

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062307.D
 Acq On : 1 Jul 2020 21:20
 Operator : JC/MD
 Sample : L3101-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EBS8-W-04

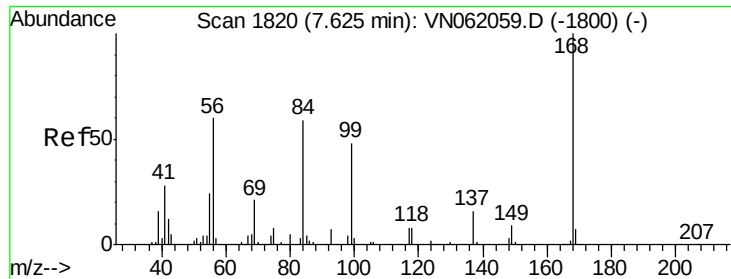
Quant Time: Jul 02 06:56:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	186983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	370385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	362320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132473	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	151355	57.68	ug/l	0.00
Spiked Amount			Recovery	=	115.36%	
35) Dibromofluoromethane	7.55	113	121679	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
50) Toluene-d8	10.06	98	480926	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.38	95	154681	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1923	Below Cal		91
16) Acetone	3.78	43	2463	Below Cal		91
20) Methylene Chloride	4.50	84	372	Below Cal	#	42
27) cis-1,2-Dichloroethene	6.79	96	1591	0.578	ug/l	86
31) Cyclohexane	7.63	56	5145	1.419	ug/l #	26
36) 1,1-Dichloropropene	7.63	75	16894	4.538	ug/l #	48
38) Carbon Tetrachloride	7.63	117	19548	5.569	ug/l #	15
44) Trichloroethene	8.80	130	2464	0.861	ug/l	90
71) Bromoform	12.38	173	1465	0.749	ug/l #	1
74) N-amyl acetate	12.05	43	31	3.351	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	80489	25.810	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	80489	75.375	ug/l #	13

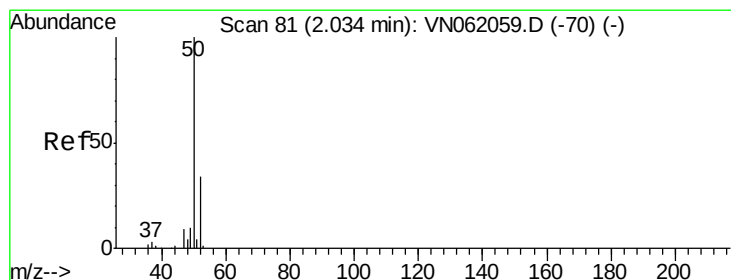
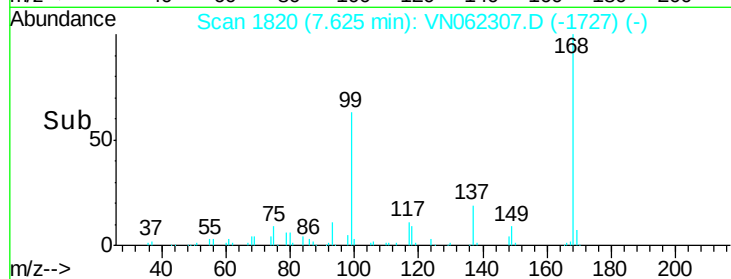
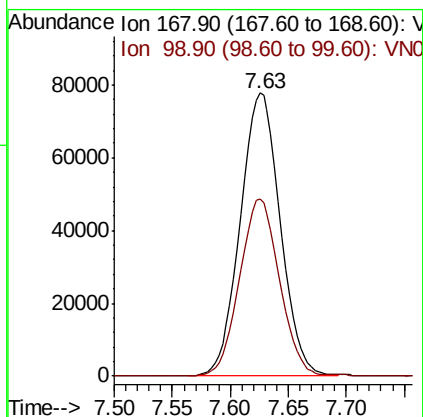
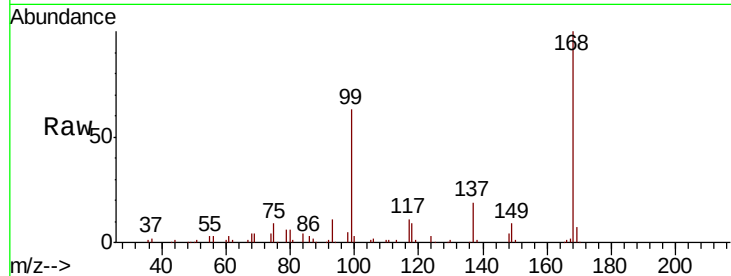
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062307.D
Acq: 1 Jul 2020 21:20

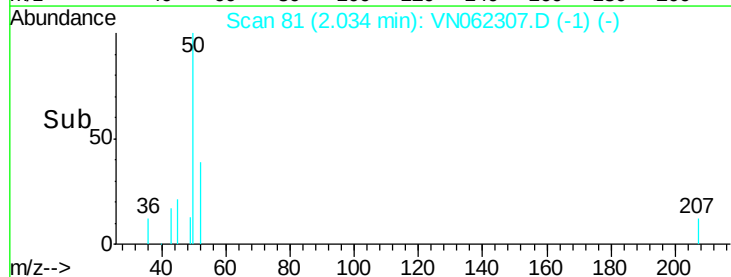
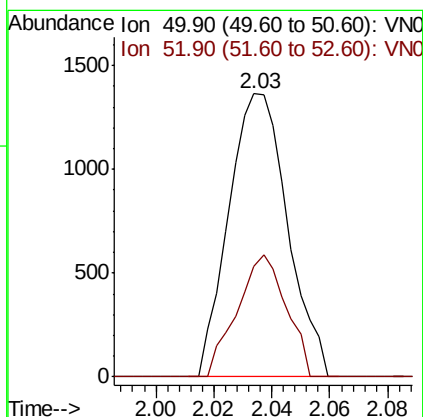
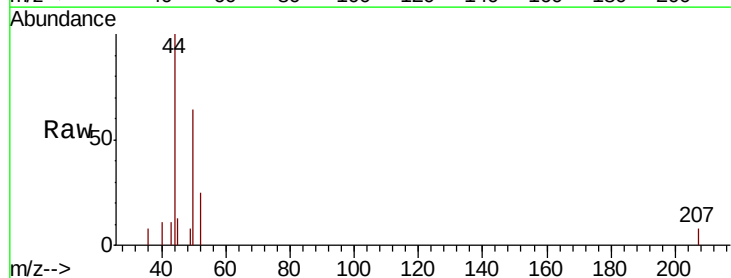
Instrument :
MSVOA_N
ClientSampleId :
EBS8-W-04

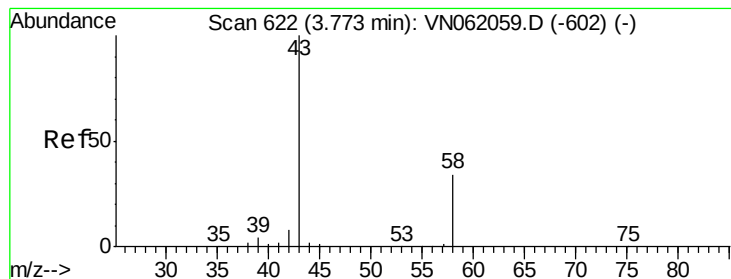
Tot Ion:168 Resp: 186983
Ion Ratio Lower Upper
168 100
99 62.8 45.8 68.8



#3
Chloromethane
Concen: Below Cal
RT: 2.03 min Scan# 81
Delta R.T. 0.00 min
Lab File: VN062307.D
Acq: 1 Jul 2020 21:20

Tgt Ion: 50 Resp: 1923
Ion Ratio Lower Upper
50 100
52 39.2 27.0 40.6





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampled :

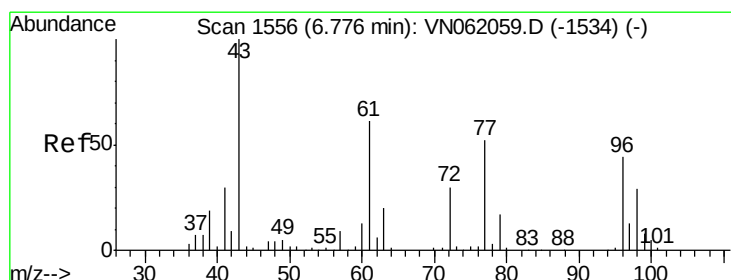
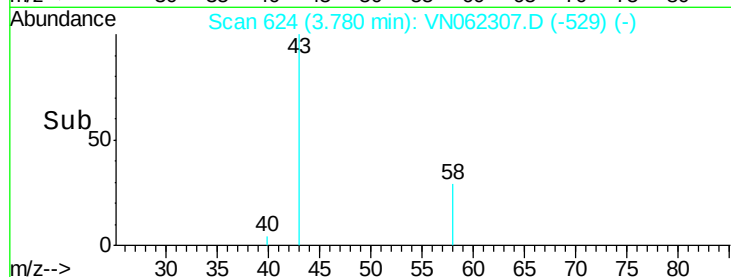
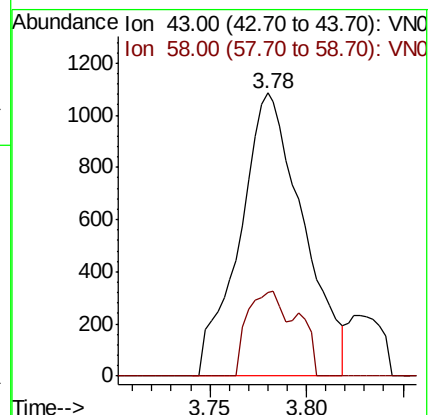
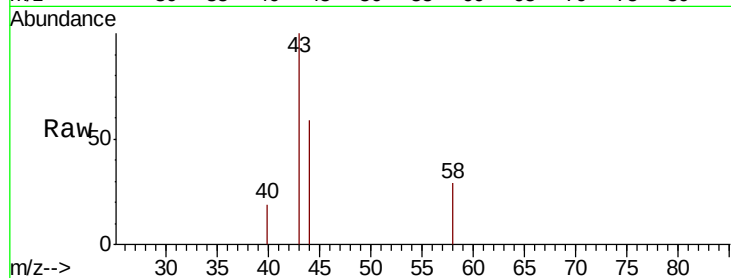
EBS8-W-04

Tot Ion: 43 Resp: 2463

Ion Ratio Lower Upper

43 100

58 29.5 27.5 41.3



#27

cis-1,2-Dichloroethene

Concen: 0.578 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.02 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

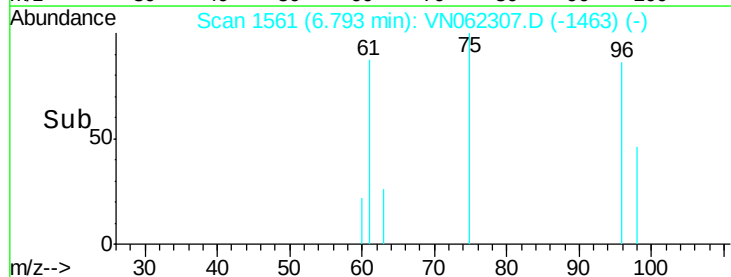
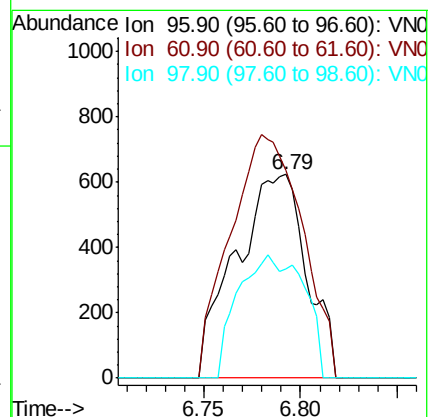
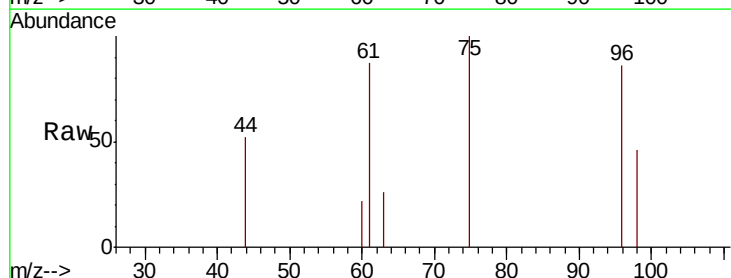
Tgt Ion: 96 Resp: 1591

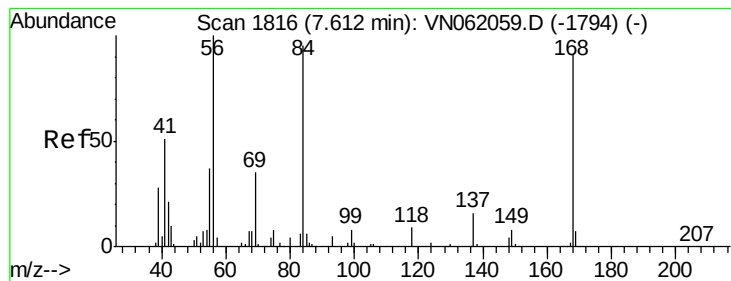
Ion Ratio Lower Upper

96 100

61 121.1 0.0 280.4

98 56.4 0.0 129.4





#31

Cyclohexane

Concen: 1.419 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

EBS8-W-04

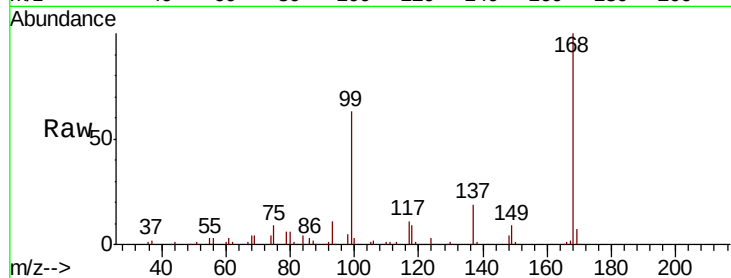
Tot Ion: 56 Resp: 5145

Ion Ratio Lower Upper

56 100

69 148.6 28.0 42.0#

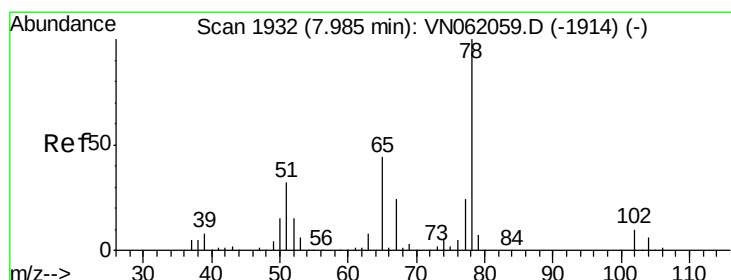
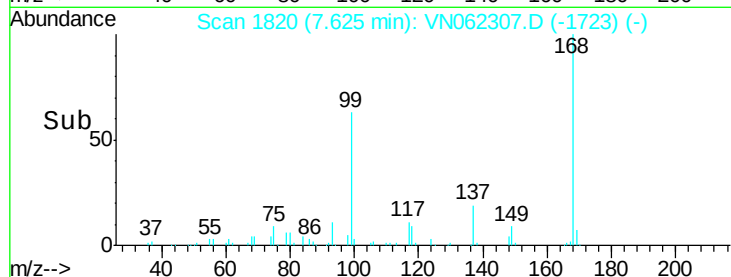
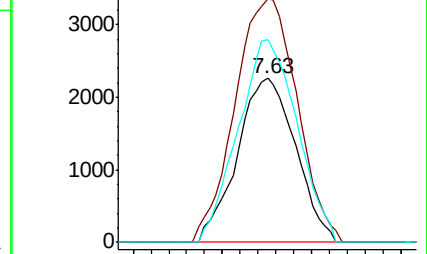
84 123.5 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062307.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062307.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062307.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.681 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062307.D

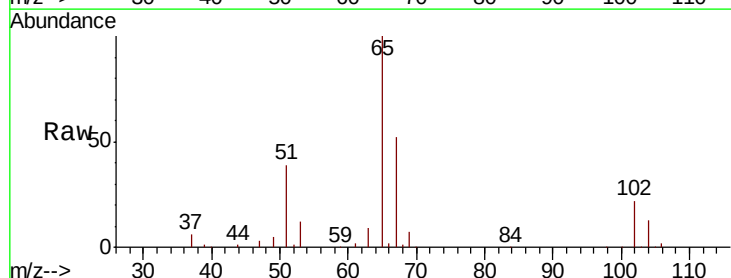
Acq: 1 Jul 2020 21:20

Tgt Ion: 65 Resp: 151355

Ion Ratio Lower Upper

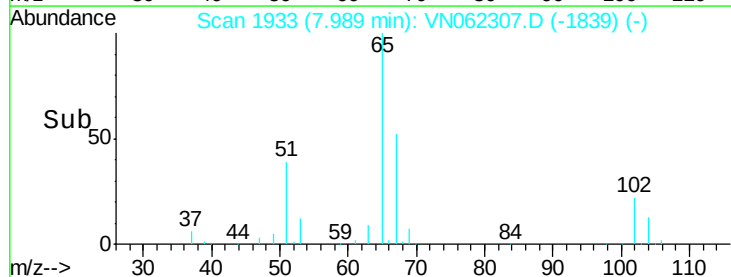
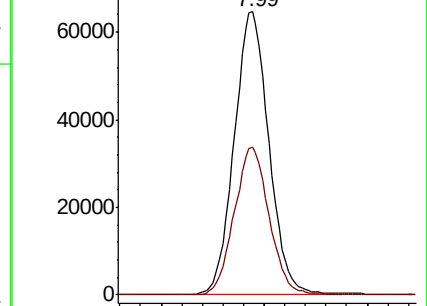
65 100

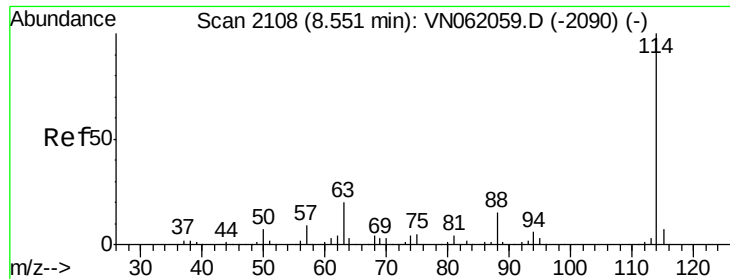
67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062307.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062307.D (-1839) (-)

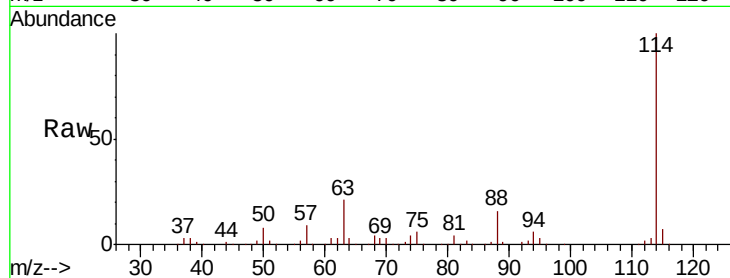




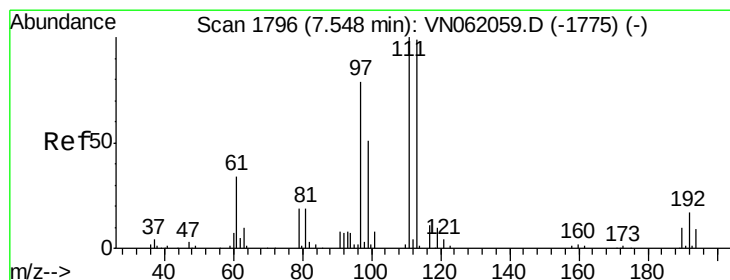
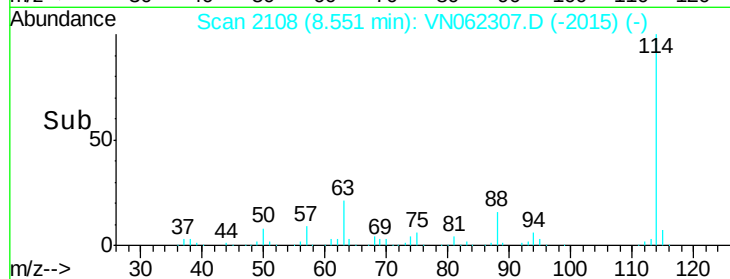
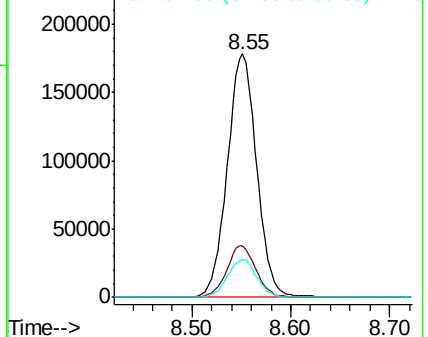
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062307.D
Acq: 1 Jul 2020 21:20

Instrument :
MSVOA_N
ClientSampleId :
EBS8-W-04

Tot Ion:114 Resp: 370385
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.2
88 15.7 0.0 30.8

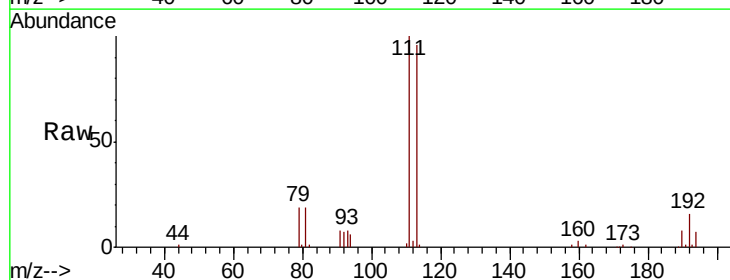


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

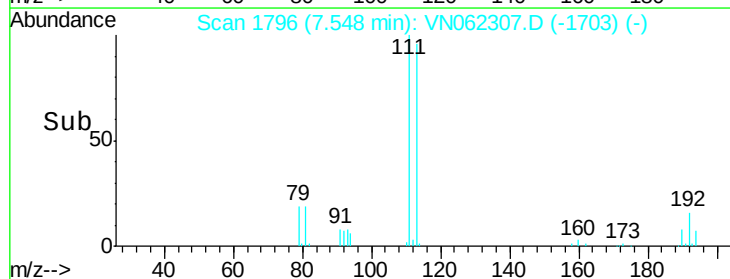
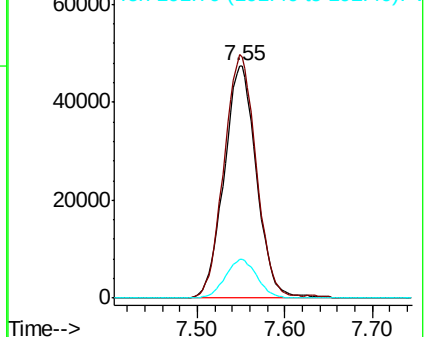


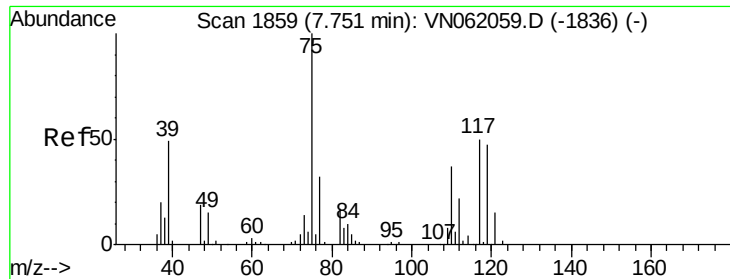
#35
Dibromofluoromethane
Concen: 51.207 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062307.D
Acq: 1 Jul 2020 21:20

Tgt Ion:113 Resp: 121679
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.4
192 16.2 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: 4.538 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

EBS8-W-04

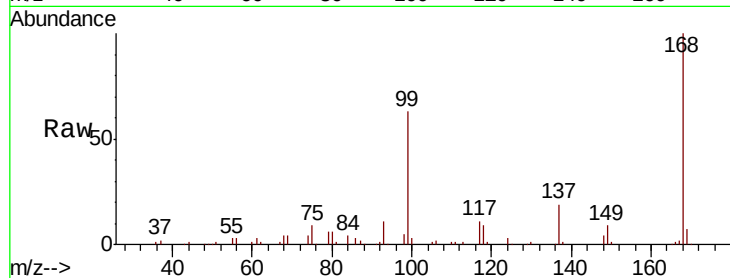
Tot Ion: 75 Resp: 16894

Ion Ratio Lower Upper

75 100

110 7.6 17.9 53.8#

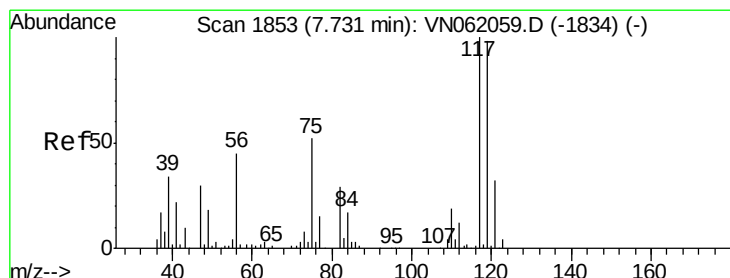
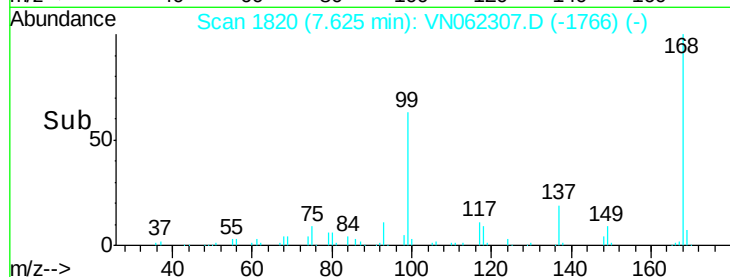
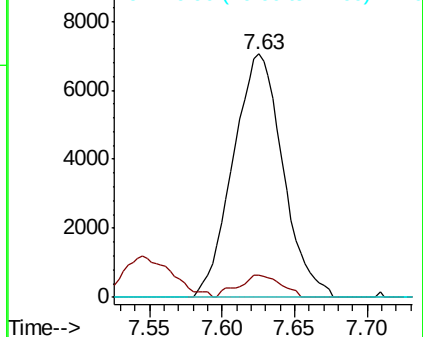
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062307.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062307.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062307.D (-1766) (-)



#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

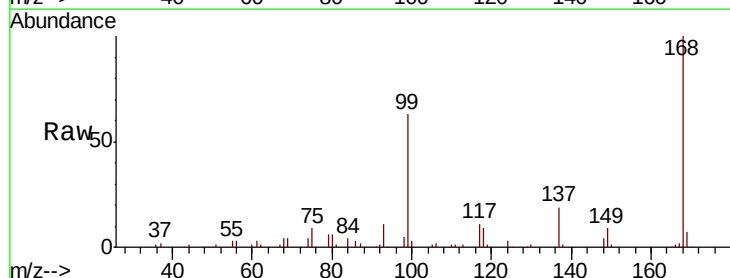
Tgt Ion: 117 Resp: 19548

Ion Ratio Lower Upper

117 100

119 4.9 78.2 117.2#

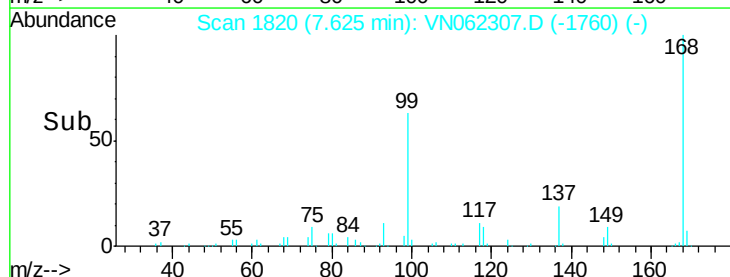
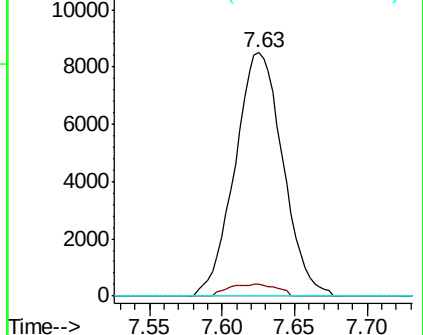
121 0.0 25.8 38.6#

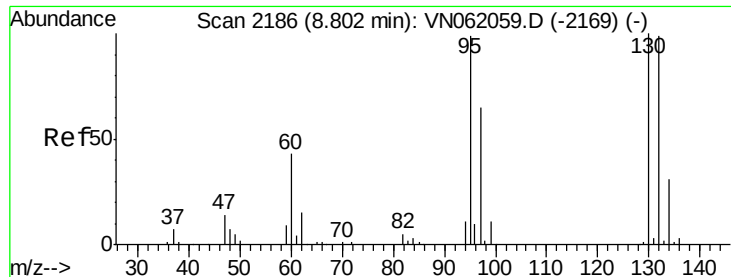


Abundance Ion 116.80 (116.50 to 117.50): VN062307.D (-1760) (-)

Ion 118.80 (118.50 to 119.50): VN062307.D (-1760) (-)

Ion 120.80 (120.50 to 121.50): VN062307.D (-1760) (-)





#44

Trichloroethene

Concen: 0.861 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

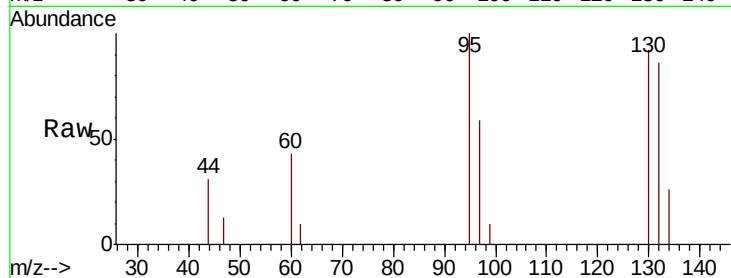
EBS8-W-04

Tot Ion:130 Resp: 2464

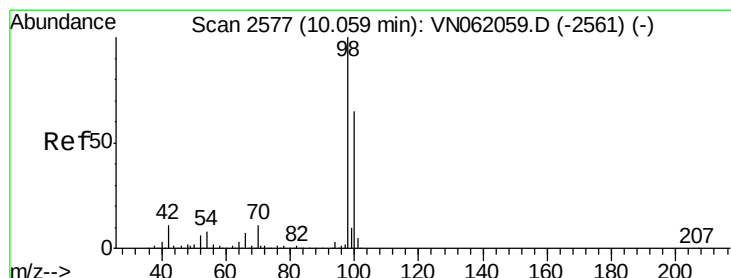
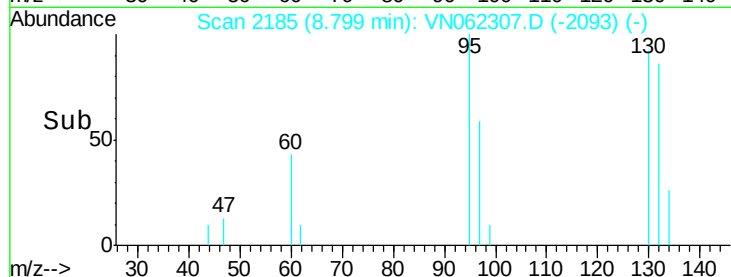
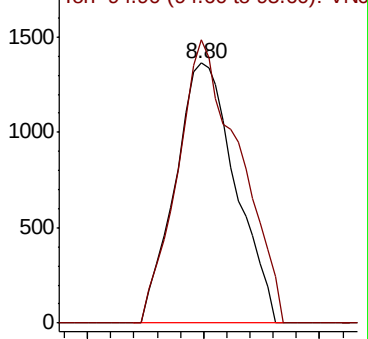
Ion Ratio Lower Upper

130 100

95 108.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062307.D (-2093) (-)



#50

Toluene-d8

Concen: 50.632 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062307.D

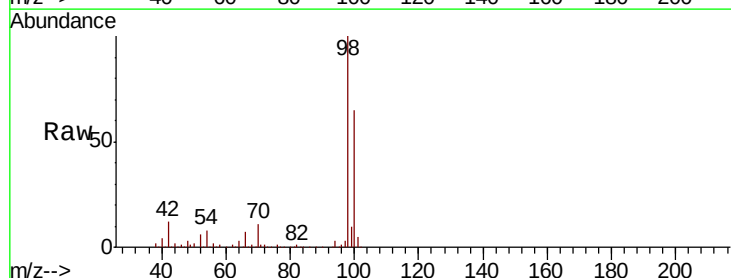
Acq: 1 Jul 2020 21:20

Tgt Ion: 98 Resp: 480926

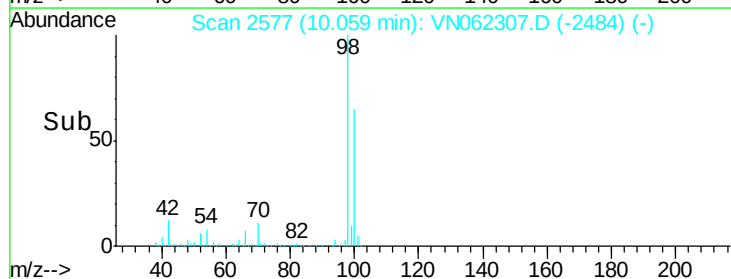
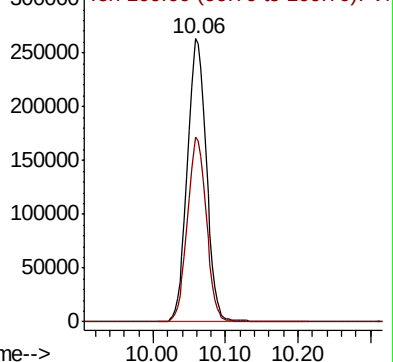
Ion Ratio Lower Upper

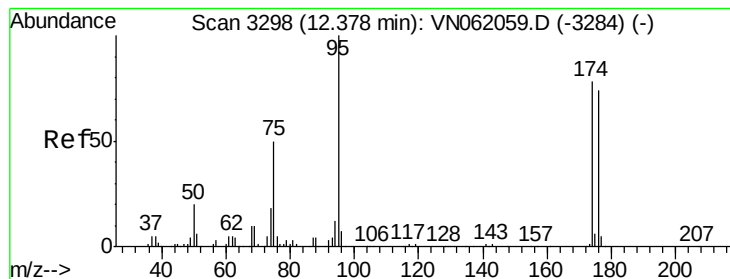
98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062307.D (-2484) (-)





#62

4-Bromofluorobenzene

Concen: 48.200 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

EBS8-W-04

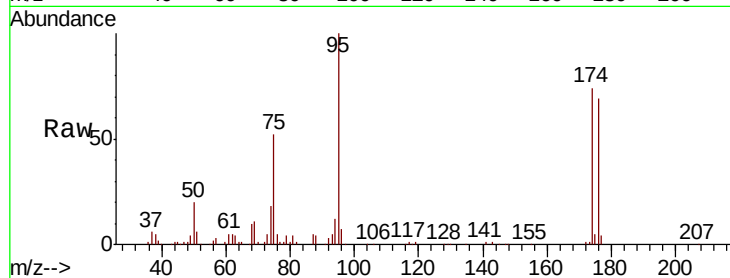
Tot Ion: 95 Resp: 154681

Ion Ratio Lower Upper

95 100

174 73.1 0.0 154.8

176 69.4 0.0 147.4



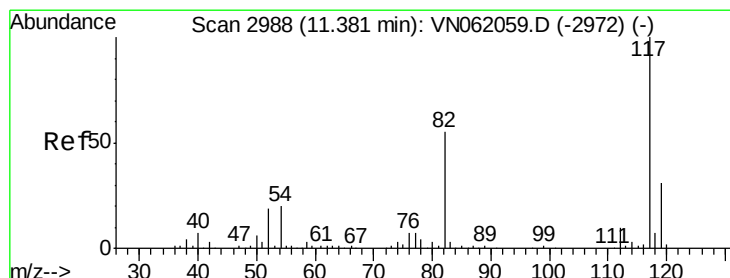
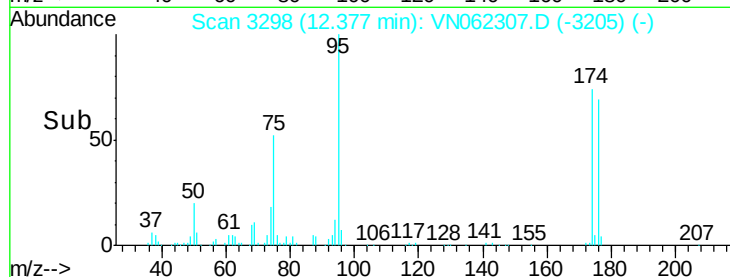
Abundance Ion 94.90 (94.60 to 95.60): VN062307.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062307.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062307.D (-3205) (-)

12.38

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

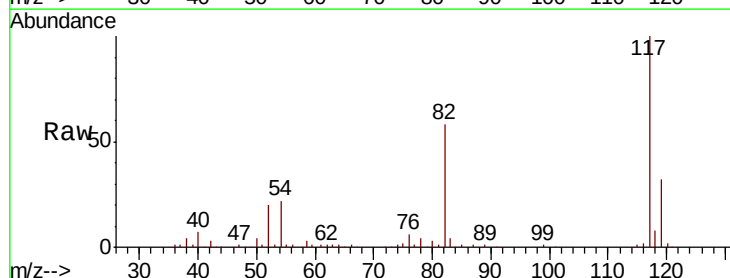
Tgt Ion: 117 Resp: 362320

Ion Ratio Lower Upper

117 100

82 58.5 43.8 65.8

119 32.5 25.2 37.8



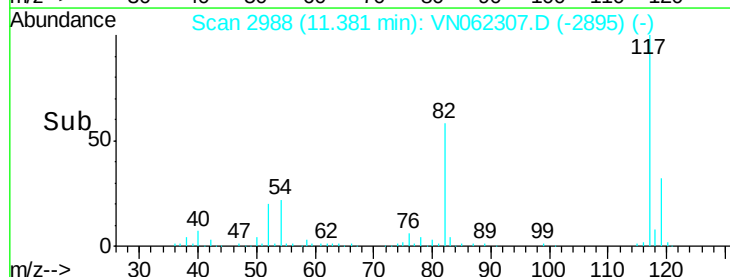
Abundance Ion 116.90 (116.60 to 117.60): VN062307.D (-2895) (-)

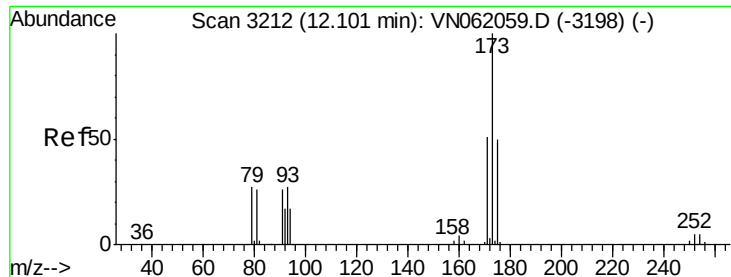
Ion 82.00 (81.70 to 82.70): VN062307.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062307.D (-2895) (-)

11.38

Time-->





#71

Bromoform

Concen: 0.749 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampled :

EBS8-W-04

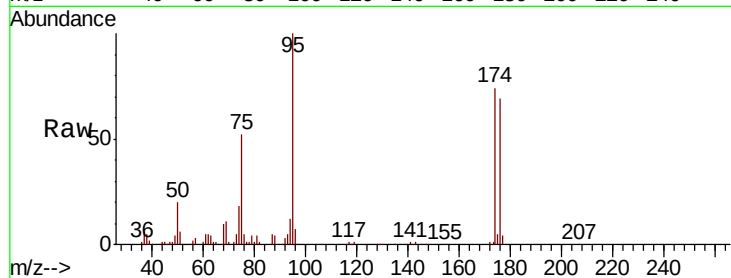
Tot Ion:173 Resp: 1465

Ion Ratio Lower Upper

173 100

175 472.0 24.7 74.1#

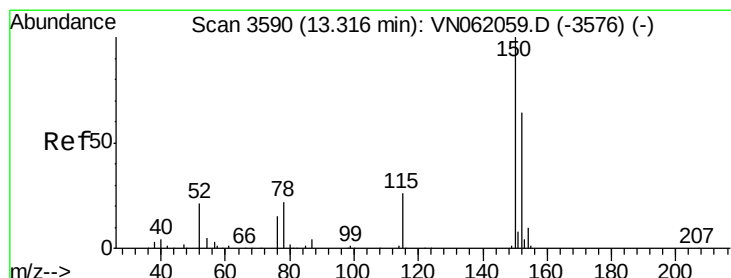
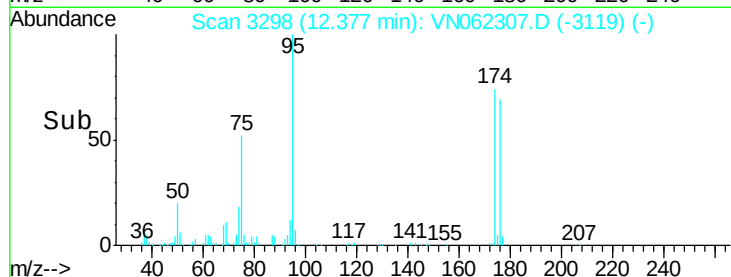
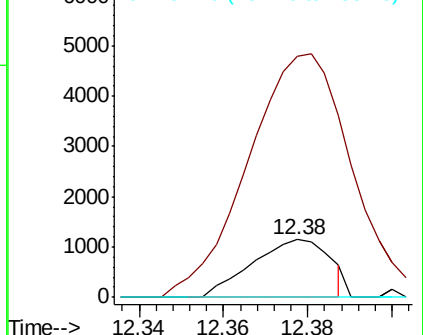
254 0.0 0.0 0.0



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: VN062307.D

Acq: 1 Jul 2020 21:20

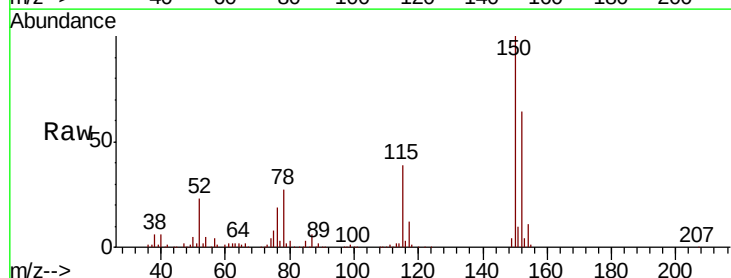
Tgt Ion:152 Resp: 132473

Ion Ratio Lower Upper

152 100

115 59.6 29.5 88.5

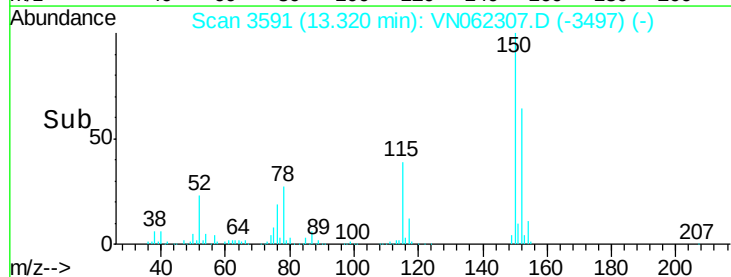
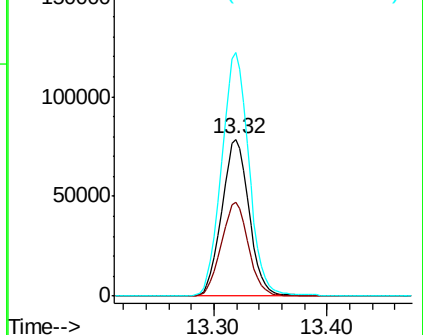
150 155.8 0.0 351.4

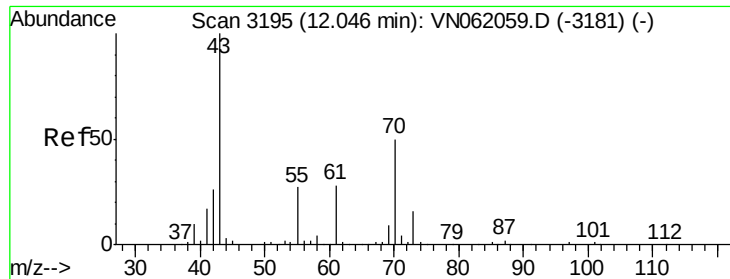


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 3.351 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampled :

EBS8-W-04

Tot Ion: 43 Resp: 31

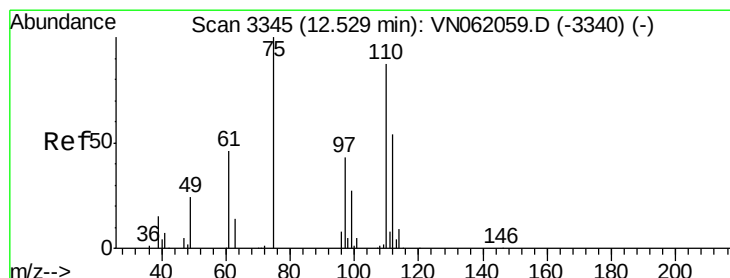
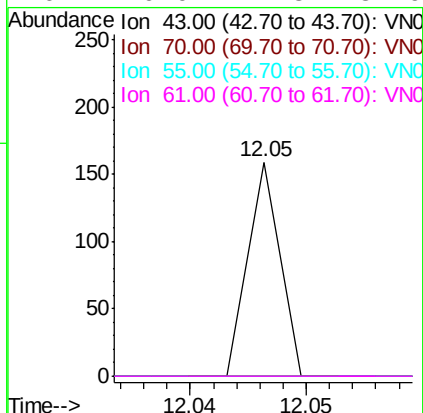
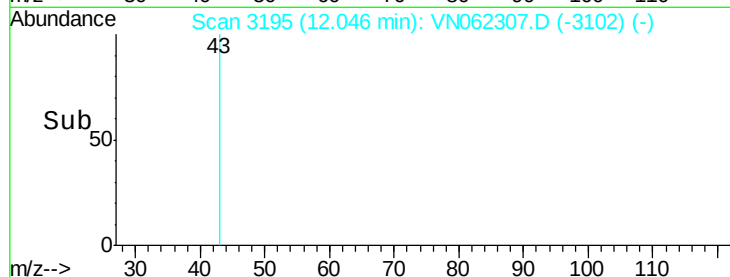
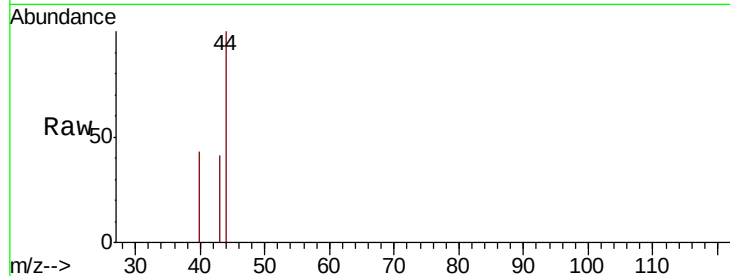
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#



#76

1,2,3-Trichloropropane

Concen: 25.810 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062307.D

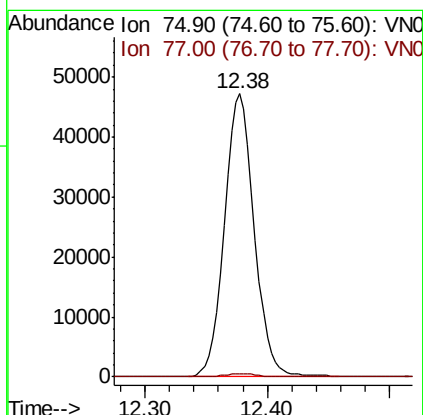
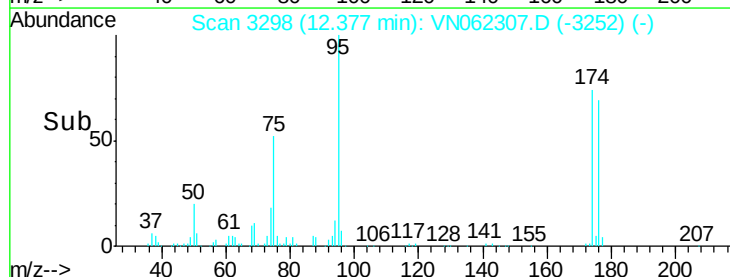
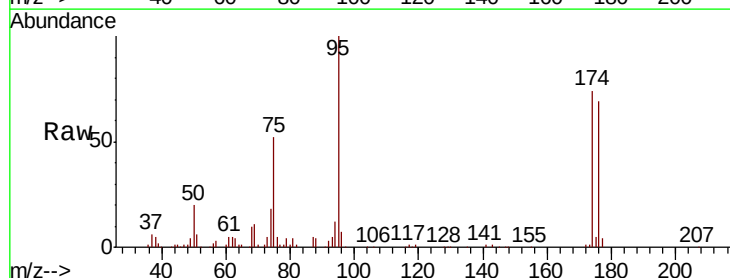
Acq: 1 Jul 2020 21:20

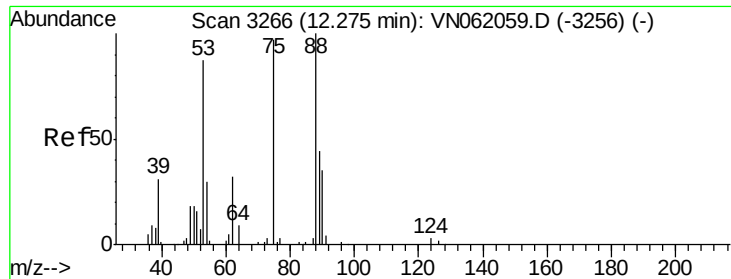
Tgt Ion: 75 Resp: 80489

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 75.375 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062307.D

Acq: 1 Jul 2020 21:20

Instrument :

MSVOA_N

ClientSampleId :

EBS8-W-04

Tot Ion: 75 Resp: 80489

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#

