

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017033.D
 Acq On : 30 Jun 2020 10:25
 Operator : JC/SP
 Sample : VX0630WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL01

Quant Time: Jul 01 08:01:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	251682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	427678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	429136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208384	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	163161	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	5.46	113	142323	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	8.70	98	513288	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	203462	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	

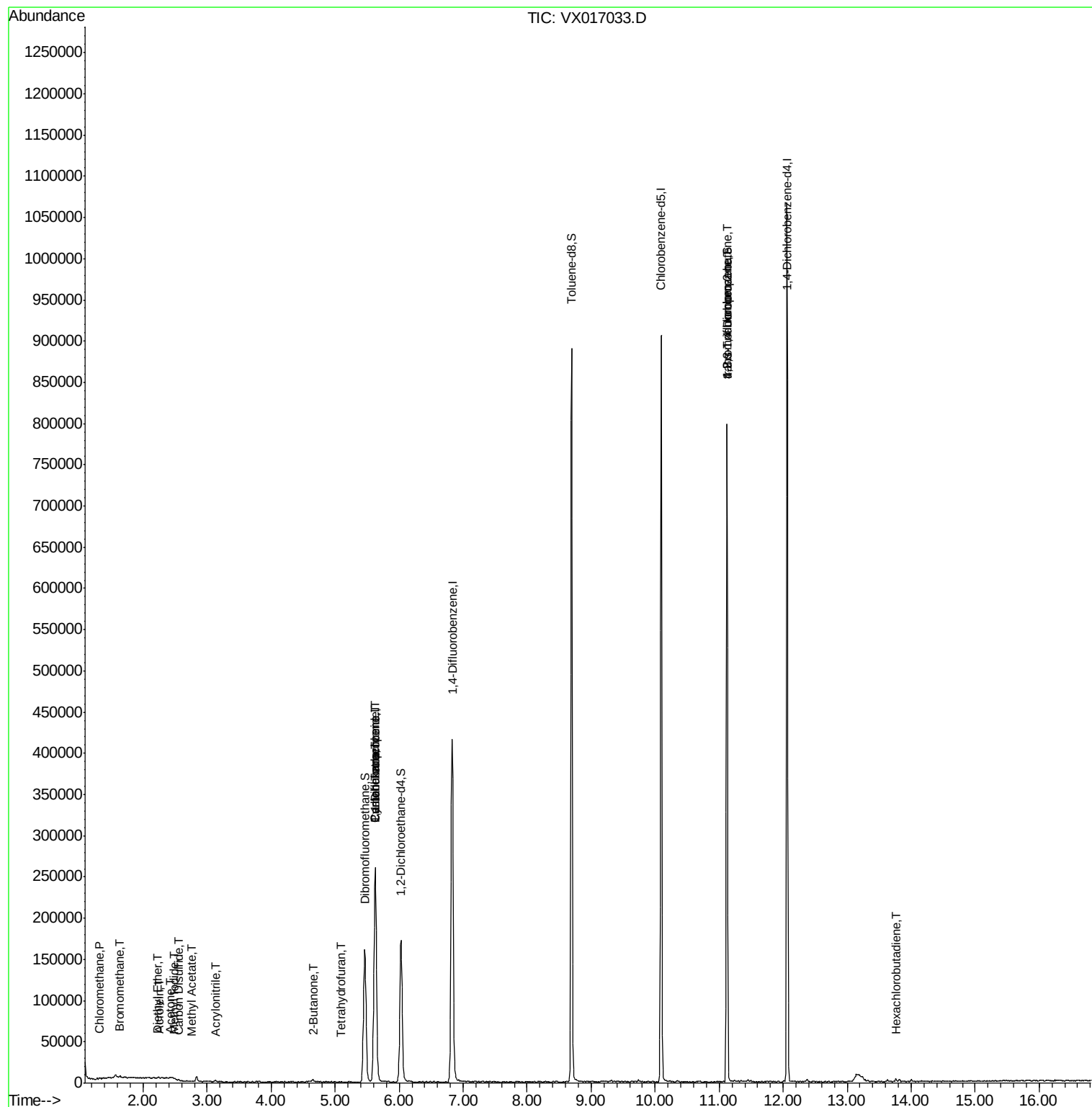
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1015	0.344	ug/l	98
5) Bromomethane	1.64	94	768	0.532	ug/l	94
8) Diethyl Ether	2.22	74	98	0.437	ug/l	59
10) Methyl Iodide	2.50	142	1677	0.536	ug/l	95
13) Acrolein	2.26	56	335	0.947	ug/l	87
15) Acrylonitrile	3.12	53	605	0.425	ug/l #	69
16) Acetone	2.42	43	457	0.394	ug/l	91
17) Carbon Disulfide	2.55	76	1947	0.303	ug/l #	91
18) Methyl Acetate	2.76	43	758	0.250	ug/l #	81
25) 2-Butanone	4.65	43	420	0.217	ug/l #	49
29) Tetrahydrofuran	5.09	42	389	0.304	ug/l #	42
31) Cyclohexane	5.62	56	4842	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	19343	4.785	ug/l #	51
38) Carbon Tetrachloride	5.62	117	24978	5.610	ug/l #	19
44) Trichloroethene	7.17	130	299	Below Cal		42
76) 1,2,3-Trichloropropane	11.12	75	101949	24.879	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101949	64.428	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	679	Below Cal		91
94) Hexachlorobutadiene	13.76	225	568	1.183	ug/l	93

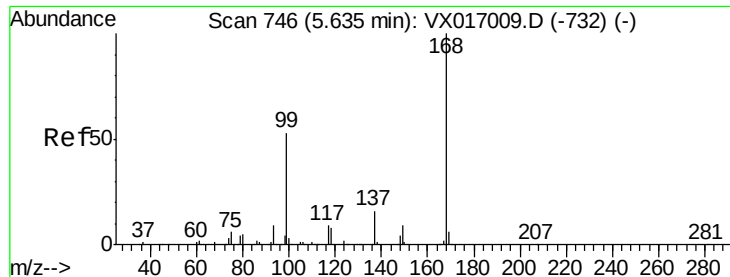
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063020\
Data File : VX017033.D
Acq On : 30 Jun 2020 10:25
Operator : JC/SP
Sample : VX0630WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0630WBL01

Quant Time: Jul 01 08:01:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 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: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

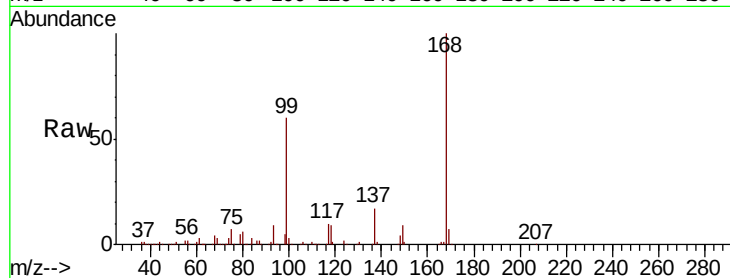
VX0630WBL01

Tot Ion:168 Resp: 251682

Ion Ratio Lower Upper

168 100

99 59.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

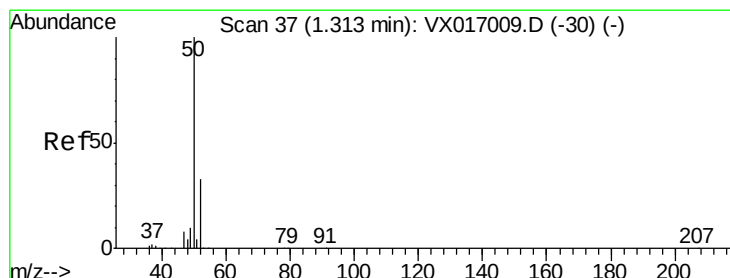
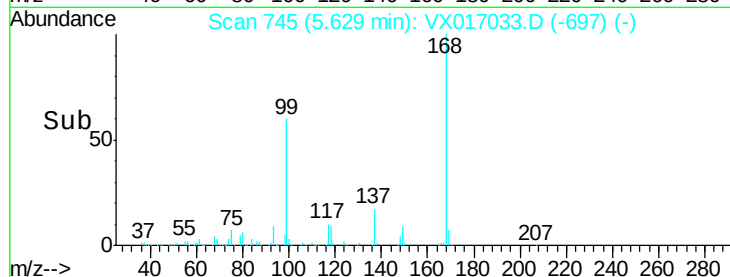
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.344 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017033.D

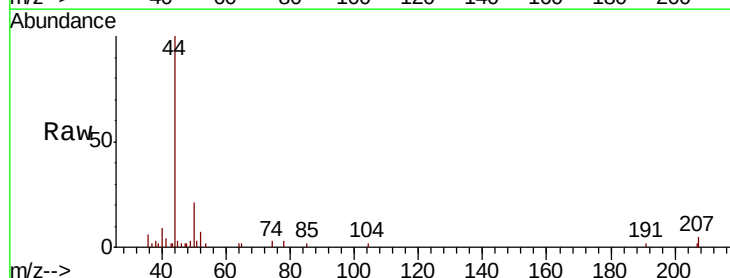
Acq: 30 Jun 2020 10:25

Tgt Ion: 50 Resp: 1015

Ion Ratio Lower Upper

50 100

52 31.3 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

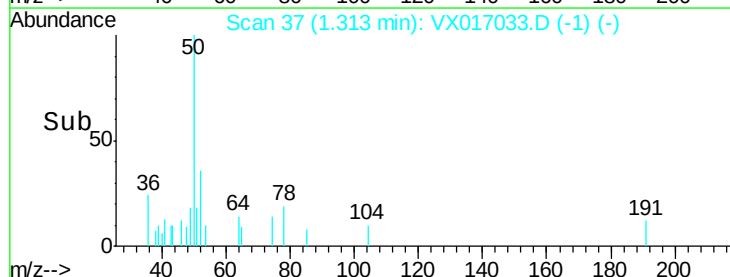
600

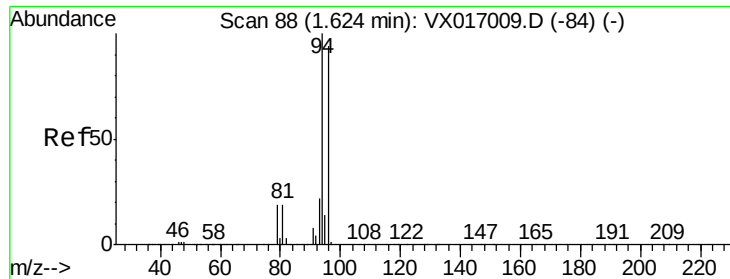
400

200

0

Time-->





#5

Bromomethane

Concen: 0.532 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampled :

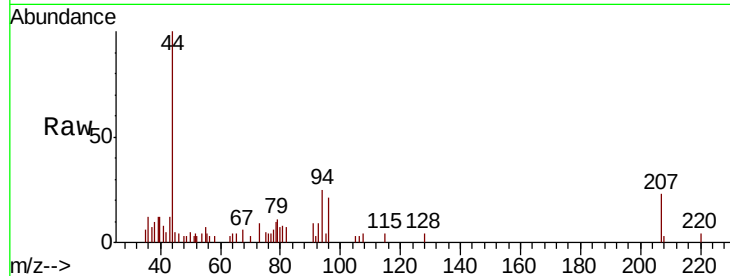
VX0630WBL01

Tot Ion: 94 Resp: 768

Ion Ratio Lower Upper

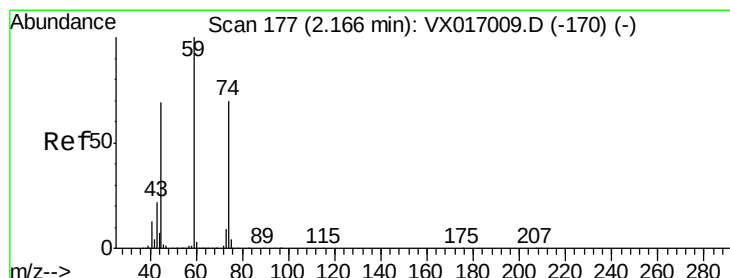
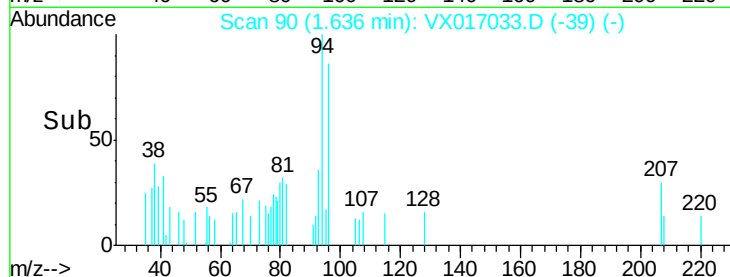
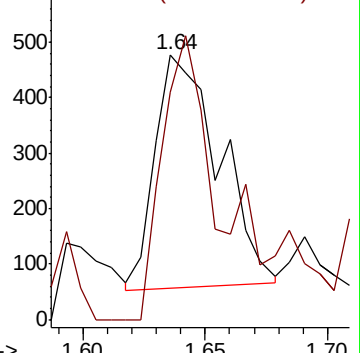
94 100

96 99.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.437 ug/l

RT: 2.22 min Scan# 186

Delta R.T. 0.06 min

Lab File: VX017033.D

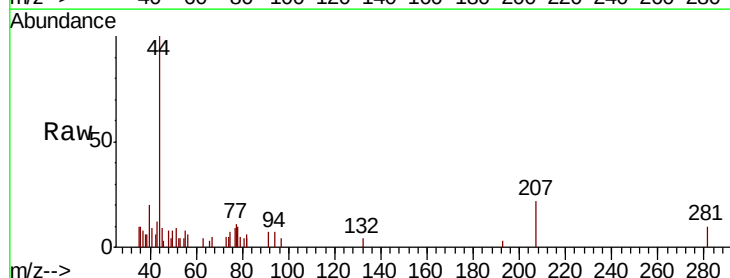
Acq: 30 Jun 2020 10:25

Tgt Ion: 74 Resp: 98

Ion Ratio Lower Upper

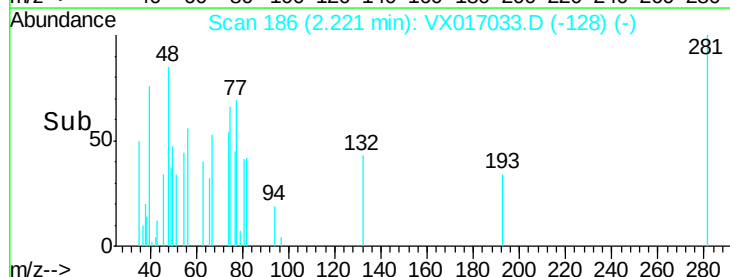
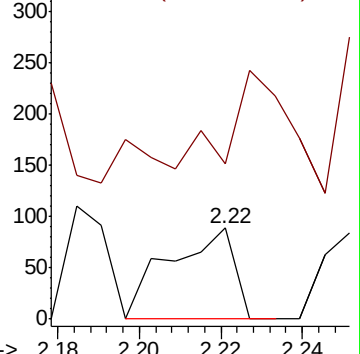
74 100

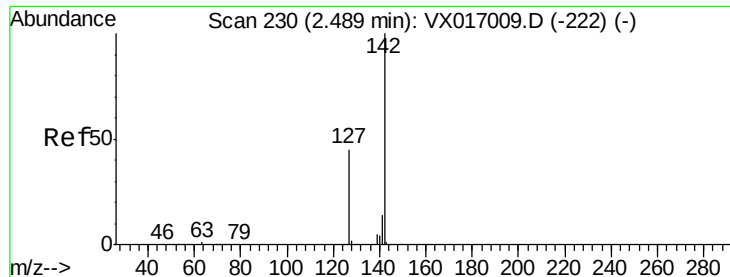
45 140.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

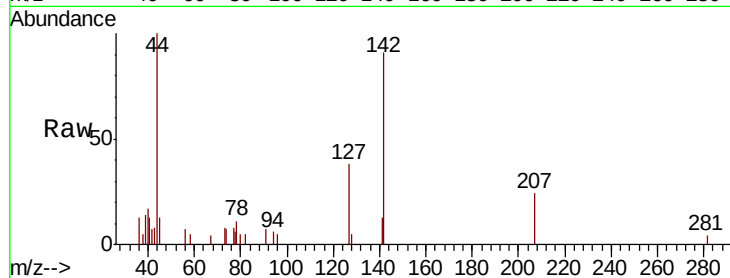




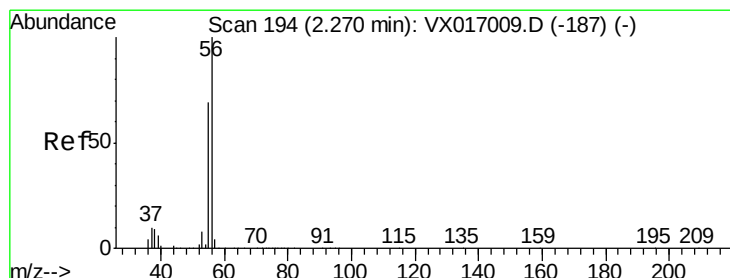
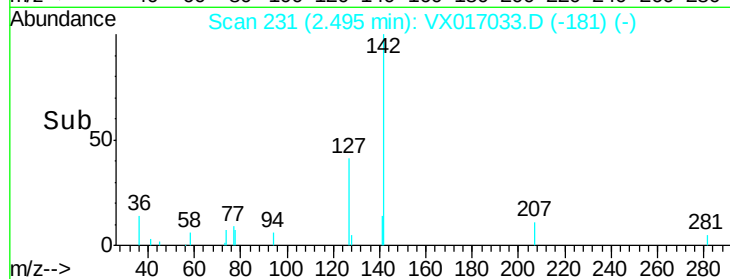
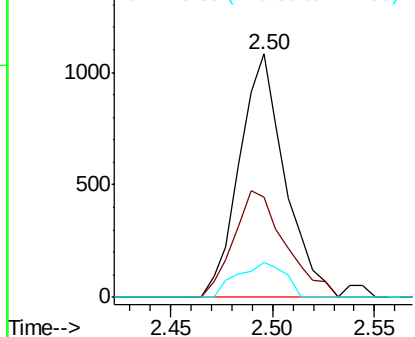
#10
Methyl Iodide
Concen: 0.536 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017033.D
Acq: 30 Jun 2020 10:25

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL01

Tot Ion:142 Resp: 1677
Ion Ratio Lower Upper
142 100
127 49.7 36.6 54.8
141 14.8 11.6 17.4

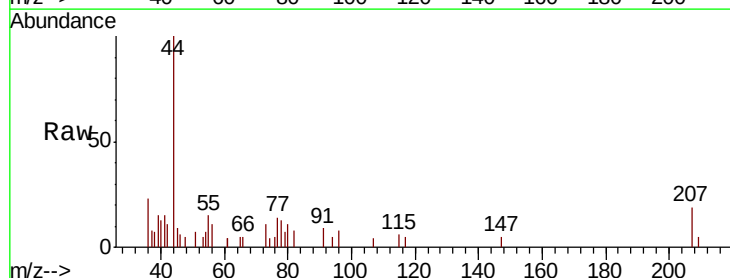


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

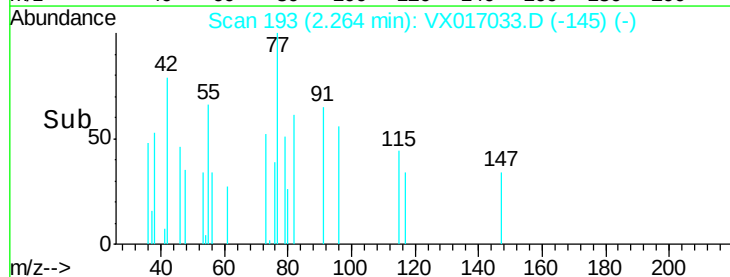
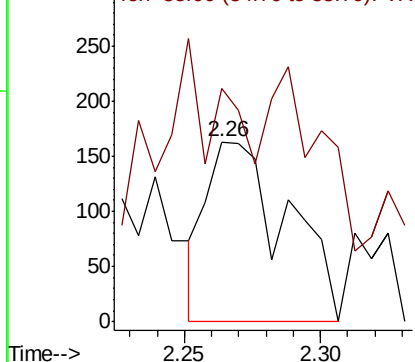


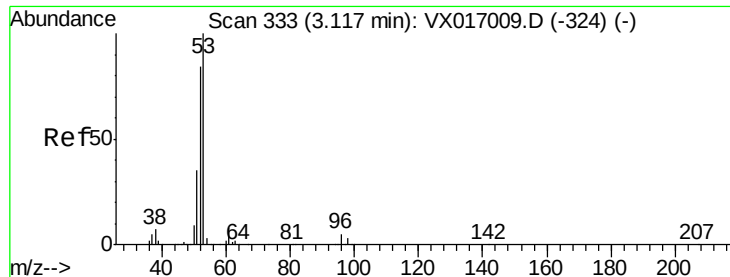
#13
Acrolein
Concen: 0.947 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017033.D
Acq: 30 Jun 2020 10:25

Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 80.0 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.425 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL01

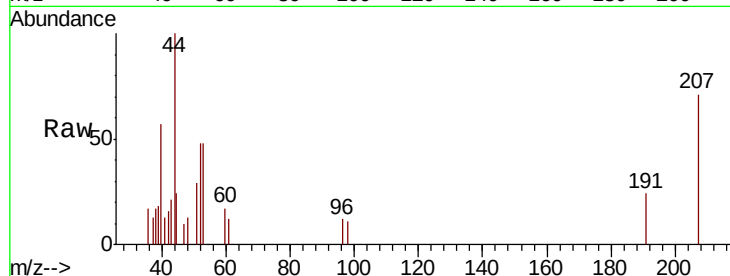
Tot Ion: 53 Resp: 605

Ion Ratio Lower Upper

53 100

52 56.0 65.6 98.4#

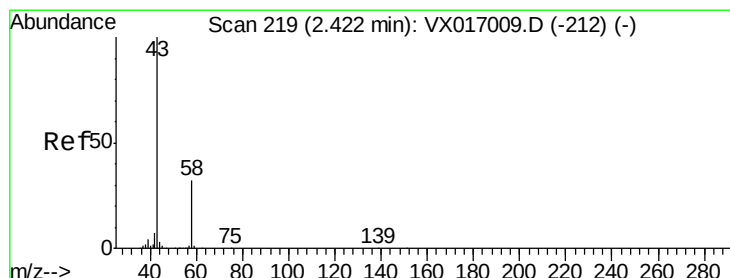
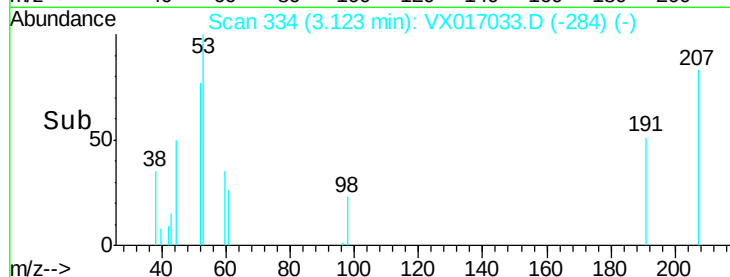
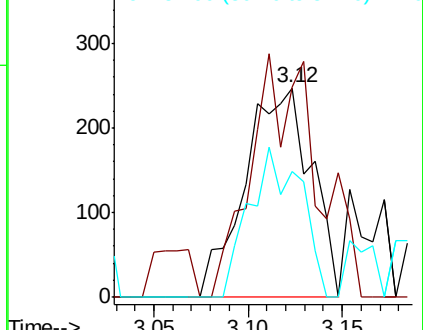
51 55.2 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.394 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017033.D

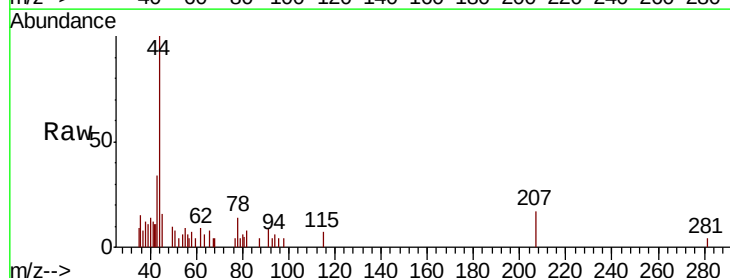
Acq: 30 Jun 2020 10:25

Tgt Ion: 43 Resp: 457

Ion Ratio Lower Upper

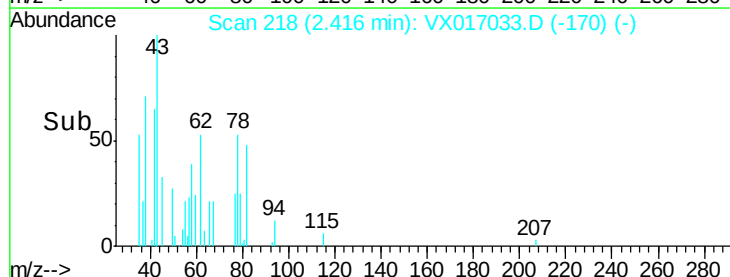
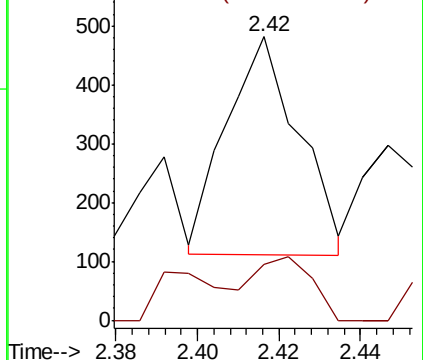
43 100

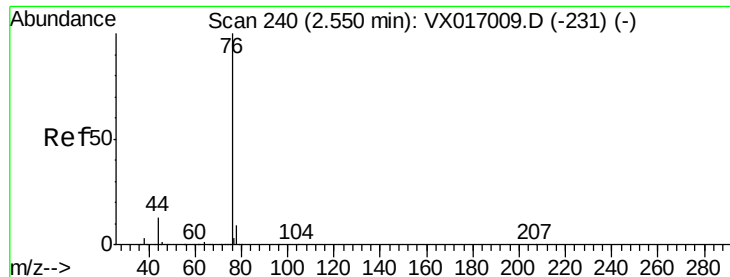
58 26.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.303 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

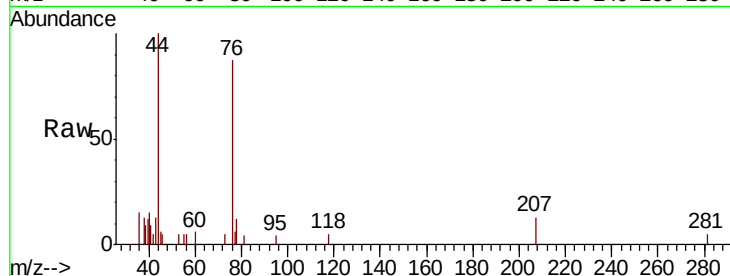
VX0630WBL01

Tot Ion: 76 Resp: 1947

Ion Ratio Lower Upper

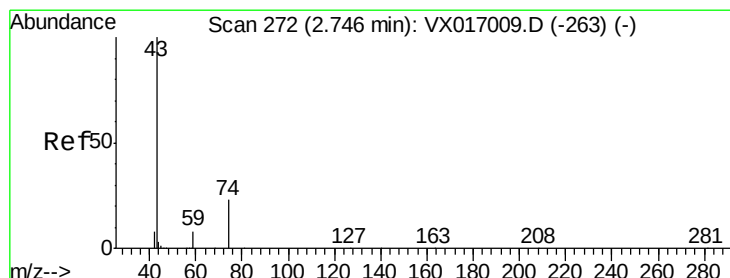
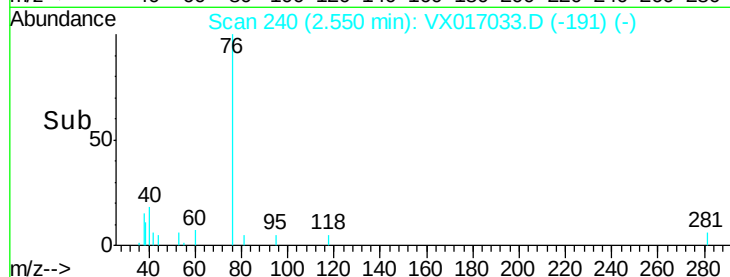
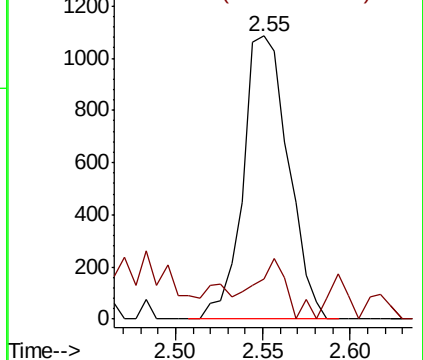
76 100

78 5.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.250 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017033.D

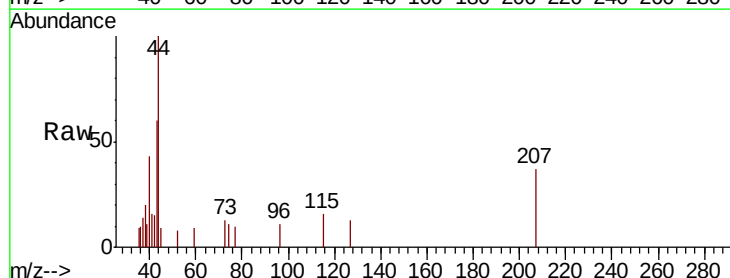
Acq: 30 Jun 2020 10:25

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

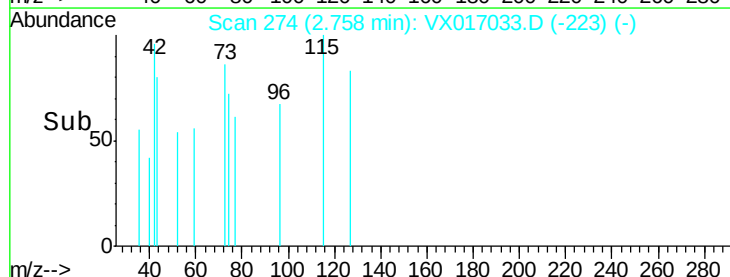
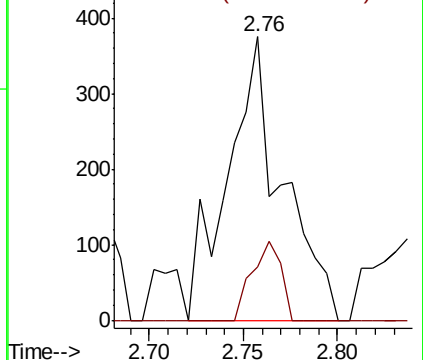
43 100

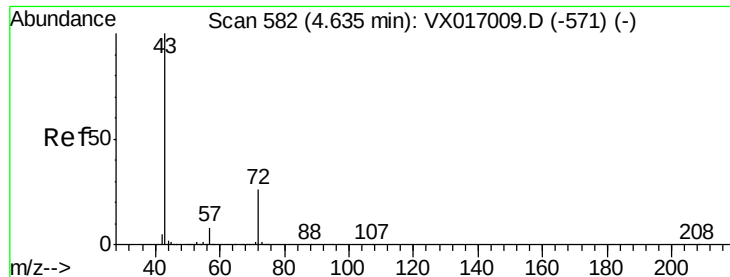
74 14.8 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.217 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

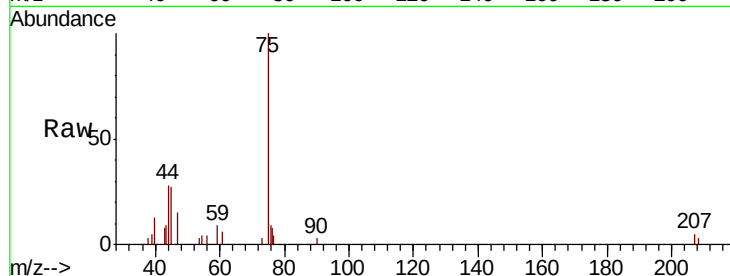
VX0630WBL01

Tot Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

250

200

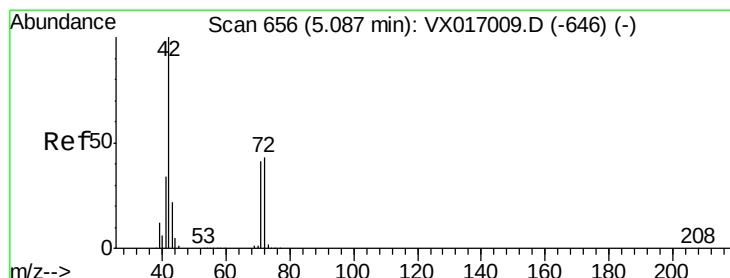
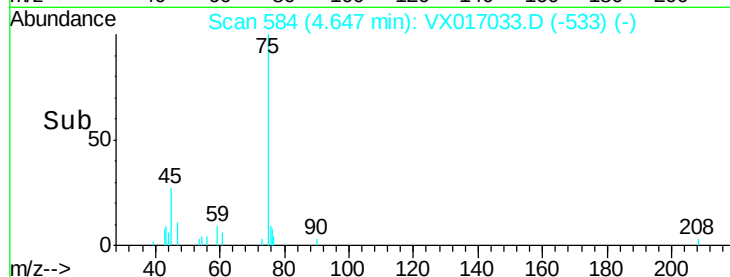
150

100

50

0

Time--> 4.60 4.62 4.64 4.66 4.68



#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

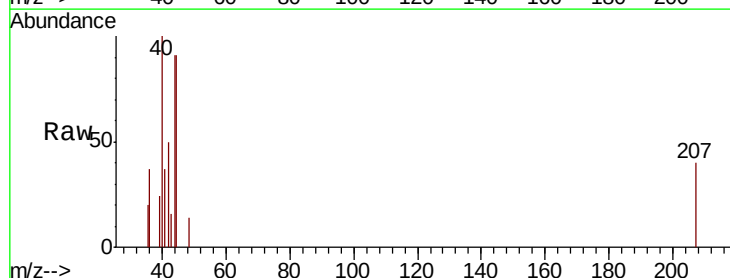
Tgt Ion: 42 Resp: 389

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 11.3 33.1 49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

250

200

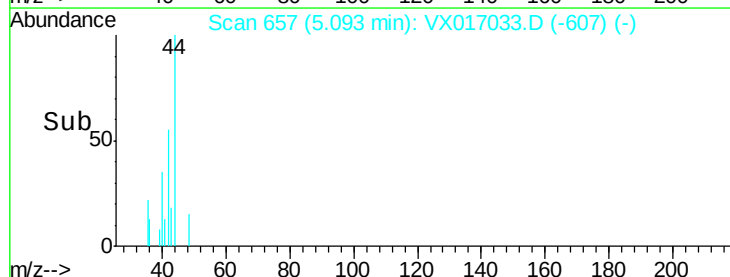
150

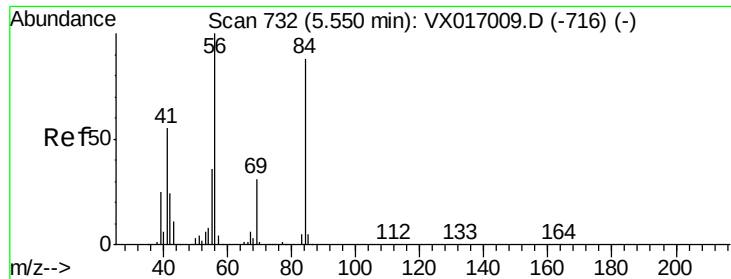
100

50

0

Time--> 5.05 5.10

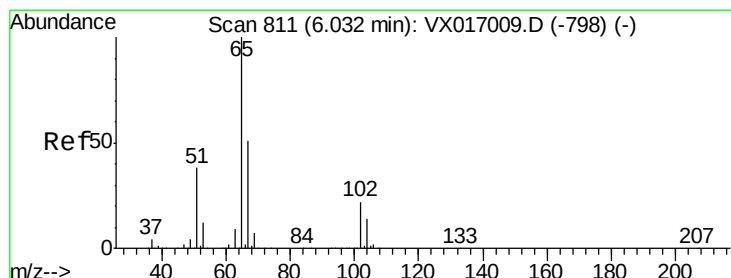
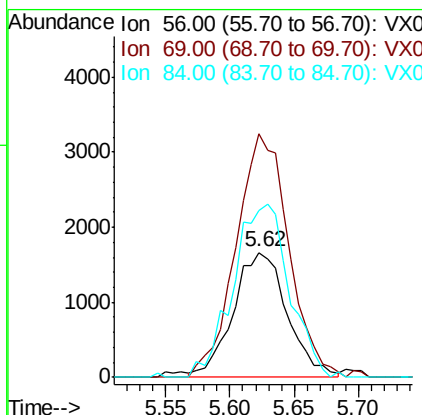
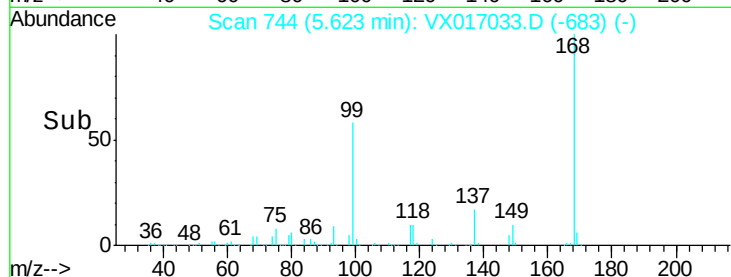
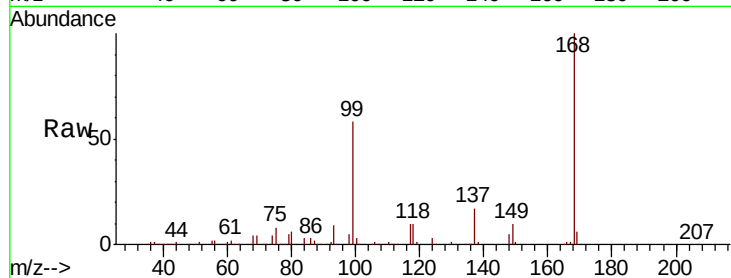




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017033.D
Acq: 30 Jun 2020 10:25

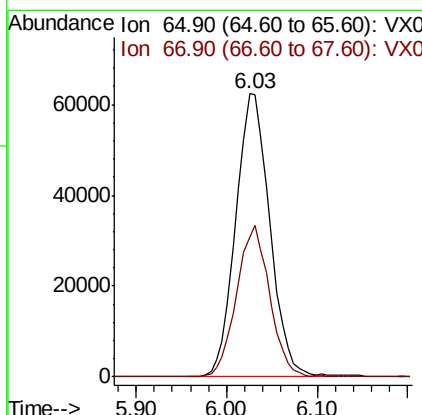
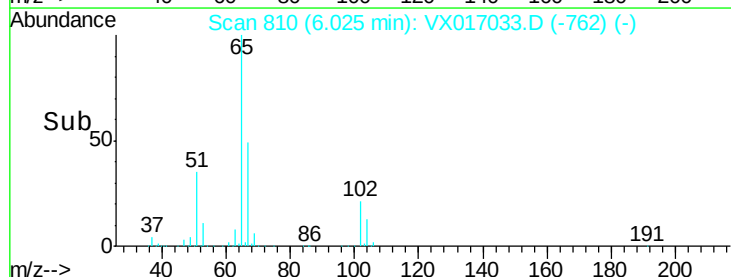
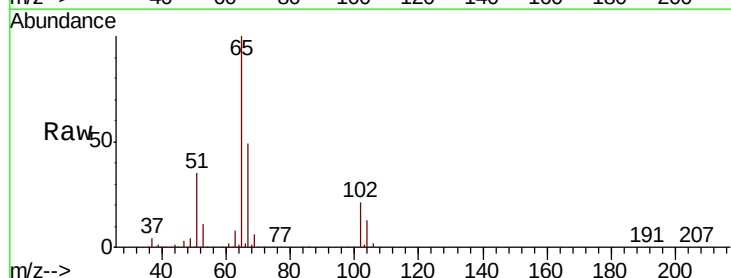
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL01

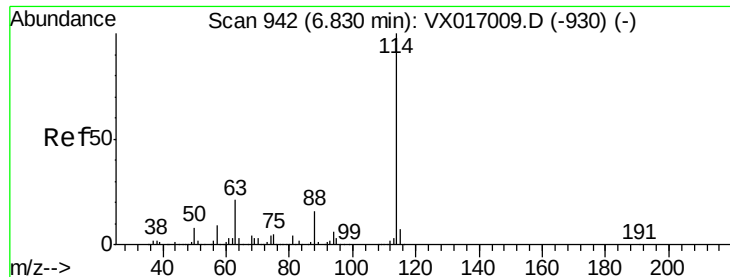
Tot Ion: 56 Resp: 4842
Ion Ratio Lower Upper
56 100
69 201.7 25.0 37.4#
84 138.3 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 52.586 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX017033.D
Acq: 30 Jun 2020 10:25

Tgt Ion: 65 Resp: 163161
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL01

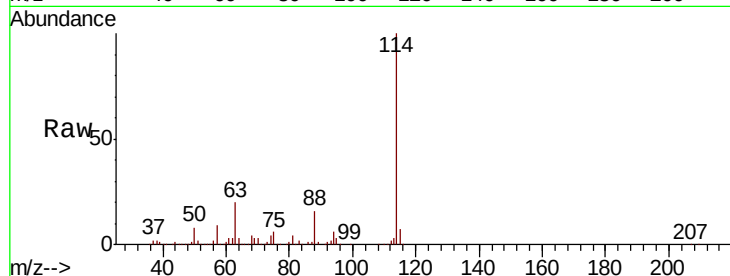
Tot Ion:114 Resp: 427678

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

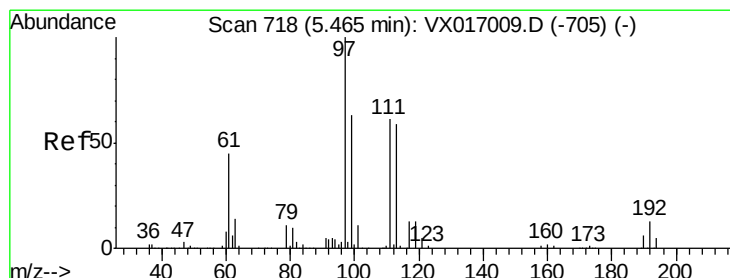
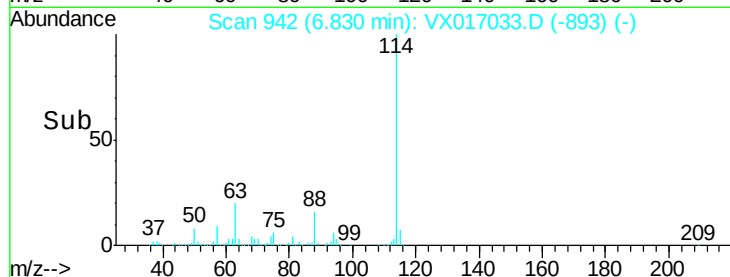
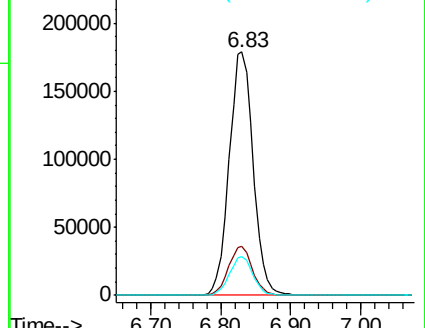
88 15.7 0.0 32.4



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



#35

Dibromofluoromethane

Concen: 52.608 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

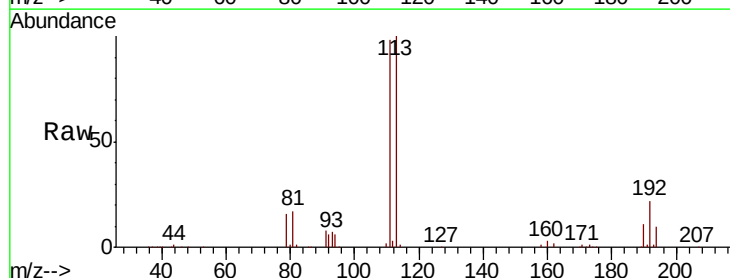
Tgt Ion:113 Resp: 142323

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

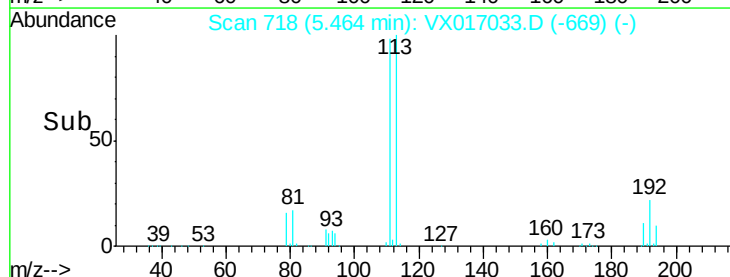
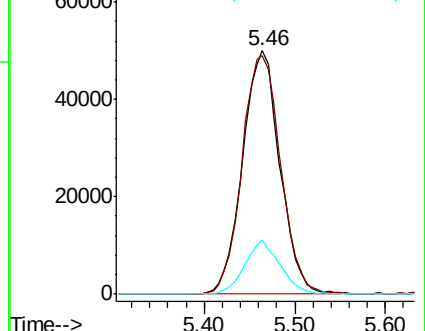
192 20.8 16.7 25.1

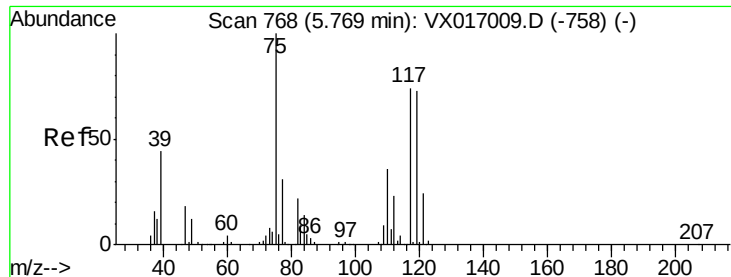


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

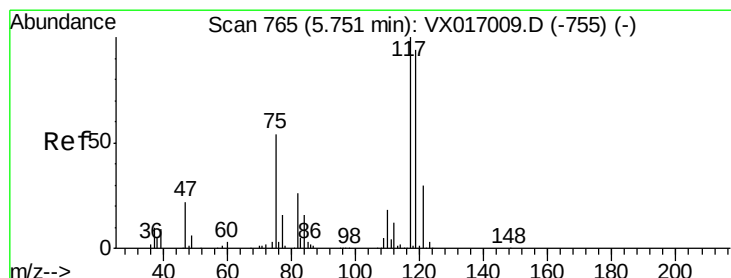
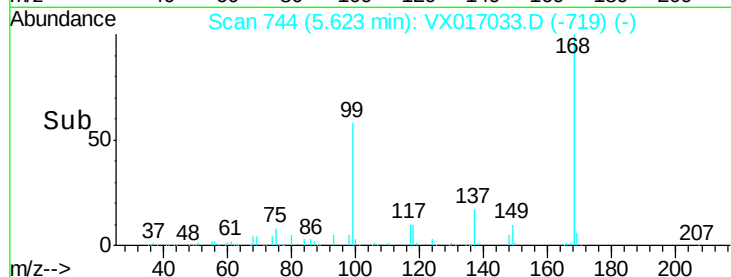
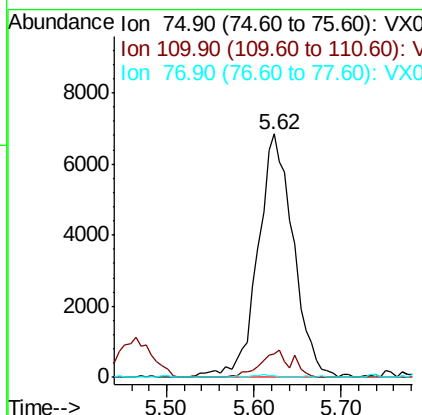
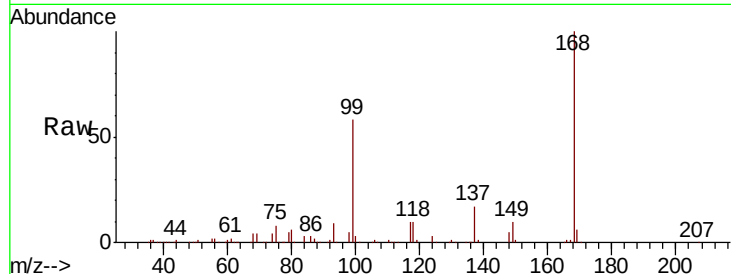




#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017033.D
 Acq: 30 Jun 2020 10:25

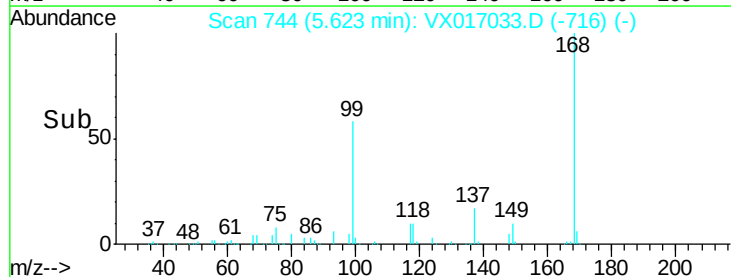
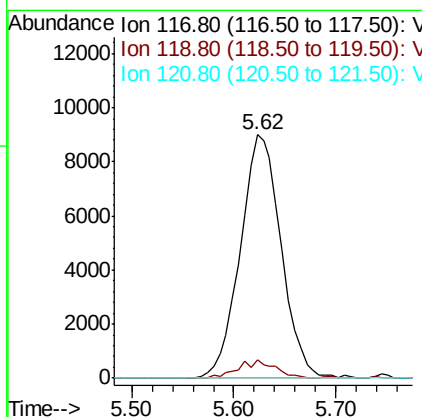
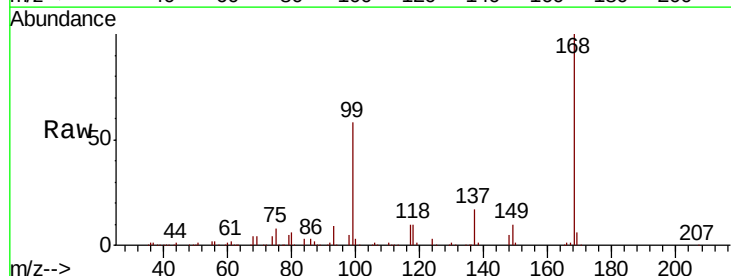
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL01

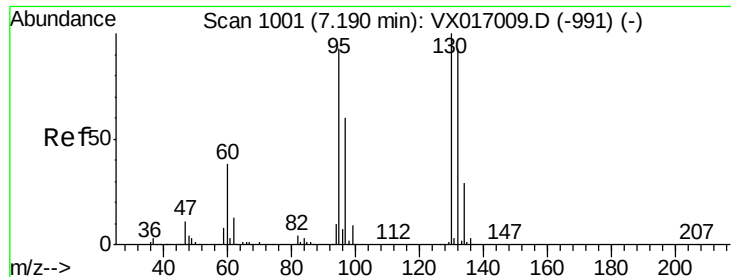
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.1#
77	0.6	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.610 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX017033.D
 Acq: 30 Jun 2020 10:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	75.4	113.0#
121	0.0	23.8	35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.17 min Scan# 998

Delta R.T. -0.02 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

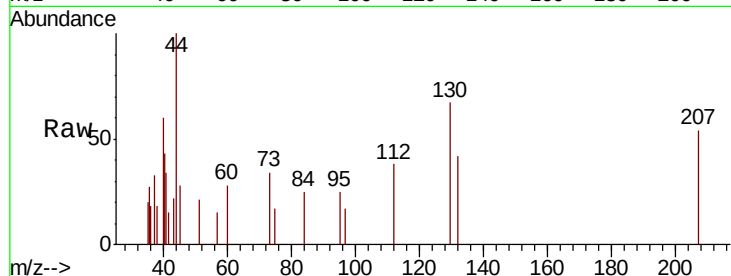
VX0630WBL01

Tot Ion:130 Resp: 299

Ion Ratio Lower Upper

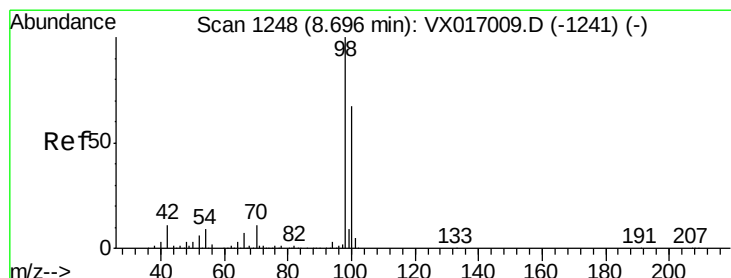
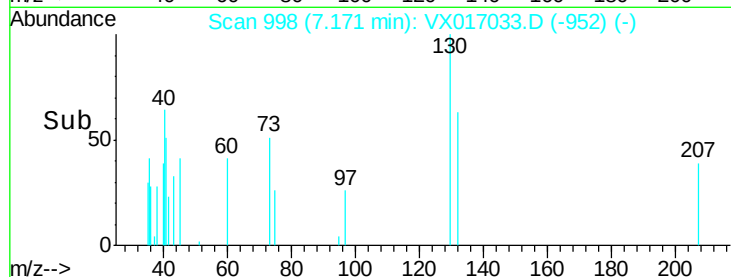
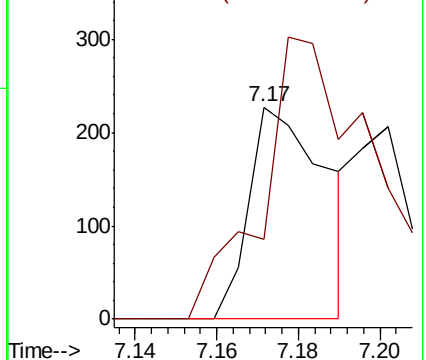
130 100

95 37.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.309 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017033.D

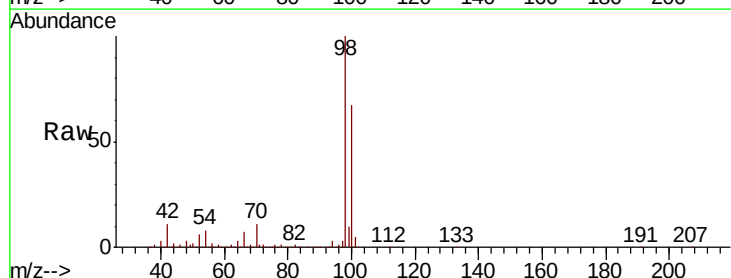
Acq: 30 Jun 2020 10:25

Tgt Ion: 98 Resp: 513288

Ion Ratio Lower Upper

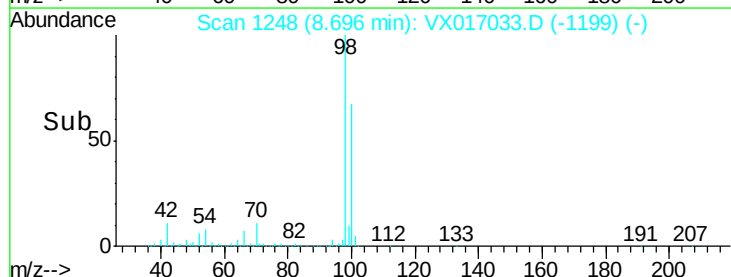
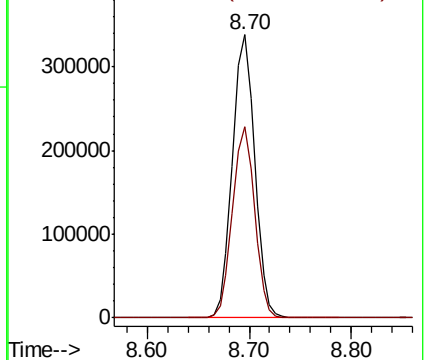
98 100

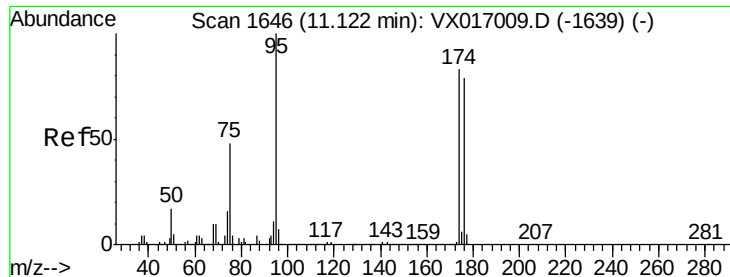
100 66.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL01

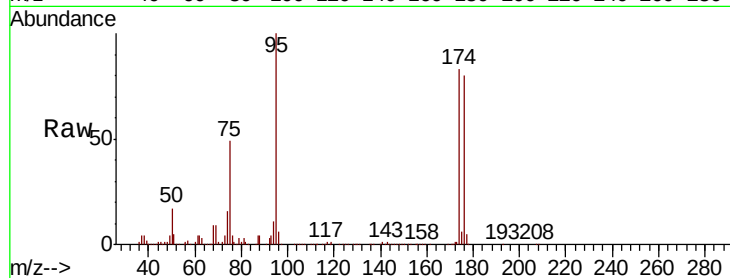
Tot Ion: 95 Resp: 203462

Ion Ratio Lower Upper

95 100

174 82.0 0.0 164.0

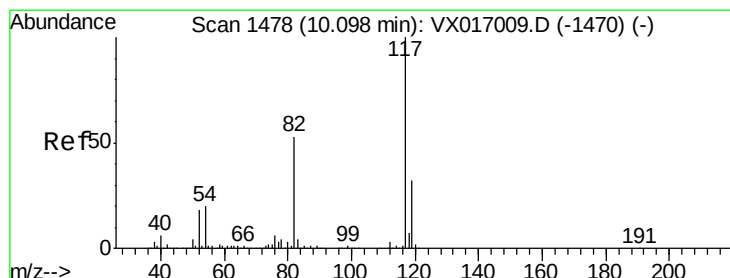
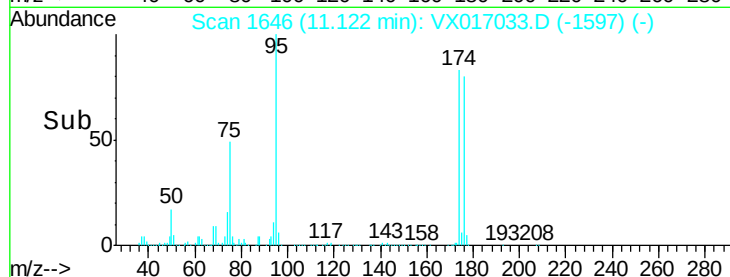
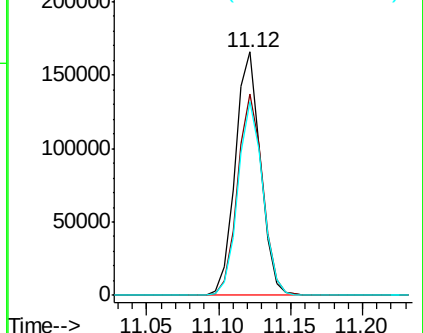
176 78.1 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

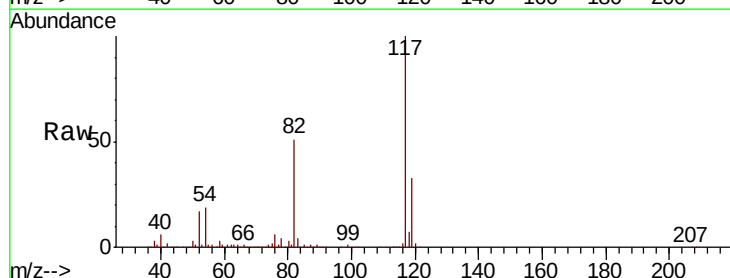
Tgt Ion: 117 Resp: 429136

Ion Ratio Lower Upper

117 100

82 51.1 42.6 63.8

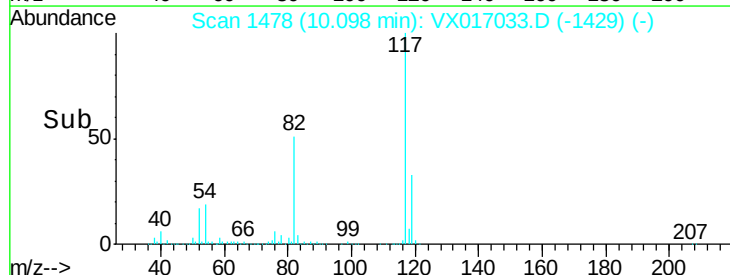
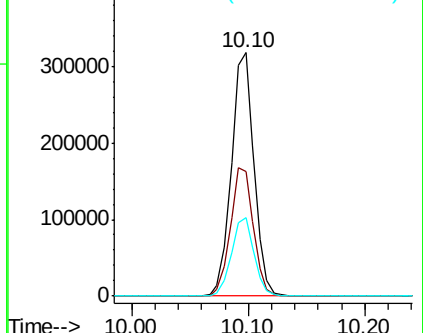
119 32.5 25.4 38.2

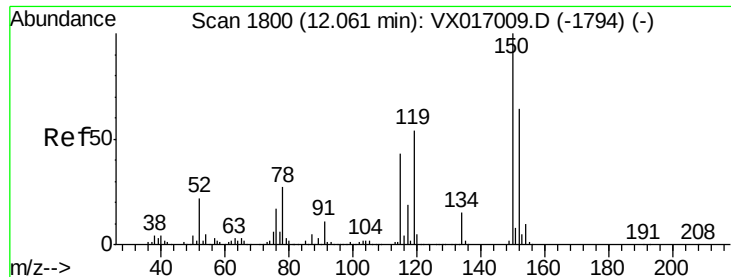


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL01

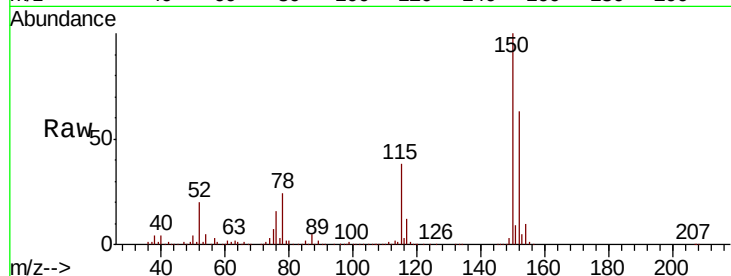
Tot Ion:152 Resp: 208384

Ion Ratio Lower Upper

152 100

115 58.6 40.9 122.7

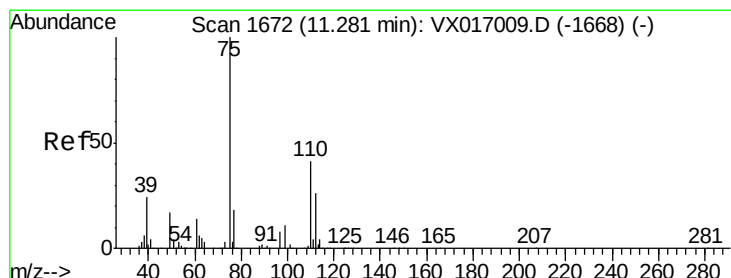
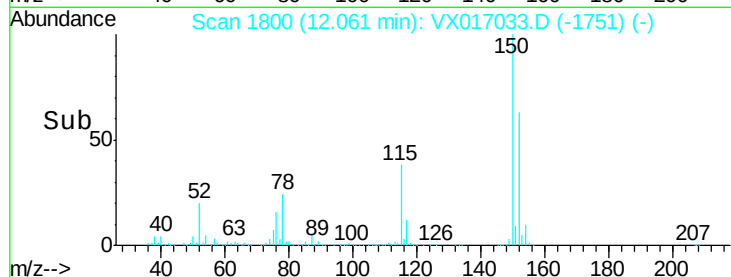
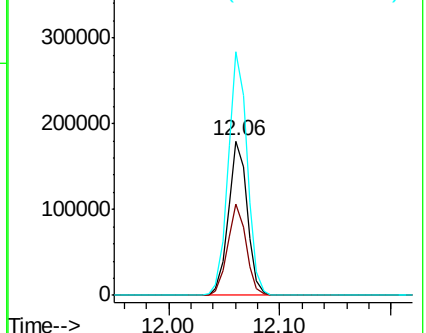
150 160.1 0.0 351.6



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: 24.879 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017033.D

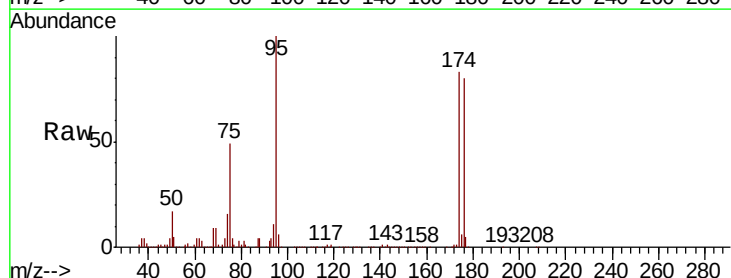
Acq: 30 Jun 2020 10:25

Tgt Ion: 75 Resp: 101949

Ion Ratio Lower Upper

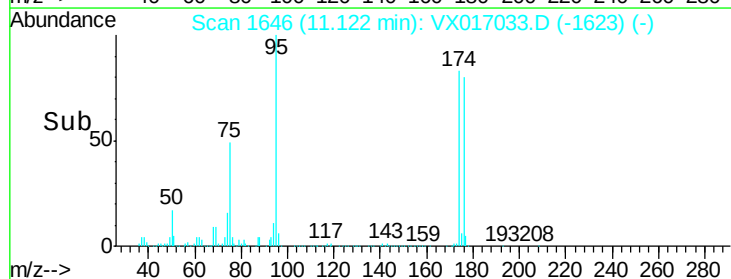
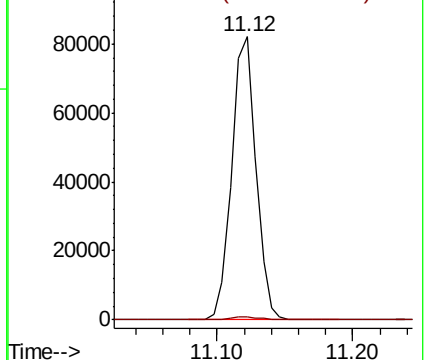
75 100

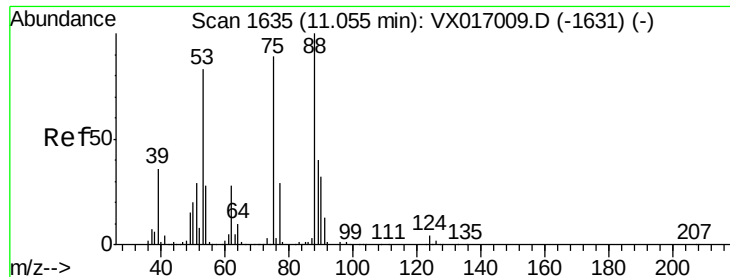
77 1.4 20.2 60.6#



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: 64.428 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VX0630WBL01

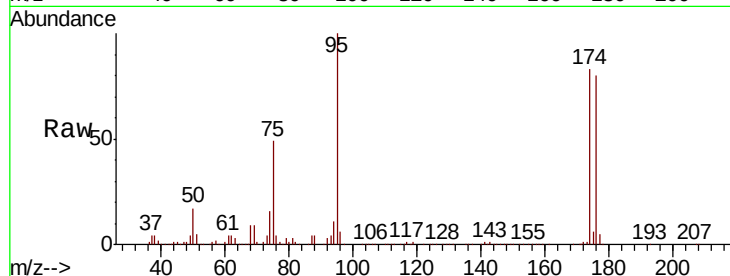
Tot Ion: 75 Resp: 101949

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

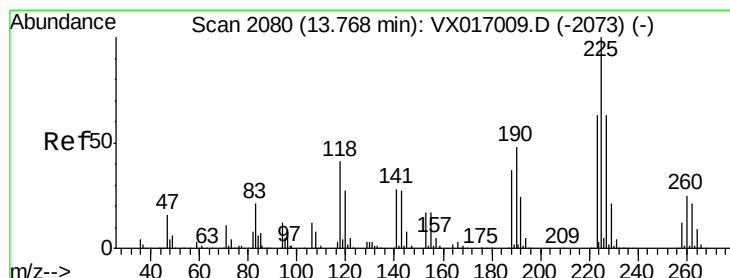
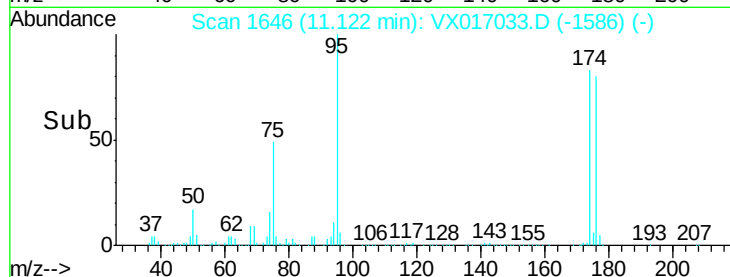
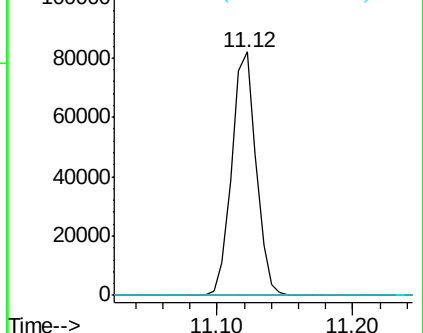
89 0.0 37.0 55.4#



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



#94

Hexachlorobutadiene

Concen: 1.183 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX017033.D

Acq: 30 Jun 2020 10:25

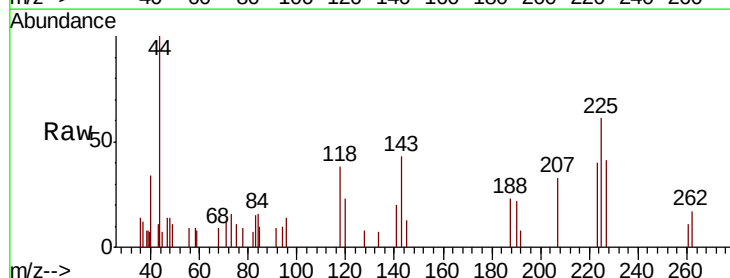
Tgt Ion: 225 Resp: 568

Ion Ratio Lower Upper

225 100

223 70.1 32.5 97.5

227 60.0 33.1 99.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

