

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\
 Data File : VX016190.D
 Acq On : 13 May 2020 19:15
 Operator : JC/SP
 Sample : L2626-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-200512

Quant Time: May 14 04:33:46 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	265169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	445826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224131	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	168200	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	5.47	113	134036	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
50) Toluene-d8	8.70	98	551057	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.12	95	219521	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	

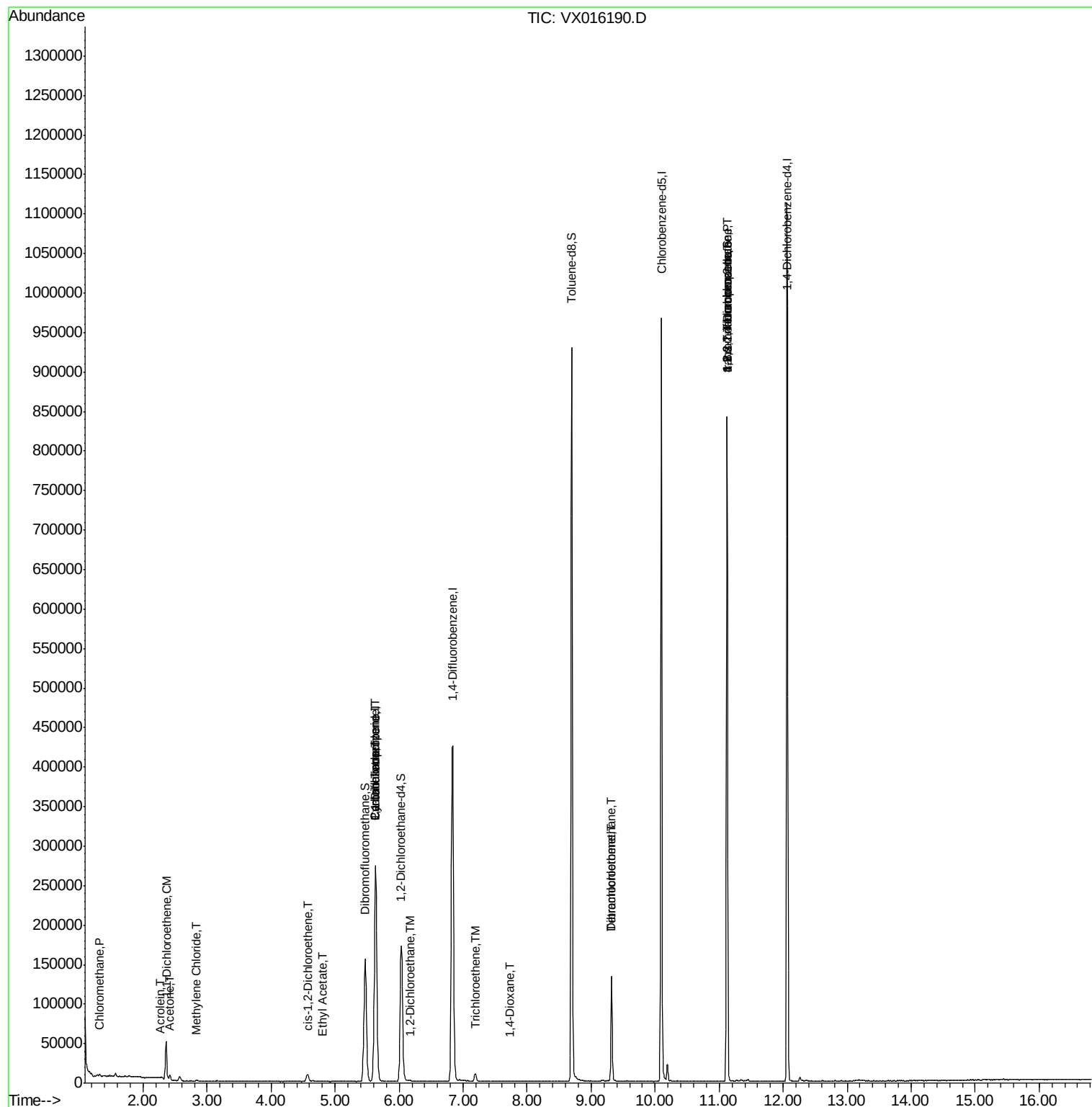
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1204	0.369	ug/l	96
12) 1,1-Dichloroethene	2.36	96	16467	5.974	ug/l	95
13) Acrolein	2.27	56	283	0.513	ug/l #	1
16) Acetone	2.42	43	6913	4.440	ug/l	93
17) Carbon Disulfide	2.55	76	1168	Below Cal		98
20) Methylene Chloride	2.83	84	654	0.204	ug/l #	74
27) cis-1,2-Dichloroethene	4.56	96	6395	1.904	ug/l	79
31) Cyclohexane	5.64	56	5056	1.043	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19909	4.537	ug/l #	49
37) Ethyl Acetate	4.80	43	1210	0.238	ug/l #	74
38) Carbon Tetrachloride	5.63	117	25806	5.785	ug/l #	13
42) 1,2-Dichloroethane	6.17	62	1108	0.240	ug/l	78
44) Trichloroethene	7.19	130	3624	0.794	ug/l	99
49) 1,4-Dioxane	7.73	88	298	3.231	ug/l #	56
60) Dibromochloromethane	9.32	129	24038	6.931	ug/l #	11
64) Tetrachloroethene	9.32	164	26289	4.879	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.12	83	209	2.118	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	109993	21.626	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	109993	51.537	ug/l #	13

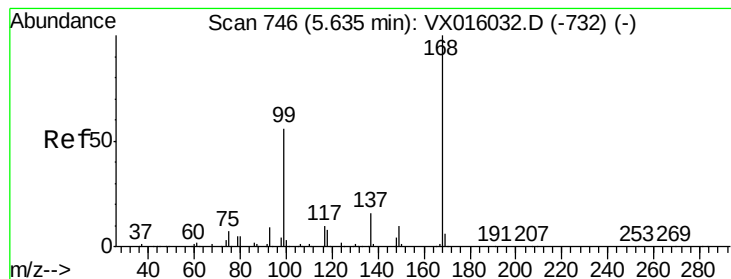
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

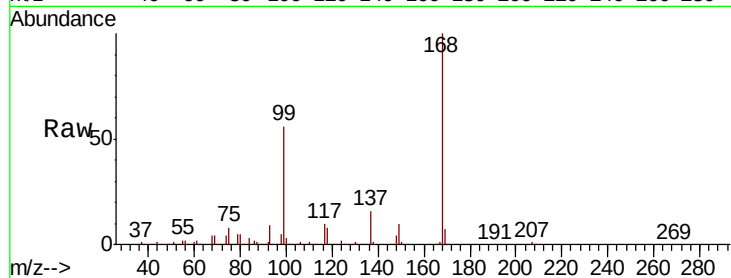
SS052MW733-200512

Tot Ion:168 Resp: 265169

Ion Ratio Lower Upper

168 100

99 56.2 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

100000

80000

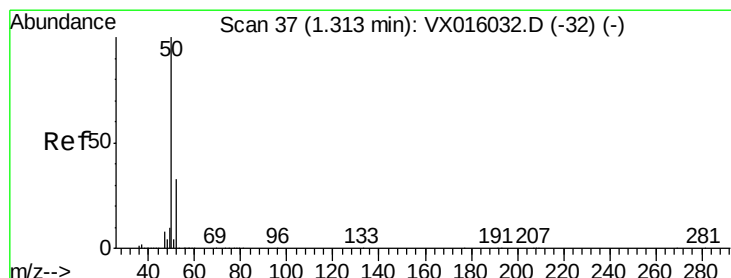
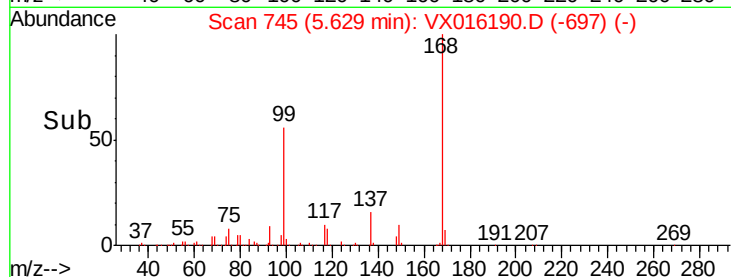
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.369 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016190.D

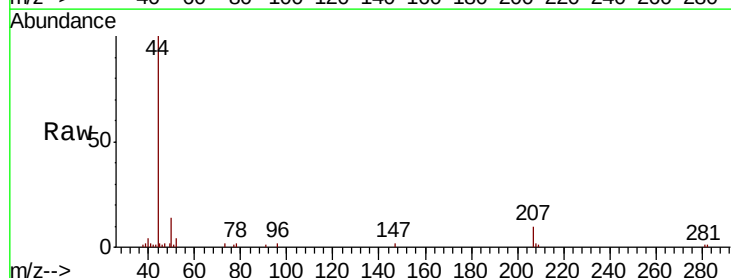
Acq: 13 May 2020 19:15

Tgt Ion: 50 Resp: 1204

Ion Ratio Lower Upper

50 100

52 30.5 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

1000

800

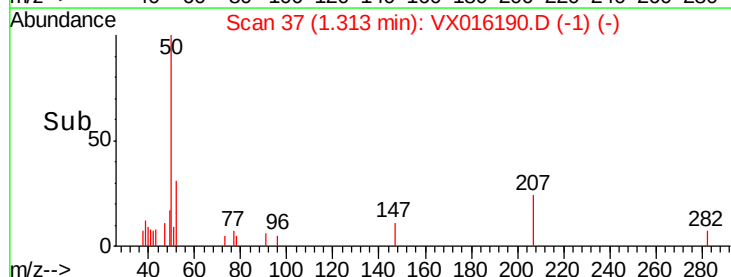
600

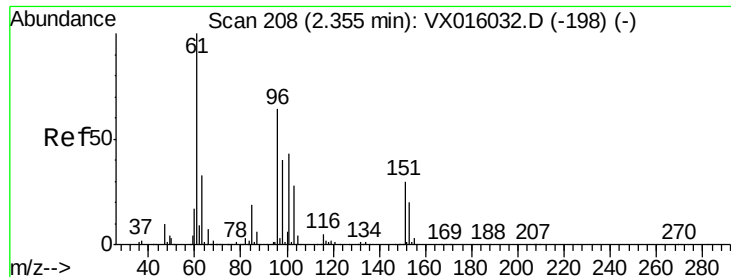
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.974 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-200512

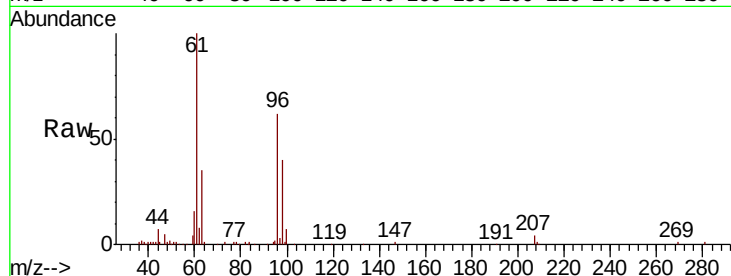
Tot Ion: 96 Resp: 16467

Ion Ratio Lower Upper

96 100

61 163.6 124.8 187.2

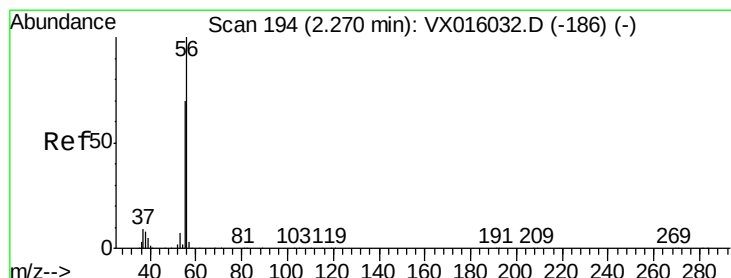
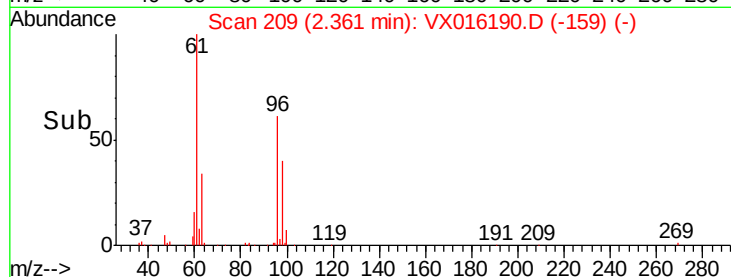
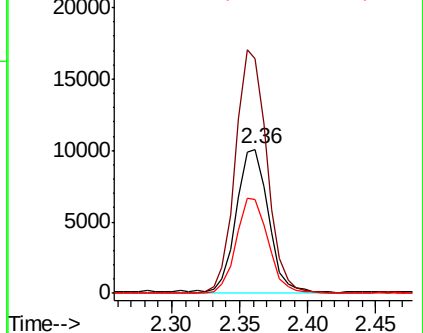
98 65.7 49.7 74.5



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: 0.513 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016190.D

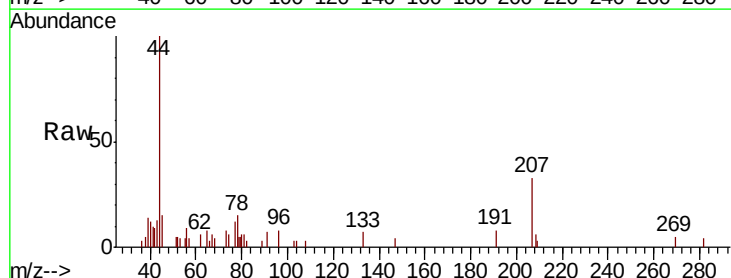
Acq: 13 May 2020 19:15

Tgt Ion: 56 Resp: 283

Ion Ratio Lower Upper

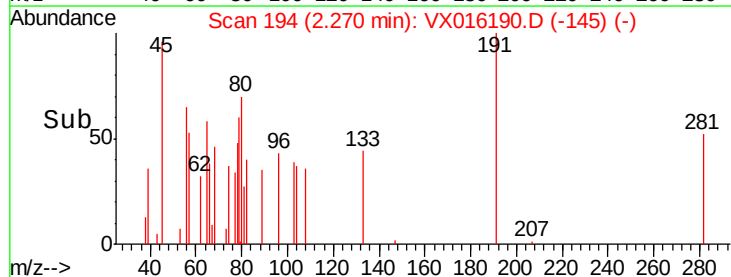
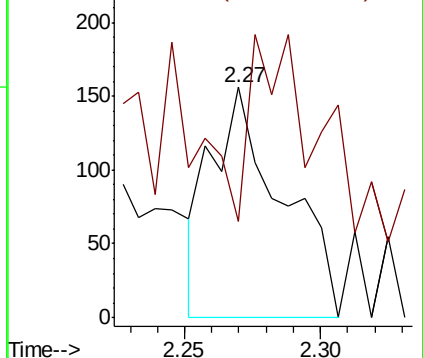
56 100

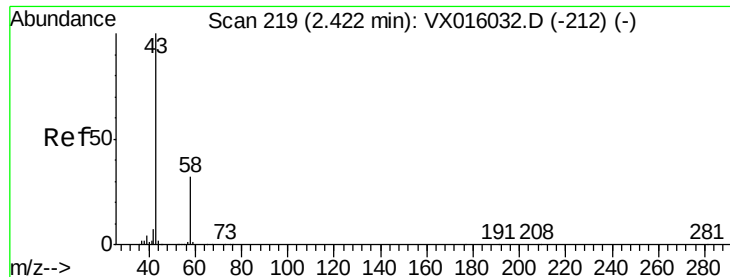
55 164.3 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.440 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

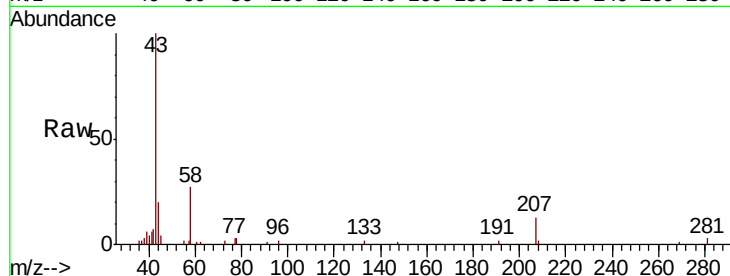
SS052MW733-200512

Tot Ion: 43 Resp: 6913

Ion Ratio Lower Upper

43 100

58 27.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

5000

4000

3000

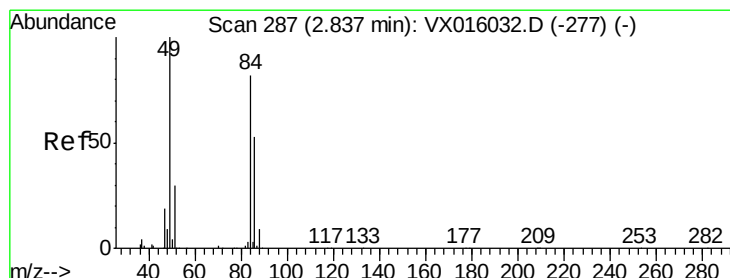
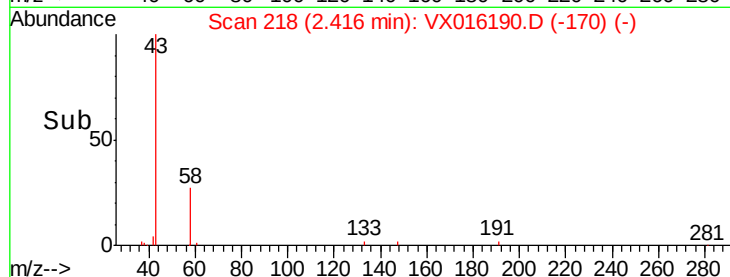
2000

1000

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Tgt Ion: 84 Resp: 654

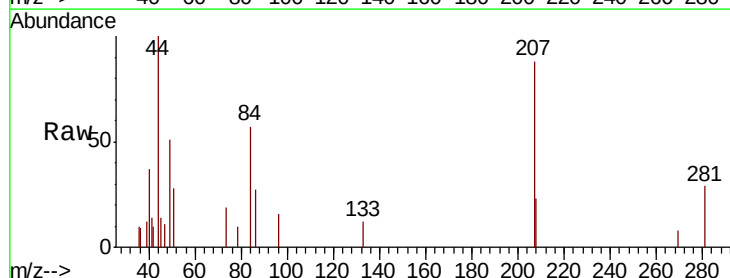
Ion Ratio Lower Upper

84 100

49 89.2 97.3 145.9#

51 49.5 29.3 43.9#

86 47.1 51.3 76.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

600

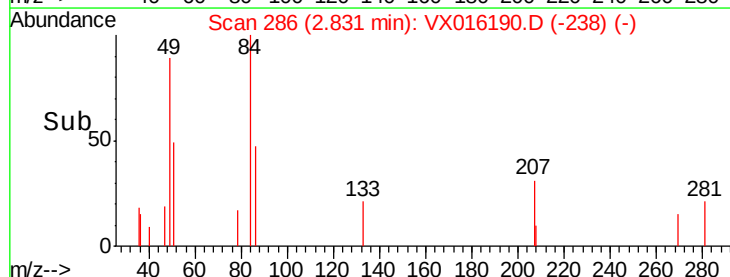
400

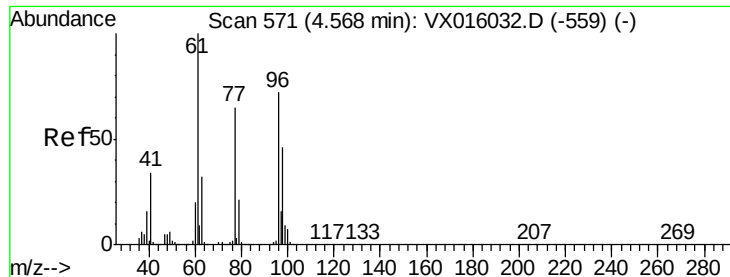
200

0

Time-->

2.80 2.85 2.90



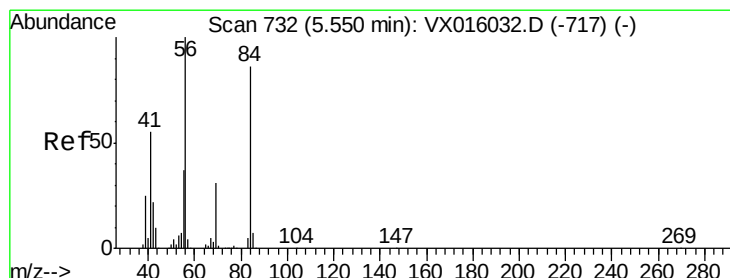
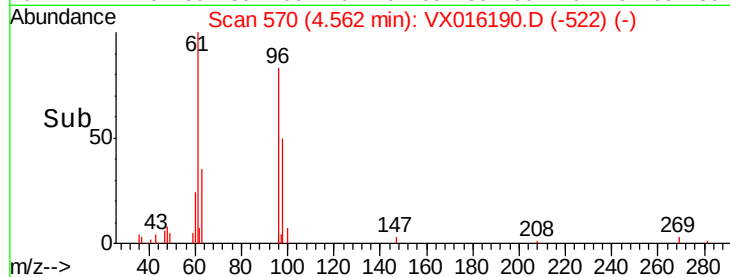
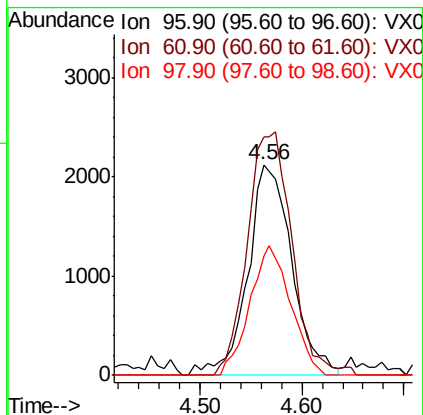
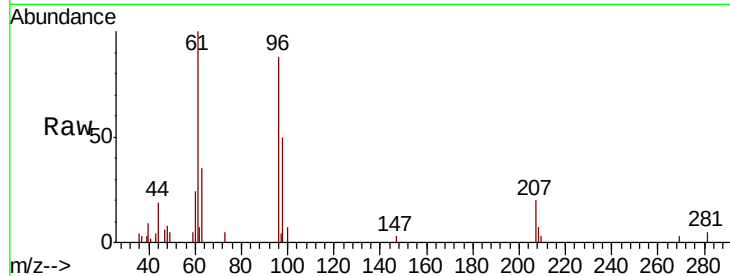


#27

cis-1,2-Dichloroethene
 Concen: 1.904 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX016190.D
 Acq: 13 May 2020 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-200512

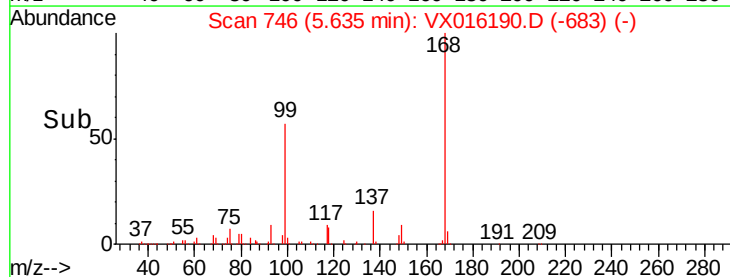
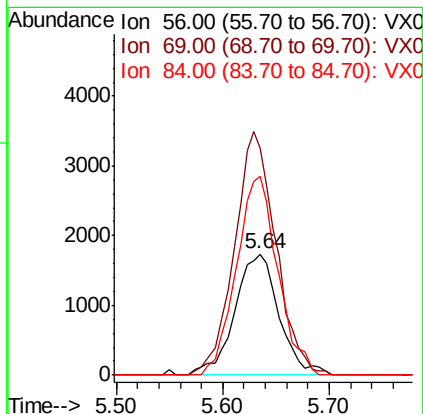
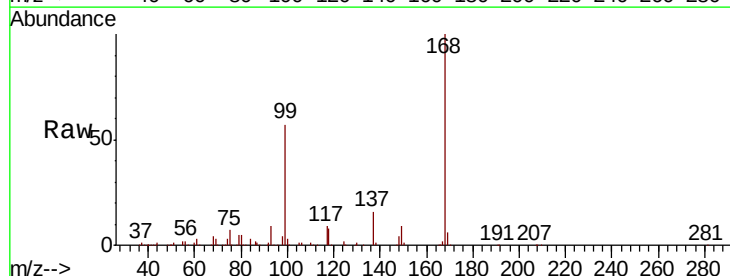
Tot Ion	Ratio	Lower	Upper
96	100		
61	116.3	0.0	296.2
98	56.6	0.0	129.4

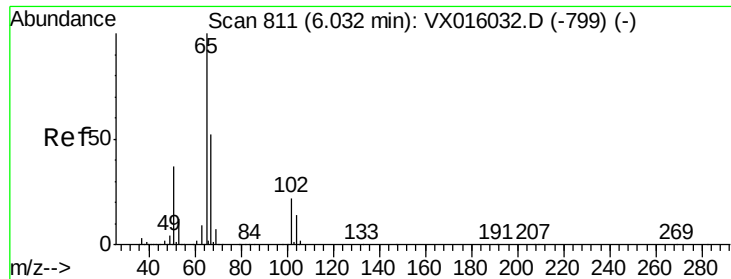


#31

Cyclohexane
 Concen: 1.043 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. 0.09 min
 Lab File: VX016190.D
 Acq: 13 May 2020 19:15

Tgt Ion	Ratio	Lower	Upper
56	100		
69	187.8	25.0	37.6#
84	164.5	69.0	103.6#

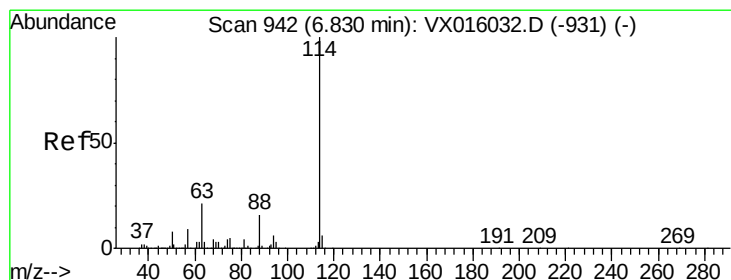
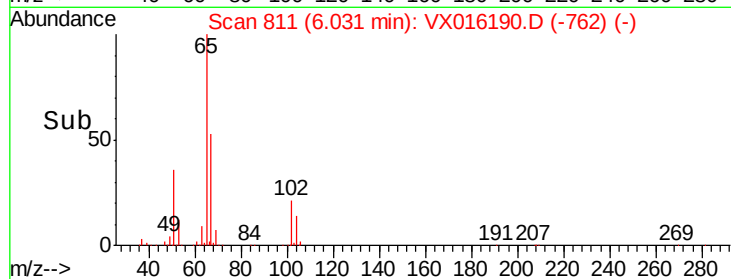
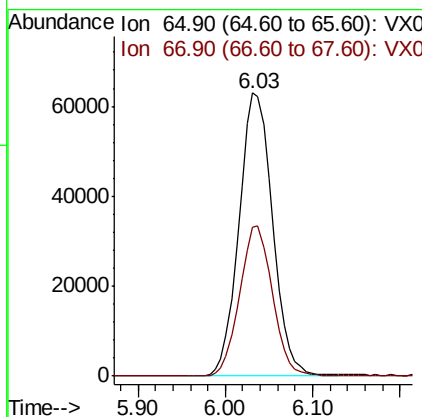
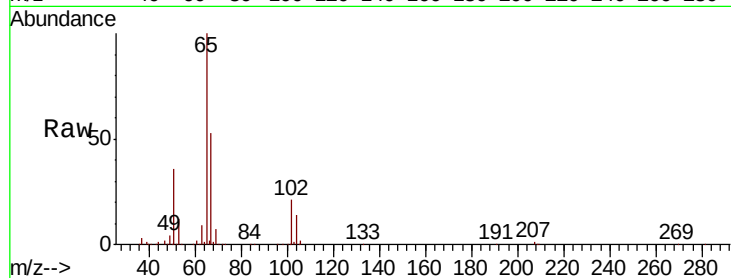




#33
 1,2-Dichloroethane-d4
 Concen: 48.204 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016190.D
 Acq: 13 May 2020 19:15

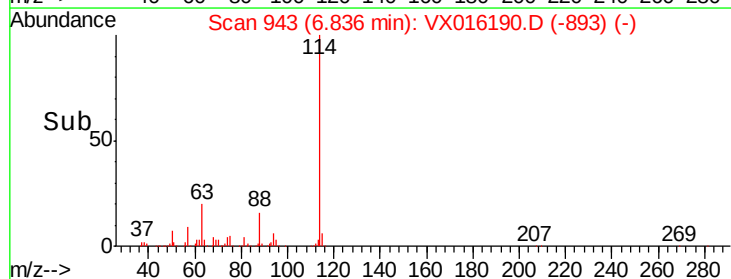
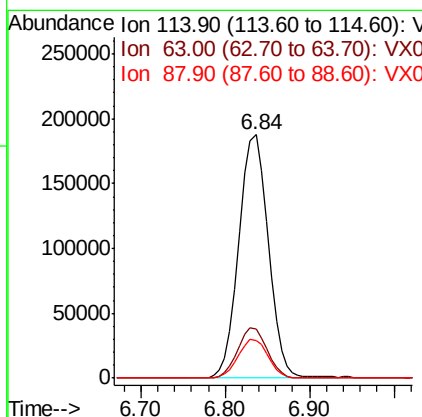
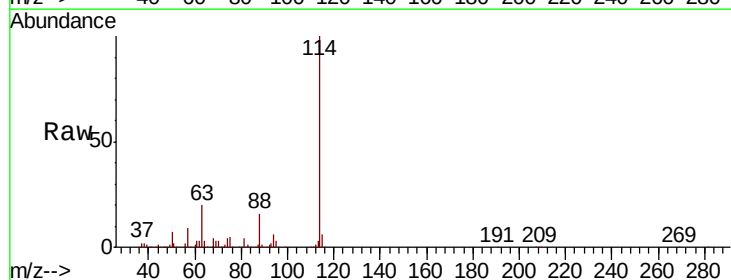
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW733-200512

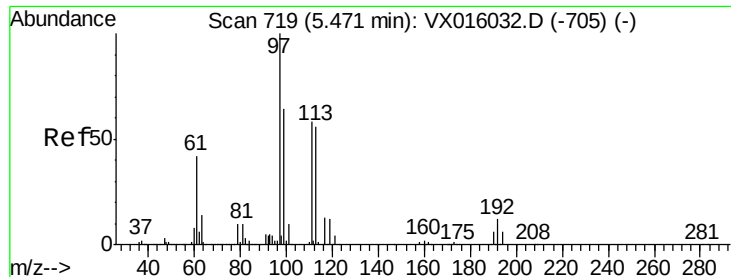
Tot Ion: 65 Resp: 168200
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016190.D
 Acq: 13 May 2020 19:15

Tgt Ion: 114 Resp: 445826
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.455 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-200512

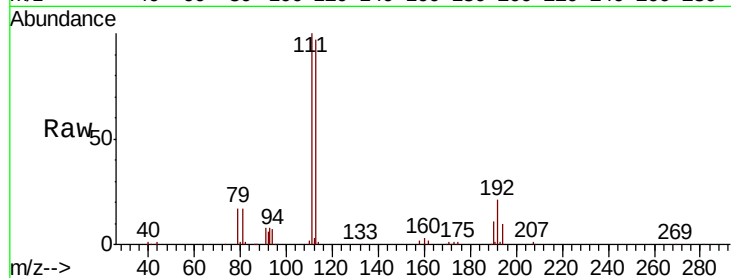
Tot Ion:113 Resp: 134036

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

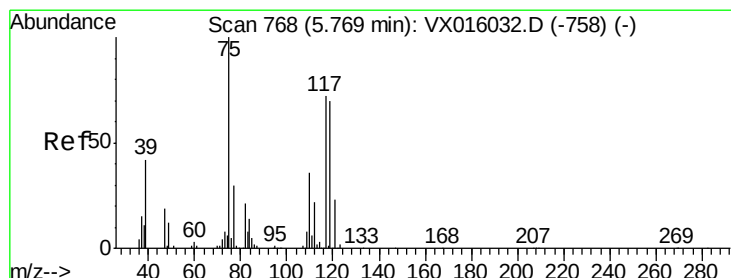
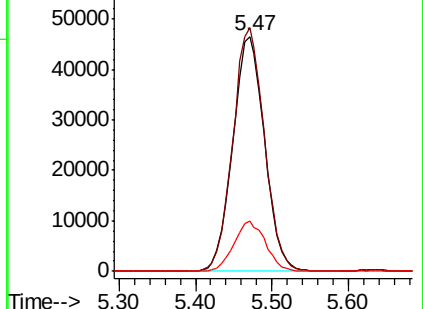
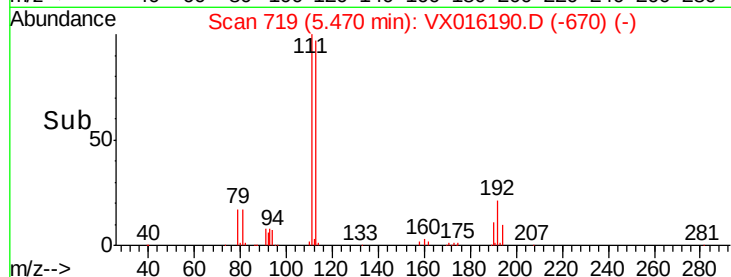
192 21.2 17.0 25.4



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: 4.537 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

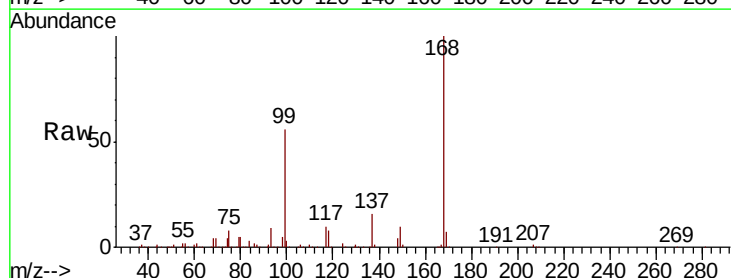
Tgt Ion: 75 Resp: 19909

Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.1#

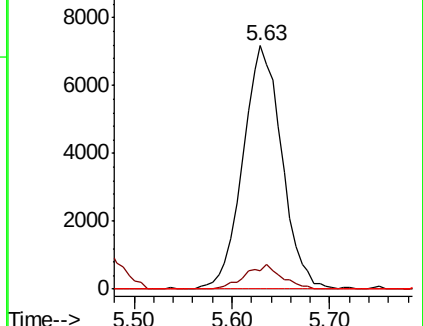
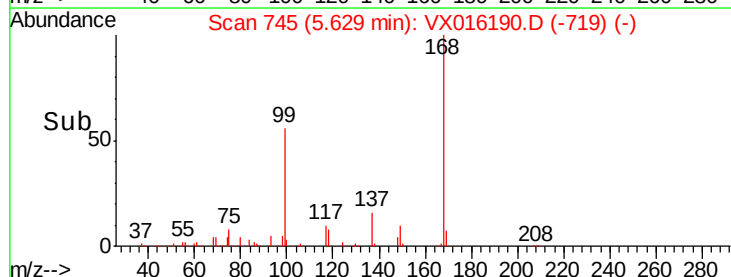
77 0.0 25.0 37.6#

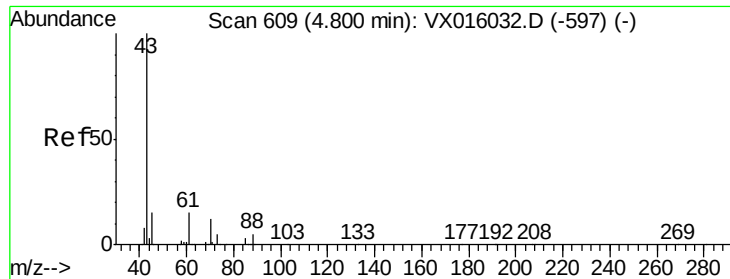


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

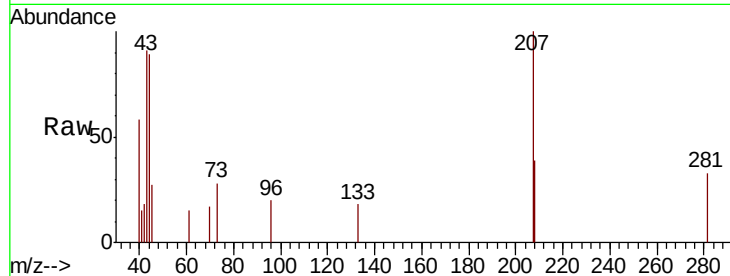




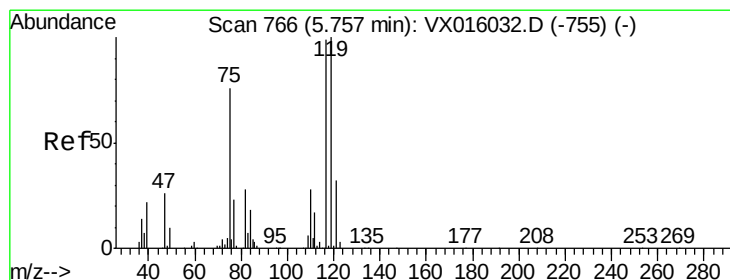
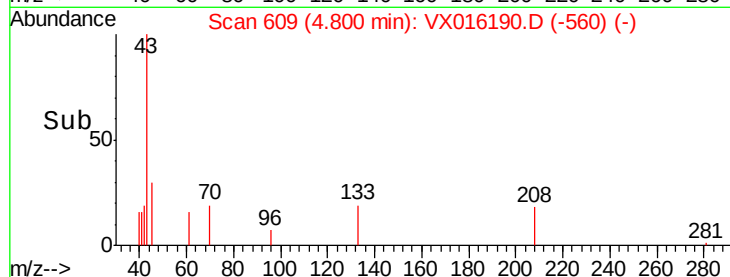
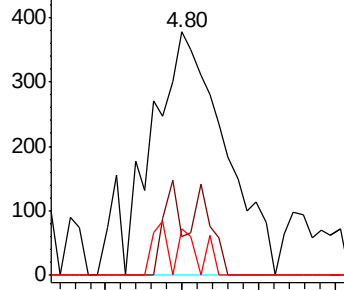
#37
Ethyl Acetate
Concen: 0.238 ug/l
RT: 4.80 min Scan# 609
Delta R.T. -0.00 min
Lab File: VX016190.D
Acq: 13 May 2020 19:15

Instrument :
MSVOA_X
ClientSampleId :
SS052MW733-200512

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	5.9	9.3	13.9#

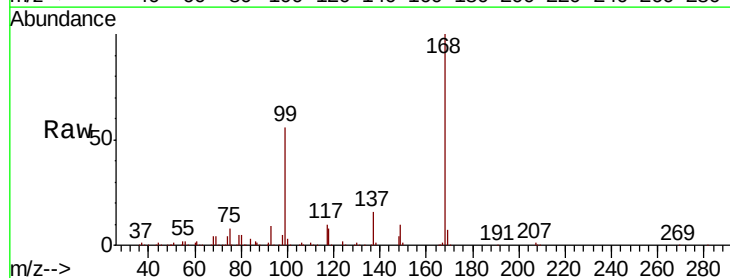


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

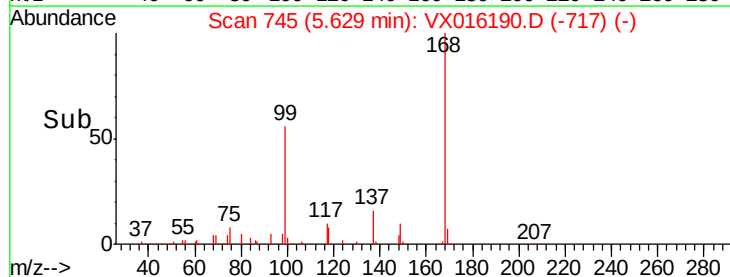
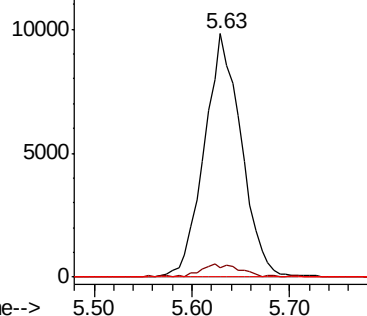


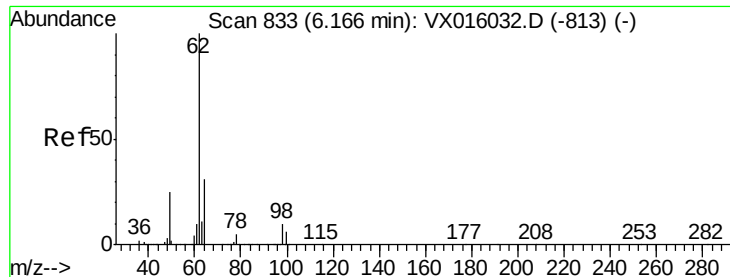
#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016190.D
Acq: 13 May 2020 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	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

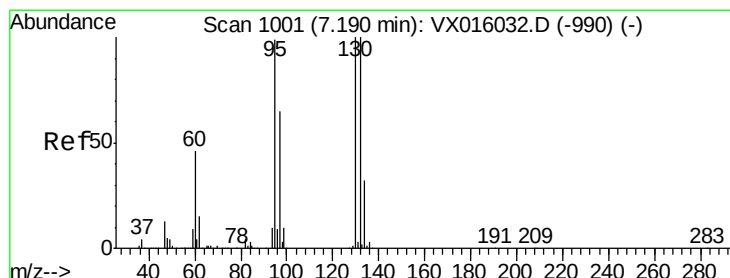
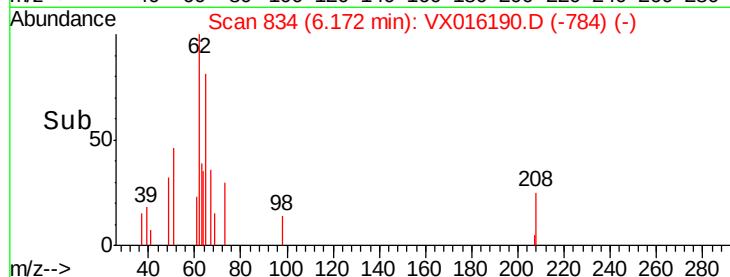
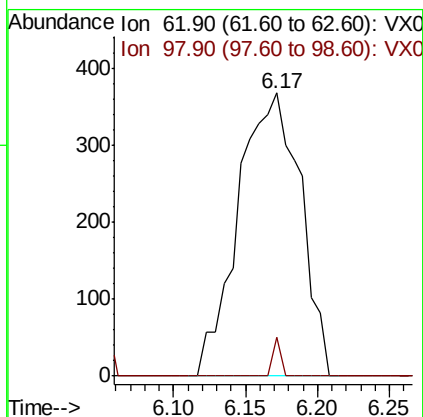
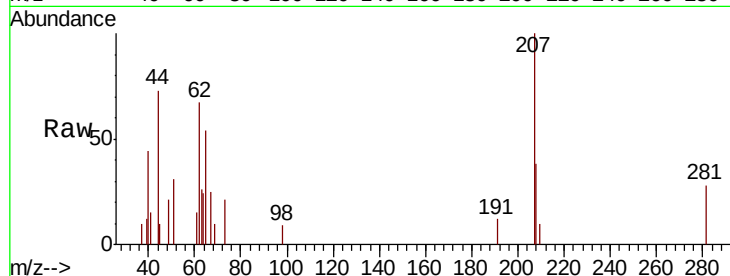




#42
1,2-Dichloroethane
Concen: 0.240 ug/l
RT: 6.17 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX016190.D
Acq: 13 May 2020 19:15

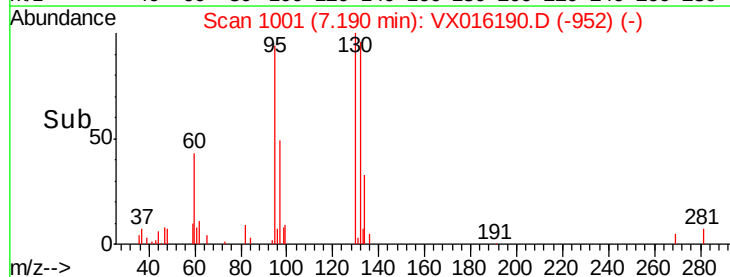
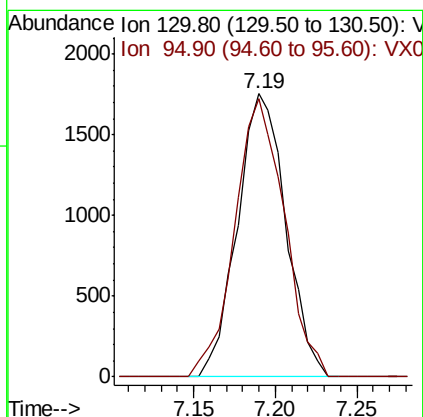
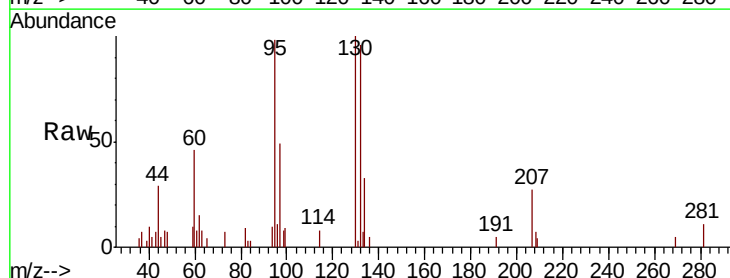
Instrument :
MSVOA_X
ClientSampleId :
SS052MW733-200512

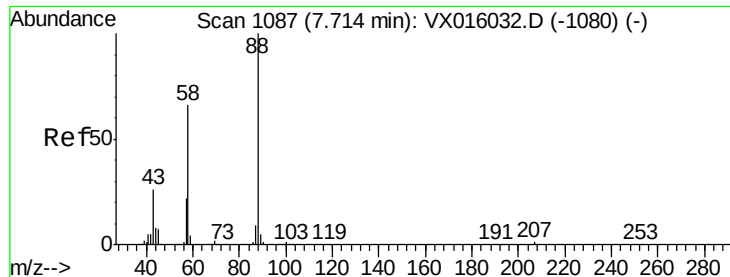
Tot Ion: 62 Resp: 1108
Ion Ratio Lower Upper
62 100
98 1.7 0.0 19.4



#44
Trichloroethene
Concen: 0.794 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016190.D
Acq: 13 May 2020 19:15

Tgt Ion:130 Resp: 3624
Ion Ratio Lower Upper
130 100
95 98.2 0.0 197.4





#49

1,4-Dioxane

Concen: 3.231 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-200512

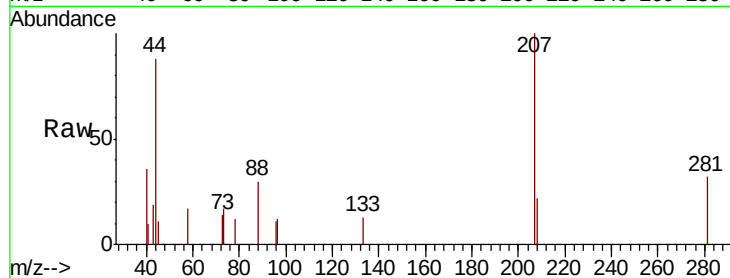
Tot Ion: 88 Resp: 298

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

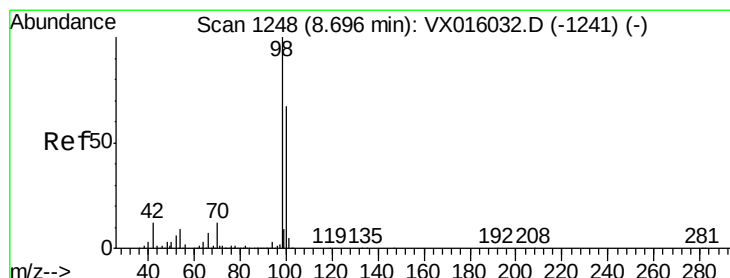
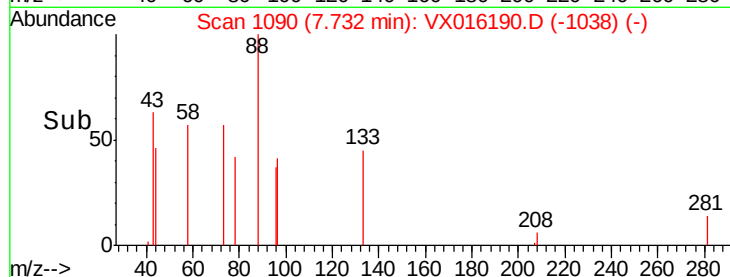
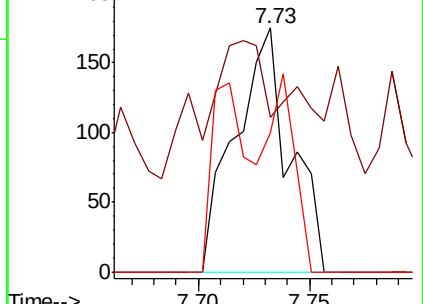
58 38.6 55.9 83.9#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.635 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016190.D

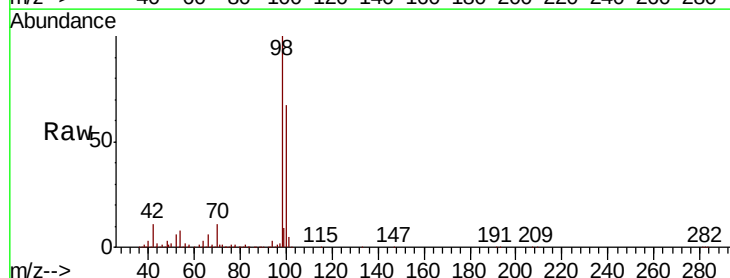
Acq: 13 May 2020 19:15

Tgt Ion: 98 Resp: 551057

Ion Ratio Lower Upper

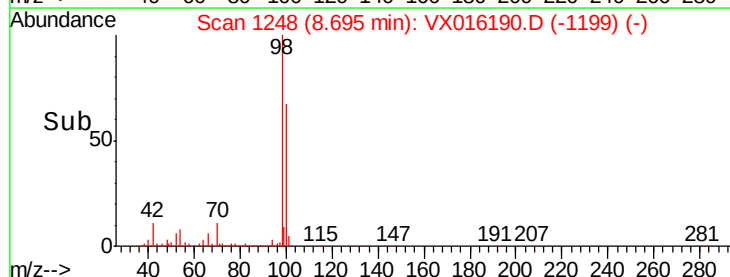
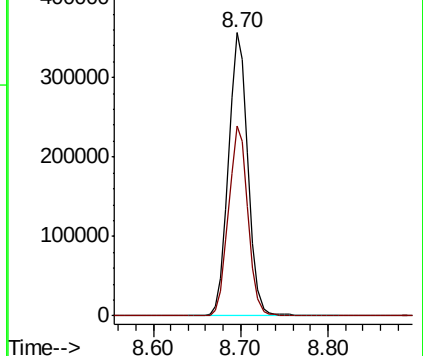
98 100

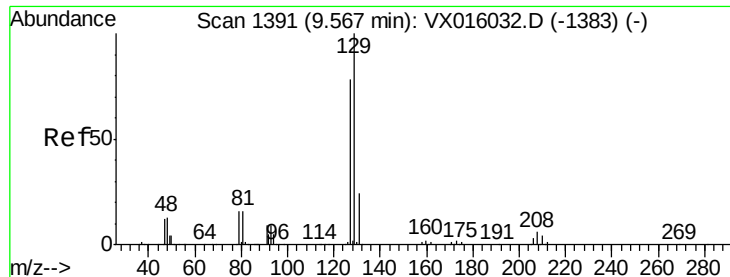
100 67.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 6.931 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

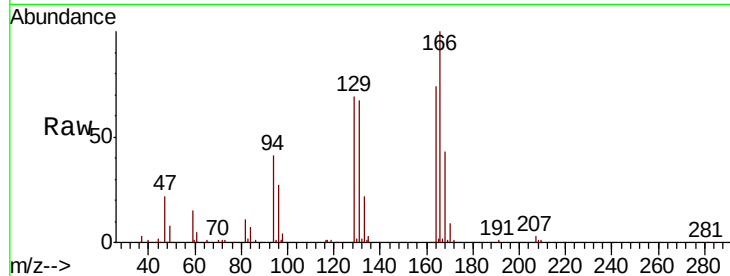
SS052MW733-200512

Tot Ion:129 Resp: 24038

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

15000

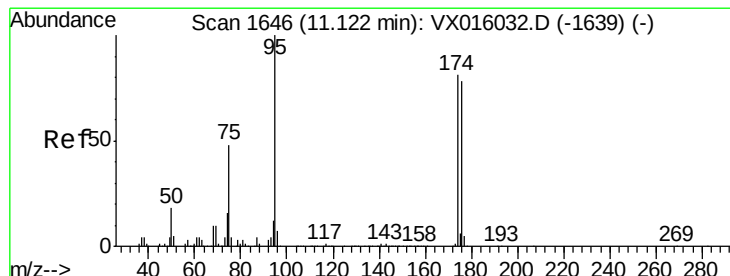
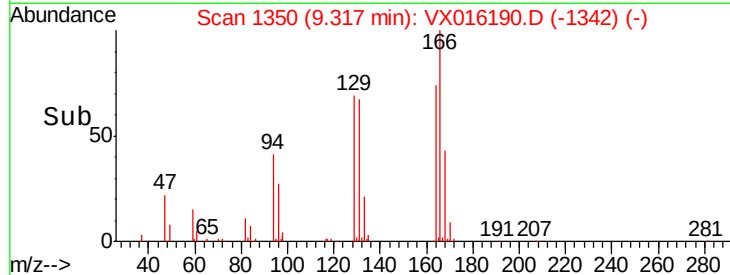
10000

5000

0

9.25 9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 53.032 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

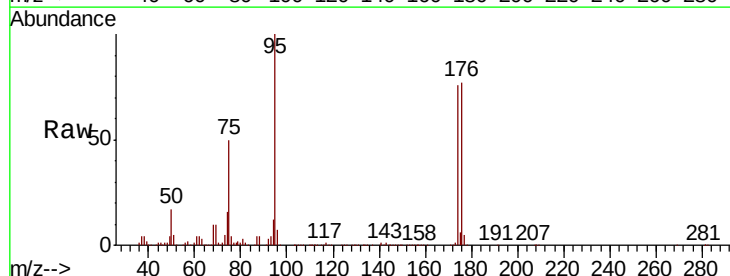
Tgt Ion: 95 Resp: 219521

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.4

176 78.6 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

250000

200000

150000

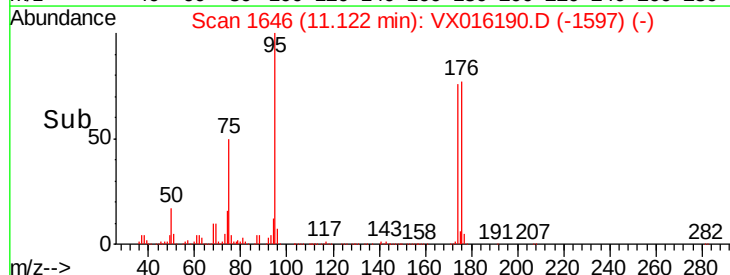
100000

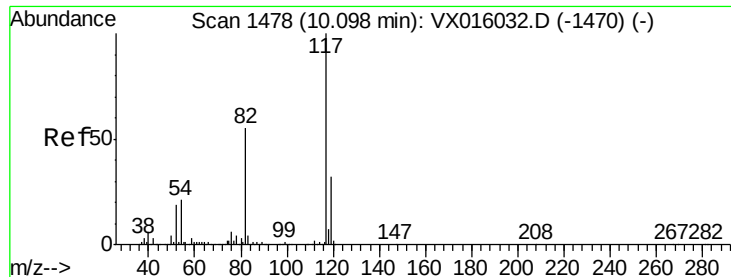
50000

0

11.10 11.12

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-200512

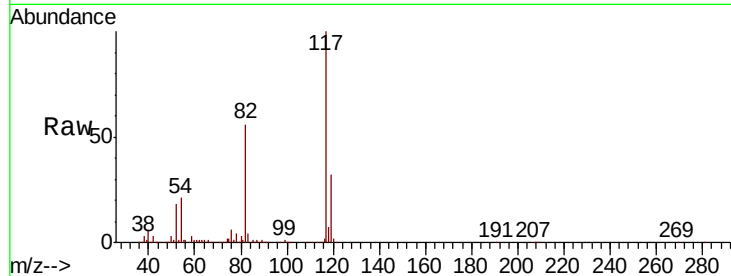
Tot Ion:117 Resp: 438945

Ion Ratio Lower Upper

117 100

82 55.8 44.4 66.6

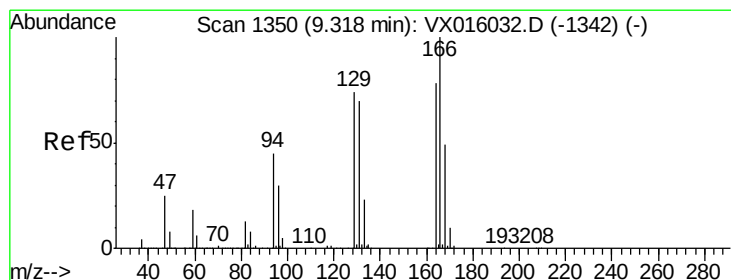
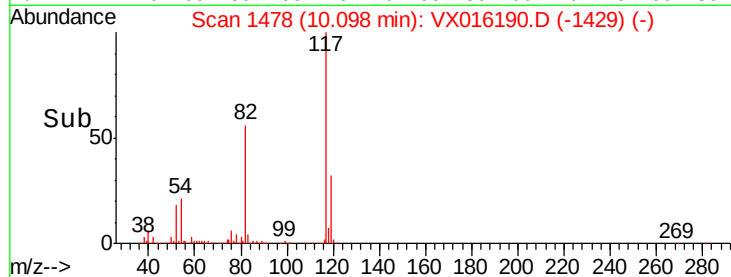
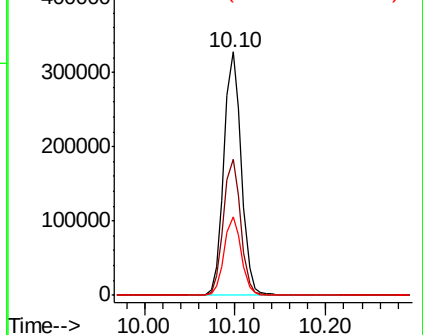
119 32.1 25.5 38.3



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: 4.879 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Tgt Ion:164 Resp: 26289

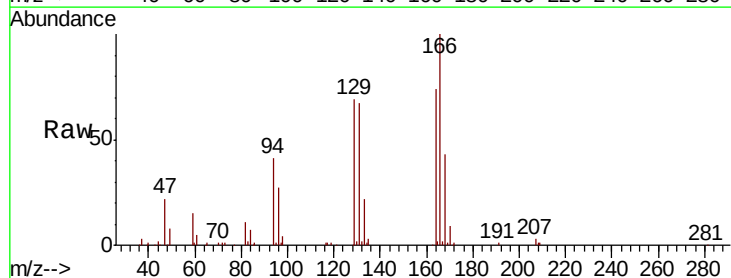
Ion Ratio Lower Upper

164 100

166 135.2 102.9 154.3

129 93.1 76.1 114.1

131 90.4 71.9 107.9

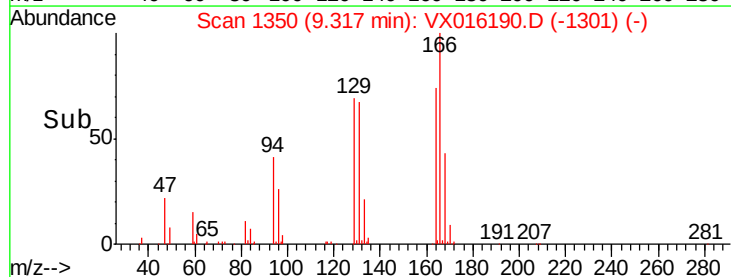
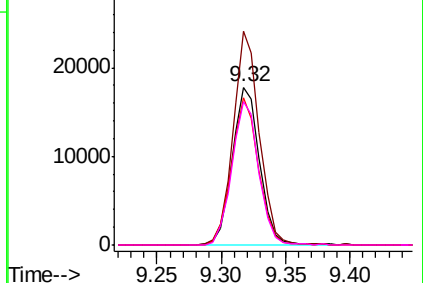


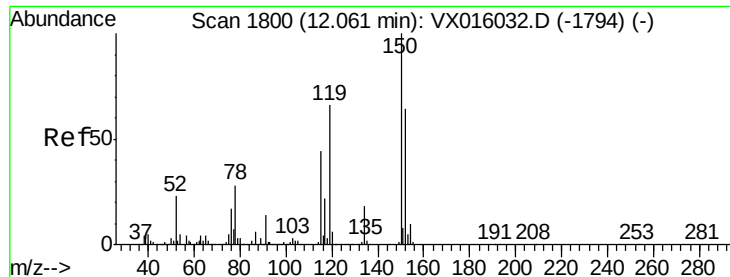
Abundance Ion 163.80 (163.50 to 164.50): V

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: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

SS052MW733-200512

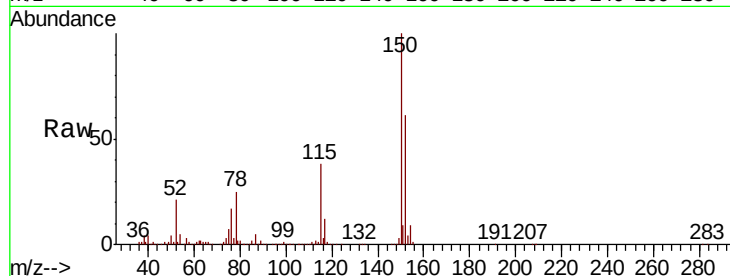
Tot Ion:152 Resp: 224131

Ion Ratio Lower Upper

152 100

115 58.7 41.3 124.1

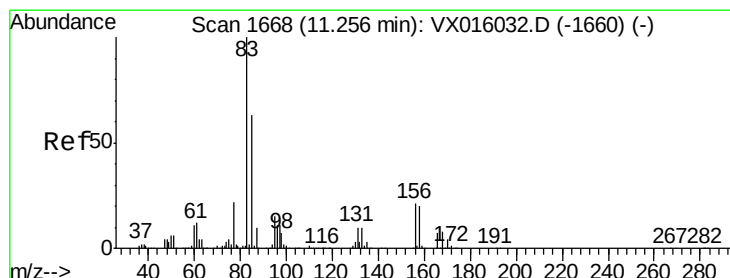
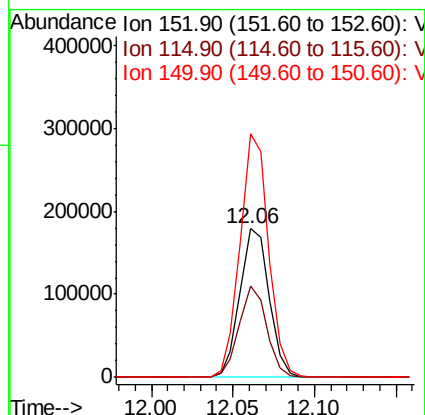
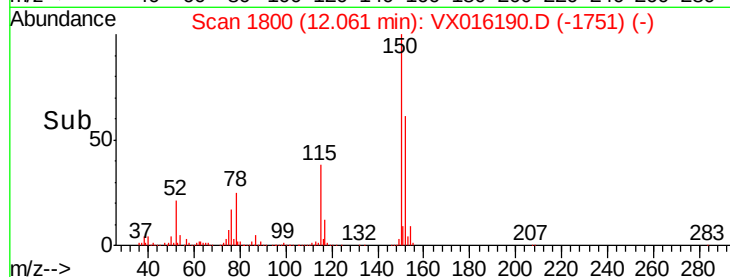
150 159.7 0.0 352.2



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: 2.118 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

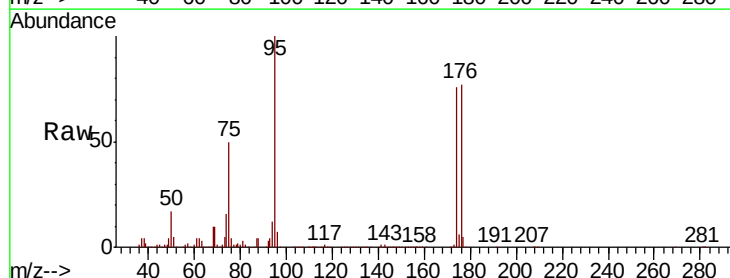
Tgt Ion: 83 Resp: 209

Ion Ratio Lower Upper

83 100

131 138.3 5.1 15.4#

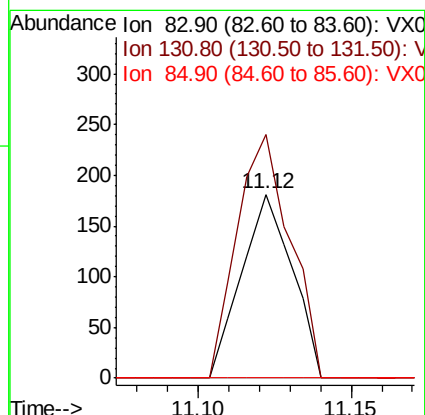
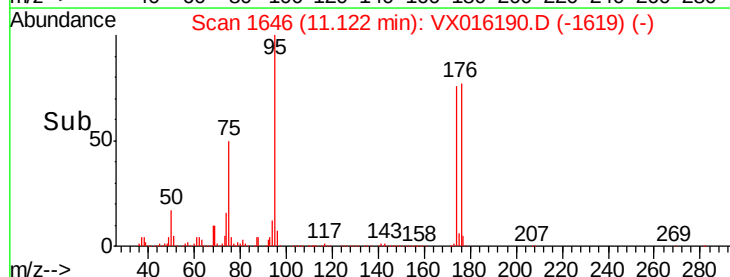
85 0.0 32.0 96.0#

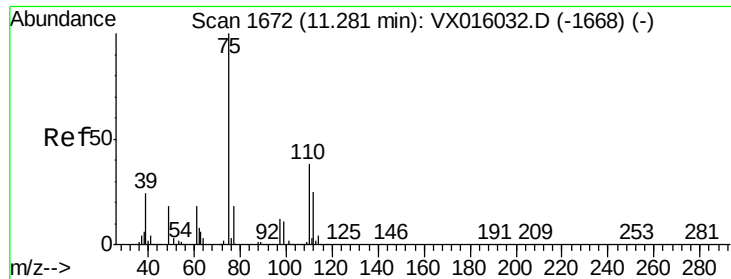


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.626 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

Instrument :

MSVOA_X

ClientSampleId :

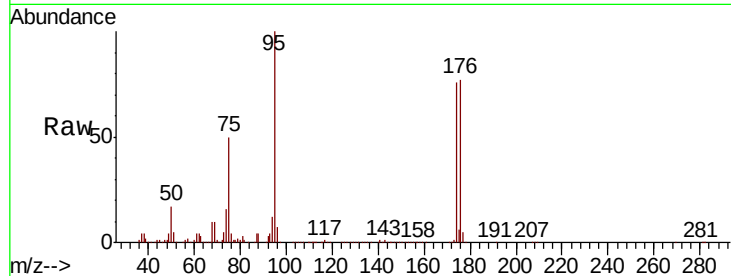
SS052MW733-200512

Tot Ion: 75 Resp: 109993

Ion Ratio Lower Upper

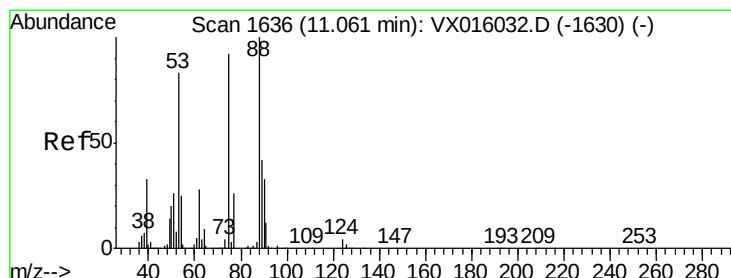
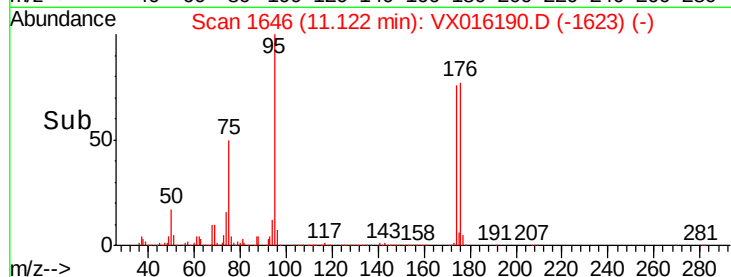
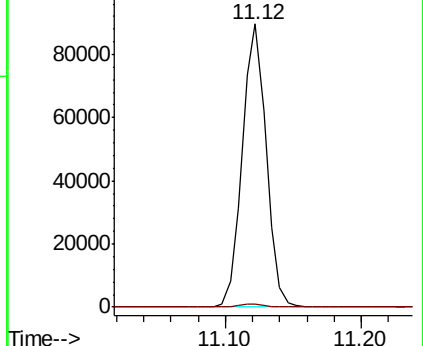
75 100

77 1.3 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 51.537 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016190.D

Acq: 13 May 2020 19:15

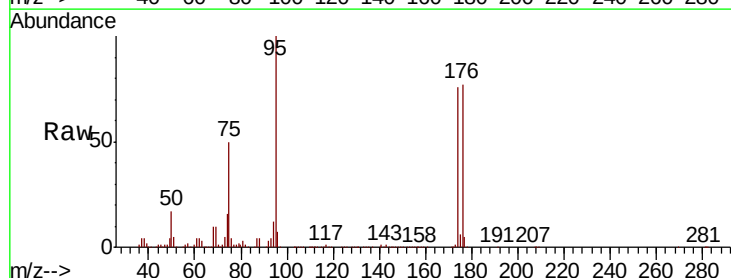
Tgt Ion: 75 Resp: 109993

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

