

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062052.D
 Acq On : 23 Jun 2020 19:25
 Operator : JC/MD
 Sample : L3033-08DL 1000X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616DL

Quant Time: Jun 24 01:34:38 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	138844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	257687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95405	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	98478	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	7.55	113	81701	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	10.06	98	325922	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.38	95	105777	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

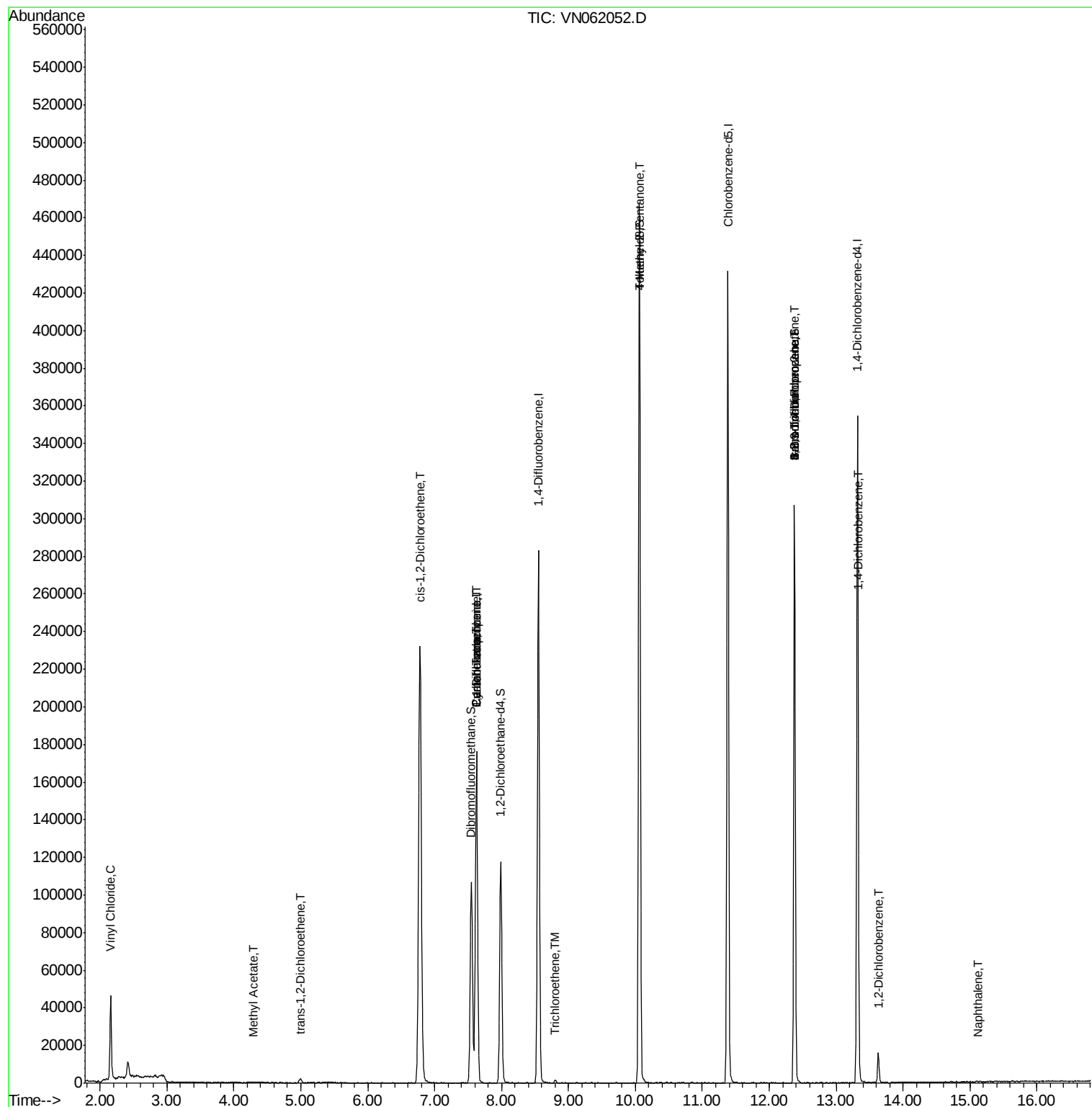
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	39352	17.128	ug/l	99
18) Methyl Acetate	4.29	43	381	0.241	ug/l #	46
21) trans-1,2-Dichloroethene	4.98	96	694	0.428	ug/l #	74
27) cis-1,2-Dichloroethene	6.78	96	160819	86.015	ug/l	93
31) Cyclohexane	7.63	56	3139	1.279	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	11498	4.892	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14296	6.142	ug/l #	17
44) Trichloroethene	8.80	130	643	0.343	ug/l	92
51) 4-Methyl-2-Pentanone	10.06	43	1161	0.635	ug/l #	1
71) Bromoform	12.38	173	1030	0.772	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53669	28.653	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53669	78.150	ug/l #	14
88) 1,4-Dichlorobenzene	13.34	146	1068	0.334	ug/l #	3
91) 1,2-Dichlorobenzene	13.63	146	7220	2.404	ug/l	98
95) Naphthalene	15.11	128	30	3.489	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

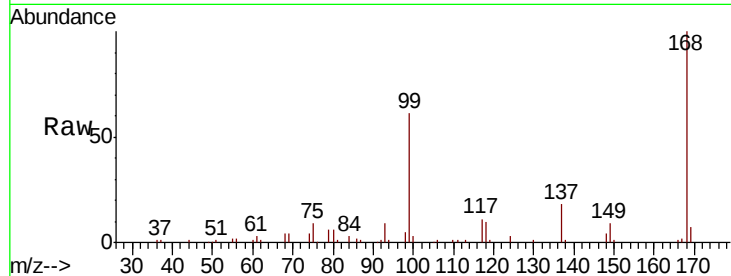
SS043MW009-200616DL

Tot Ion:168 Resp: 138844

Ion Ratio Lower Upper

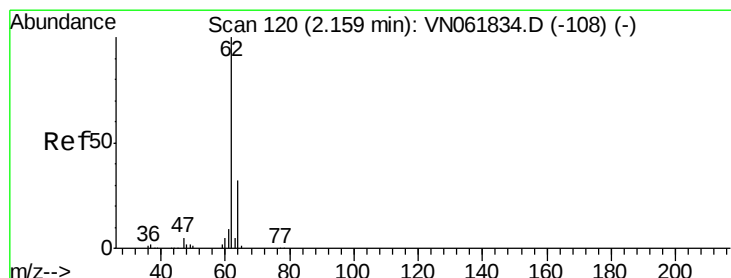
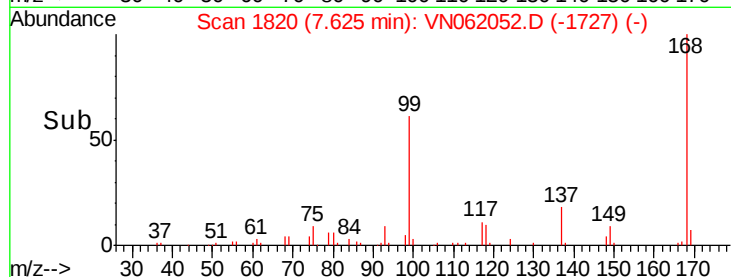
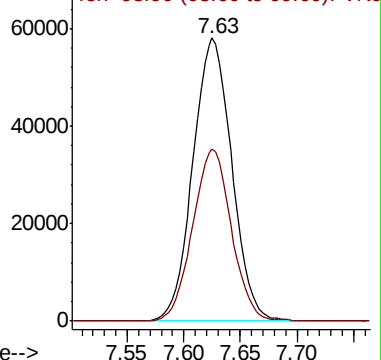
168 100

99 60.9 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: 17.128 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062052.D

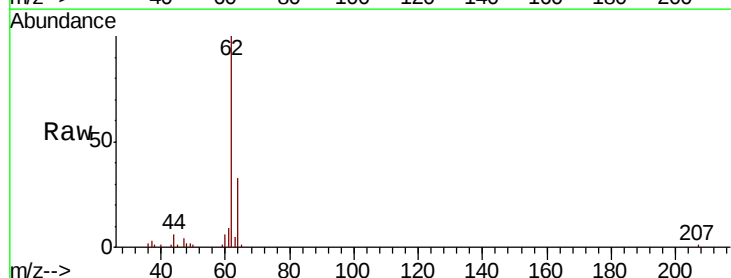
Acq: 23 Jun 2020 19:25

Tgt Ion: 62 Resp: 39352

Ion Ratio Lower Upper

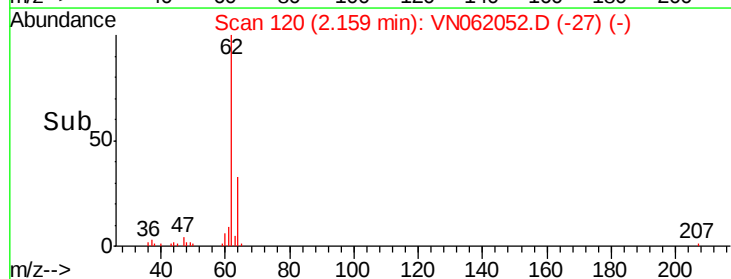
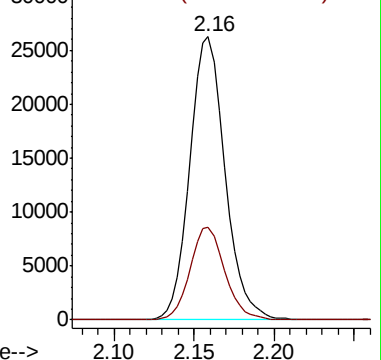
62 100

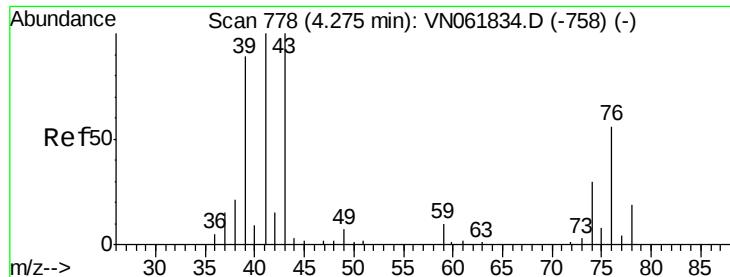
64 32.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

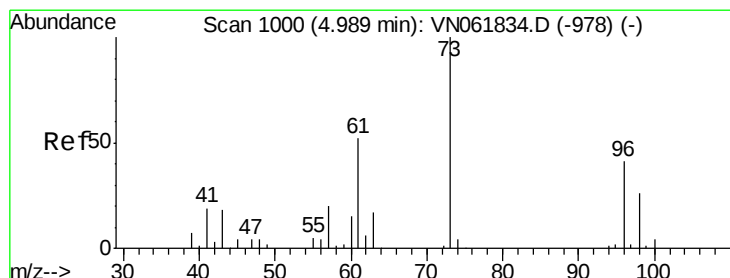
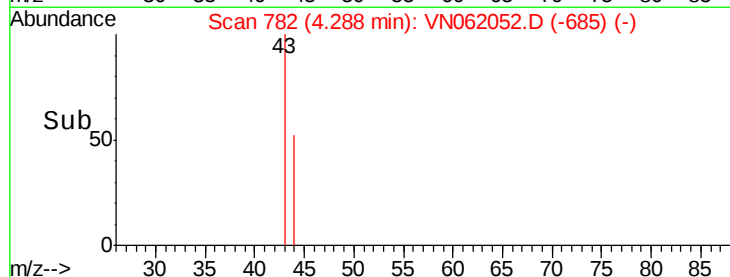
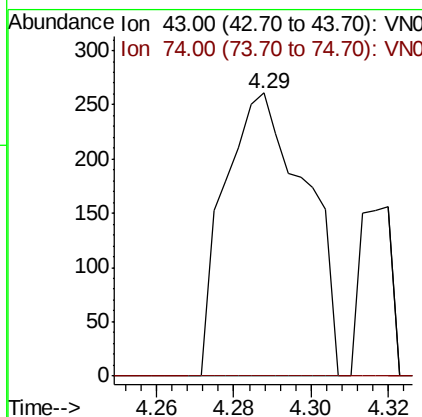
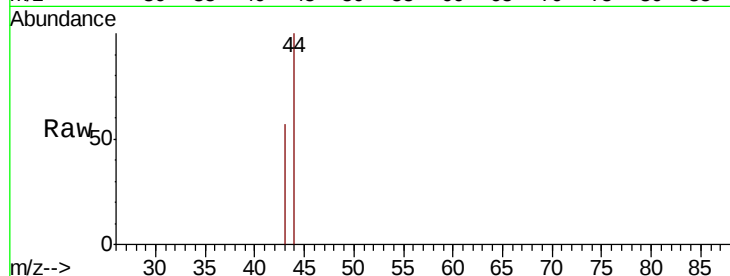




#18
Methyl Acetate
Concen: 0.241 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062052.D
Acq: 23 Jun 2020 19:25

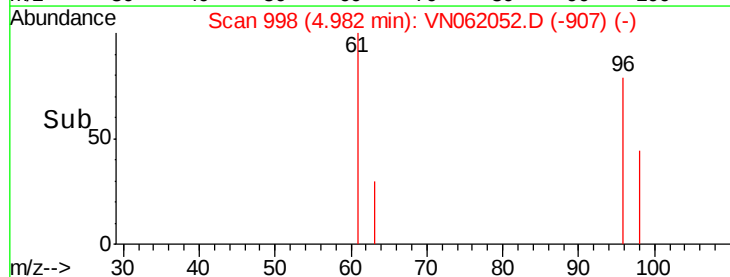
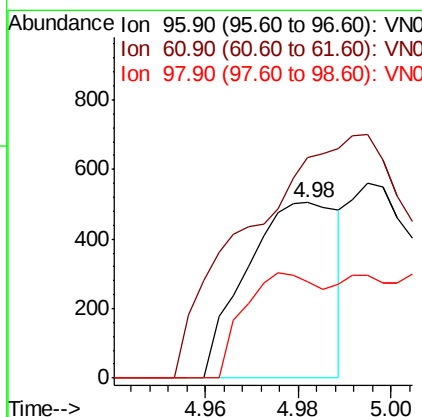
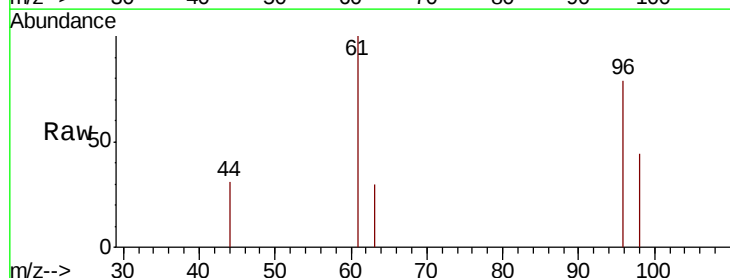
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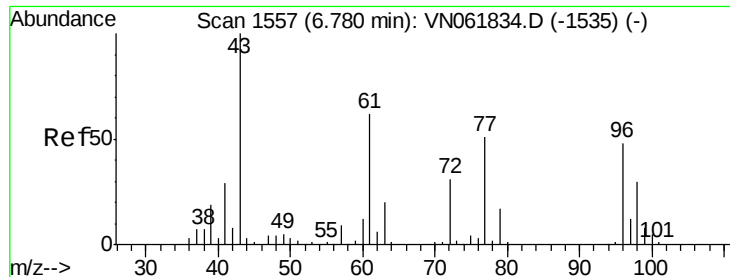
Tot Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#21
trans-1,2-Dichloroethene
Concen: 0.428 ug/l
RT: 4.98 min Scan# 998
Delta R.T. -0.01 min
Lab File: VN062052.D
Acq: 23 Jun 2020 19:25

Tgt Ion: 96 Resp: 694
Ion Ratio Lower Upper
96 100
61 89.5 102.2 153.4#
98 55.4 51.2 76.8





#27

cis-1,2-Dichloroethene

Concen: 86.015 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

SS043MW009-200616DL

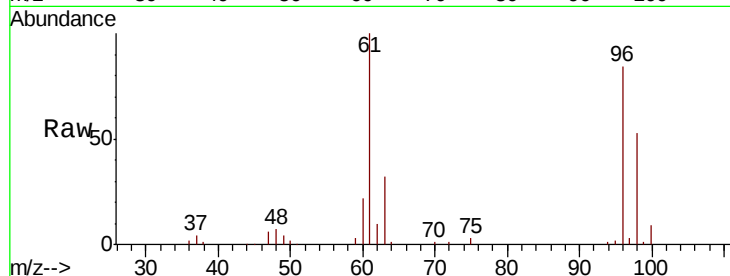
Tot Ion: 96 Resp: 160819

Ion Ratio Lower Upper

96 100

61 120.7 0.0 265.6

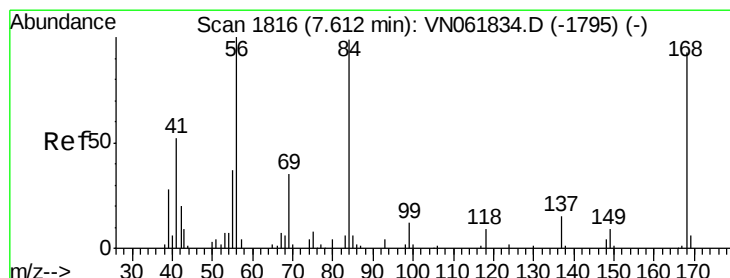
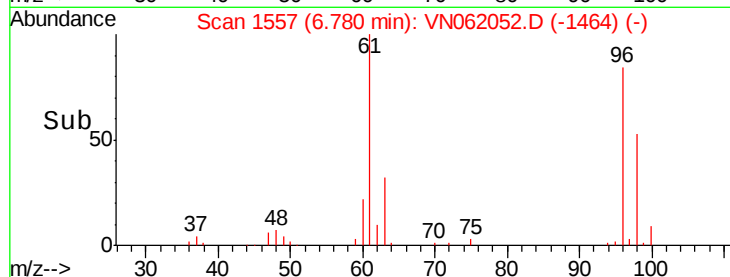
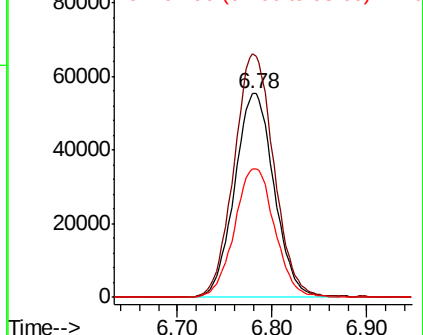
98 64.2 0.0 128.2



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: 1.279 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

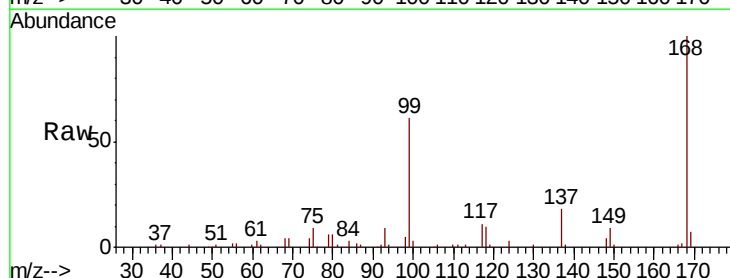
Tgt Ion: 56 Resp: 3139

Ion Ratio Lower Upper

56 100

69 167.0 27.7 41.5#

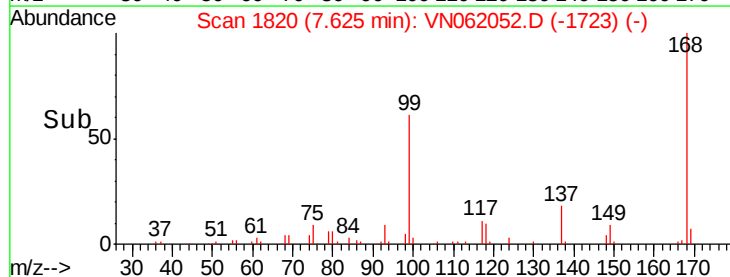
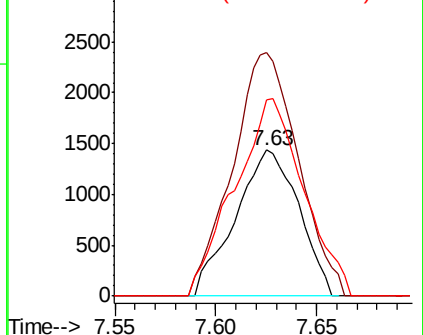
84 134.4 79.1 118.7#

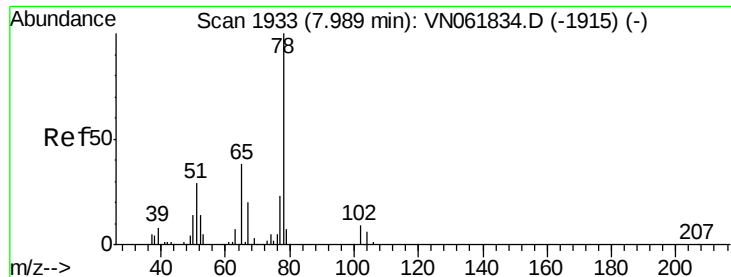


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

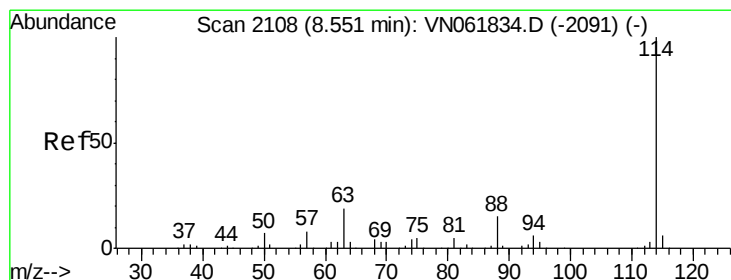
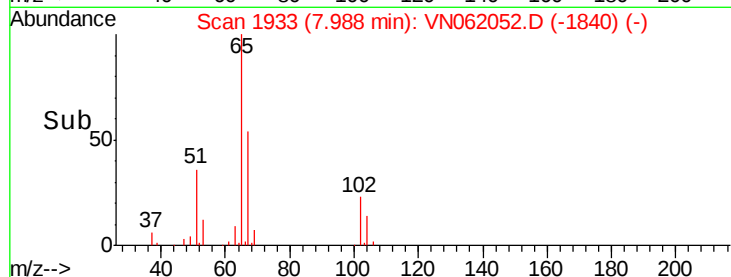
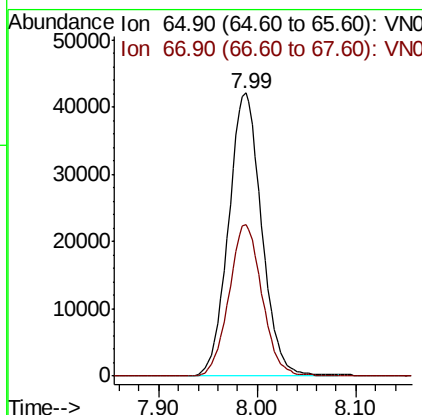
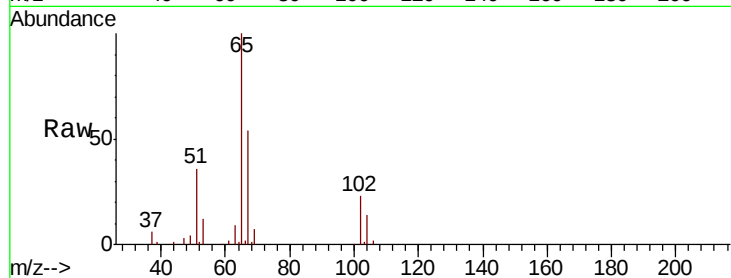




#33
 1,2-Dichloroethane-d4
 Concen: 52.885 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

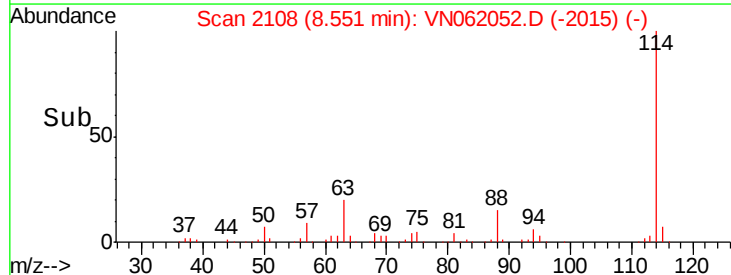
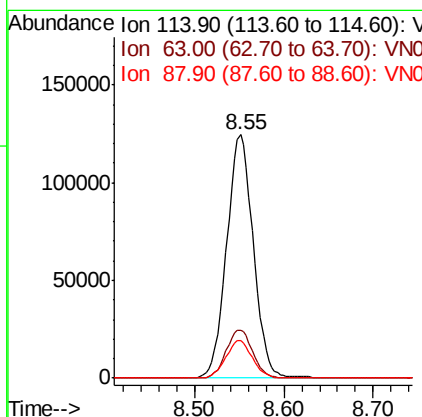
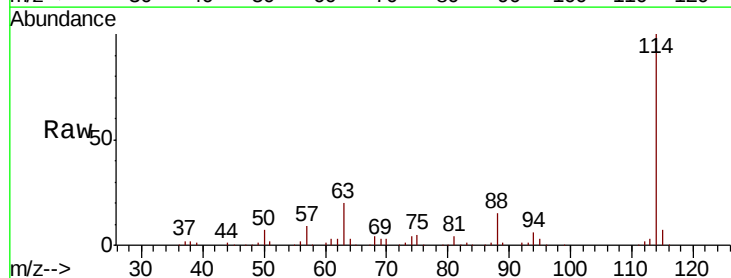
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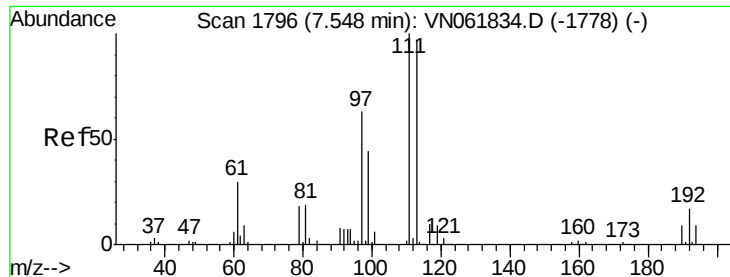
Tot Ion: 65 Resp: 98478
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Tgt Ion: 114 Resp: 257687
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.6
 88 15.4 0.0 31.0

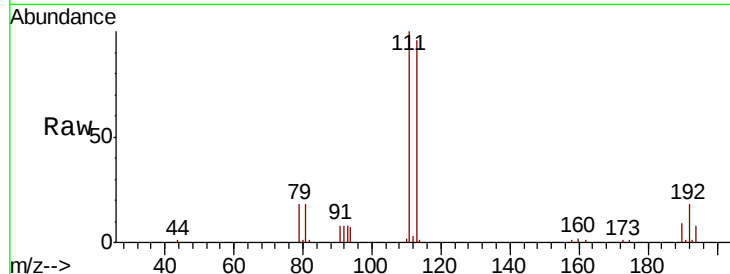




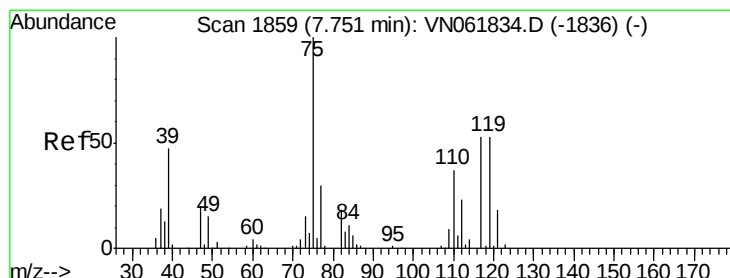
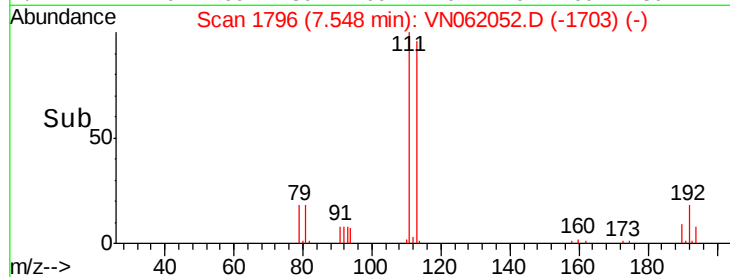
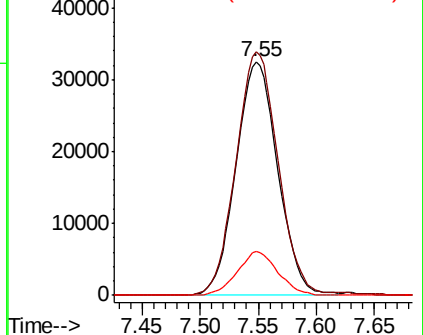
#35
 Dibromofluoromethane
 Concen: 49.559 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.7	125.5
192	18.1	13.9	20.9

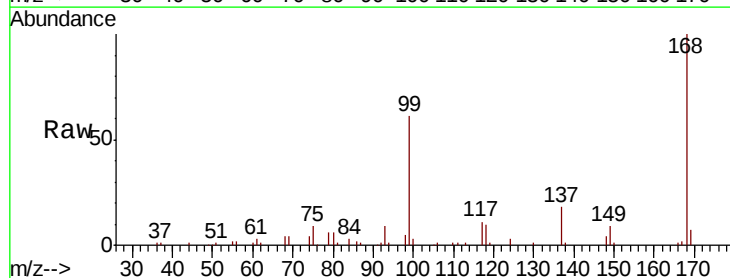


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

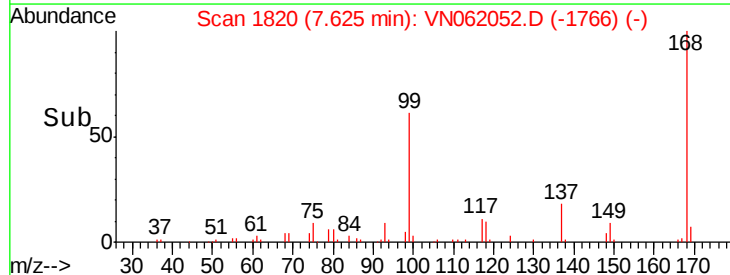
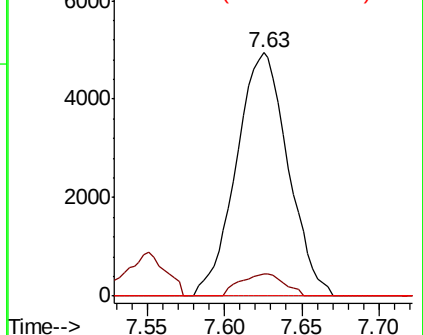


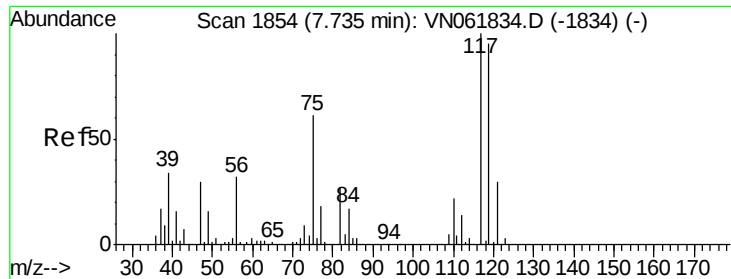
#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.2	54.6#
77	0.0	24.2	36.4#



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





#38

Carbon Tetrachloride

Concen: 6.142 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

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ClientSampleId :

SS043MW009-200616DL

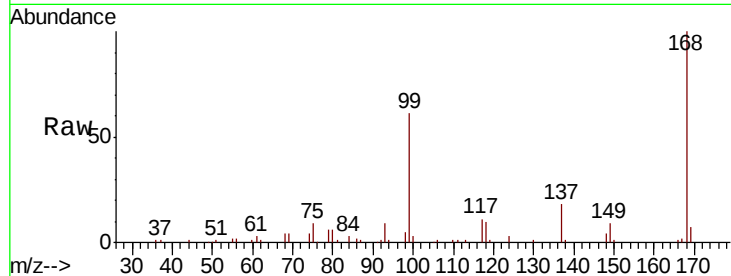
Tot Ion:117 Resp: 14296

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

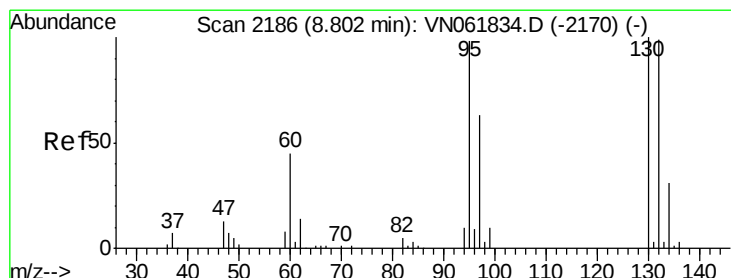
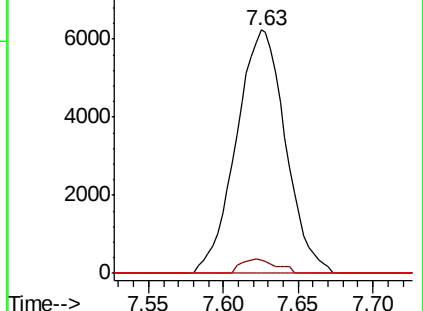
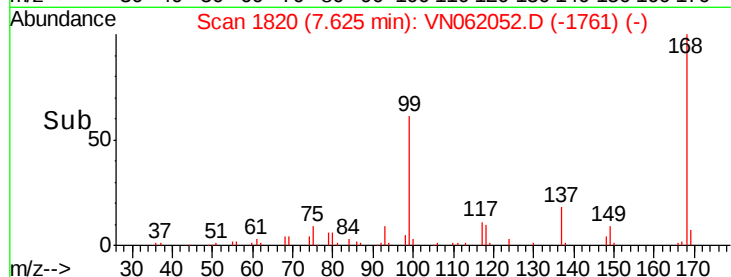
121 0.0 23.8 35.6#



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: 0.343 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062052.D

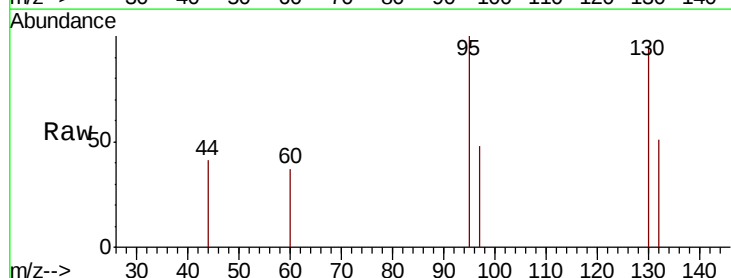
Acq: 23 Jun 2020 19:25

Tgt Ion:130 Resp: 643

Ion Ratio Lower Upper

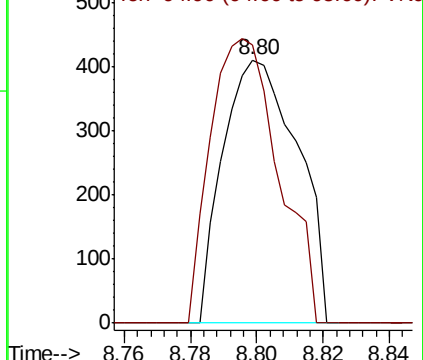
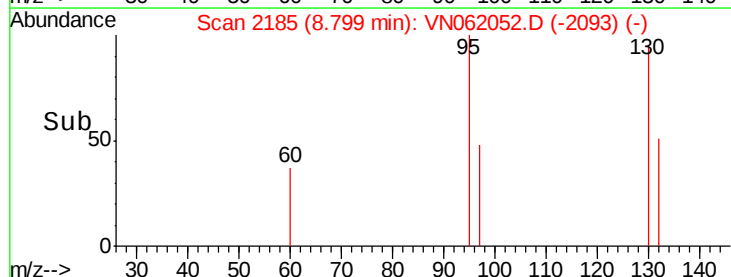
130 100

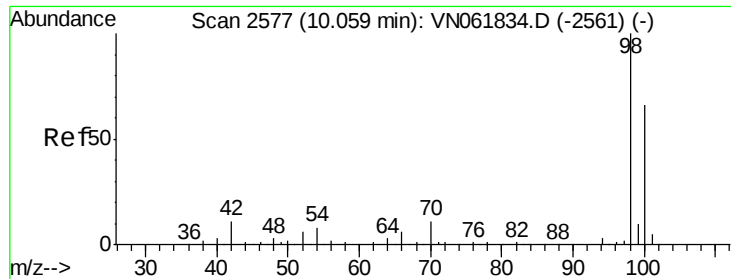
95 105.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.288 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

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ClientSampleId :

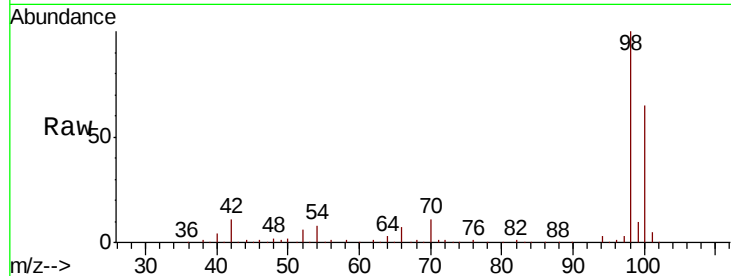
SS043MW009-200616DL

Tot Ion: 98 Resp: 325922

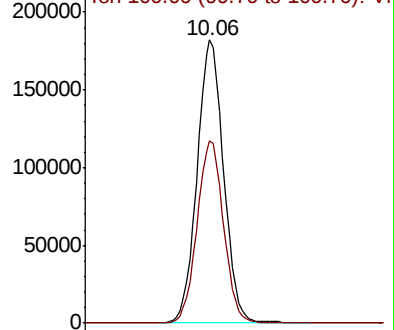
Ion Ratio Lower Upper

98 100

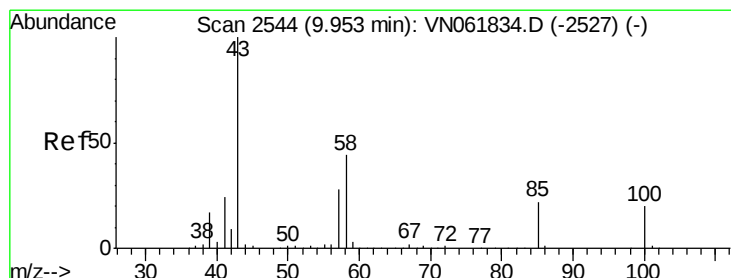
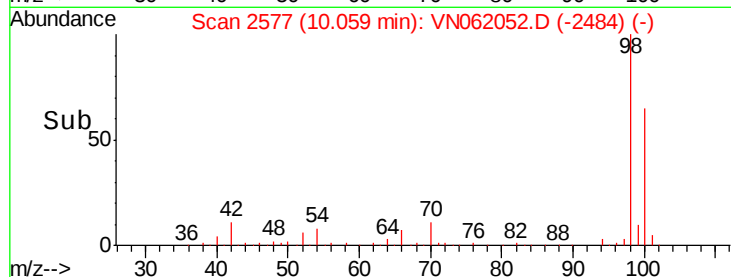
100 64.4 52.7 79.1



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



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.635 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062052.D

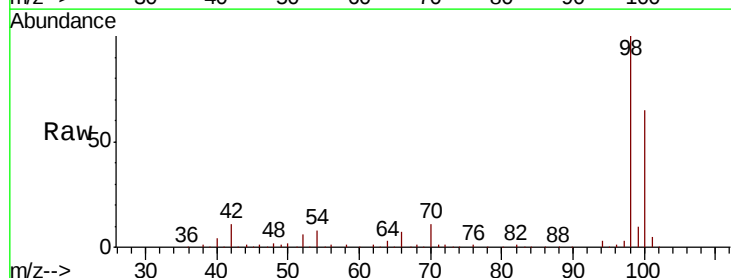
Acq: 23 Jun 2020 19:25

Tgt Ion: 43 Resp: 1161

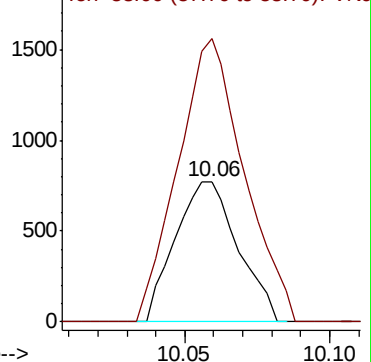
Ion Ratio Lower Upper

43 100

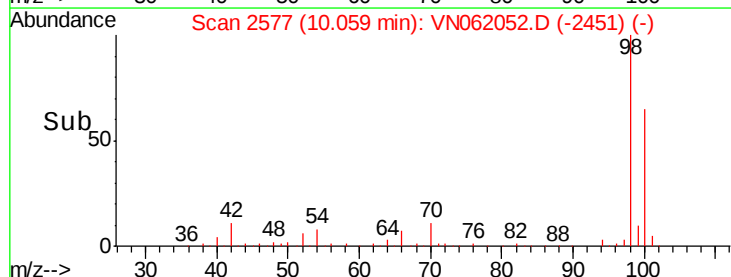
58 212.9 34.6 52.0#

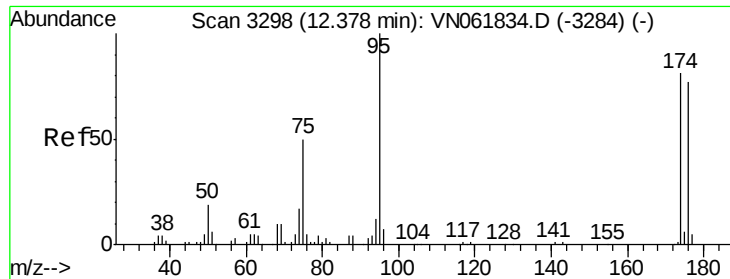


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 47.580 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

SS043MW009-200616DL

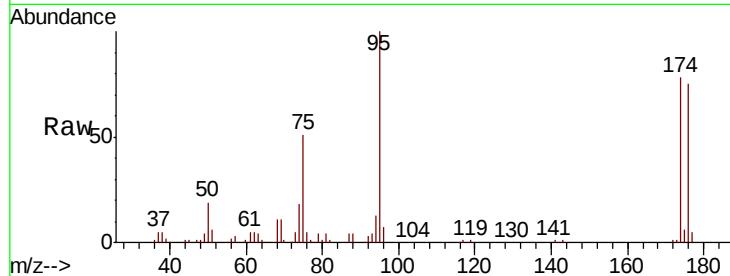
Tot Ion: 95 Resp: 105777

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.6

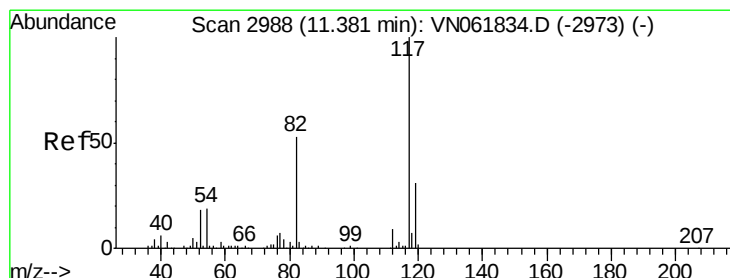
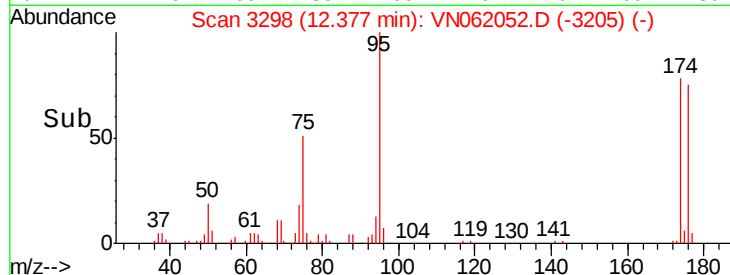
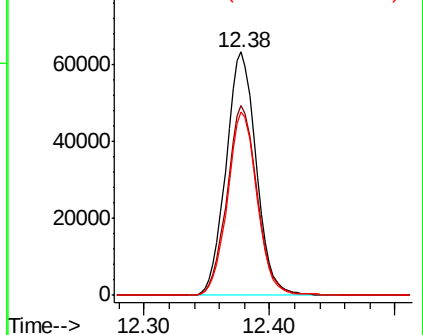
176 74.1 0.0 152.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

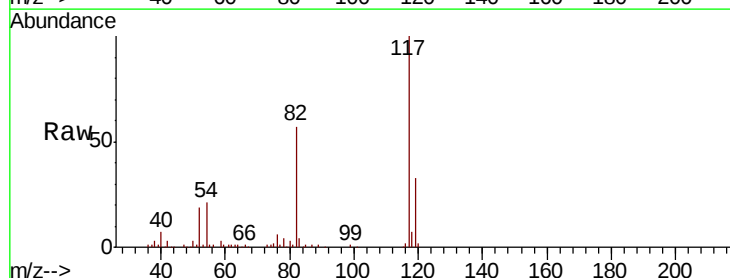
Tgt Ion: 117 Resp: 248616

Ion Ratio Lower Upper

117 100

82 56.6 42.6 64.0

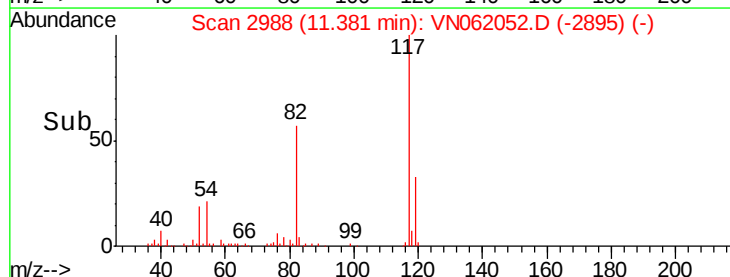
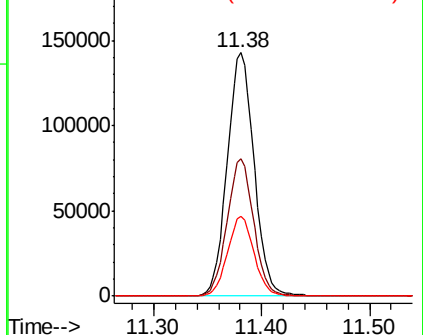
119 32.9 24.7 37.1

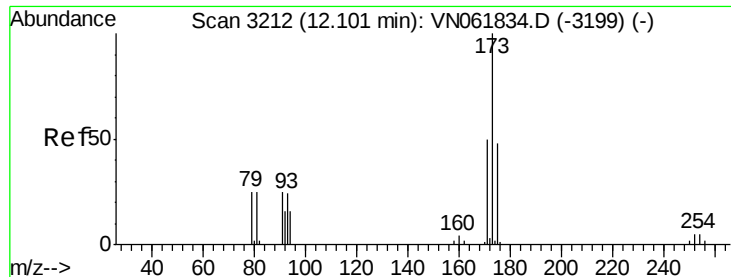


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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

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





#71

Bromoform

Concen: 0.772 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062052.D

Acq: 23 Jun 2020 19:25

Instrument :

MSVOA_N

ClientSampleId :

SS043MW009-200616DL

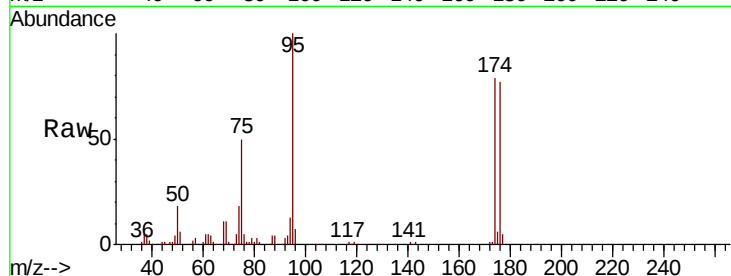
Tot Ion:173 Resp: 1030

Ion Ratio Lower Upper

173 100

175 472.2 23.9 71.7#

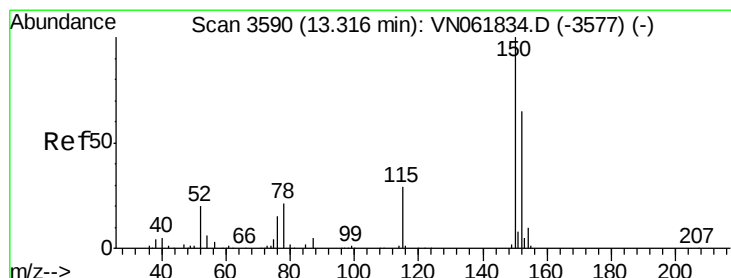
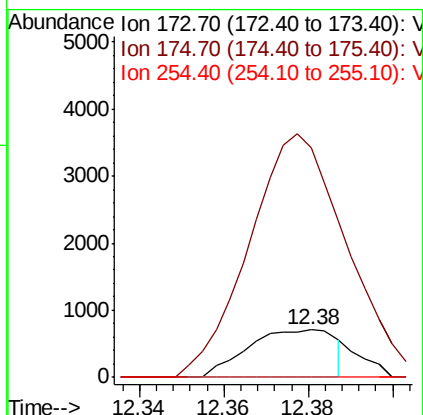
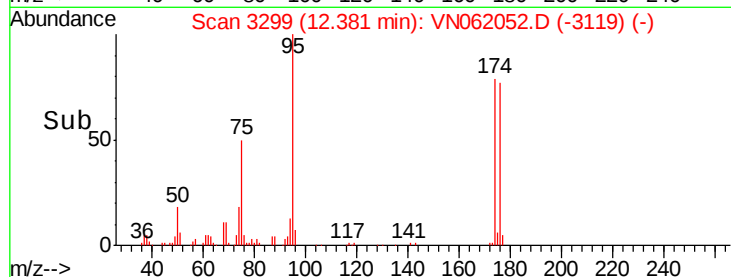
254 0.0 0.0 0.0



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: VN062052.D

Acq: 23 Jun 2020 19:25

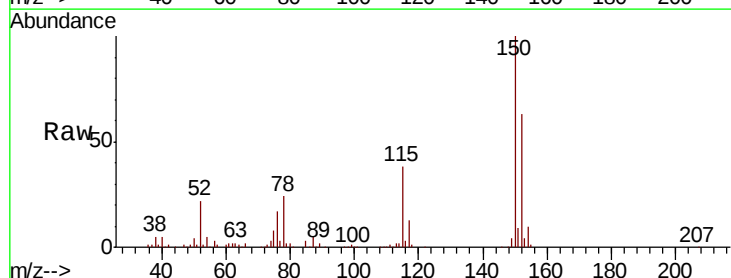
Tgt Ion:152 Resp: 95405

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.3

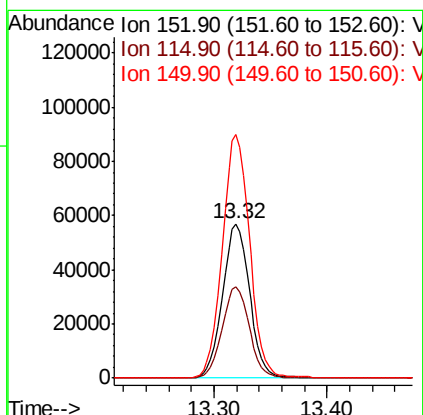
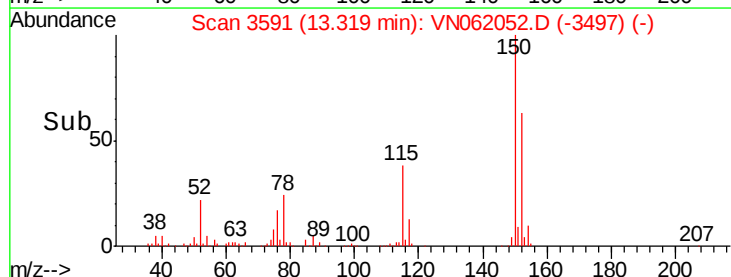
150 158.7 0.0 347.6

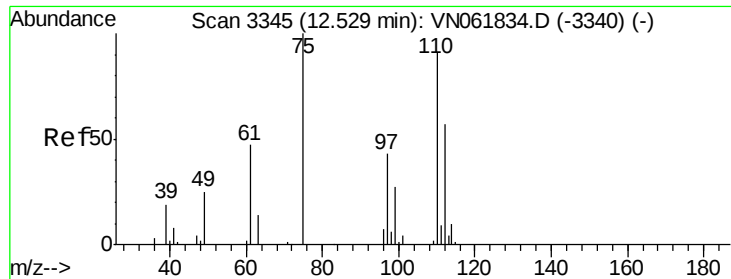


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

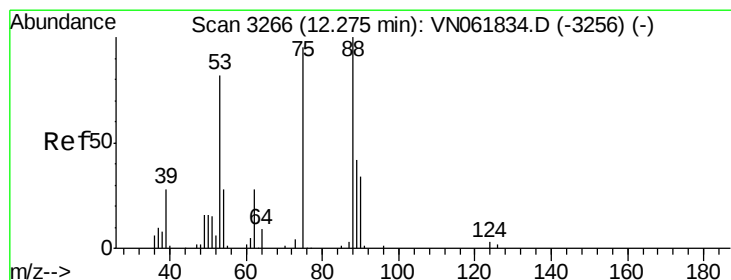
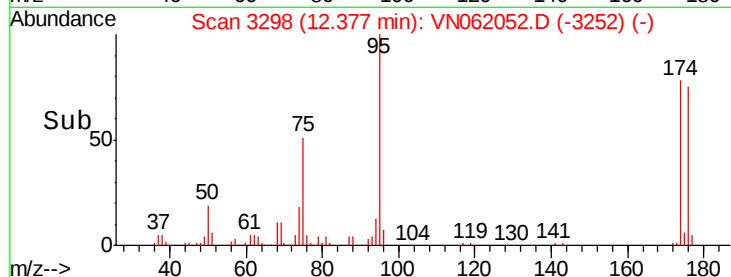
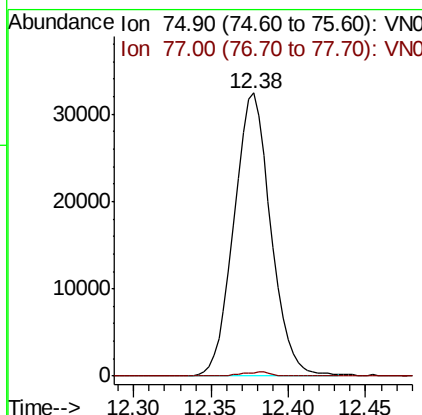
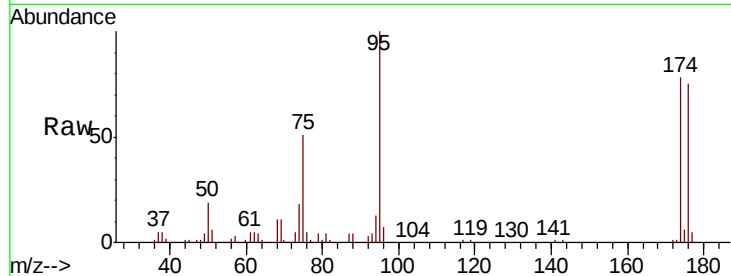




#76
 1,2,3-Trichloropropane
 Concen: 28.653 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

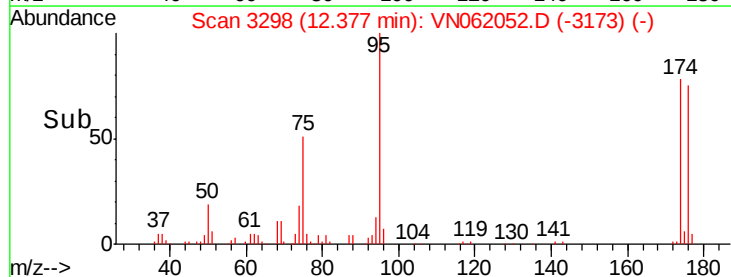
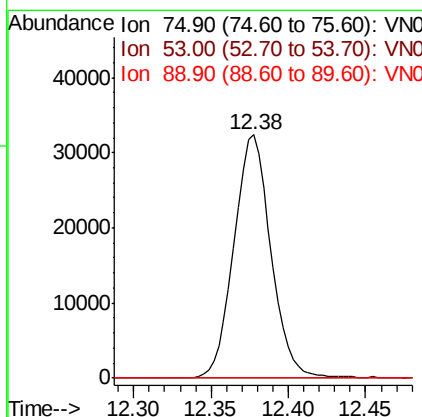
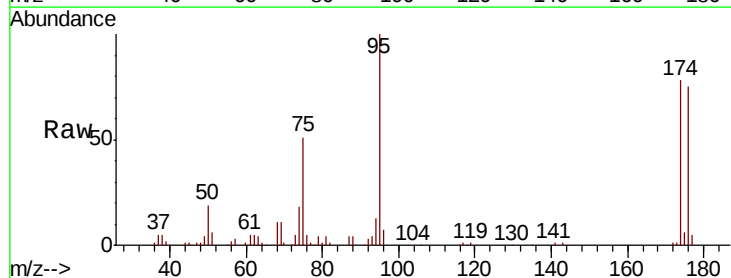
Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616DL

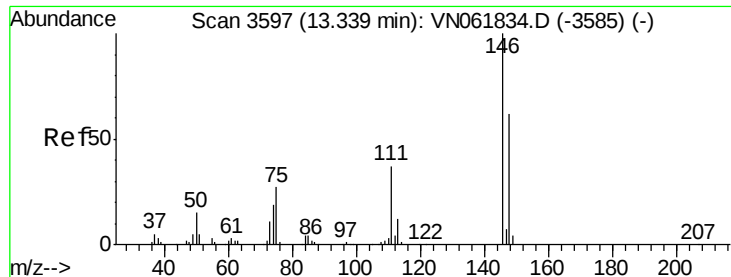
Tot Ion: 75 Resp: 53669
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.150 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Tgt Ion: 75 Resp: 53669
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

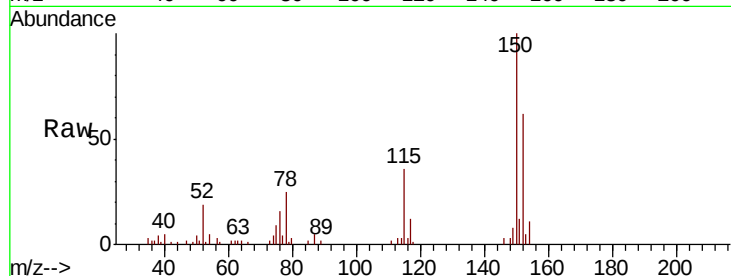




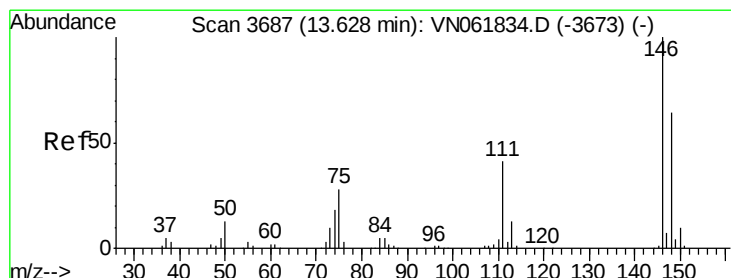
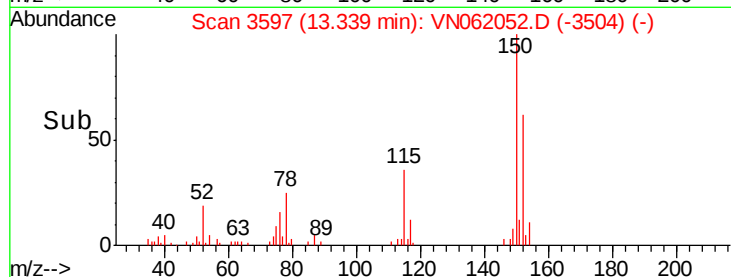
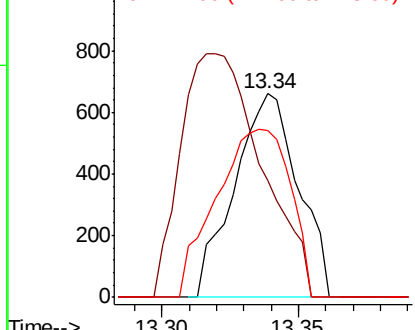
#88
 1,4-Dichlorobenzene
 Concen: 0.334 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616DL

Tot Ion:146 Resp: 1068
 Ion Ratio Lower Upper
 146 100
 111 151.7 19.3 57.8#
 148 96.3 31.6 94.7#

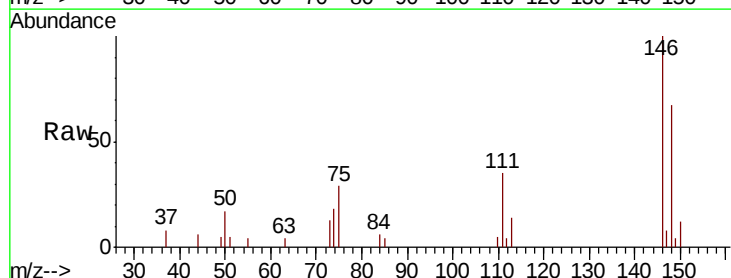


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

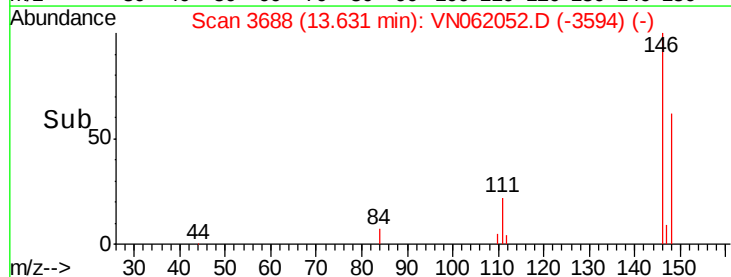
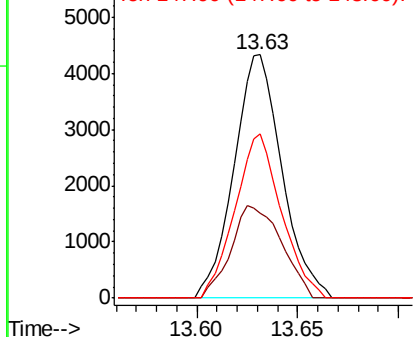


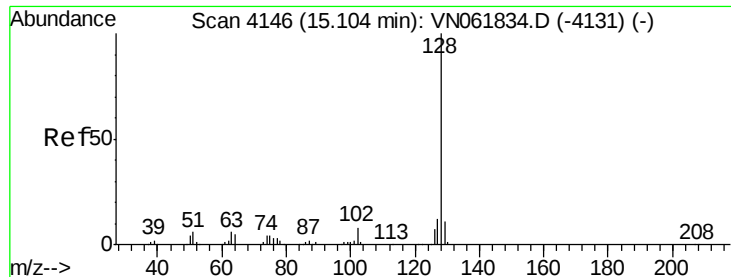
#91
 1,2-Dichlorobenzene
 Concen: 2.404 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN062052.D
 Acq: 23 Jun 2020 19:25

Tgt Ion:146 Resp: 7220
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.4 61.2
 148 65.2 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#95
Naphthalene
Concen: 3.489 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062052.D
Acq: 23 Jun 2020 19:25

Instrument :
MSVOA_N
ClientSampleId :
SS043MW009-200616DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

