

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061974.D
 Acq On : 20 Jun 2020 4:03
 Operator : JC/MD
 Sample : L3043-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200616

Quant Time: Jun 22 00:41:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	257041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92162	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	99933	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	7.55	113	86474	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	10.06	98	338110	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	108004	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

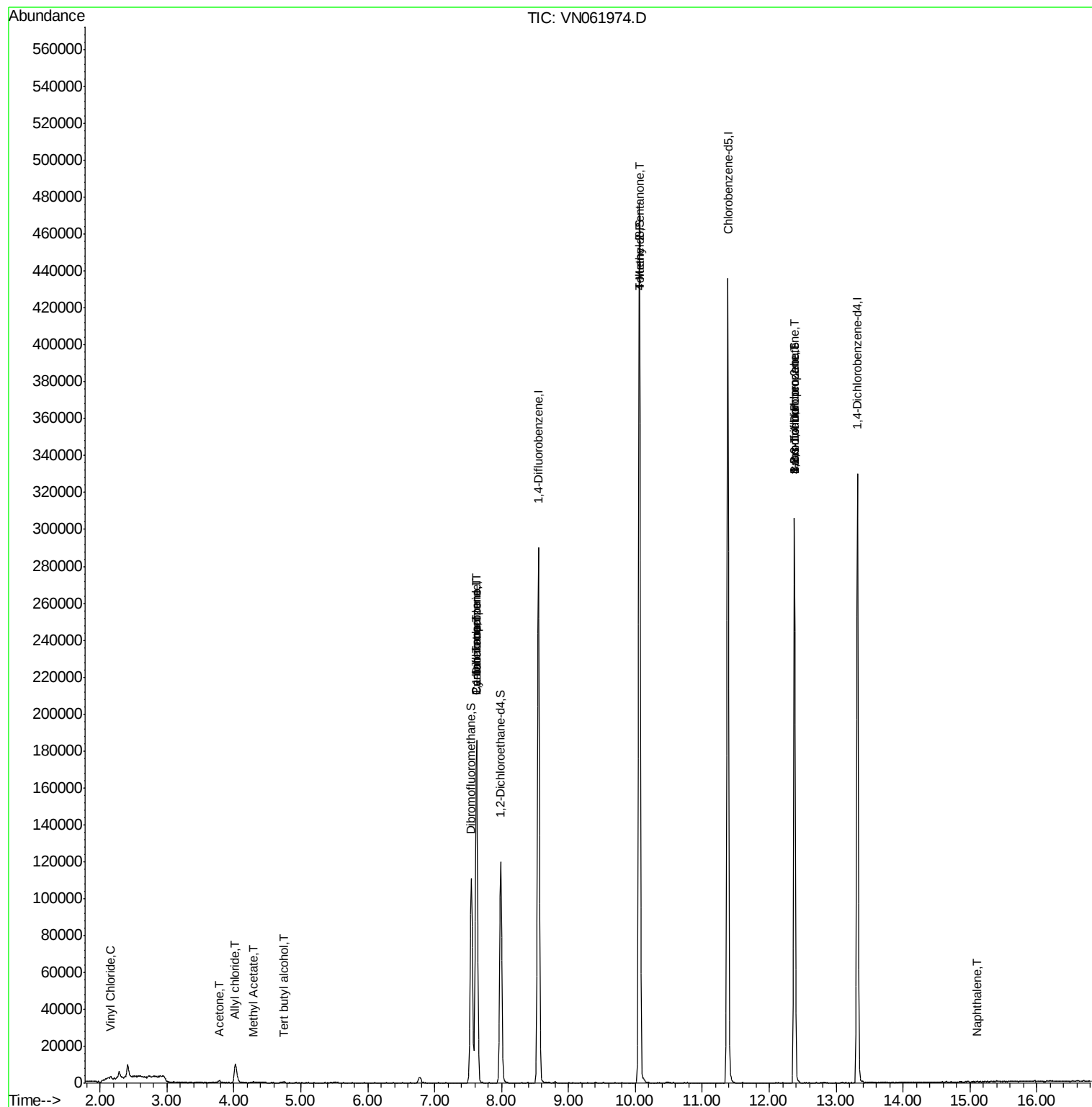
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	1297	0.528	ug/l	92
11) Tert butyl alcohol	4.74	59	968	3.512	ug/l #	74
14) Allyl chloride	4.02	41	1798	0.898	ug/l #	70
16) Acetone	3.78	43	1604	2.726	ug/l #	85
18) Methyl Acetate	4.29	43	766	0.452	ug/l #	46
31) Cyclohexane	7.62	56	3293	1.254	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	12139	4.894	ug/l #	47
38) Carbon Tetrachloride	7.63	117	14671	5.973	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1321	0.685	ug/l #	1
71) Bromoform	12.38	173	840	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53273	29.443	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53273	80.303	ug/l #	14
95) Naphthalene	15.11	128	469	3.578	ug/l #	69

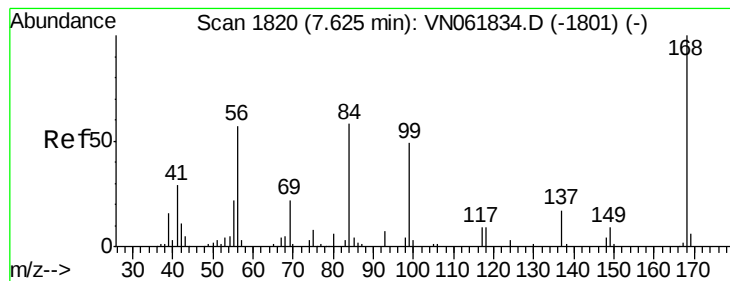
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
Data File : VN061974.D
Acq On : 20 Jun 2020 4:03
Operator : JC/MD
Sample : L3043-21
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleID :
EB-20200616

Quant Time: Jun 22 00:41:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 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: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

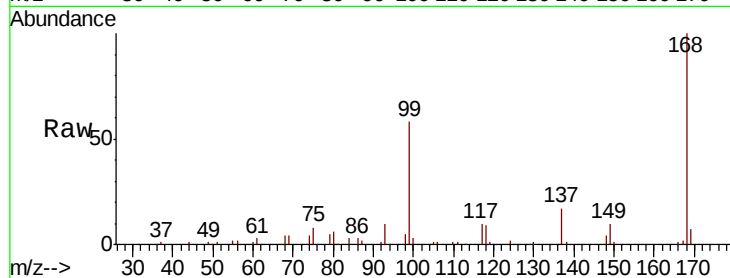
EB-20200616

Tot Ion:168 Resp: 148527

Ion Ratio Lower Upper

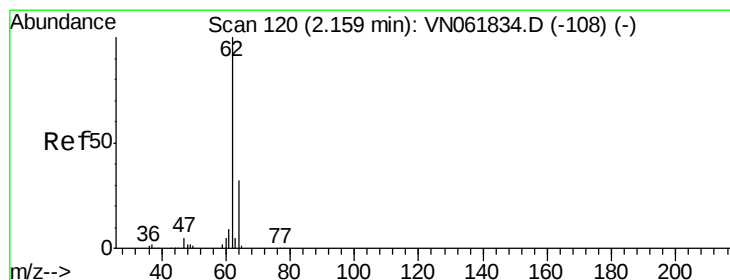
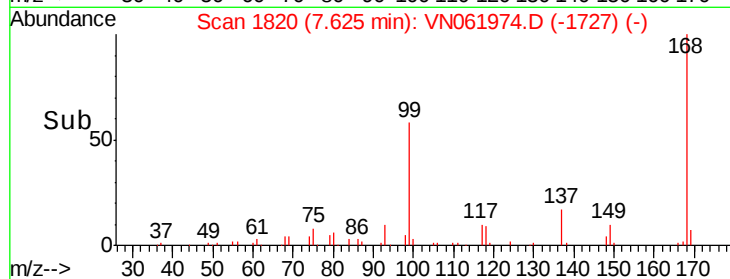
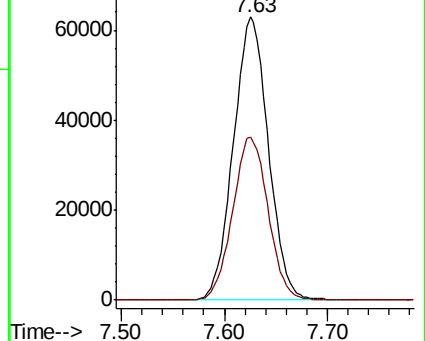
168 100

99 57.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 0.528 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN061974.D

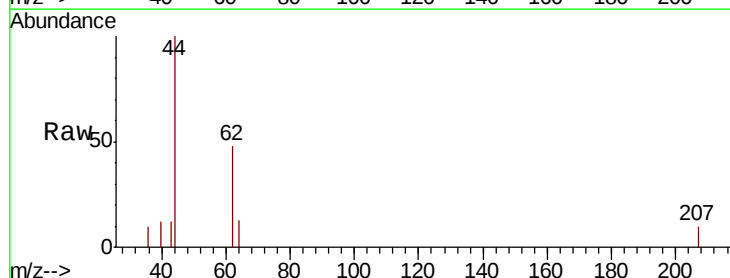
Acq: 20 Jun 2020 4:03

Tgt Ion: 62 Resp: 1297

Ion Ratio Lower Upper

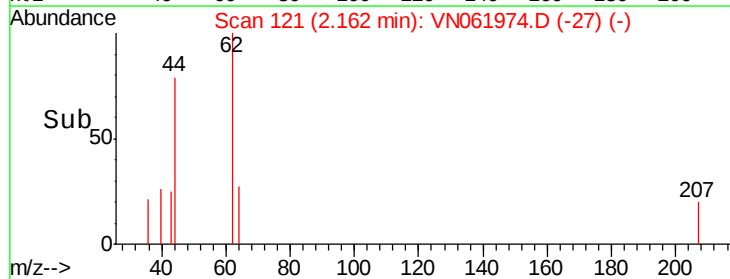
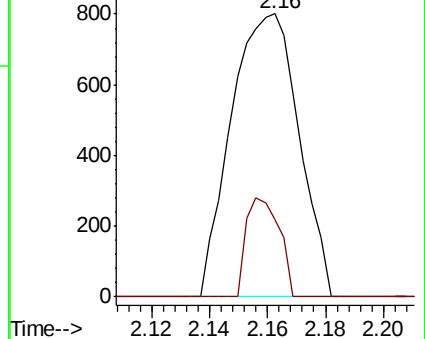
62 100

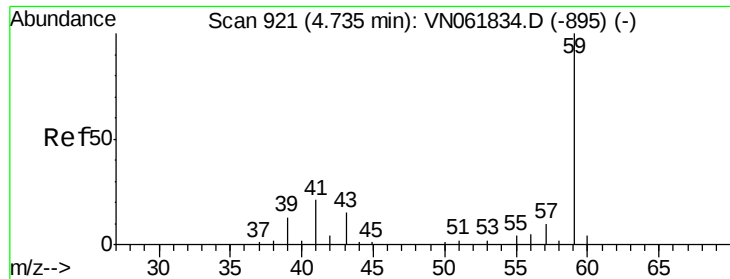
64 27.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

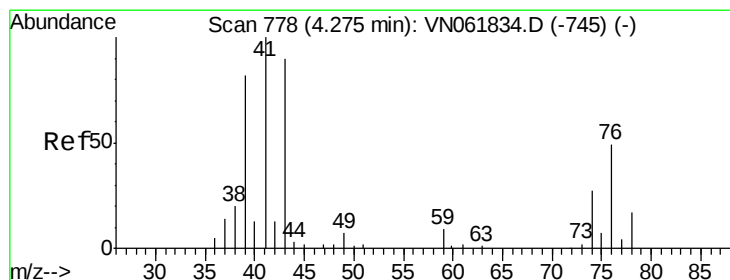
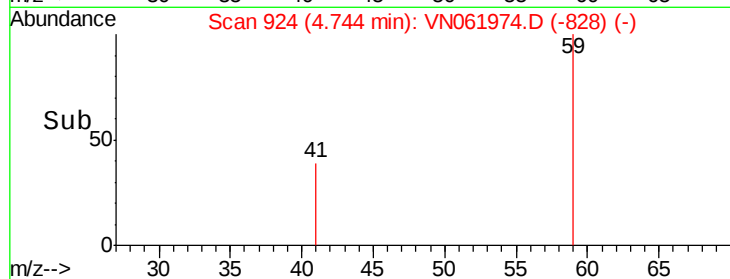
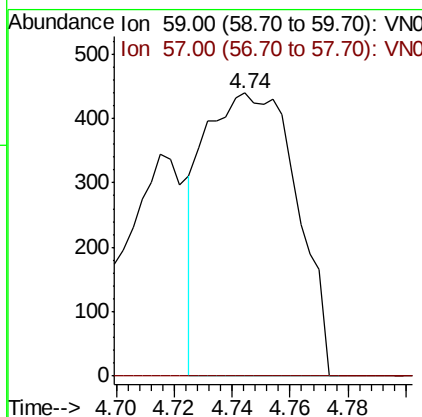
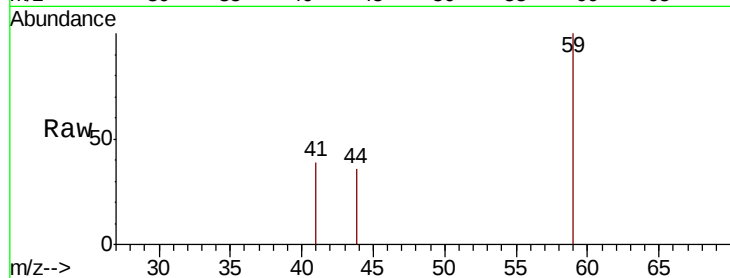




#11
Tert butyl alcohol
Concen: 3.512 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN061974.D
Acq: 20 Jun 2020 4:03

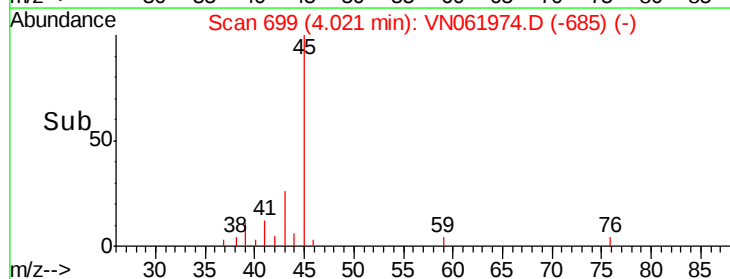
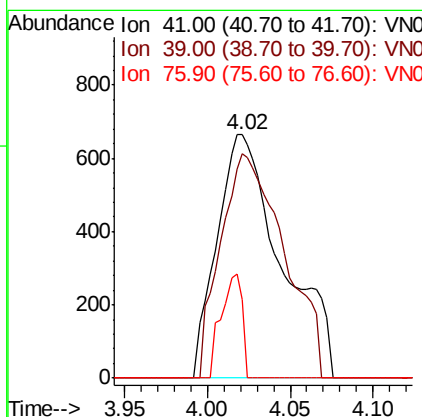
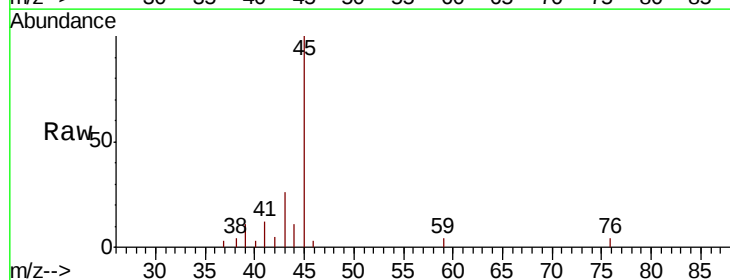
Instrument :
MSVOA_N
ClientSampled :
EB-20200616

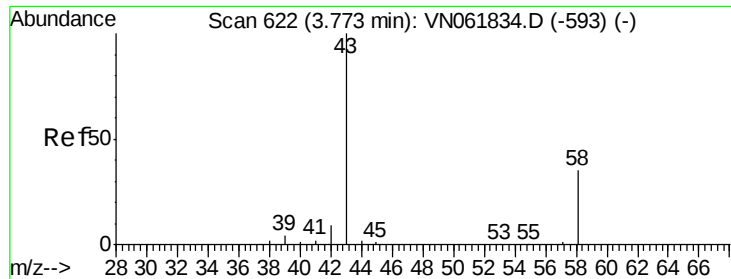
Tot Ion: 59 Resp: 968
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#14
Allyl chloride
Concen: 0.898 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.25 min
Lab File: VN061974.D
Acq: 20 Jun 2020 4:03

Tgt Ion: 41 Resp: 1798
Ion Ratio Lower Upper
41 100
39 90.9 60.2 90.2#
76 13.8 36.3 54.5#





#16

Acetone

Concen: 2.726 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

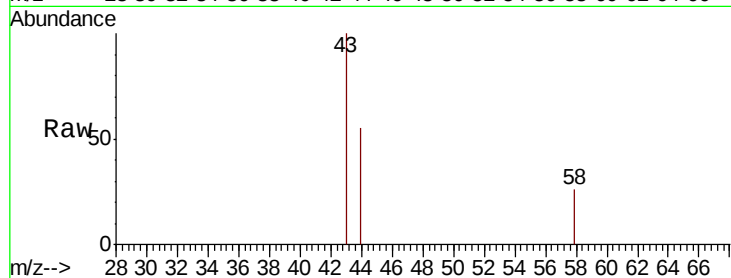
EB-20200616

Tot Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

58 26.1 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

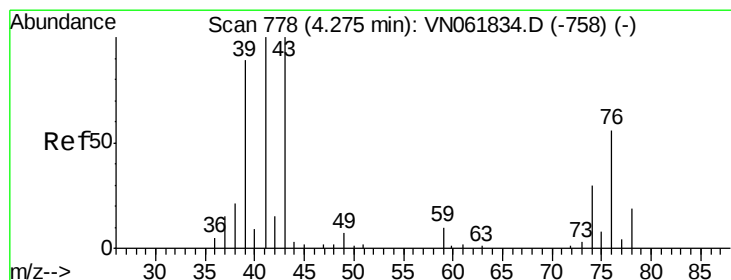
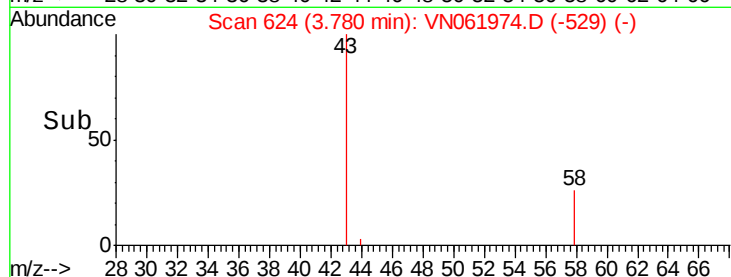
600

400

200

0

Time--> 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 0.452 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.02 min

Lab File: VN061974.D

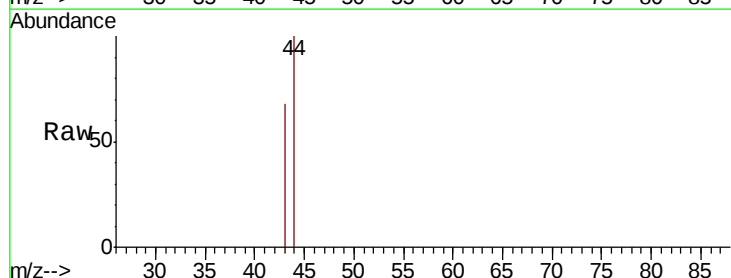
Acq: 20 Jun 2020 4:03

Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061834.D (-758) (-)

4.29

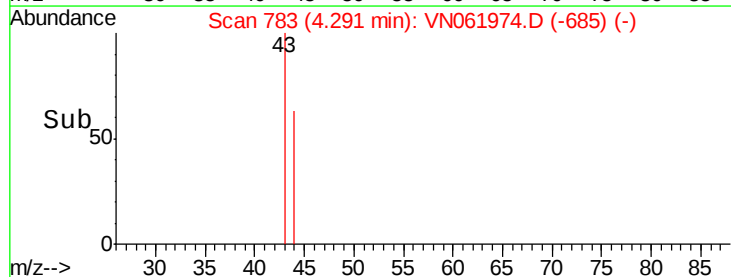
300

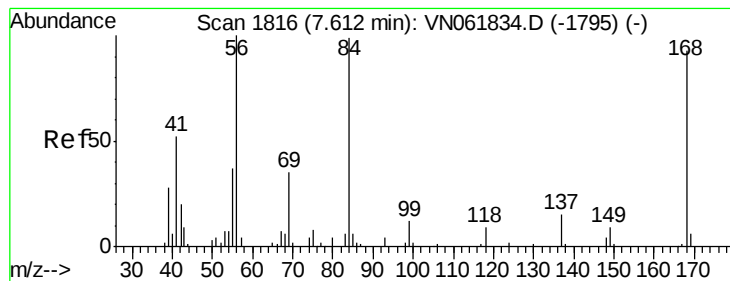
200

100

0

Time--> 4.25 4.30 4.35





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

EB-20200616

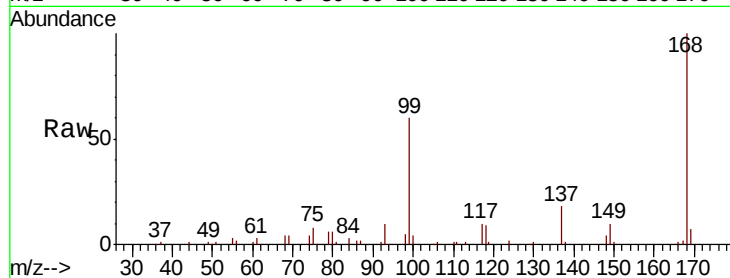
Tot Ion: 56 Resp: 3293

Ion Ratio Lower Upper

56 100

69 168.6 27.7 41.5#

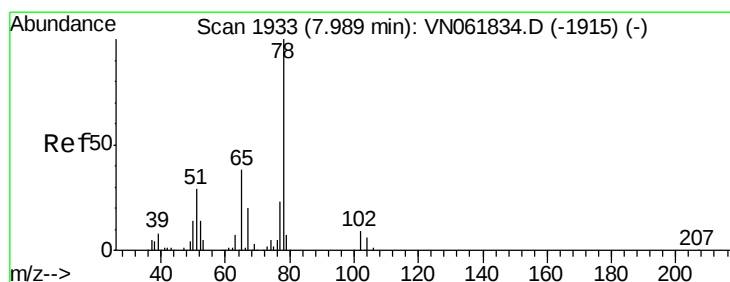
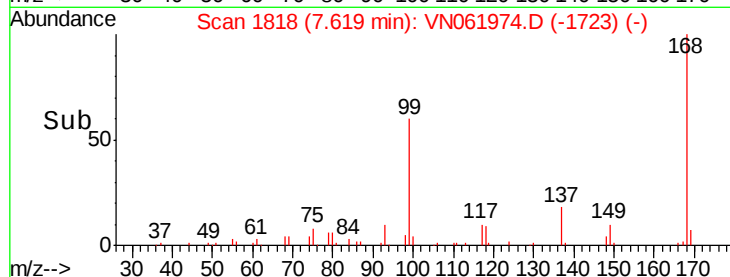
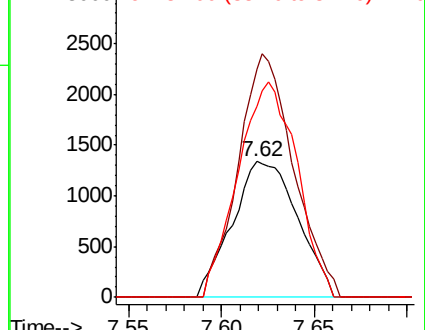
84 140.5 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.168 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061974.D

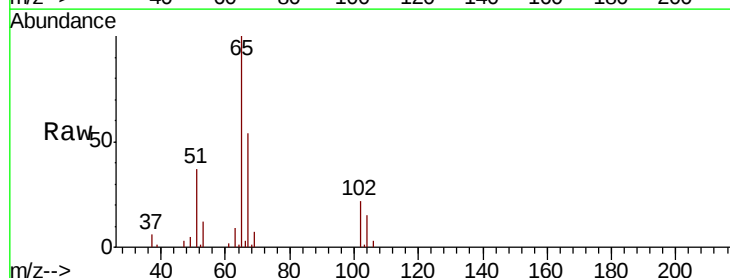
Acq: 20 Jun 2020 4:03

Tgt Ion: 65 Resp: 99933

Ion Ratio Lower Upper

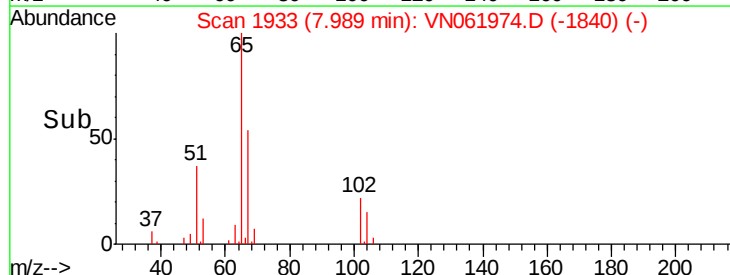
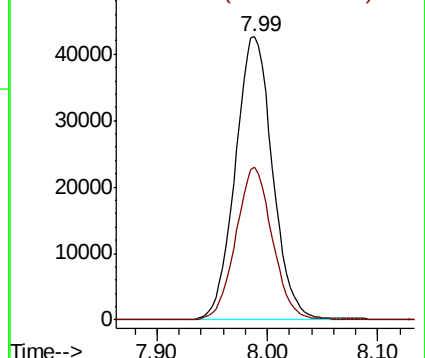
65 100

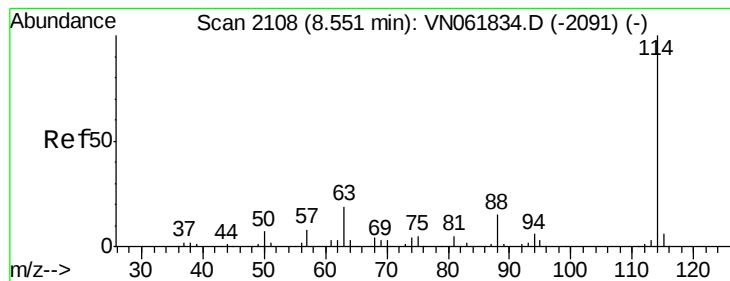
67 52.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

EB-20200616

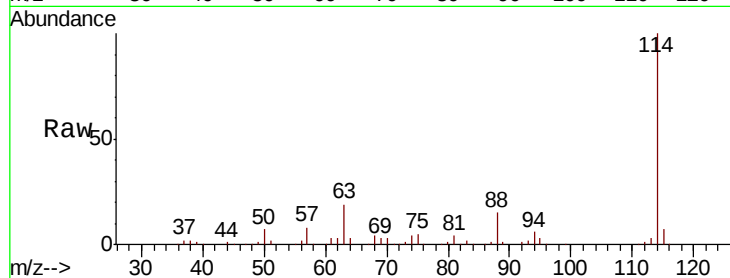
Tot Ion:114 Resp: 271950

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.6

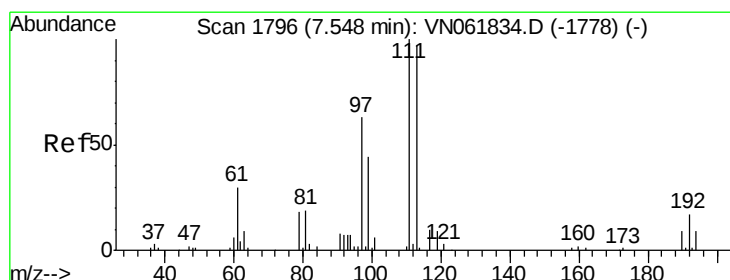
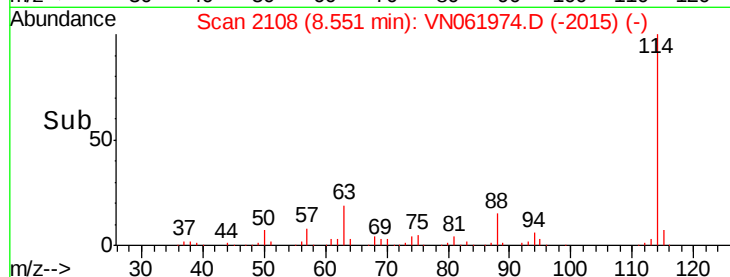
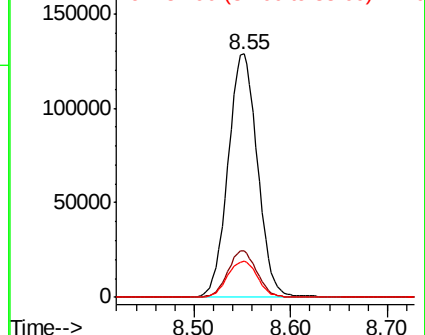
88 15.0 0.0 31.0



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: 49.704 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

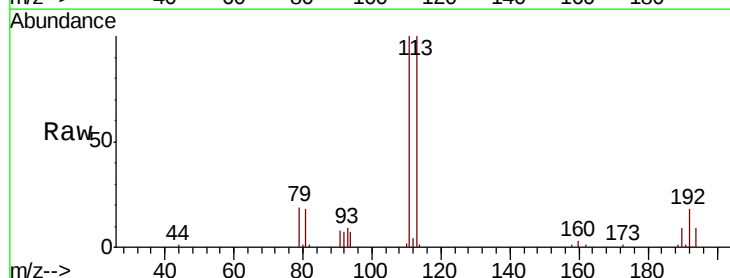
Tgt Ion:113 Resp: 86474

Ion Ratio Lower Upper

113 100

111 101.4 83.7 125.5

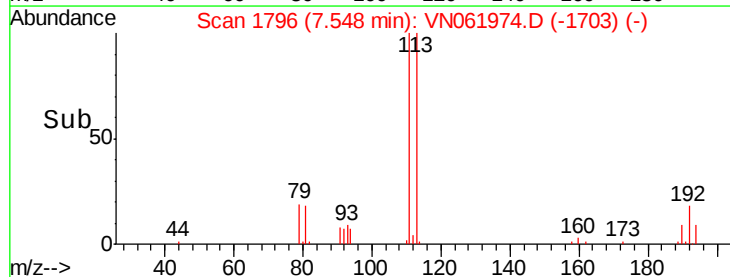
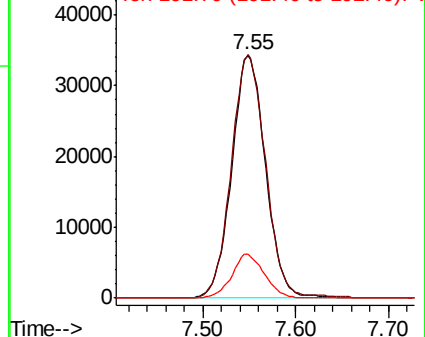
192 17.3 13.9 20.9

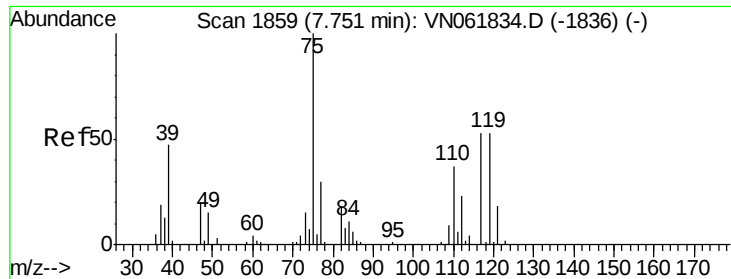


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

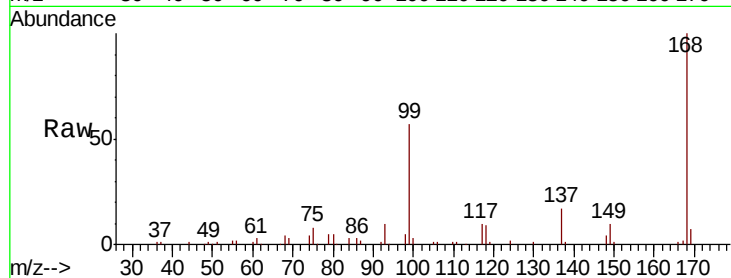




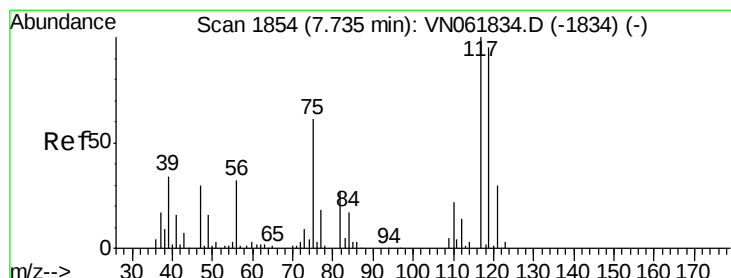
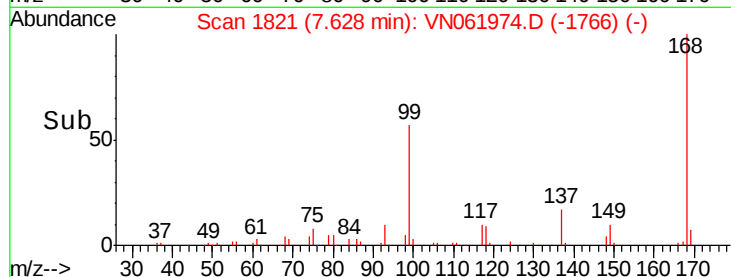
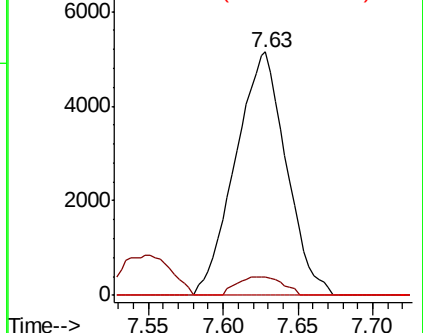
#36
 1,1-Dichloropropene
 Concen: 4.894 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN061974.D
 Acq: 20 Jun 2020 4:03

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-20200616

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.9	18.2	54.6#
77	0.0	24.2	36.4#

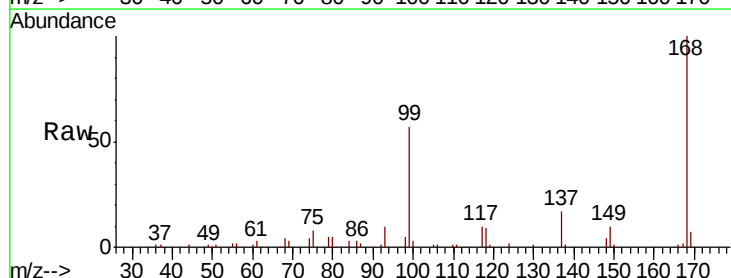


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

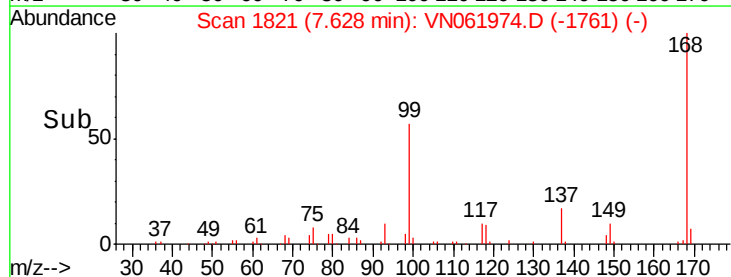
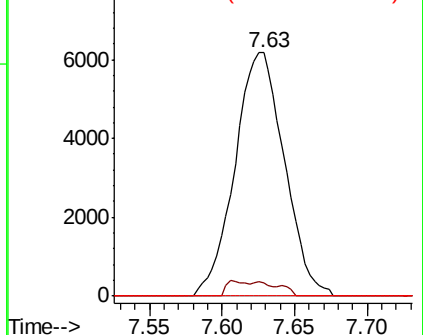


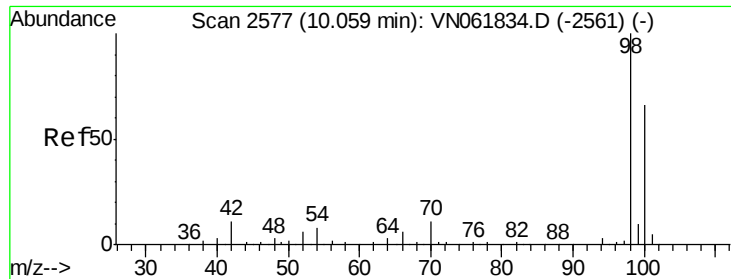
#38
 Carbon Tetrachloride
 Concen: 5.973 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061974.D
 Acq: 20 Jun 2020 4:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

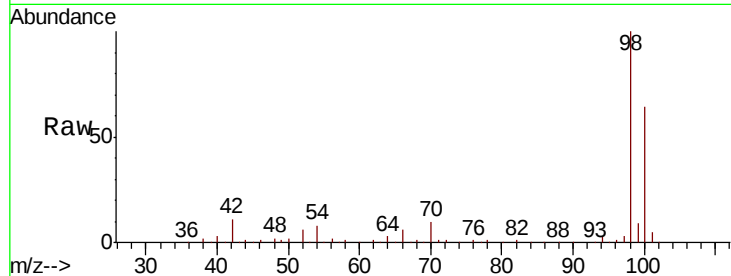
EB-20200616

Tot Ion: 98 Resp: 338110

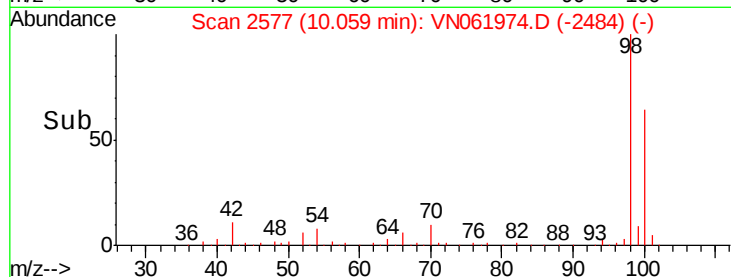
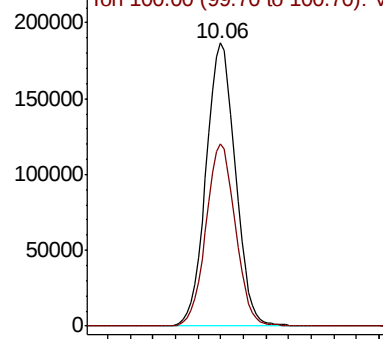
Ion Ratio Lower Upper

98 100

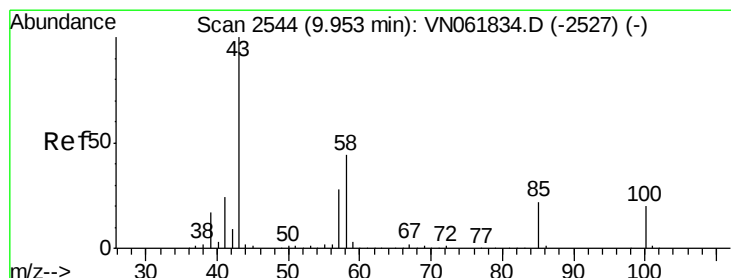
100 64.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.685 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN061974.D

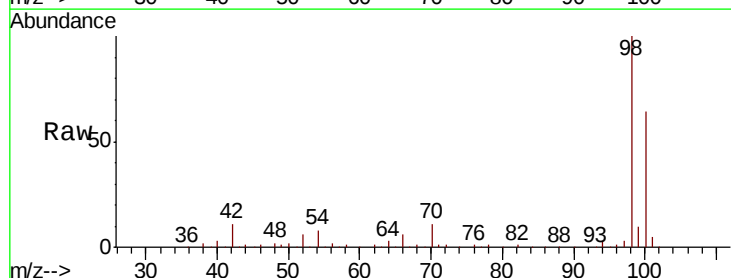
Acq: 20 Jun 2020 4:03

Tgt Ion: 43 Resp: 1321

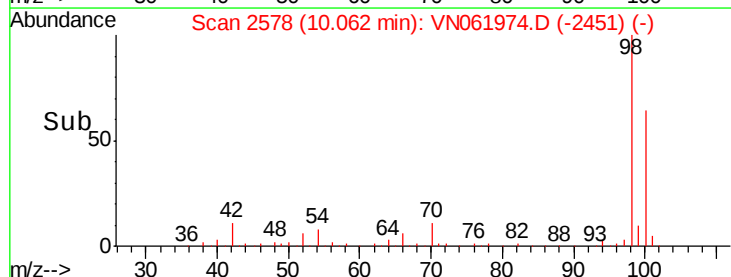
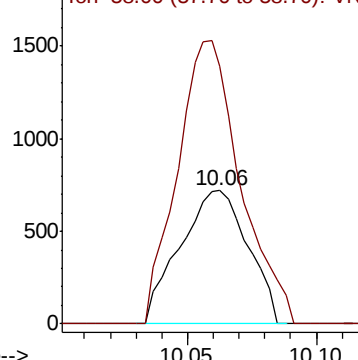
Ion Ratio Lower Upper

43 100

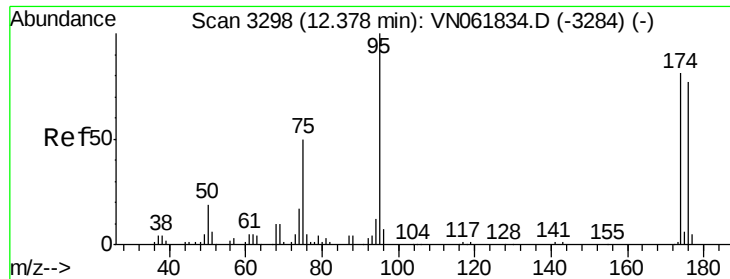
58 196.4 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 46.034 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

EB-20200616

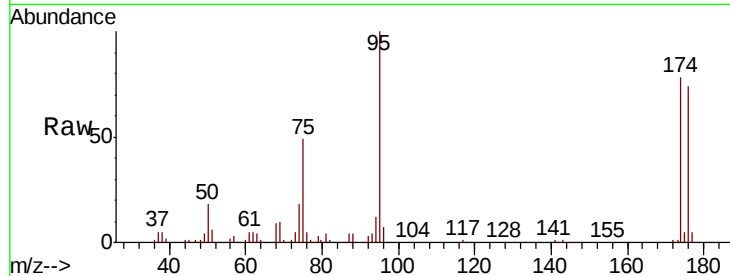
Tot Ion: 95 Resp: 108004

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.6

176 74.2 0.0 152.0

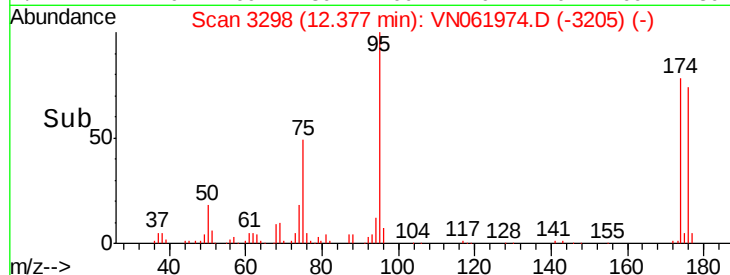


Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

Time-->

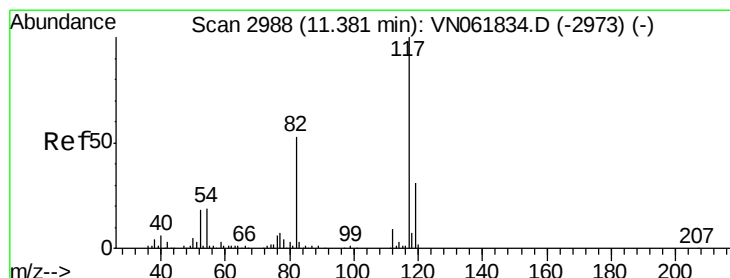


Abundance Ion 94.90 (94.60 to 95.60): VN061974.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061974.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061974.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

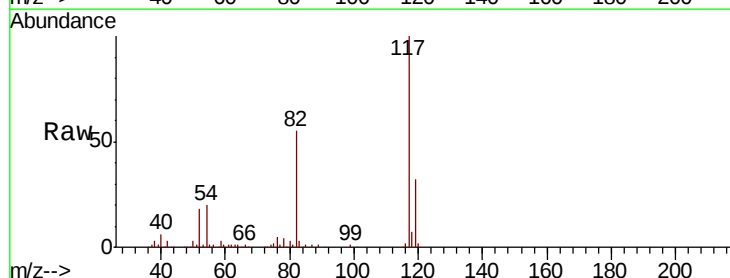
Tgt Ion: 117 Resp: 257041

Ion Ratio Lower Upper

117 100

82 54.9 42.6 64.0

119 31.9 24.7 37.1

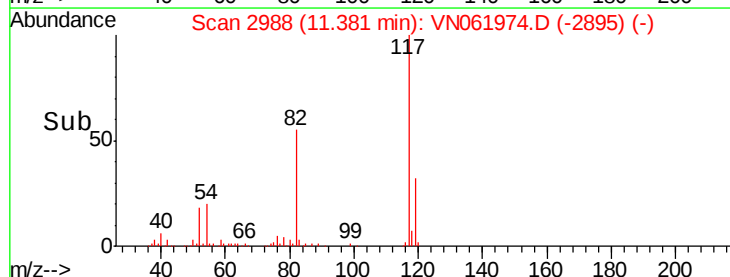


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

Time-->

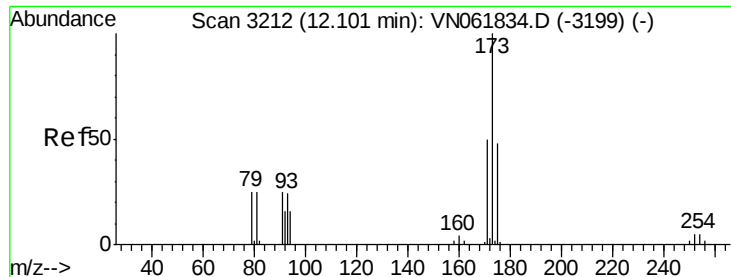


Abundance Ion 116.90 (116.60 to 117.60): VN061974.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061974.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061974.D (-2895) (-)

Time-->



#71

Bromoform

Concen: 0.609 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

EB-20200616

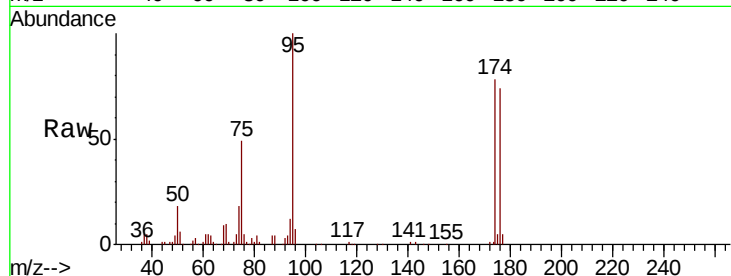
Tot Ion:173 Resp: 840

Ion Ratio Lower Upper

173 100

175 614.8 23.9 71.7#

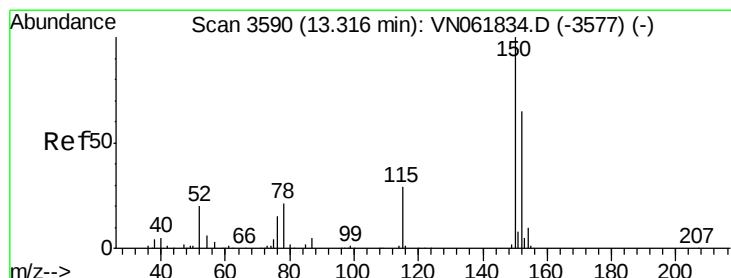
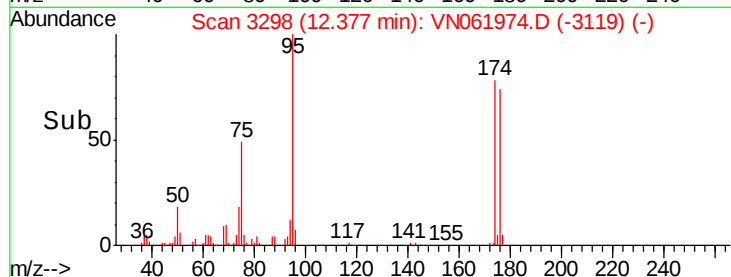
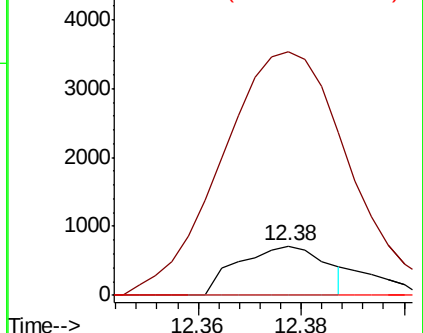
254 0.0 0.0 0.0



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: VN061974.D

Acq: 20 Jun 2020 4:03

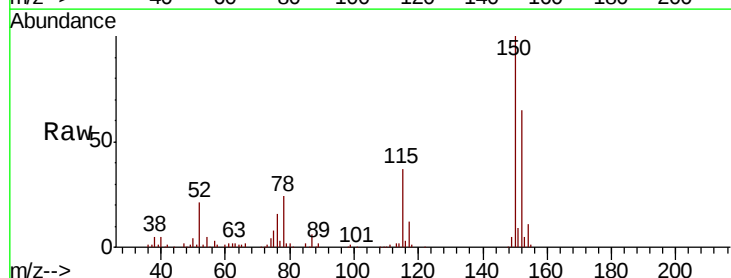
Tgt Ion:152 Resp: 92162

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

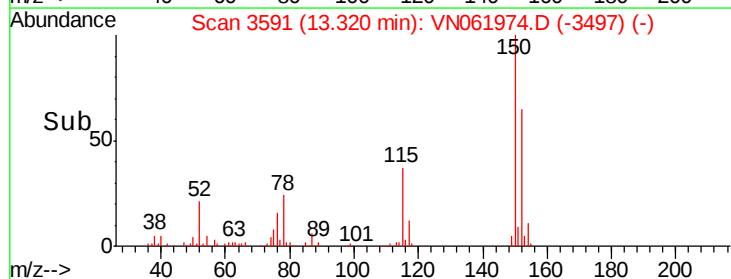
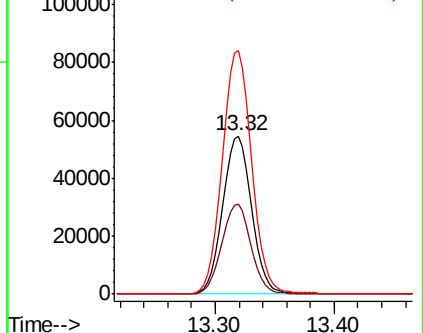
150 156.5 0.0 347.6

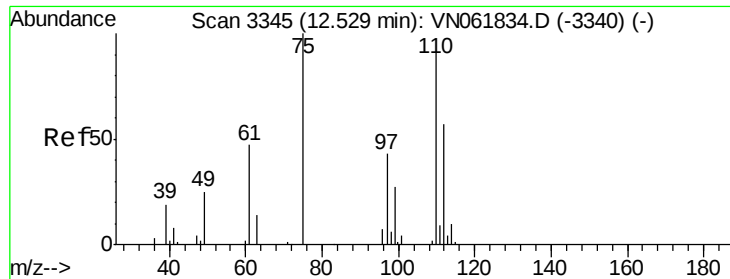


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.443 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

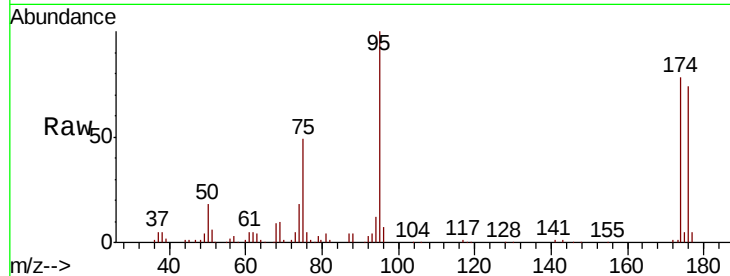
EB-20200616

Tot Ion: 75 Resp: 53273

Ion Ratio Lower Upper

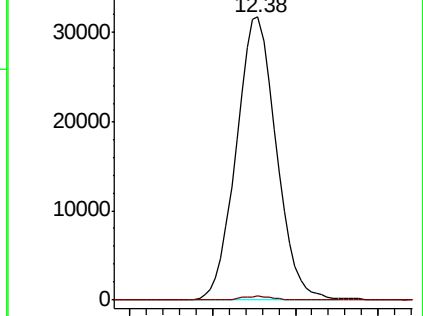
75 100

77 1.0 0.0 0.0#

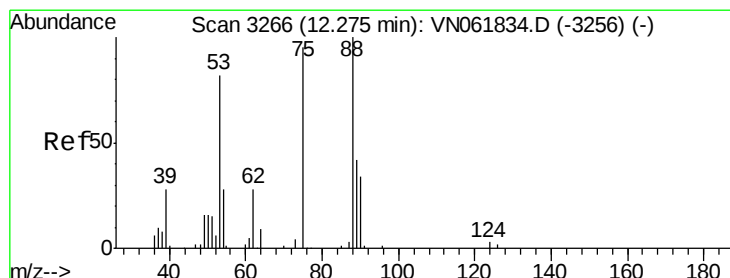
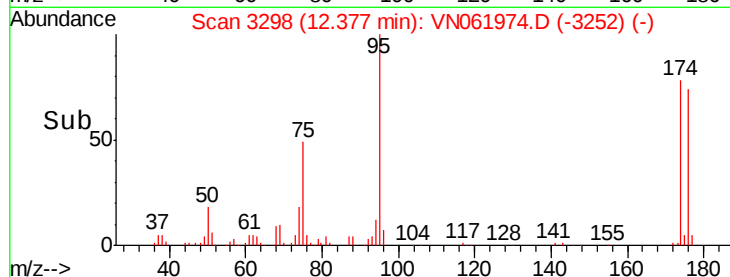


Abundance Ion 74.90 (74.60 to 75.60): VN061974.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN061974.D (-3298) (-)



Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 80.303 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061974.D

Acq: 20 Jun 2020 4:03

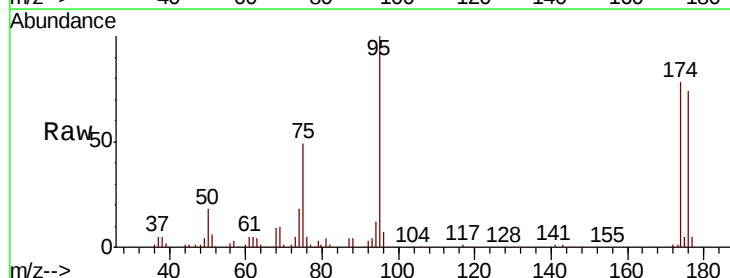
Tgt Ion: 75 Resp: 53273

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

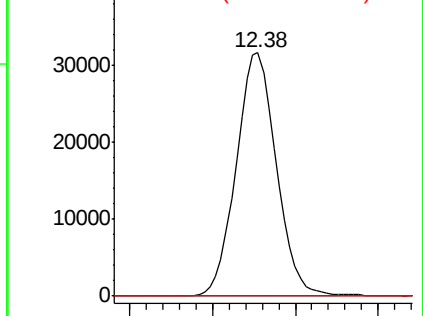
89 0.0 36.0 54.0#



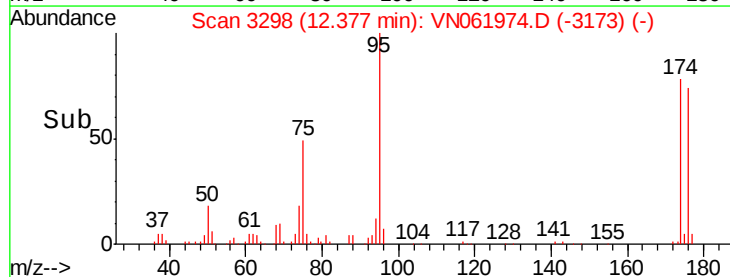
Abundance Ion 74.90 (74.60 to 75.60): VN061974.D (-3298) (-)

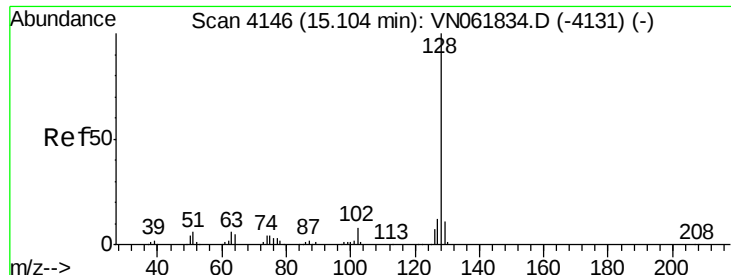
Ion 53.00 (52.70 to 53.70): VN061974.D (-3298) (-)

Ion 88.90 (88.60 to 89.60): VN061974.D (-3298) (-)



Time--> 12.30 12.35 12.40 12.45





#95

Naphthalene

Concen: 3.578 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061974.D

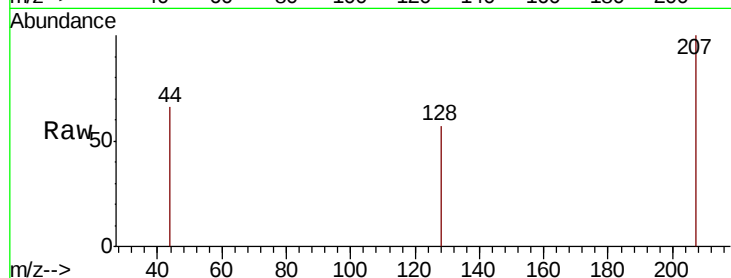
Acq: 20 Jun 2020 4:03

Instrument :

MSVOA_N

ClientSampleId :

EB-20200616



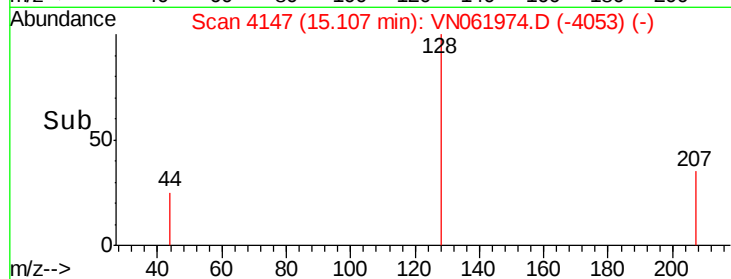
Tot Ion:128 Resp: 469

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

