

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016361.D
 Acq On : 20 May 2020 15:37
 Operator : JC/SP
 Sample : L2715-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW718-200519

Quant Time: May 21 03:53:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	143874	44.30	ug/l	0.00
Spiked Amount			Recovery	=	88.60%	
35) Dibromofluoromethane	5.47	113	117112	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	
50) Toluene-d8	8.70	98	507186	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.12	95	200331	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

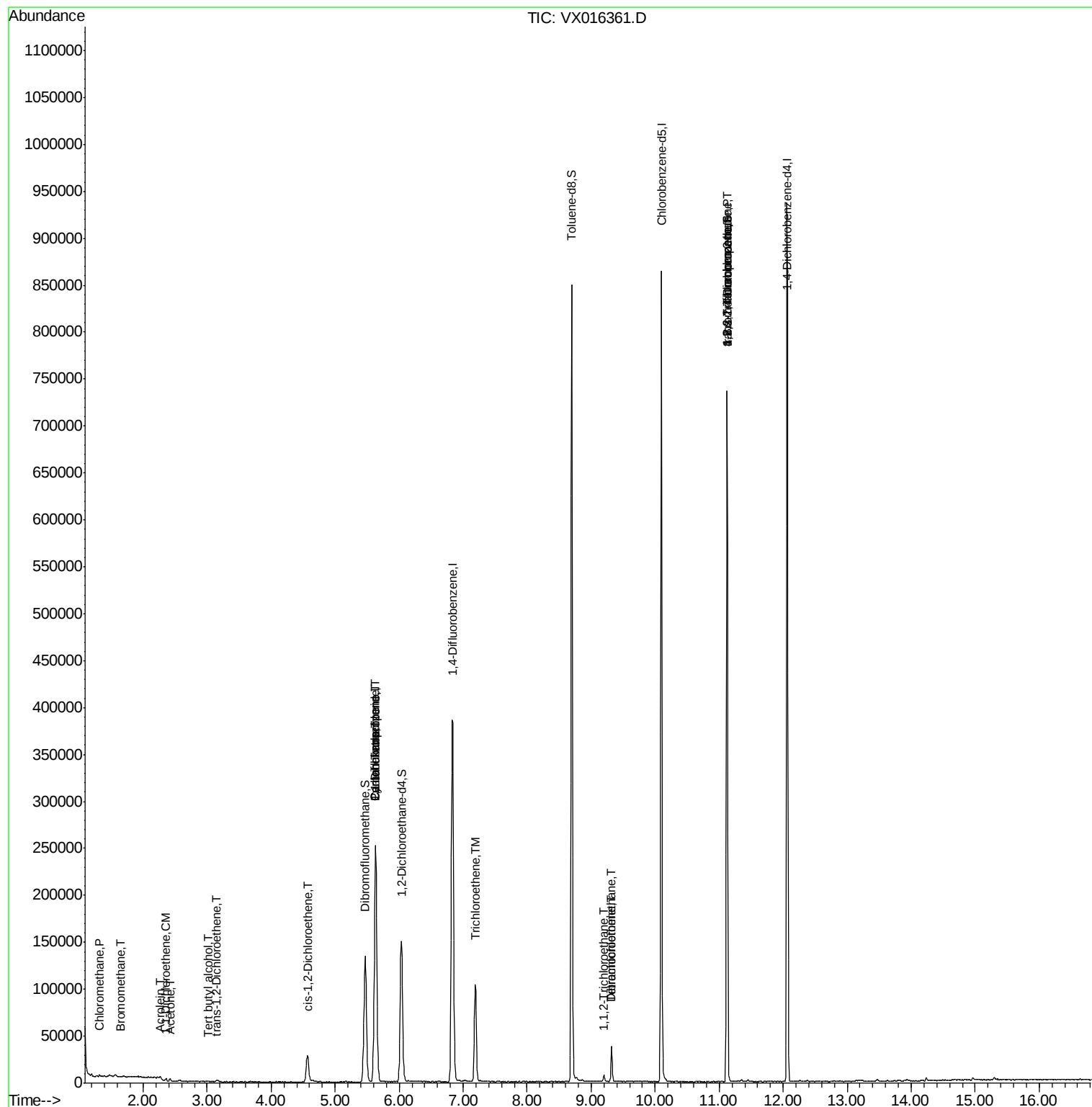
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	960	0.316	ug/l	94
5) Bromomethane	1.64	94	339	0.208	ug/l #	6
11) Tert butyl alcohol	3.01	59	358	0.436	ug/l #	72
12) 1,1-Dichloroethene	2.35	96	1050	0.409	ug/l #	79
13) Acrolein	2.28	56	268	0.522	ug/l #	1
16) Acetone	2.42	43	2500	1.725	ug/l	89
17) Carbon Disulfide	2.55	76	848	Below Cal	#	80
21) trans-1,2-Dichloroethene	3.14	96	749	0.262	ug/l #	68
27) cis-1,2-Dichloroethene	4.57	96	19063	6.100	ug/l	85
31) Cyclohexane	5.63	56	4445	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17817	4.426	ug/l #	48
38) Carbon Tetrachloride	5.63	117	23461	5.734	ug/l #	14
44) Trichloroethene	7.19	130	41912	10.016	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	1795	0.621	ug/l	92
60) Dibromochloromethane	9.32	129	6386	2.007	ug/l #	11
64) Tetrachloroethene	9.32	164	7242	1.460	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.12	83	93	2.083	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	97556	21.226	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	97556	50.584	ug/l #	13

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

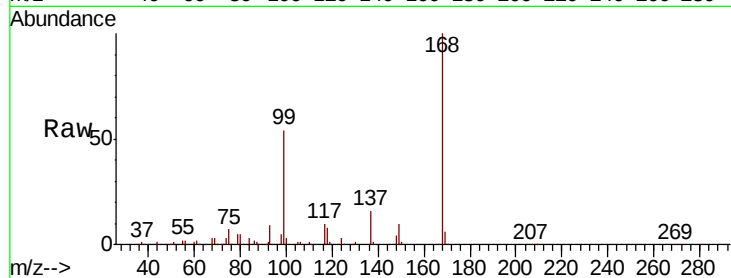
SS052MW718-200519

Tot Ion:168 Resp: 246786

Ion Ratio Lower Upper

168 100

99 54.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

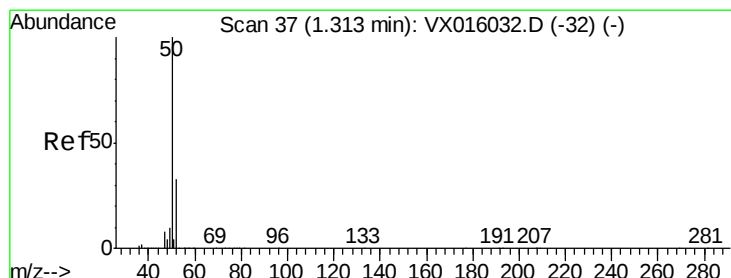
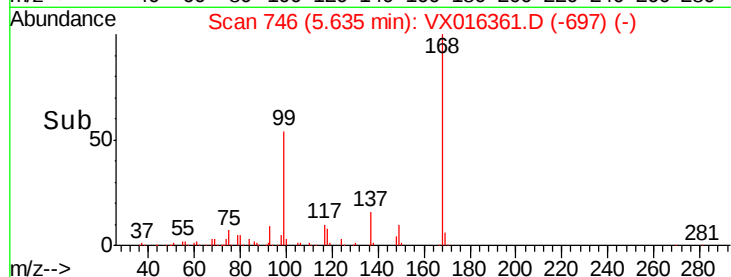
40000

20000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016361.D

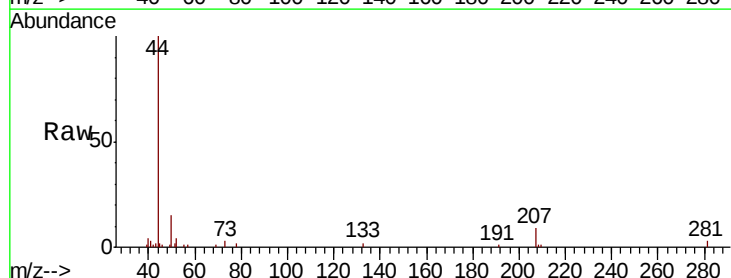
Acq: 20 May 2020 15:37

Tgt Ion: 50 Resp: 960

Ion Ratio Lower Upper

50 100

52 29.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

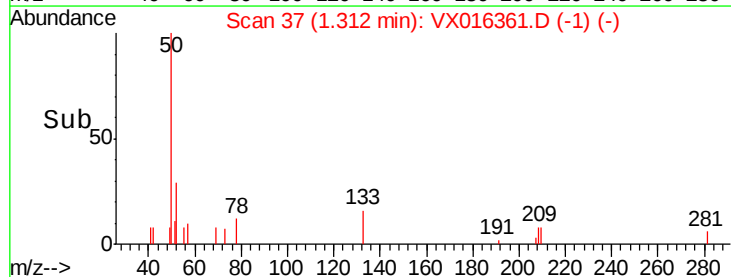
400

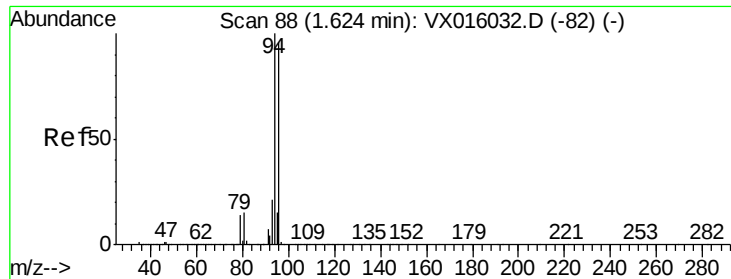
200

0

1.25 1.30 1.35

Time-->





#5

Bromomethane

Concen: 0.208 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

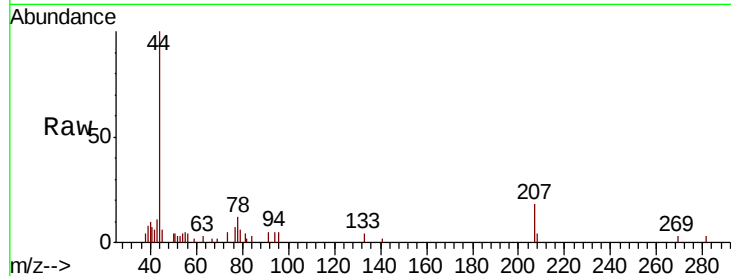
SS052MW718-200519

Tot Ion: 94 Resp: 339

Ion Ratio Lower Upper

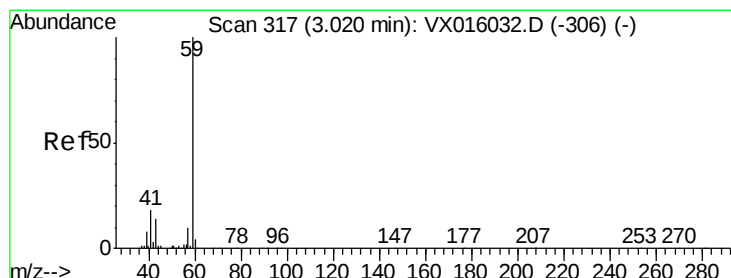
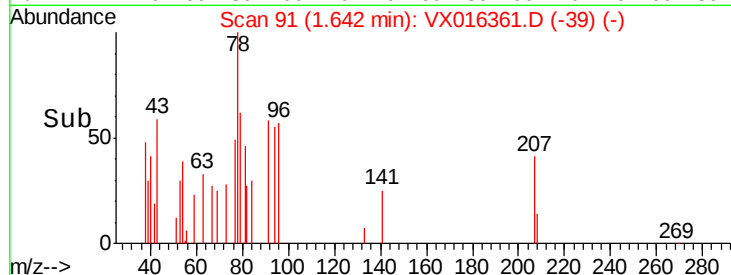
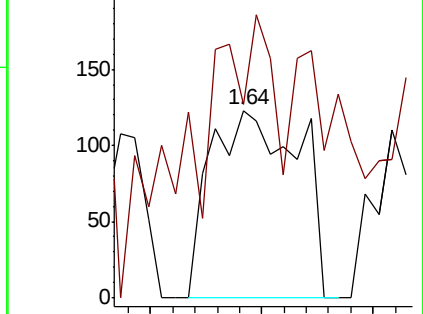
94 100

96 4.1 76.9 115.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.436 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016361.D

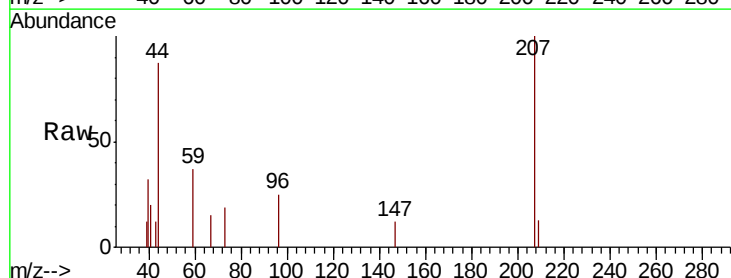
Acq: 20 May 2020 15:37

Tgt Ion: 59 Resp: 358

Ion Ratio Lower Upper

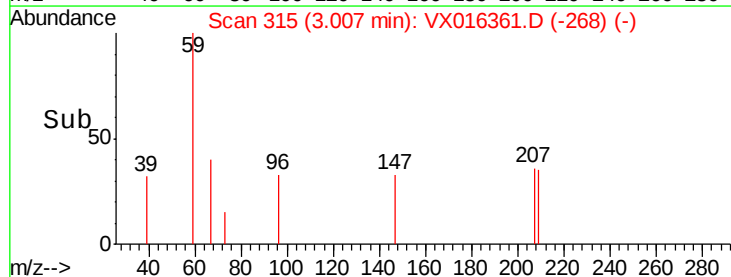
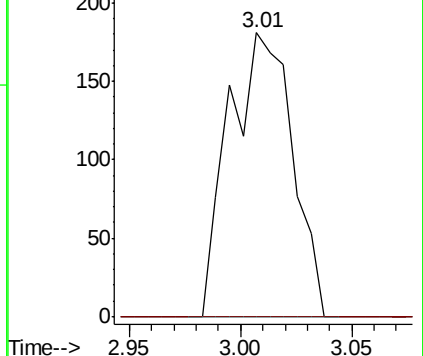
59 100

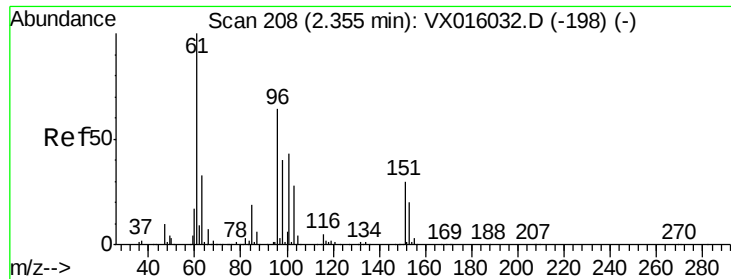
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.409 ug/l

RT: 2.35 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW718-200519

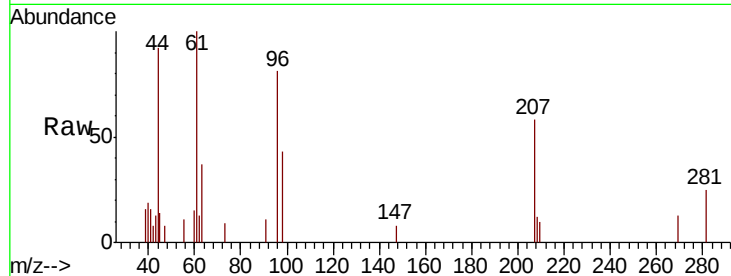
Tot Ion: 96 Resp: 1050

Ion Ratio Lower Upper

96 100

61 124.0 124.8 187.2#

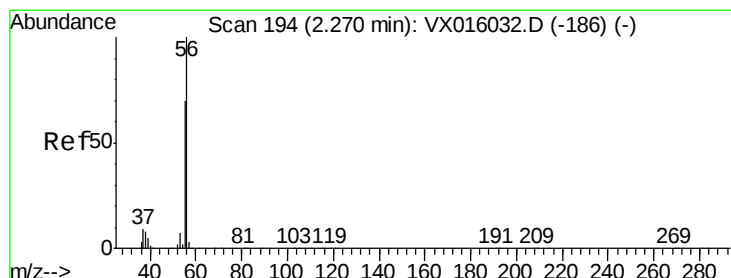
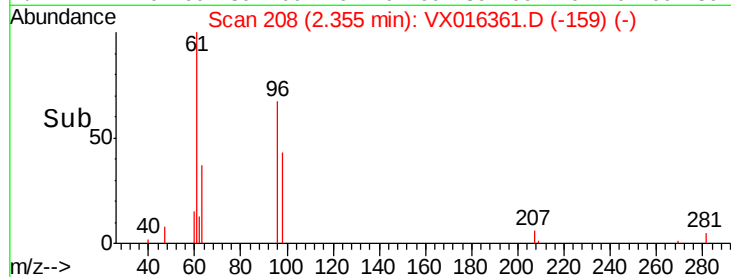
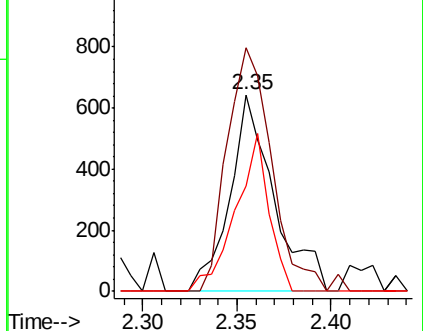
98 53.7 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.522 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016361.D

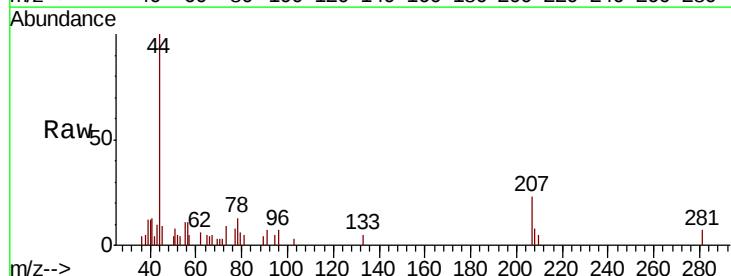
Acq: 20 May 2020 15:37

Tgt Ion: 56 Resp: 268

Ion Ratio Lower Upper

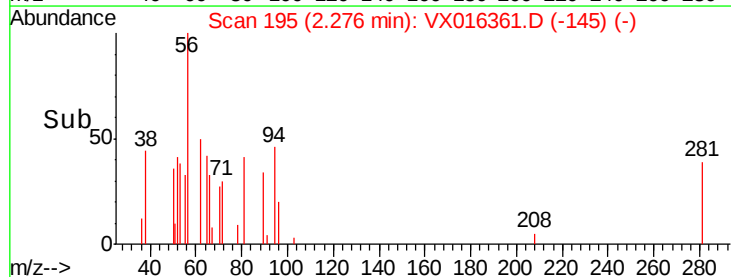
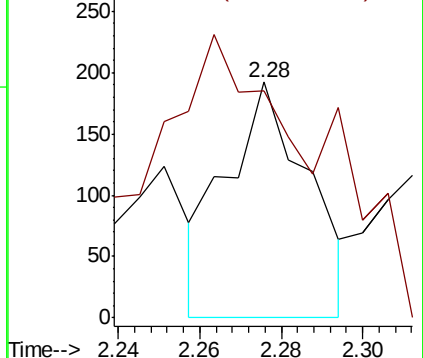
56 100

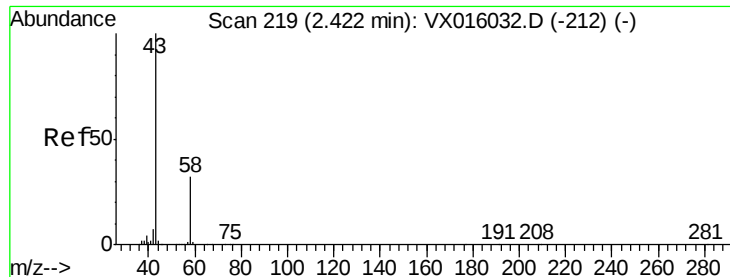
55 225.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.725 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

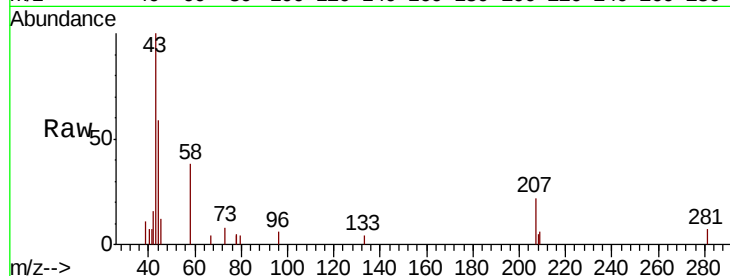
SS052MW718-200519

Tot Ion: 43 Resp: 2500

Ion Ratio Lower Upper

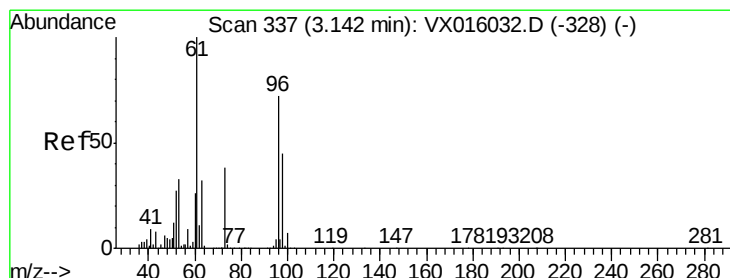
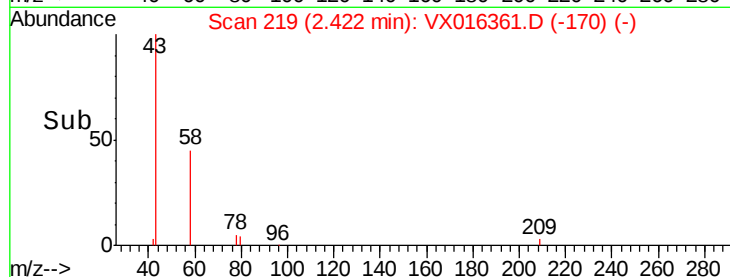
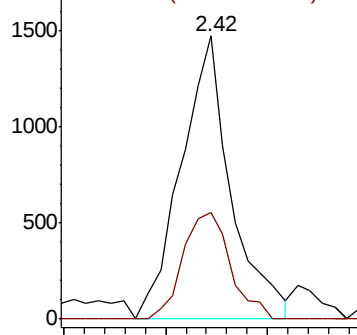
43 100

58 37.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 0.262 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

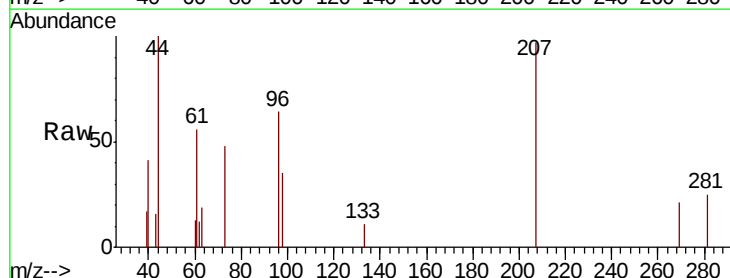
Tgt Ion: 96 Resp: 749

Ion Ratio Lower Upper

96 100

61 87.9 111.2 166.8#

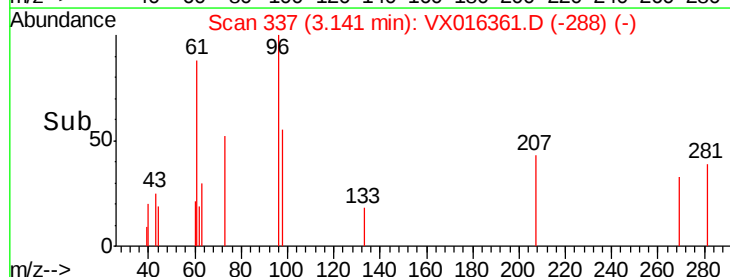
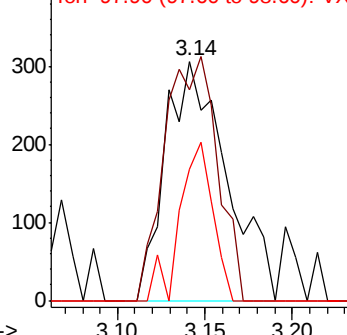
98 54.9 50.2 75.4

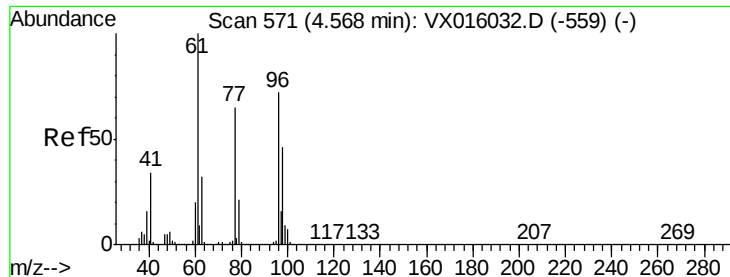


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

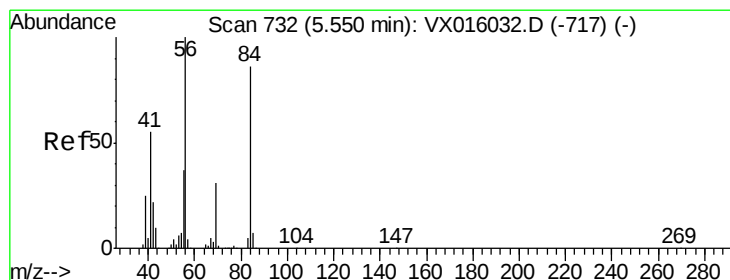
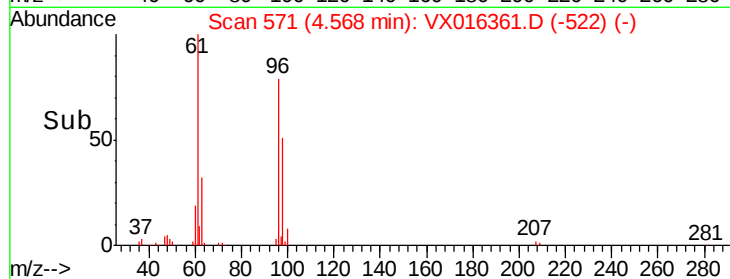
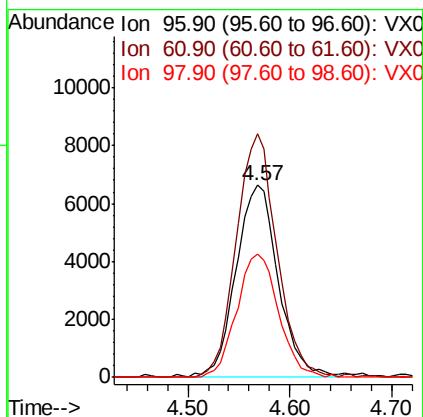
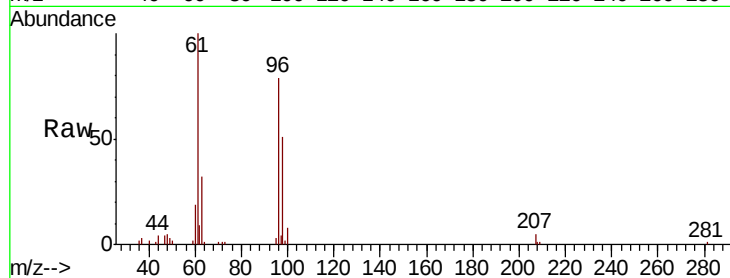




#27
 cis-1,2-Dichloroethene
 Concen: 6.100 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016361.D
 Acq: 20 May 2020 15:37

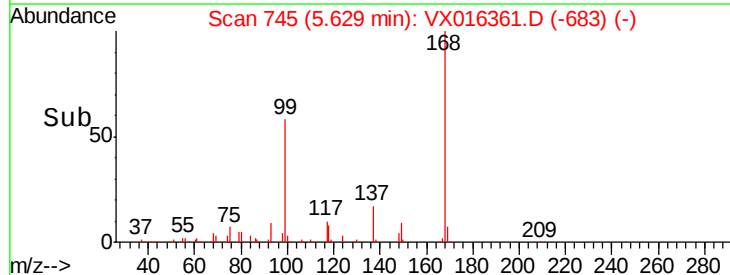
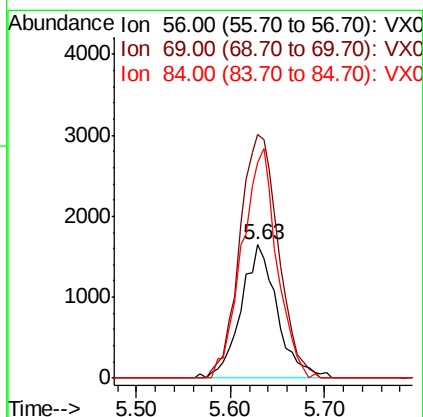
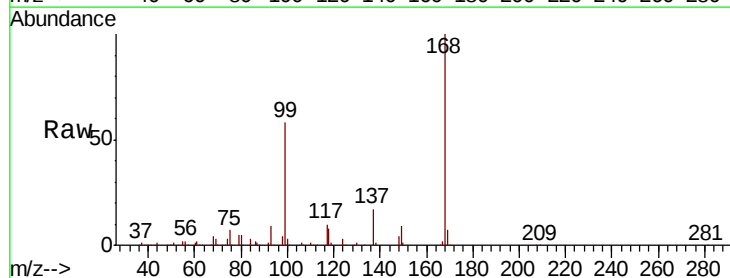
Instrument :
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 SS052MW718-200519

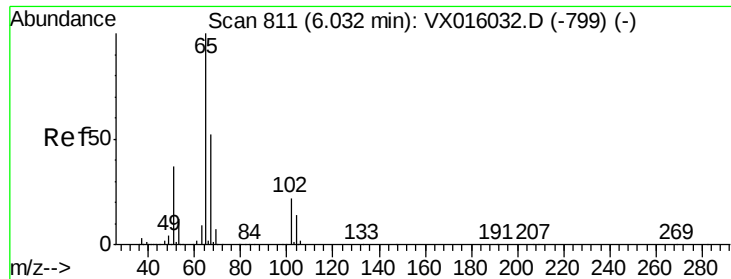
Tot Ion	Ratio	Lower	Upper
96	100		
61	121.6	0.0	296.2
98	63.5	0.0	129.4



#31
 Cyclohexane
 Concen: 0.985 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016361.D
 Acq: 20 May 2020 15:37

Tgt Ion	Ratio	Lower	Upper
56	100		
69	182.4	25.0	37.6#
84	161.3	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 44.304 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

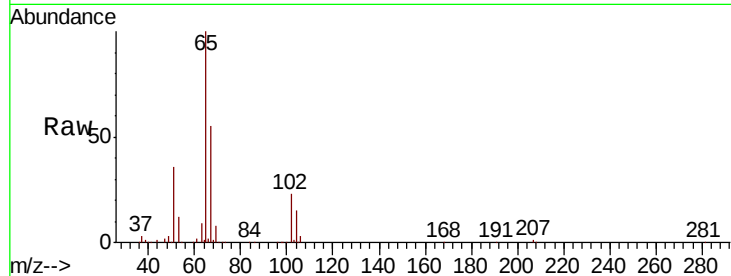
SS052MW718-200519

Tot Ion: 65 Resp: 143874

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

60000

50000

40000

30000

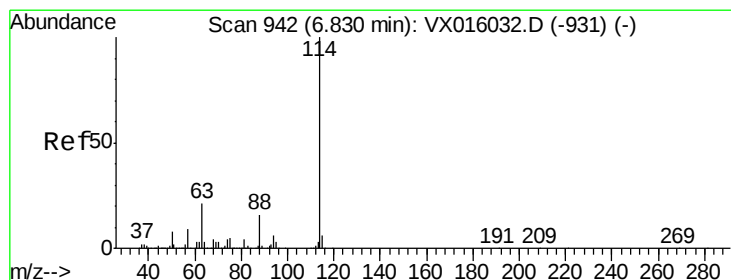
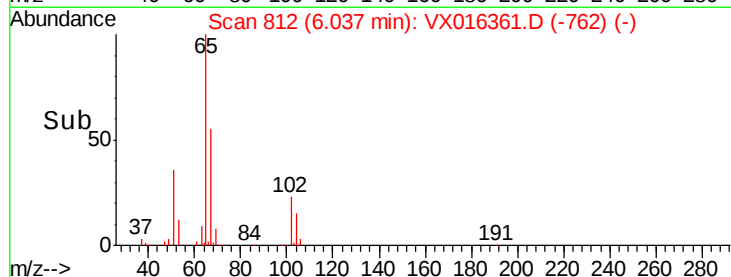
20000

10000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

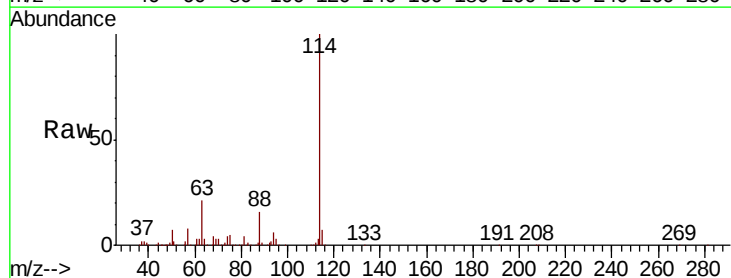
Tgt Ion: 114 Resp: 408933

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.8

88 16.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

200000

150000

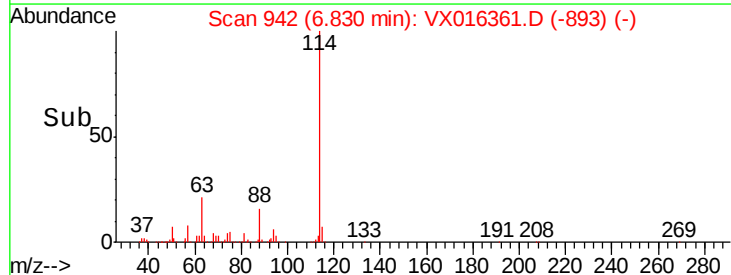
100000

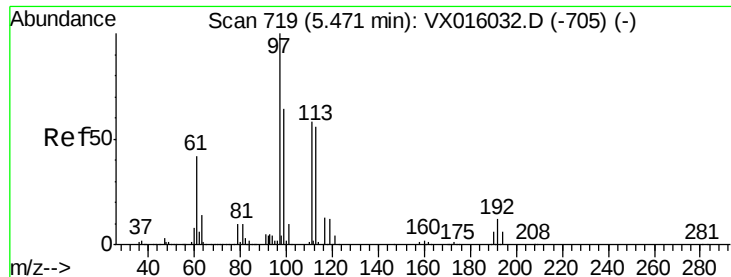
50000

0

6.70 6.80 6.90

Time-->

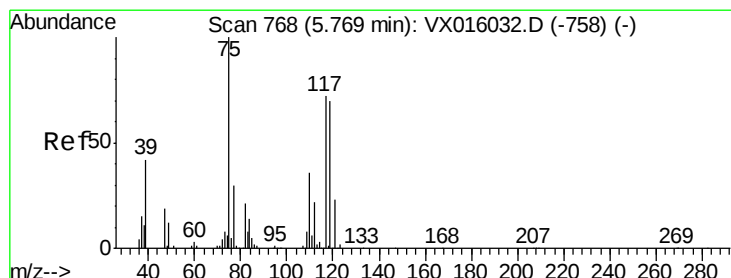
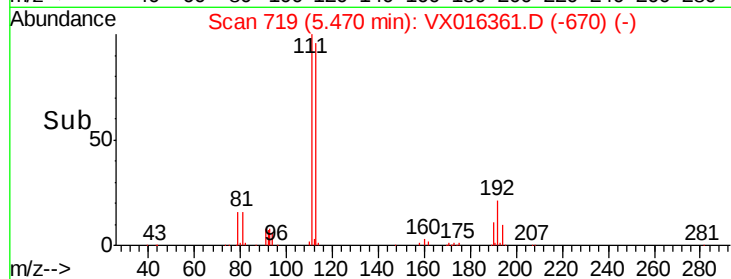
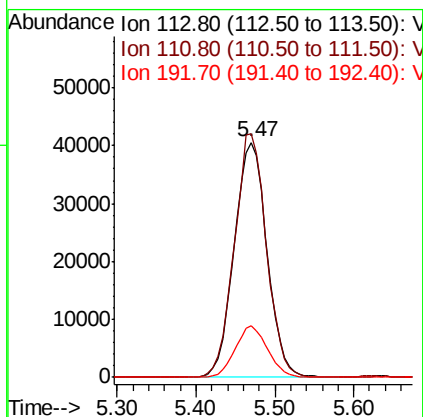
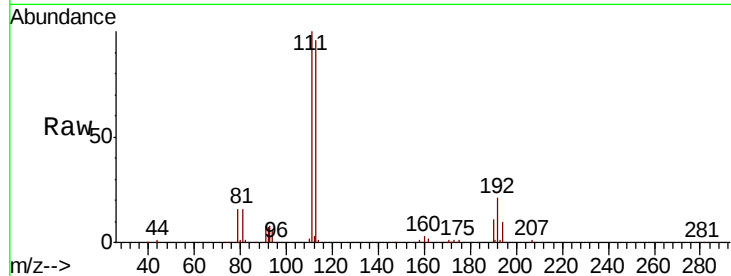




#35
 Dibromofluoromethane
 Concen: 45.204 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016361.D
 Acq: 20 May 2020 15:37

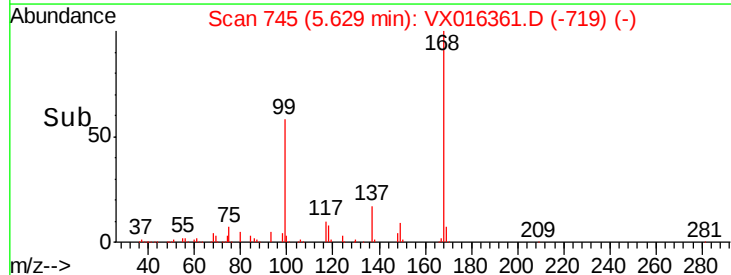
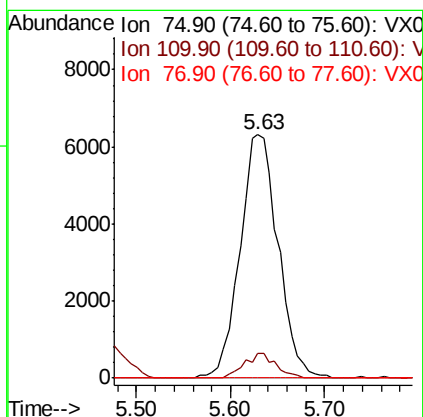
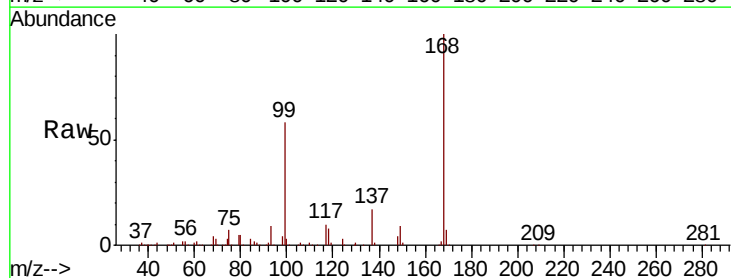
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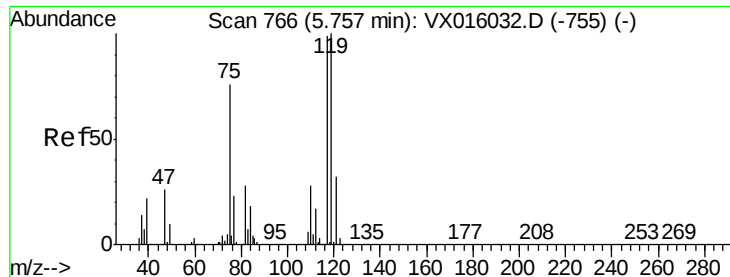
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.6	122.4
192	21.7	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.426 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016361.D
 Acq: 20 May 2020 15:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.1#
77	0.0	25.0	37.6#

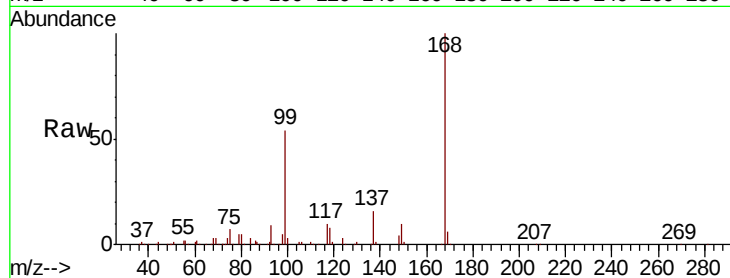




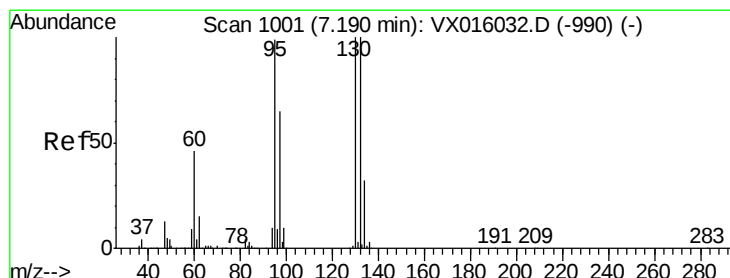
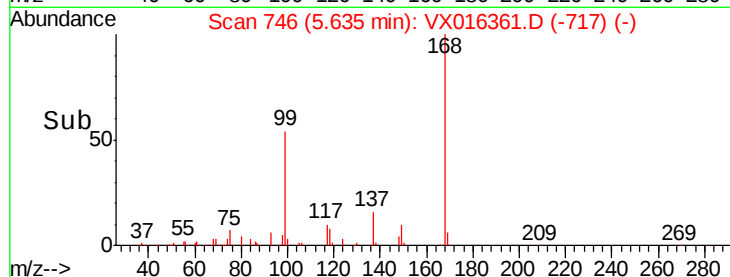
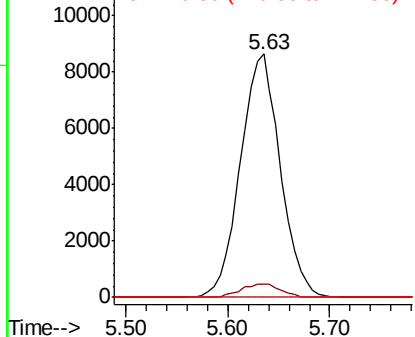
#38
Carbon Tetrachloride
Concen: 5.734 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016361.D
Acq: 20 May 2020 15:37

Instrument :
MSVOA_X
ClientSampleId :
SS052MW718-200519

Tot Ion:117 Resp: 23461
Ion Ratio Lower Upper
117 100
119 5.3 80.3 120.5#
121 0.0 25.7 38.5#

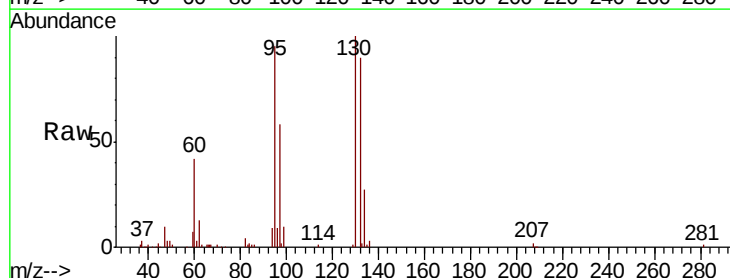


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

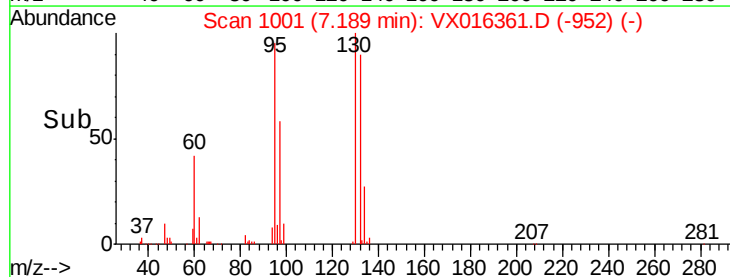
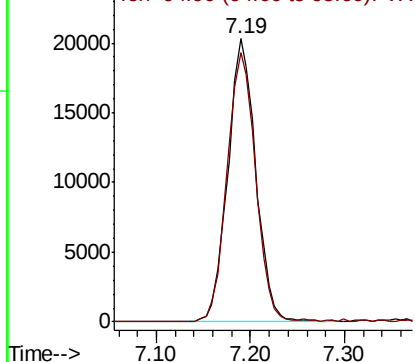


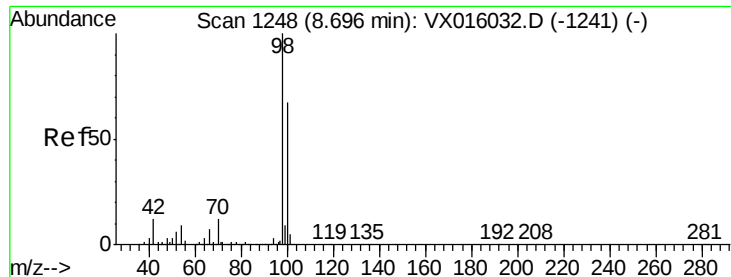
#44
Trichloroethene
Concen: 10.016 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016361.D
Acq: 20 May 2020 15:37

Tgt Ion:130 Resp: 41912
Ion Ratio Lower Upper
130 100
95 95.3 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.808 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

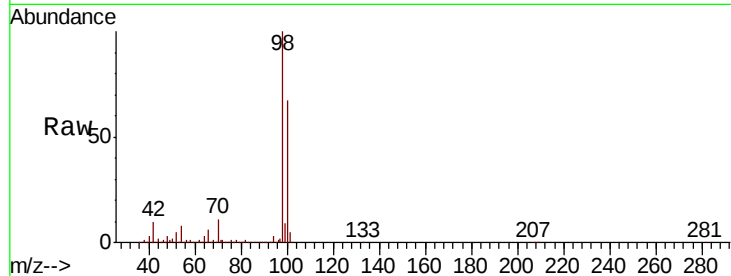
SS052MW718-200519

Tot Ion: 98 Resp: 507186

Ion Ratio Lower Upper

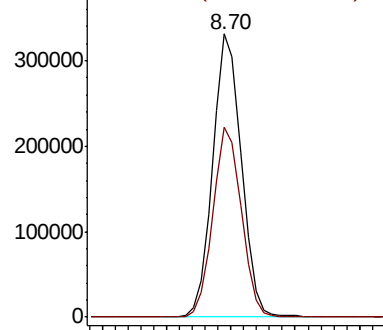
98 100

100 66.8 53.7 80.5

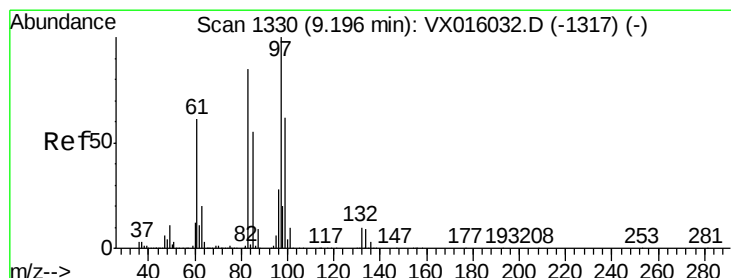
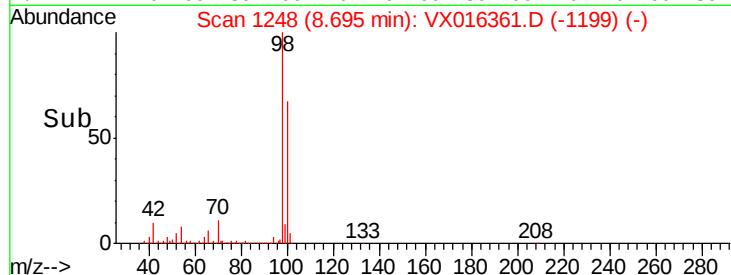


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.65 8.70 8.75 8.80



#55

1,1,2-Trichloroethane

Concen: 0.621 ug/l

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Tgt Ion: 97 Resp: 1795

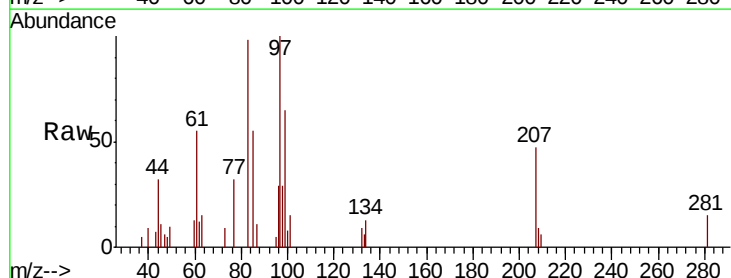
Ion Ratio Lower Upper

97 100

83 98.4 67.8 101.8

85 55.1 43.8 65.8

99 64.9 49.4 74.0

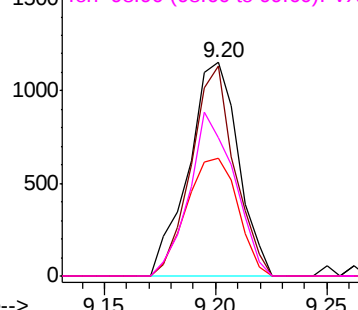


Abundance Ion 96.90 (96.60 to 97.60): VX0

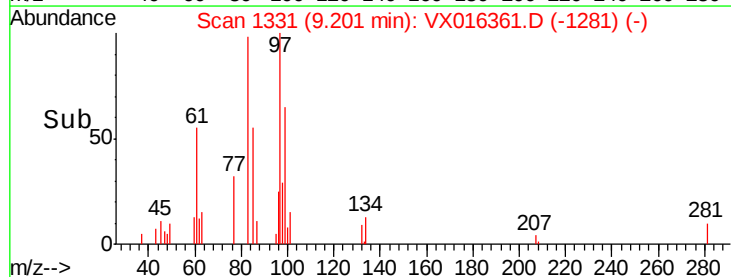
Ion 82.90 (82.60 to 83.60): VX0

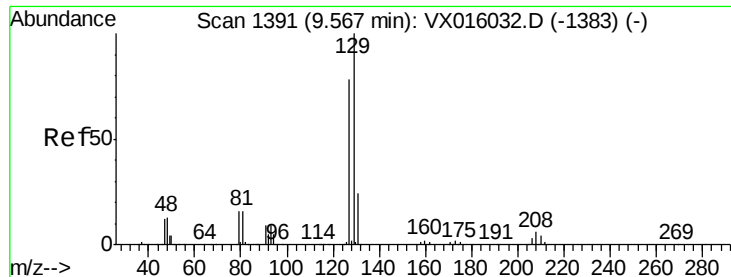
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



Time--> 9.15 9.20 9.25





#60

Dibromochloromethane

Concen: 2.007 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

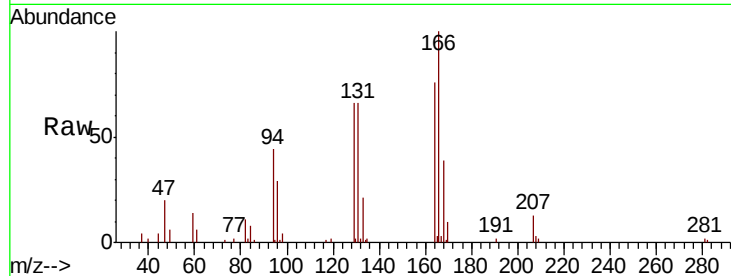
SS052MW718-200519

Tot Ion:129 Resp: 6386

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

4000

3000

2000

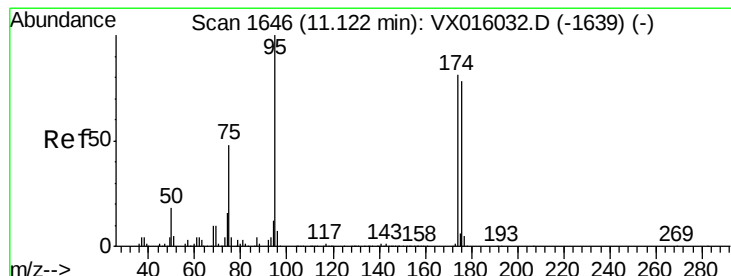
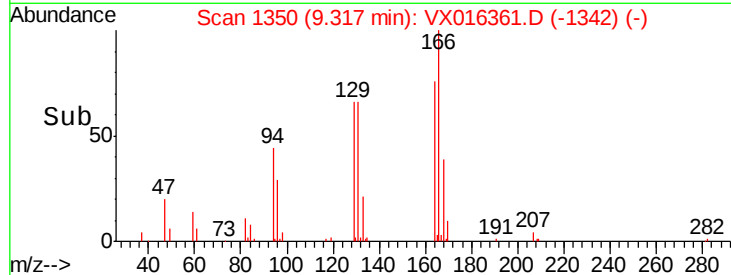
1000

0

9.25

9.30

9.35



#62

4-Bromofluorobenzene

Concen: 52.763 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

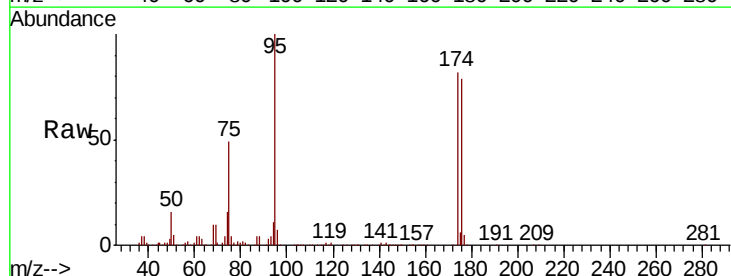
Tgt Ion: 95 Resp: 200331

Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.4

176 77.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

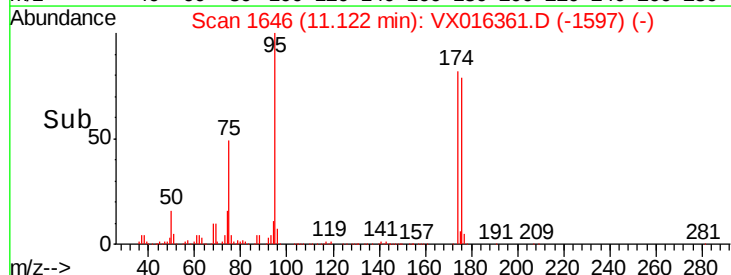
50000

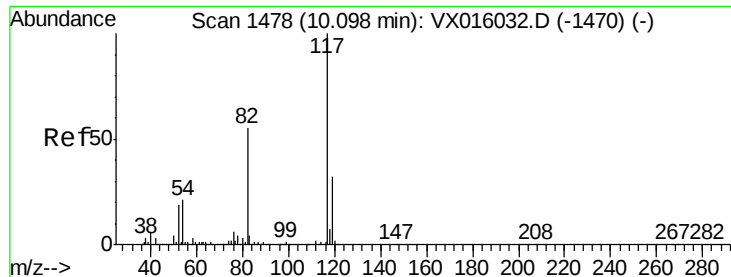
0

11.10

11.12

11.20

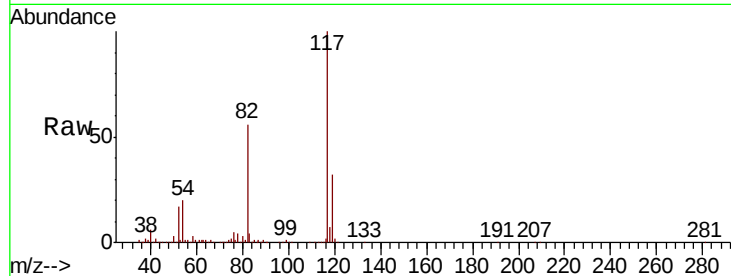




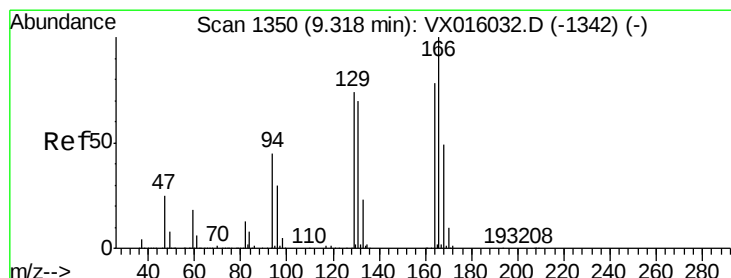
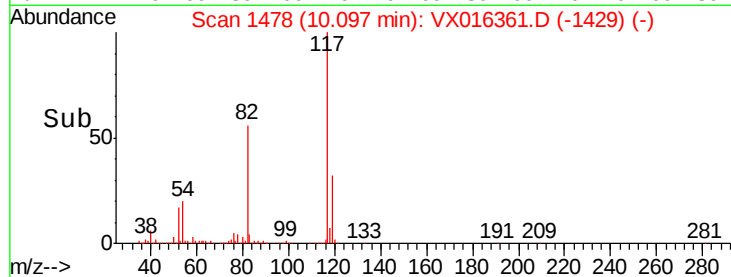
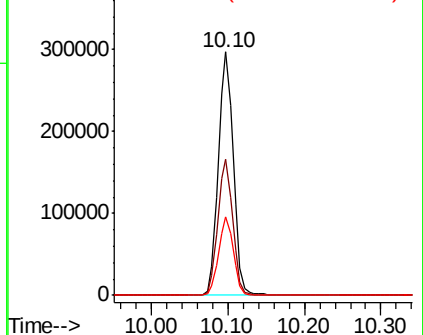
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016361.D
Acq: 20 May 2020 15:37

Instrument :
MSVOA_X
ClientSampleId :
SS052MW718-200519

Tot Ion:117 Resp: 404030
Ion Ratio Lower Upper
117 100
82 55.9 44.4 66.6
119 32.4 25.5 38.3



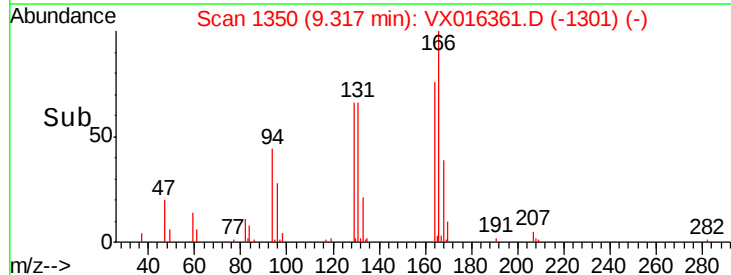
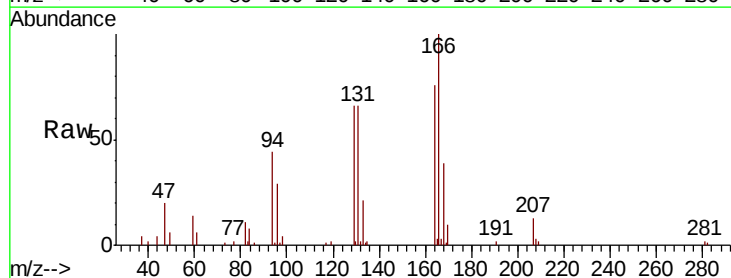
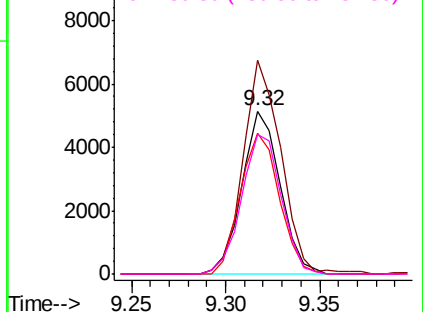
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

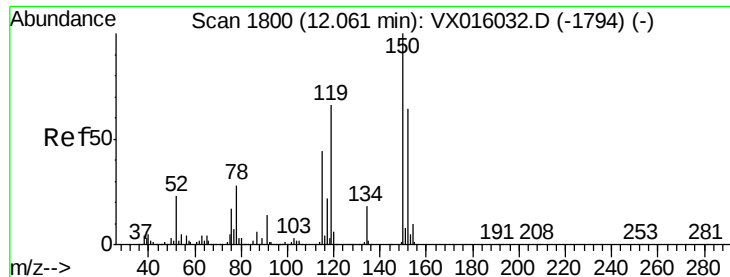


#64
Tetrachloroethene
Concen: 1.460 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016361.D
Acq: 20 May 2020 15:37

Tgt Ion:164 Resp: 7242
Ion Ratio Lower Upper
164 100
166 131.3 102.9 154.3
129 86.9 76.1 114.1
131 86.1 71.9 107.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW718-200519

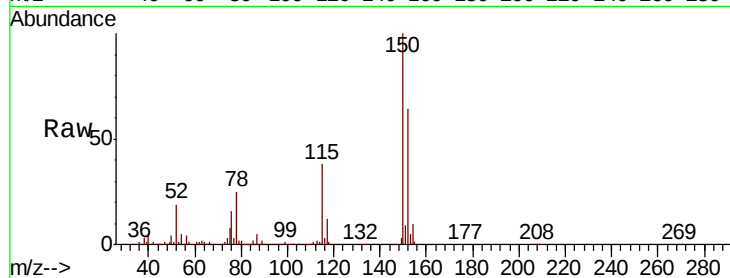
Tot Ion:152 Resp: 202535

Ion Ratio Lower Upper

152 100

115 58.1 41.3 124.1

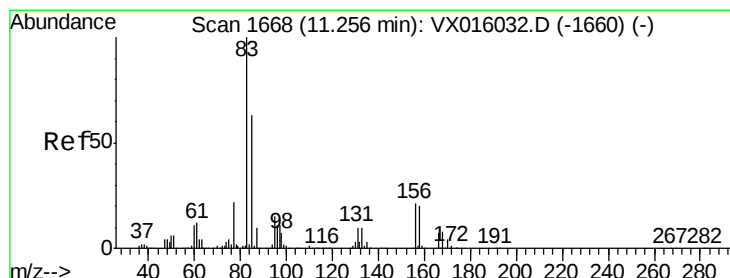
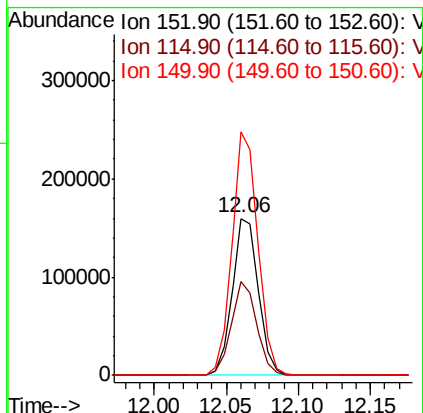
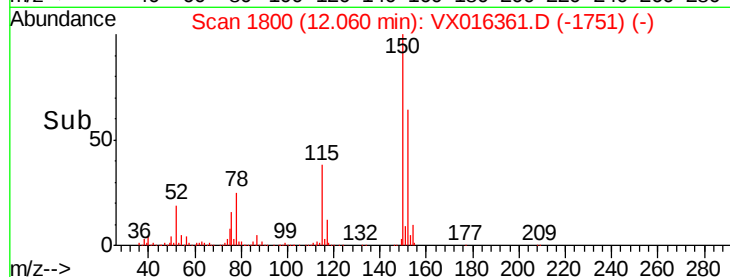
150 153.8 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.083 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

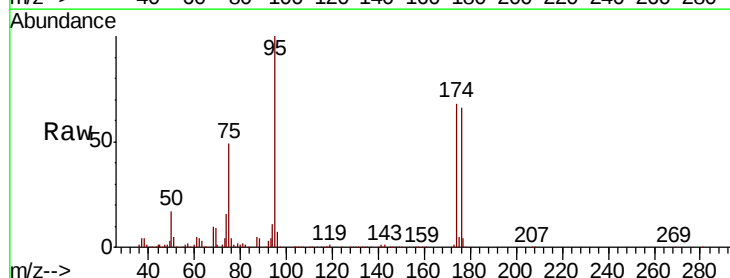
Tgt Ion: 83 Resp: 93

Ion Ratio Lower Upper

83 100

131 316.1 5.1 15.4#

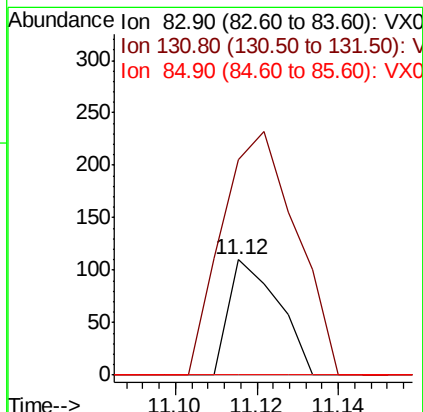
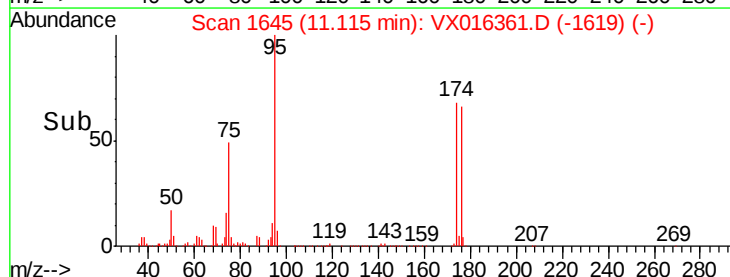
85 0.0 32.0 96.0#

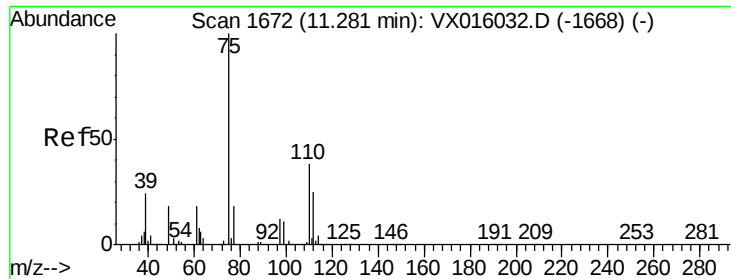


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.226 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

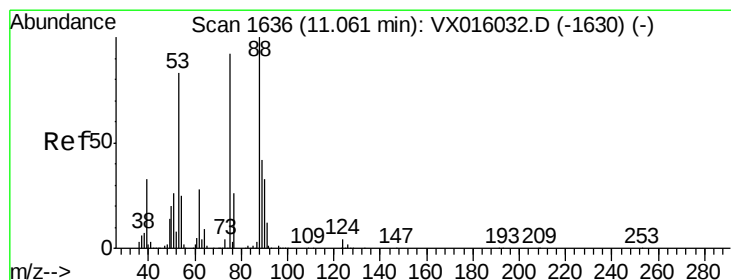
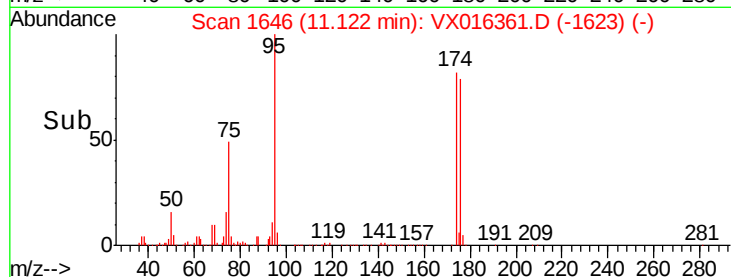
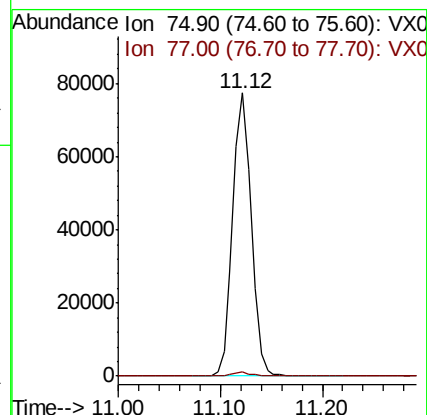
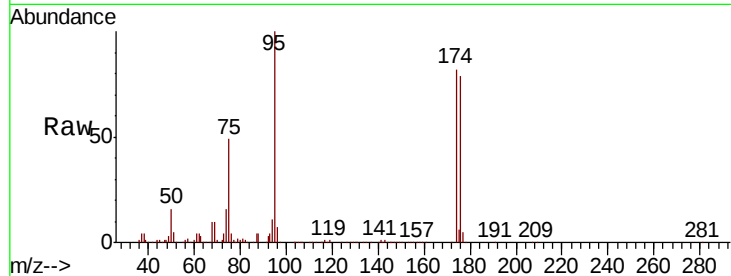
SS052MW718-200519

Tot Ion: 75 Resp: 97556

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.584 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016361.D

Acq: 20 May 2020 15:37

Tgt Ion: 75 Resp: 97556

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

