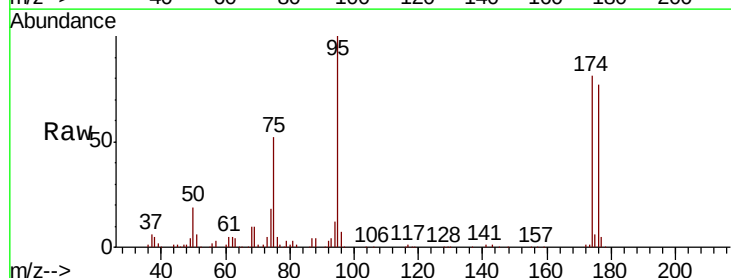
Tgt Ion: 95 Resp: 167038

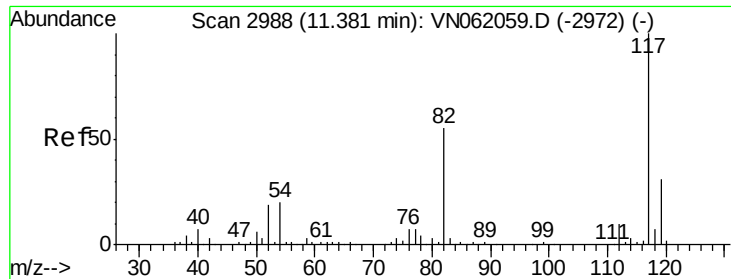
Ion Ratio Lower Upper

95 100

174 79.3 0.0 154.8

176 76.0 0.0 147.4

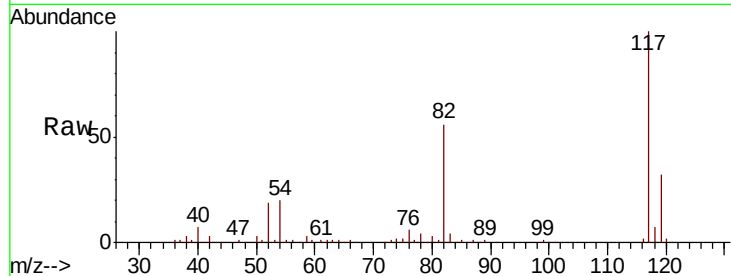




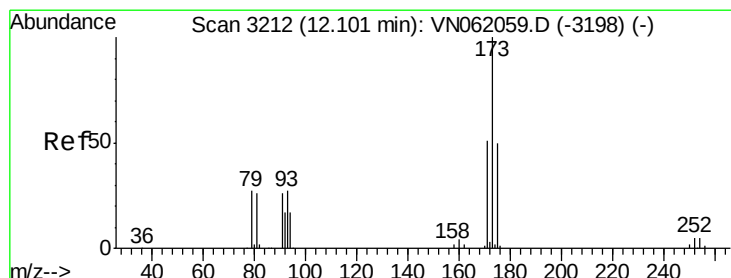
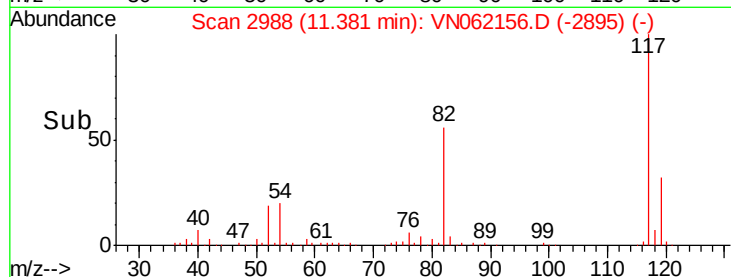
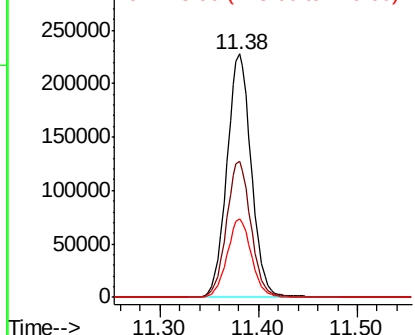
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062156.D
Acq: 26 Jun 2020 22:39

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL02

Tot Ion:117 Resp: 395353
Ion Ratio Lower Upper
117 100
82 55.8 43.8 65.8
119 32.4 25.2 37.8

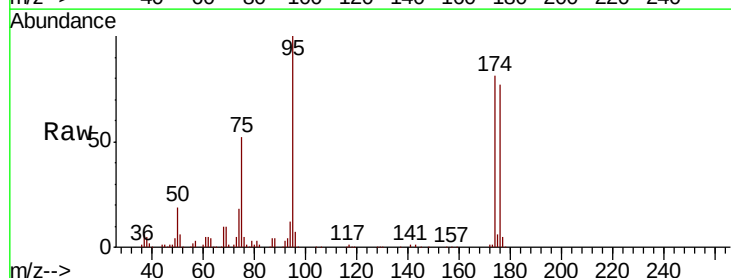


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

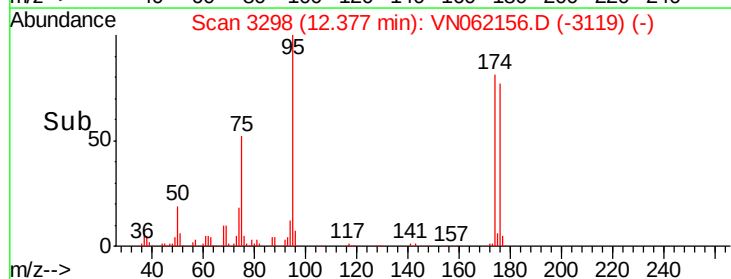
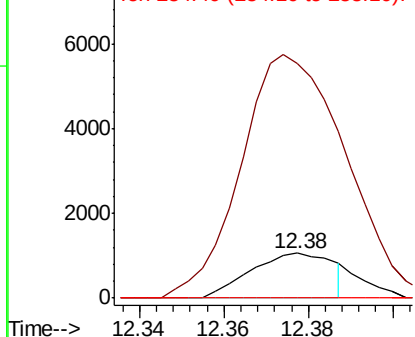


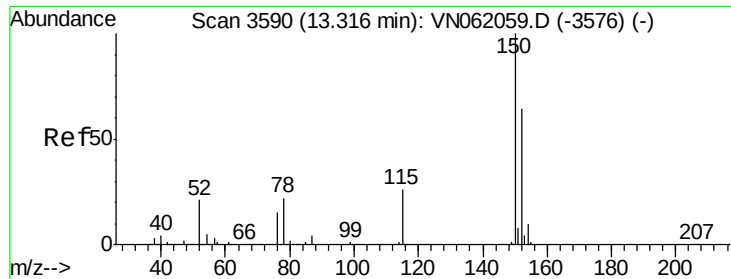
#71
Bromoform
Concen: 0.675 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062156.D
Acq: 26 Jun 2020 22:39

Tgt Ion:173 Resp: 1441
Ion Ratio Lower Upper
173 100
175 578.7 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: VN062156.D

Acq: 26 Jun 2020 22:39

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBL02

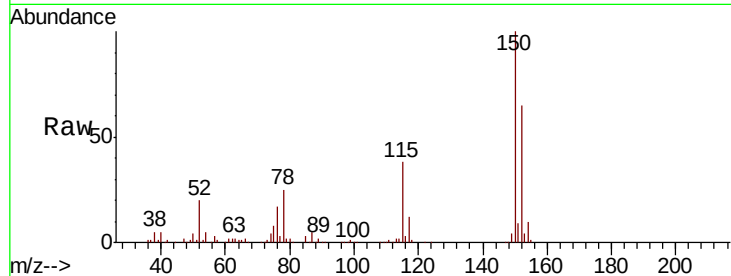
Tot Ion:152 Resp: 148154

Ion Ratio Lower Upper

152 100

115 58.9 29.5 88.5

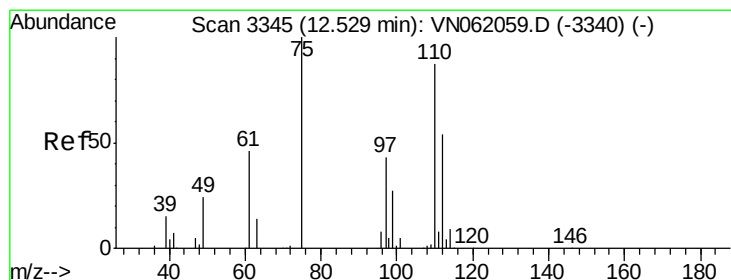
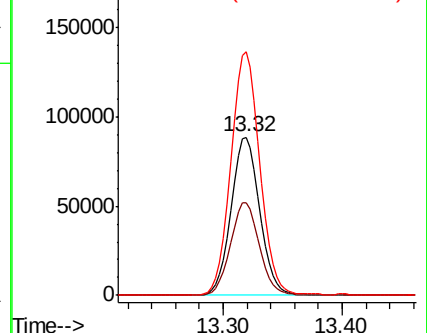
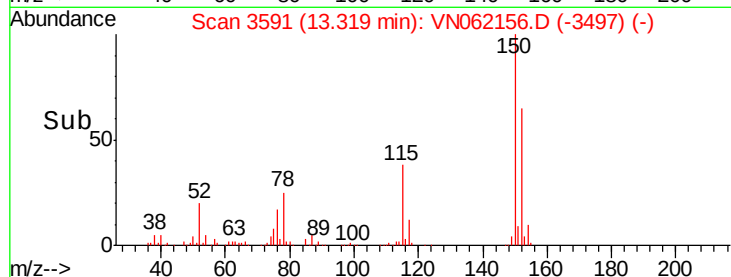
150 155.3 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 24.645 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062156.D

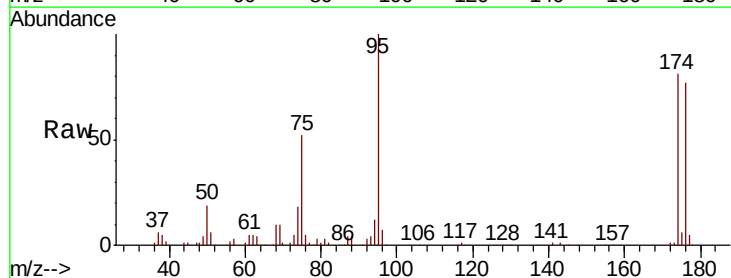
Acq: 26 Jun 2020 22:39

Tgt Ion: 75 Resp: 85955

Ion Ratio Lower Upper

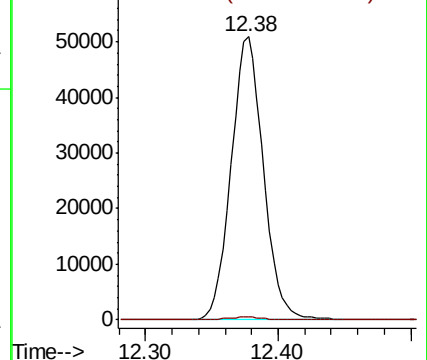
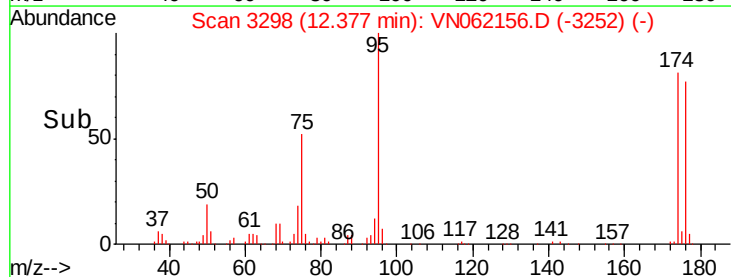
75 100

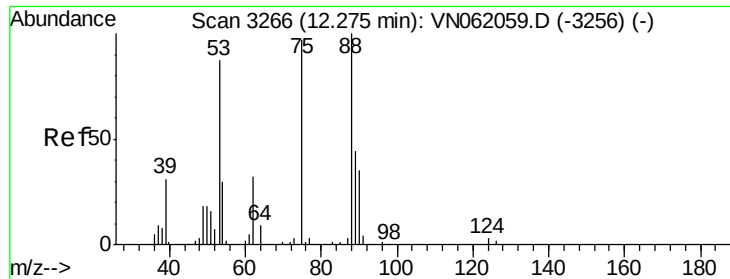
77 1.1 0.0 0.0#



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: 71.974 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

Instrument :

MSVOA_N

ClientSampled :

VN0626WBL02

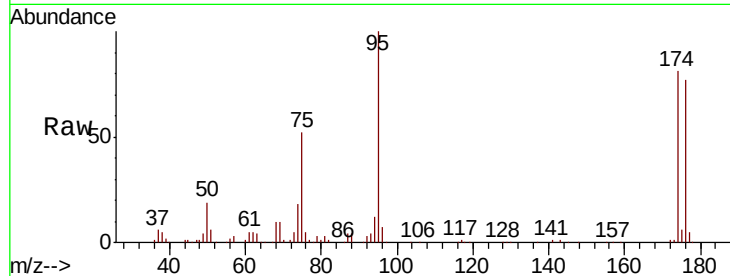
Tot Ion: 75 Resp: 85955

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

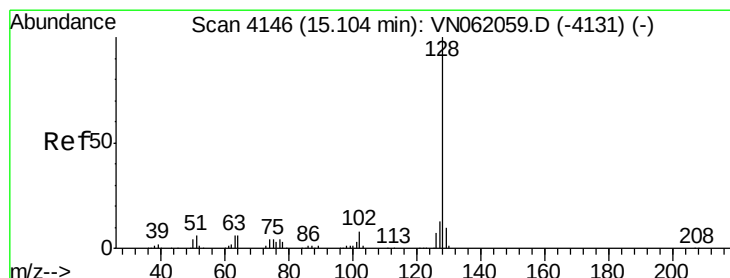
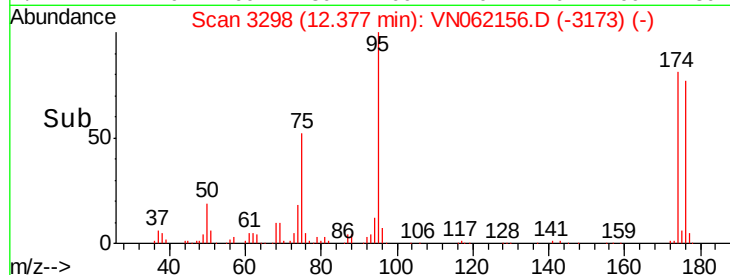
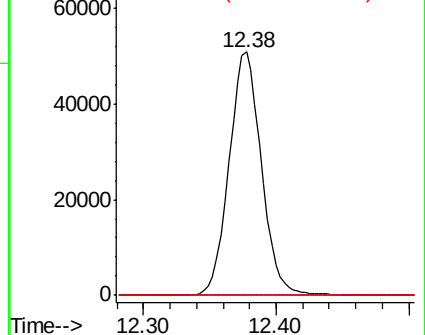
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#95

Naphthalene

Concen: 4.304 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062156.D

Acq: 26 Jun 2020 22:39

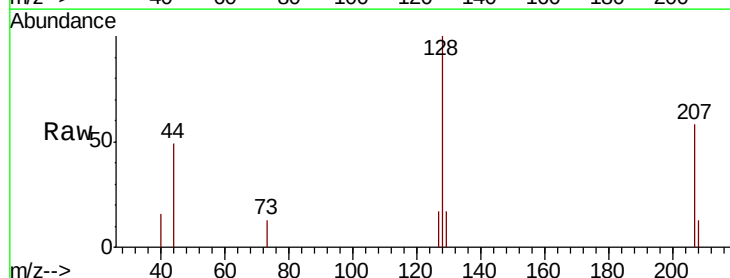
Tgt Ion: 128 Resp: 2372

Ion Ratio Lower Upper

128 100

127 8.4 10.5 15.7#

129 11.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN062059.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN062059.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN062059.D (-4131) (-)

