

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070820\
 Data File : VX017245.D
 Acq On : 08 Jul 2020 10:59
 Operator : JC/SP
 Sample : VX0708WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL01

Quant Time: Jul 08 15:45:14 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	260962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	424665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	429336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213234	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	166767	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.46	113	142941	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
50) Toluene-d8	8.70	98	509860	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	11.12	95	202097	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	

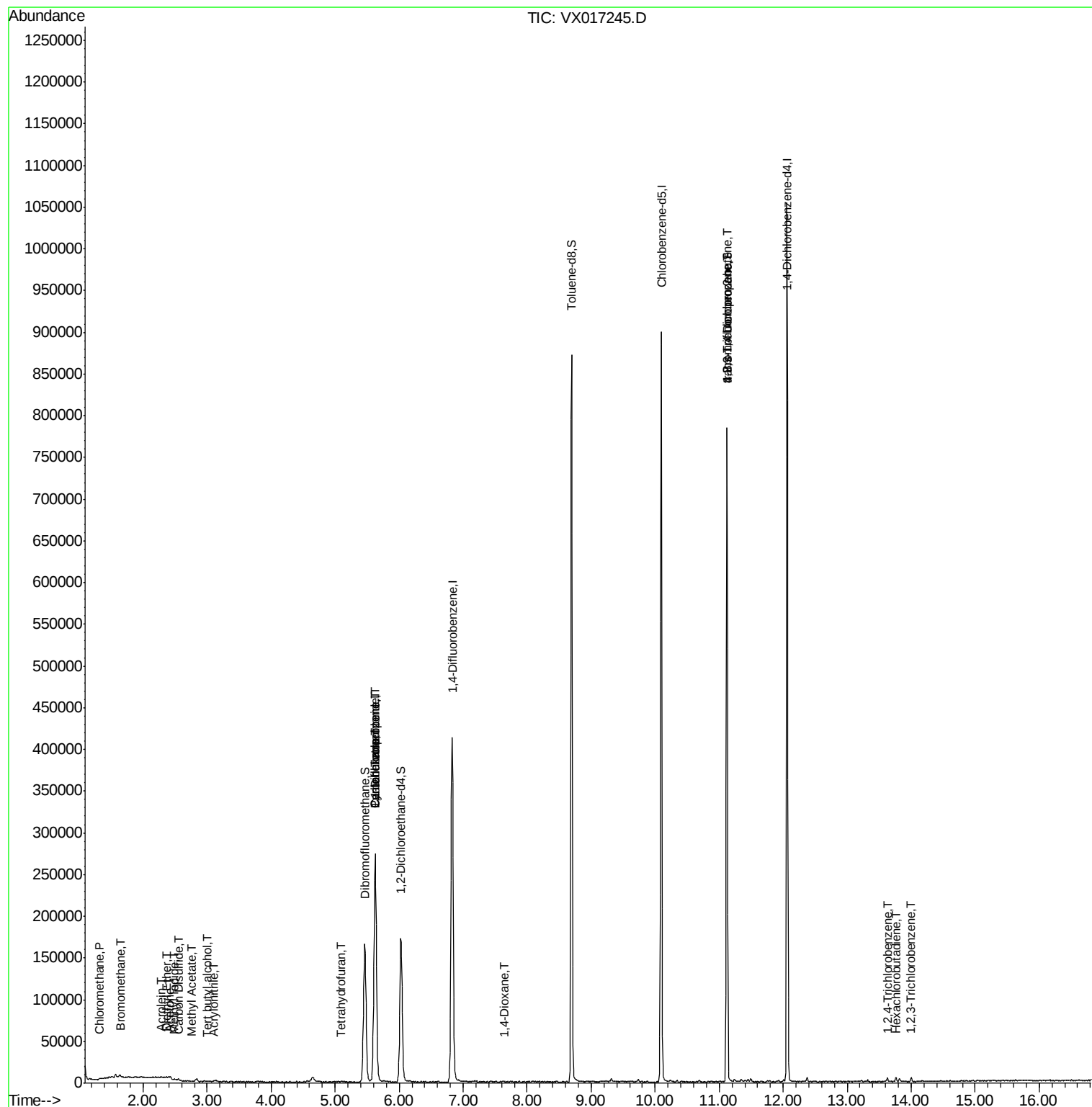
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1007	0.330	ug/l #	79
5) Bromomethane	1.64	94	1155	0.771	ug/l	89
8) Diethyl Ether	2.36	74	78	0.420	ug/l	83
10) Methyl Iodide	2.49	142	1996	0.615	ug/l	94
11) Tert butyl alcohol	3.00	59	191	0.311	ug/l #	40
13) Acrolein	2.27	56	641	1.747	ug/l	92
15) Acrylonitrile	3.11	53	692	0.469	ug/l #	80
16) Acetone	2.42	43	892	0.741	ug/l	96
17) Carbon Disulfide	2.54	76	2280	0.339	ug/l #	87
18) Methyl Acetate	2.76	43	840	0.267	ug/l #	85
20) Methylene Chloride	2.84	84	1762	Below Cal	#	67
29) Tetrahydrofuran	5.09	42	483	0.365	ug/l #	76
31) Cyclohexane	5.63	56	5788	1.333	ug/l #	27
36) 1,1-Dichloropropene	5.63	75	18470	4.602	ug/l #	52
38) Carbon Tetrachloride	5.62	117	25336	5.731	ug/l #	16
44) Trichloroethene	7.19	130	385	Below Cal		12
49) 1,4-Dioxane	7.63	88	22	0.302	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	101004	24.088	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101004	62.379	ug/l #	13
88) 1,4-Dichlorobenzene	12.01	146	805	Below Cal		73
93) 1,2,4-Trichlorobenzene	13.63	180	1225	0.275	ug/l	85
94) Hexachlorobutadiene	13.77	225	894	1.365	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	996	0.231	ug/l #	60

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

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Instrument :
MSVOA_X
ClientSampled :
VX0708WBL01

Quant Time: Jul 08 15:45:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampled :

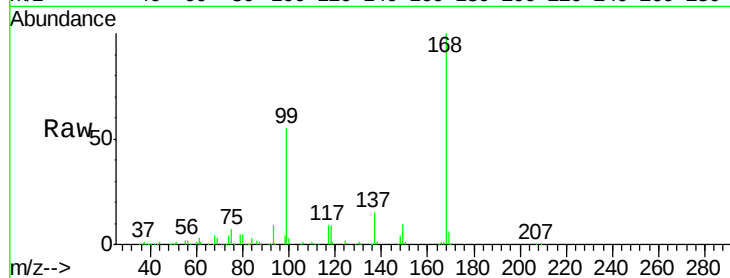
VX0708WBL01

Tgt Ion:168 Resp: 260962

Ion Ratio Lower Upper

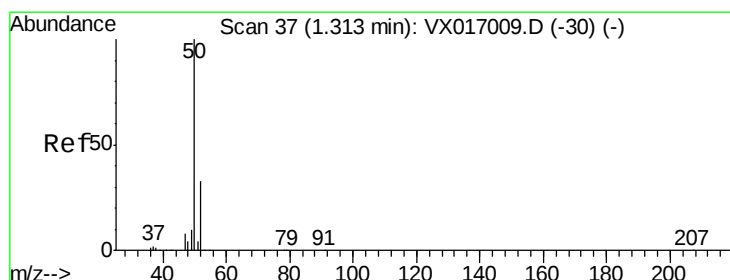
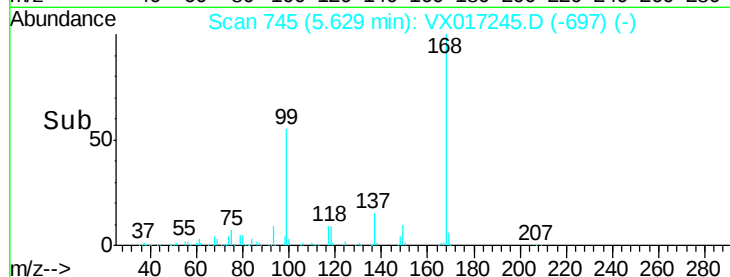
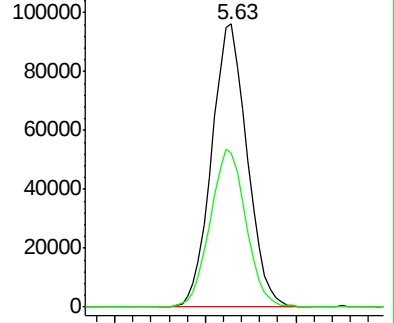
168 100

99 54.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.330 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017245.D

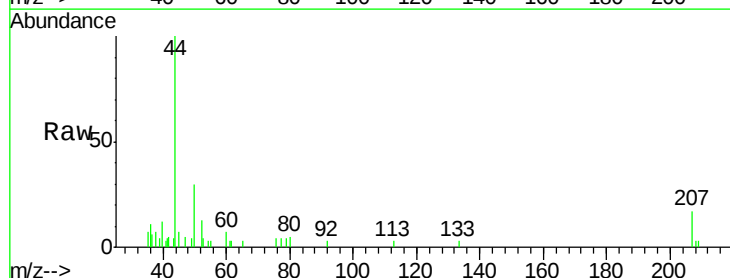
Acq: 08 Jul 2020 10:59

Tgt Ion: 50 Resp: 1007

Ion Ratio Lower Upper

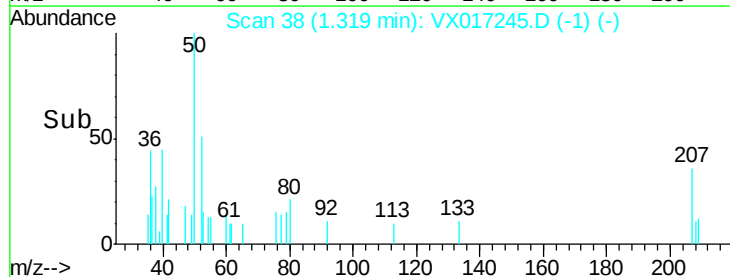
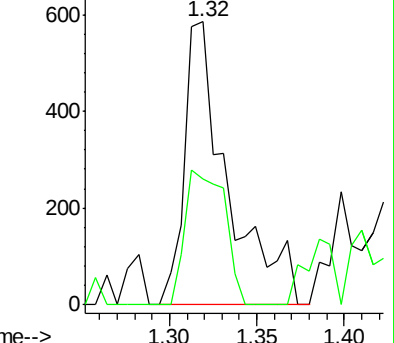
50 100

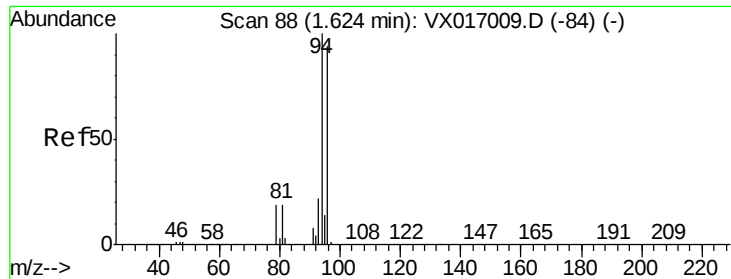
52 44.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.771 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

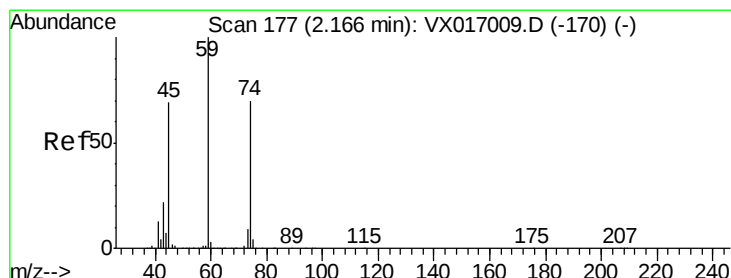
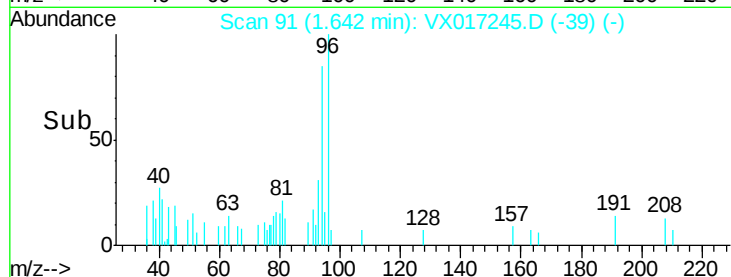
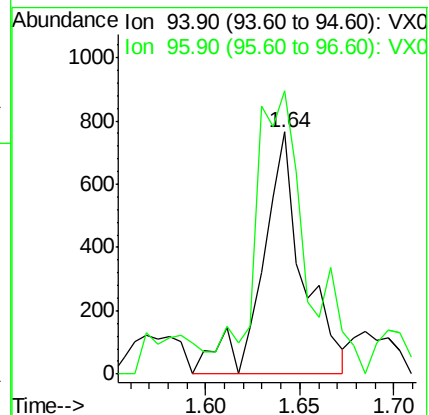
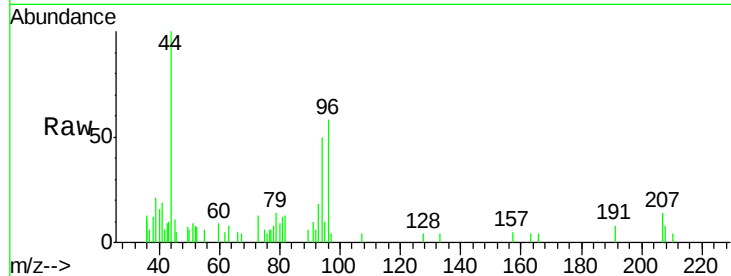
VX0708WBL01

Tgt Ion: 94 Resp: 1155

Ion Ratio Lower Upper

94 100

96 104.2 75.0 112.4



#8

Diethyl Ether

Concen: 0.420 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.20 min

Lab File: VX017245.D

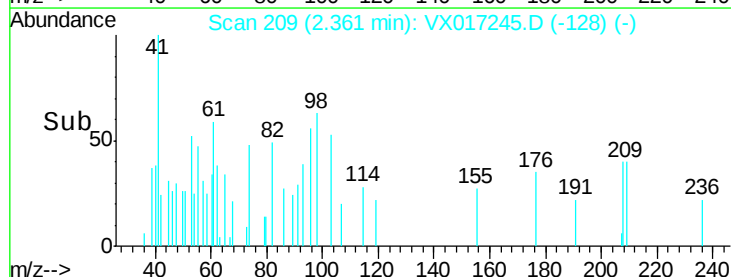
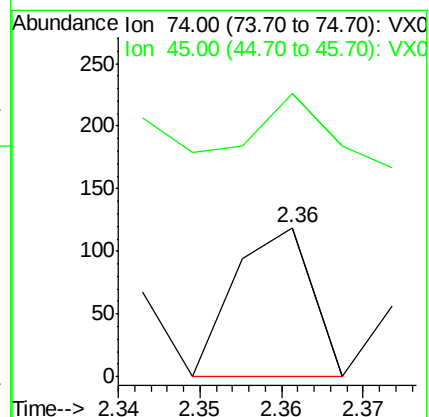
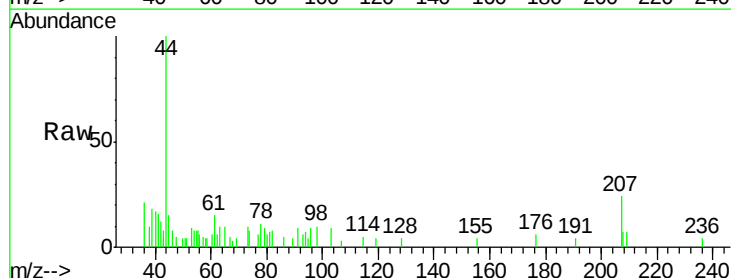
Acq: 08 Jul 2020 10:59

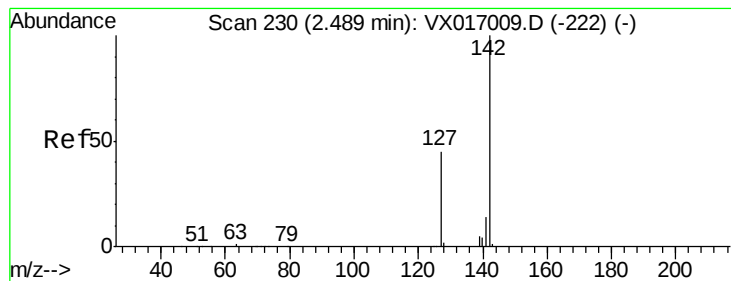
Tgt Ion: 74 Resp: 78

Ion Ratio Lower Upper

74 100

45 116.7 49.8 149.3





#10

Methyl Iodide

Concen: 0.615 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

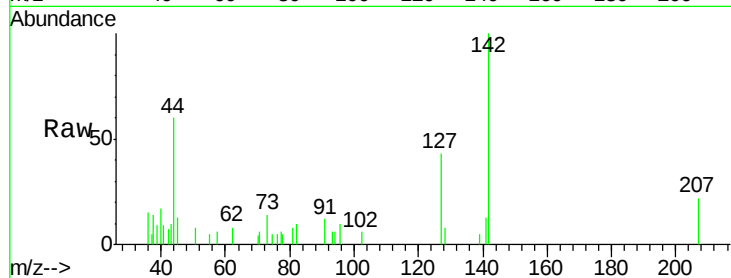
Tgt Ion: 142 Resp: 1996

Ion Ratio Lower Upper

142 100

127 49.8 36.6 54.8

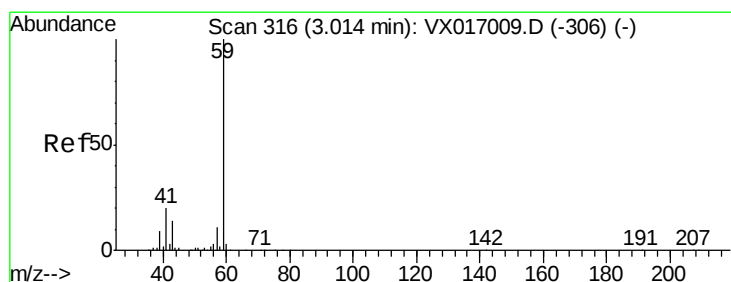
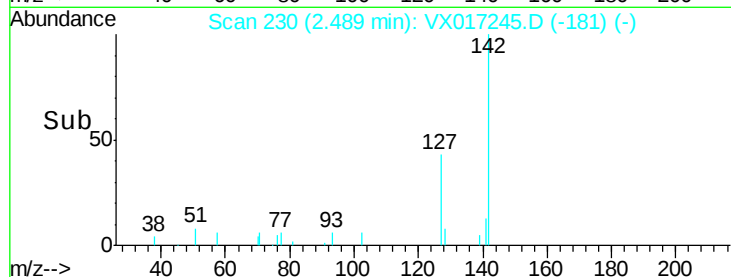
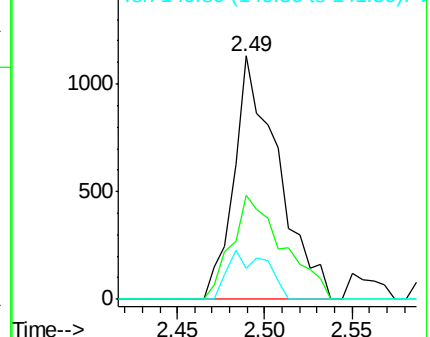
141 17.4 11.6 17.4



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



#11

Tert butyl alcohol

Concen: 0.311 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX017245.D

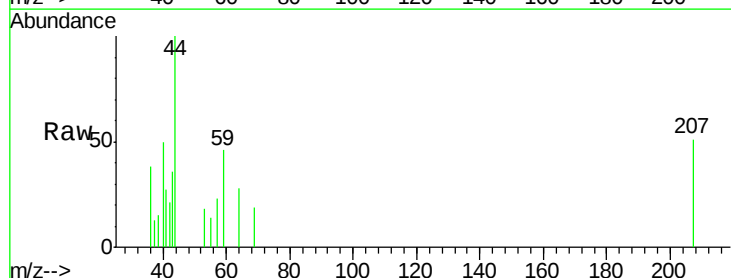
Acq: 08 Jul 2020 10:59

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

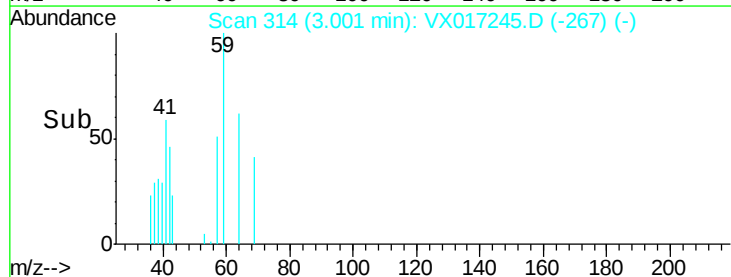
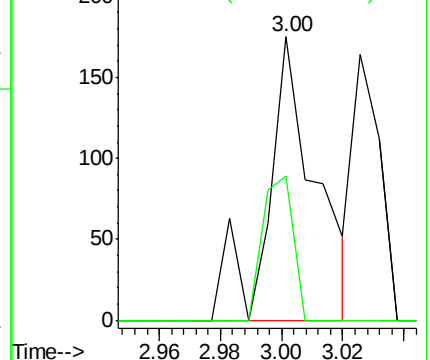
59 100

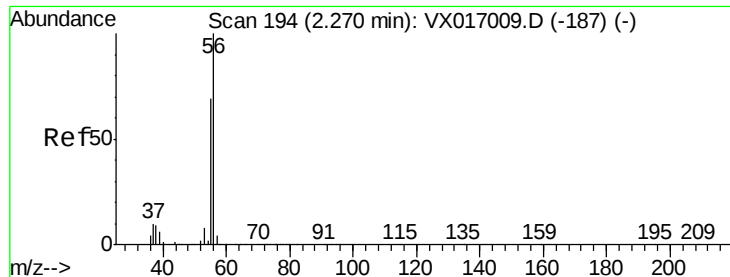
57 32.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.747 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

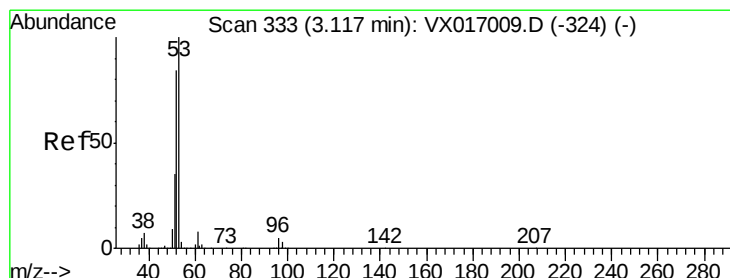
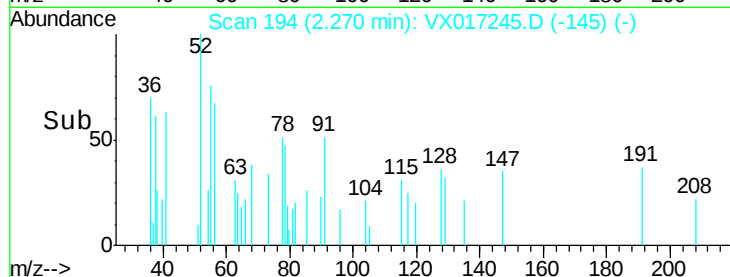
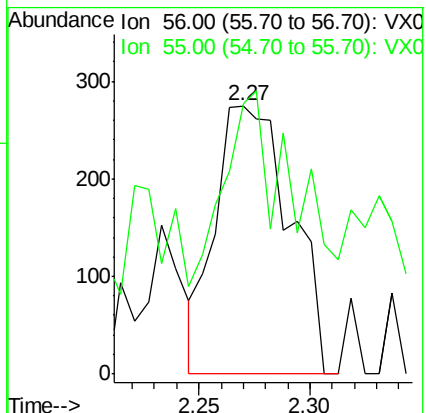
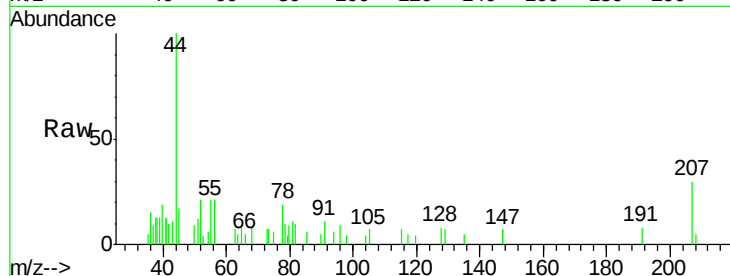
VX0708WBL01

Tgt Ion: 56 Resp: 641

Ion Ratio Lower Upper

56 100

55 75.8 55.7 83.5



#15

Acrylonitrile

Concen: 0.469 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

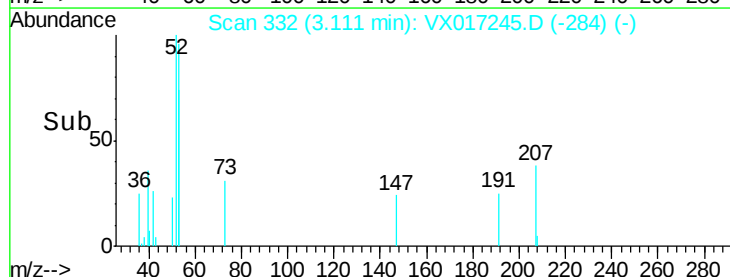
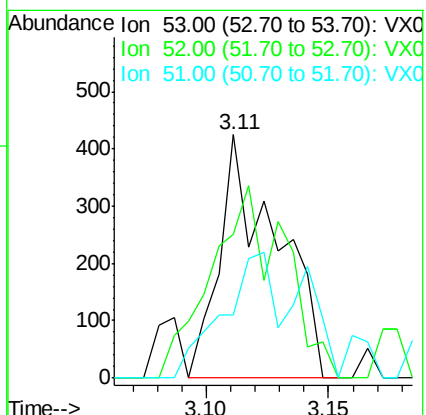
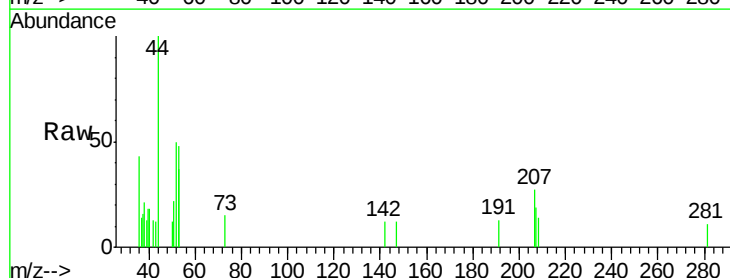
Tgt Ion: 53 Resp: 692

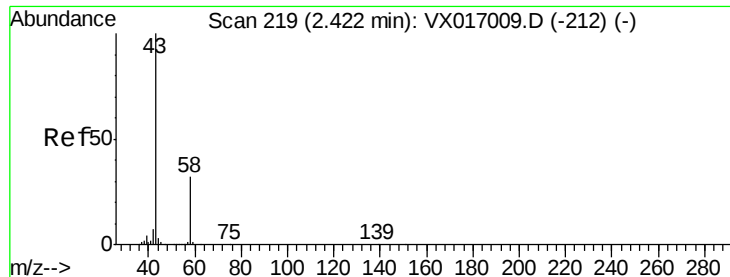
Ion Ratio Lower Upper

53 100

52 101.2 65.6 98.4#

51 46.0 28.3 42.5#





#16

Acetone

Concen: 0.741 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampled :

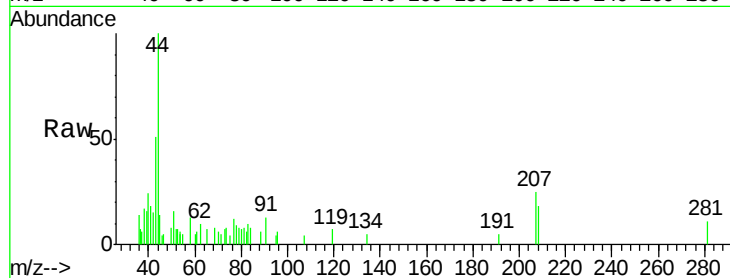
VX0708WBL01

Tgt Ion: 43 Resp: 892

Ion Ratio Lower Upper

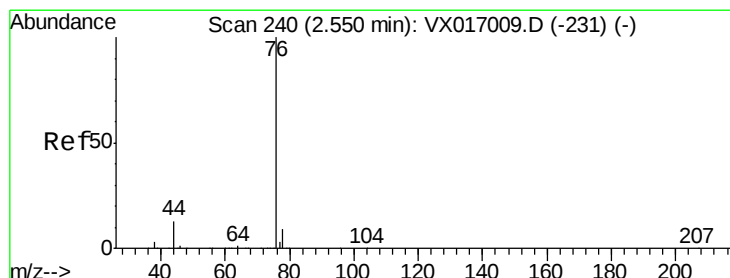
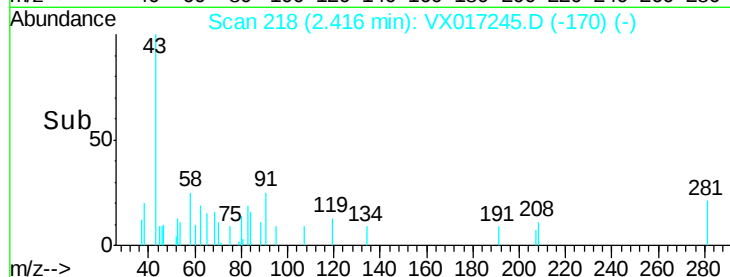
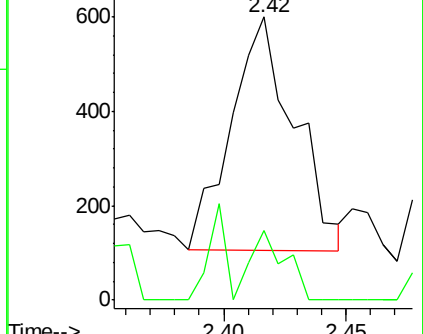
43 100

58 30.0 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: 0.339 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017245.D

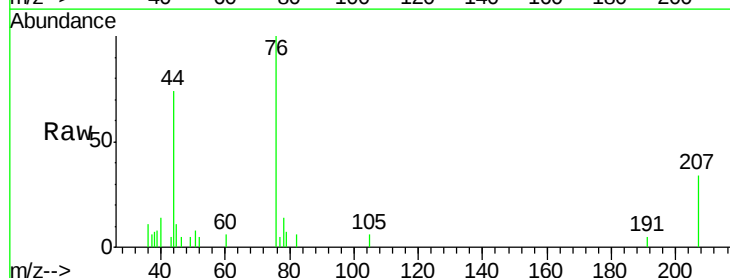
Acq: 08 Jul 2020 10:59

Tgt Ion: 76 Resp: 2280

Ion Ratio Lower Upper

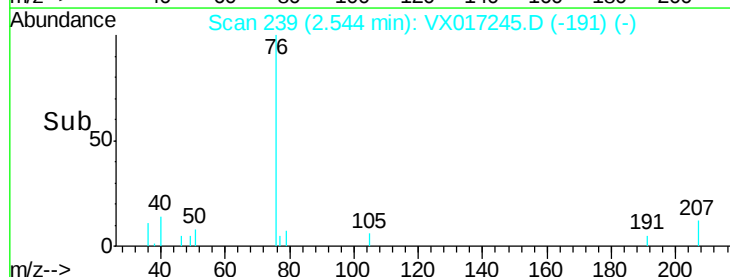
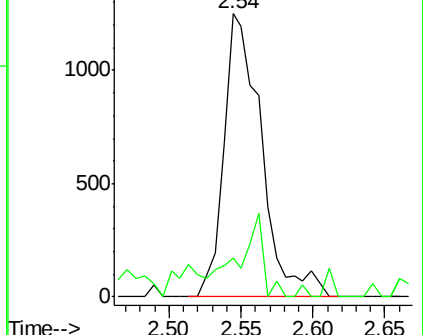
76 100

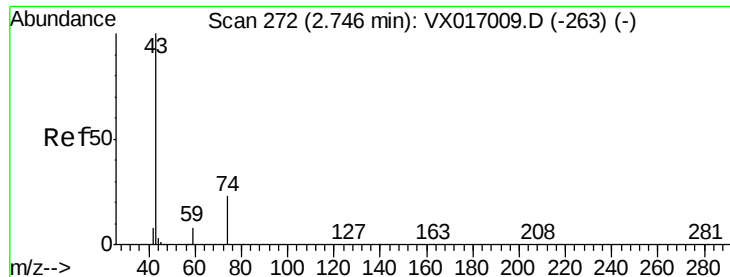
78 13.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

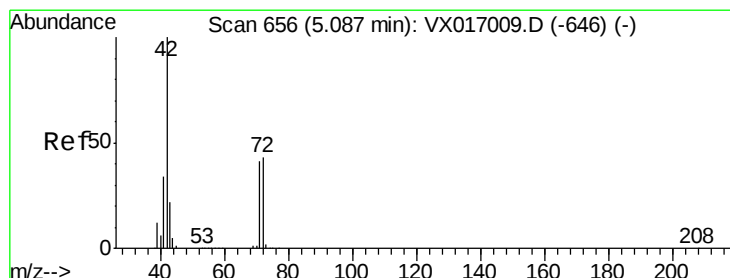
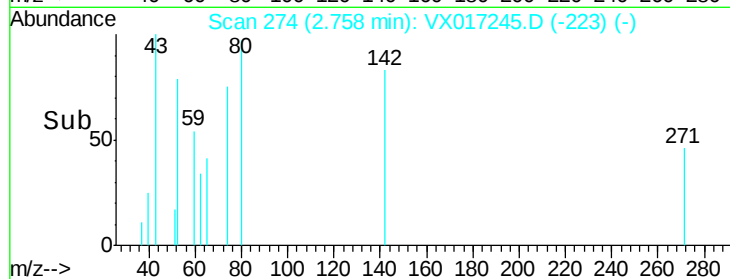
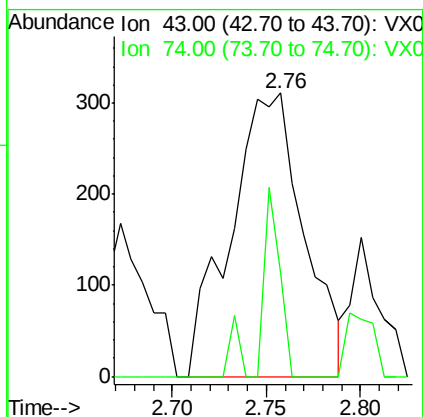
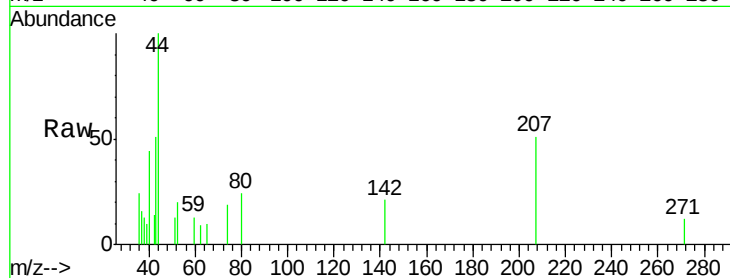




#18
Methyl Acetate
Concen: 0.267 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

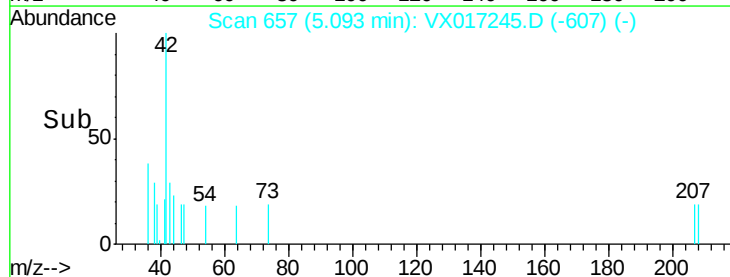
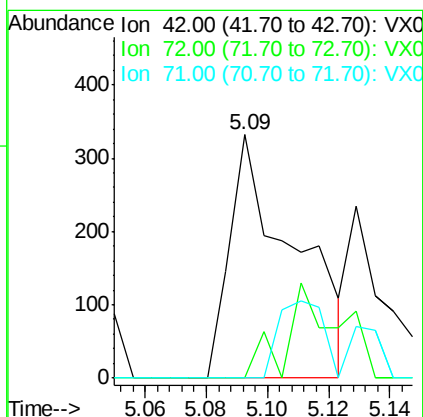
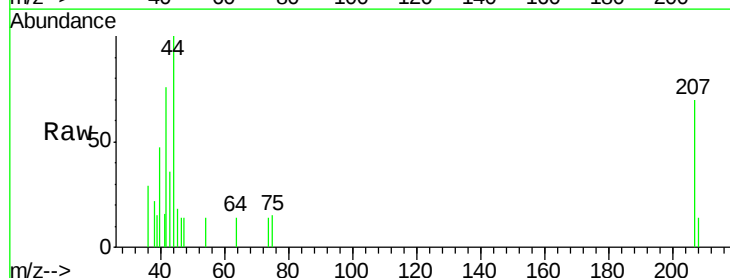
Instrument :
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VX0708WBL01

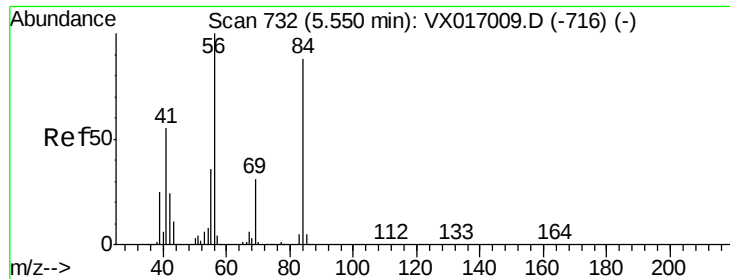
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
74 16.9 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

Tgt Ion: 42 Resp: 483
Ion Ratio Lower Upper
42 100
72 31.9 35.3 52.9#
71 22.4 33.1 49.7#

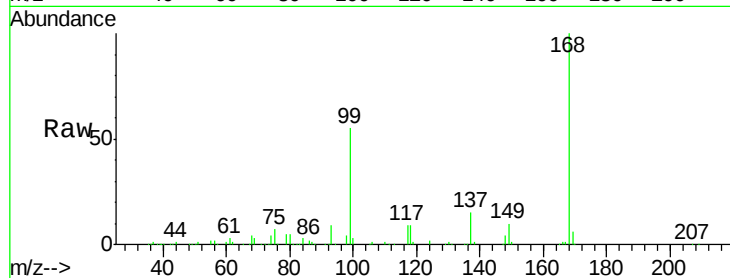




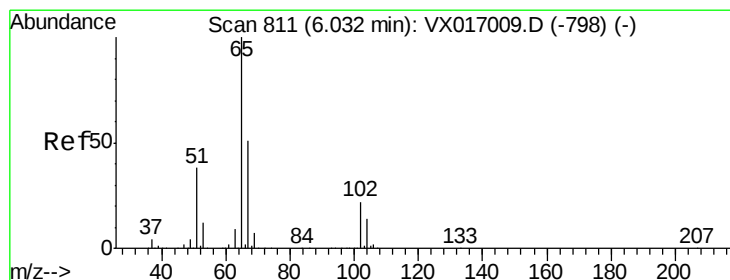
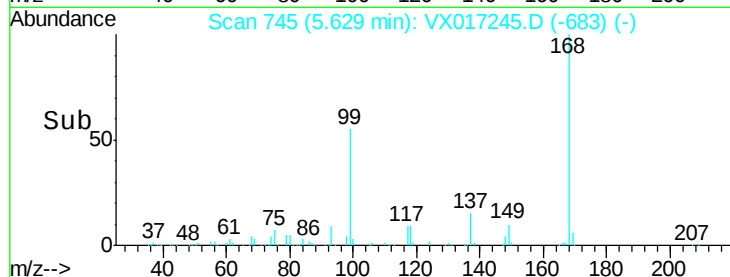
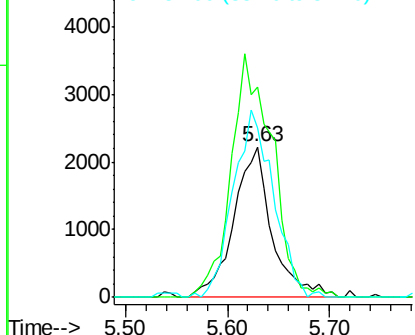
#31
Cyclohexane
Concen: 1.333 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

Tgt Ion: 56 Resp: 5788
Ion Ratio Lower Upper
56 100
69 139.9 25.0 37.4#
84 112.7 69.1 103.7#

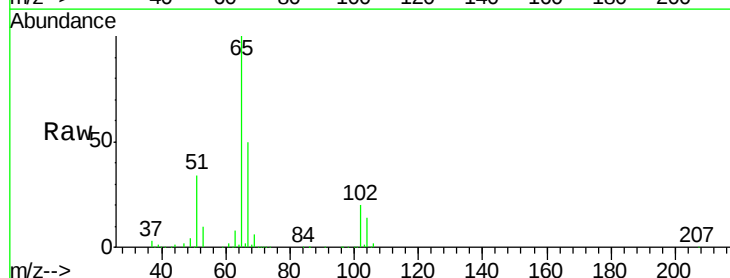


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

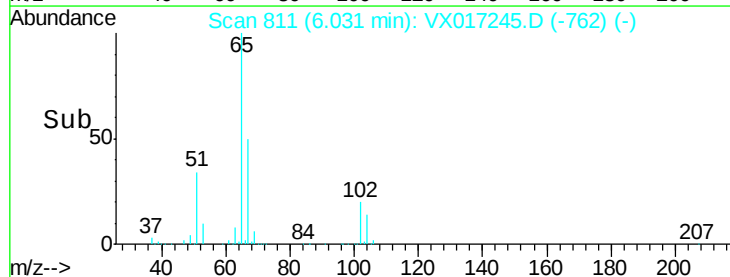
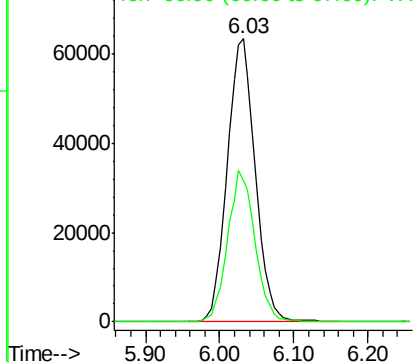


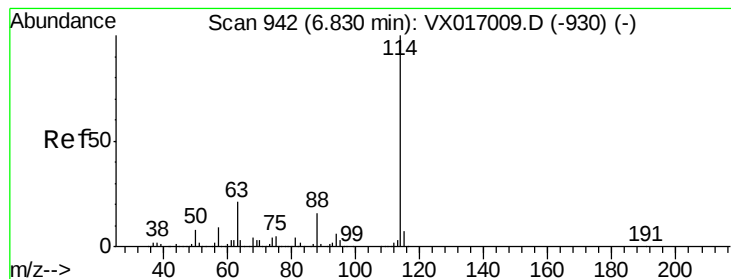
#33
1,2-Dichloroethane-d4
Concen: 51.837 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

Tgt Ion: 65 Resp: 166767
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

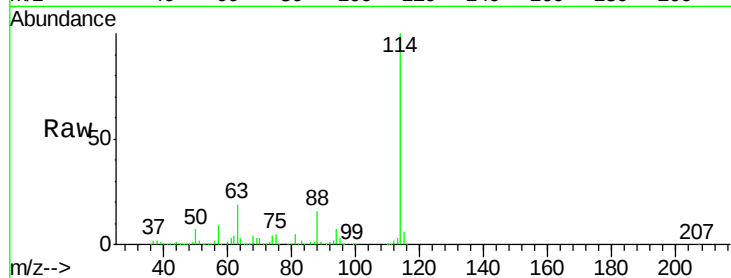
Tgt Ion:114 Resp: 424665

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

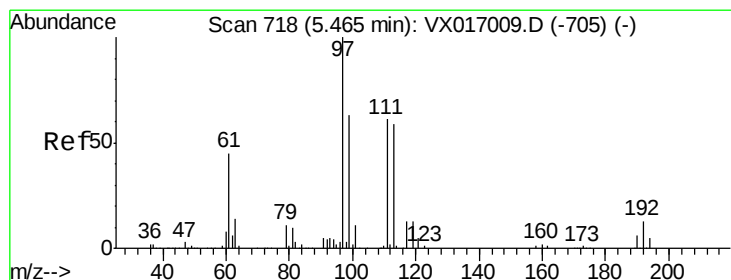
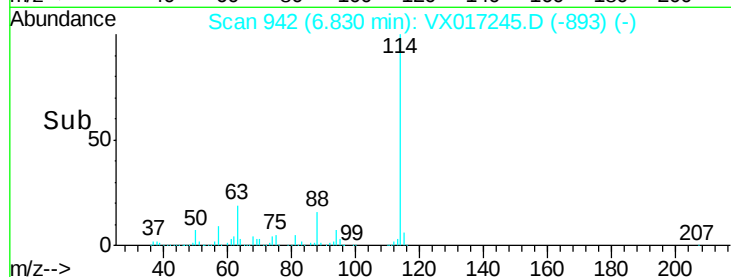
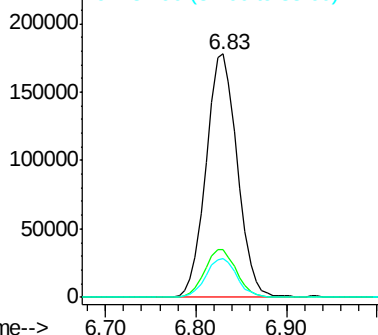
88 16.0 0.0 32.4



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: 53.211 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

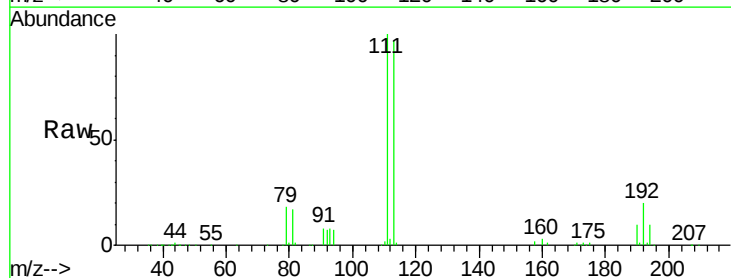
Tgt Ion:113 Resp: 142941

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

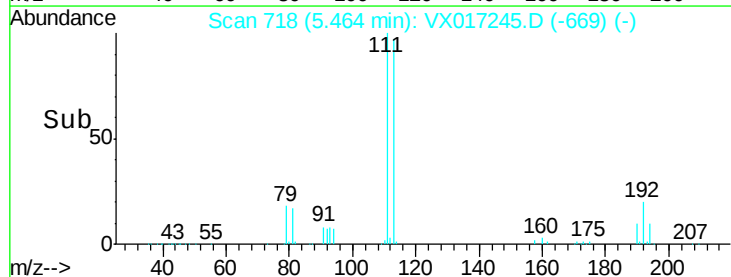
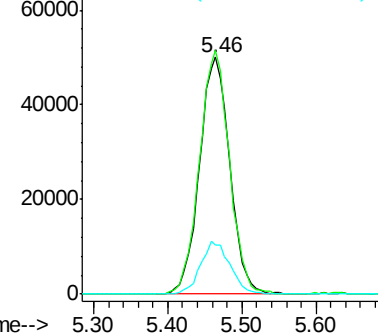
192 21.7 16.7 25.1

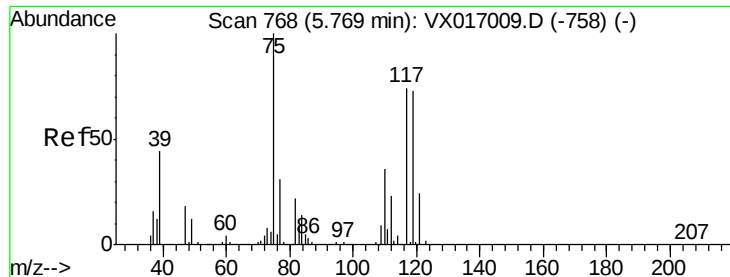


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

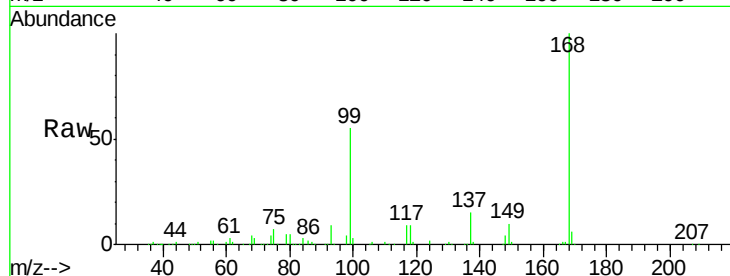
Tgt Ion: 75 Resp: 18470

Ion Ratio Lower Upper

75 100

110 12.2 18.1 54.1#

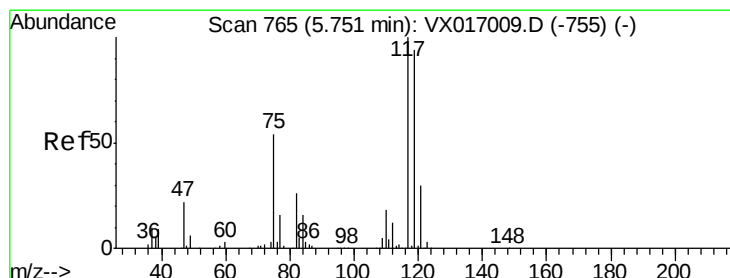
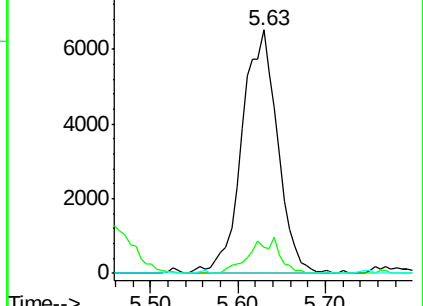
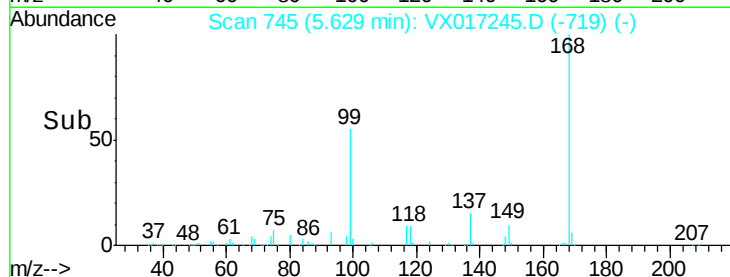
77 0.0 24.6 37.0#



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



#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

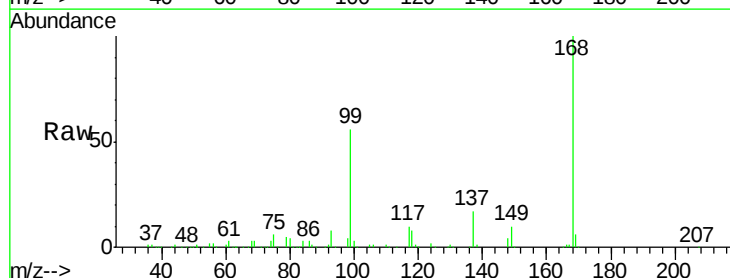
Tgt Ion: 117 Resp: 25336

Ion Ratio Lower Upper

117 100

119 4.4 75.4 113.0#

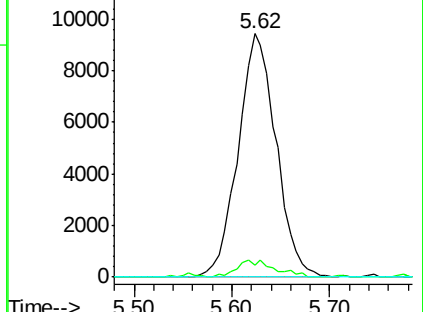
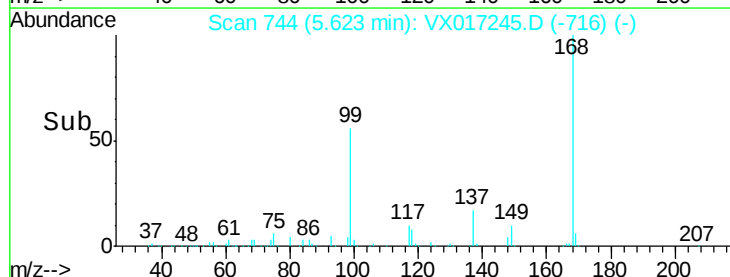
121 0.0 23.8 35.6#

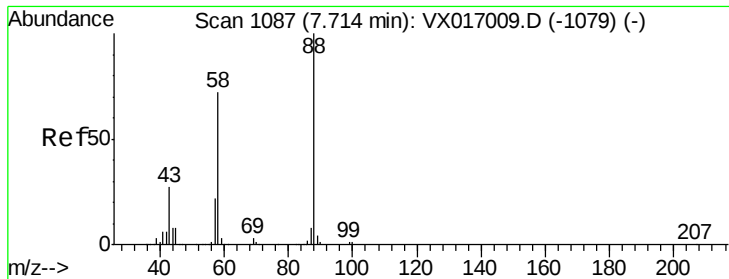


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

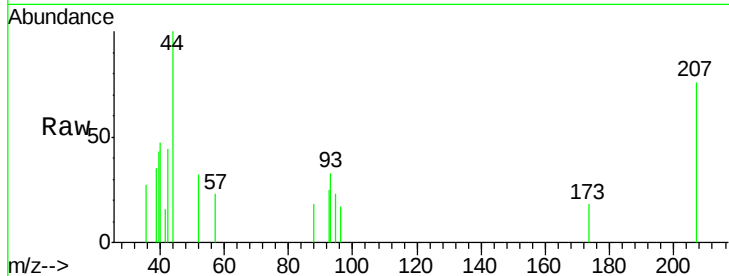




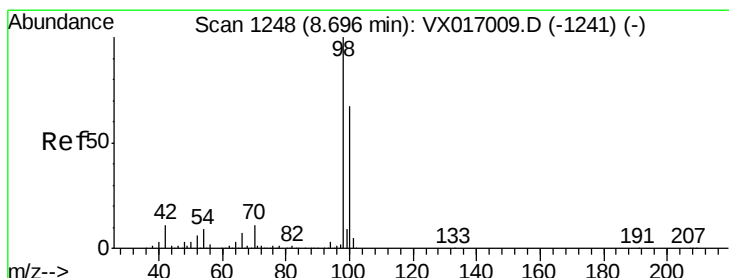
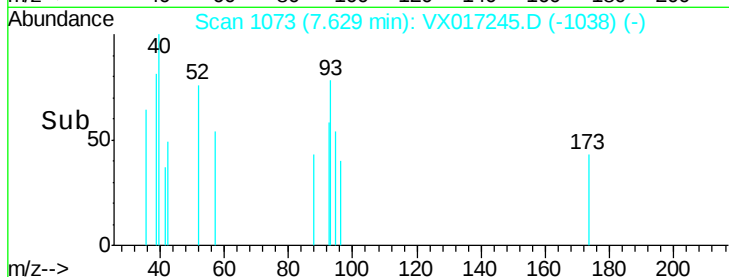
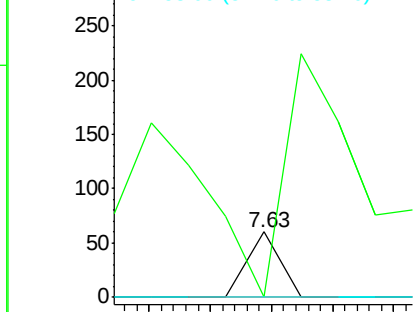
#49
1,4-Dioxane
Concen: 0.302 ug/l
RT: 7.63 min Scan# 1073
Delta R.T. -0.09 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1036.4 25.8 38.8#
58 0.0 54.8 82.2#

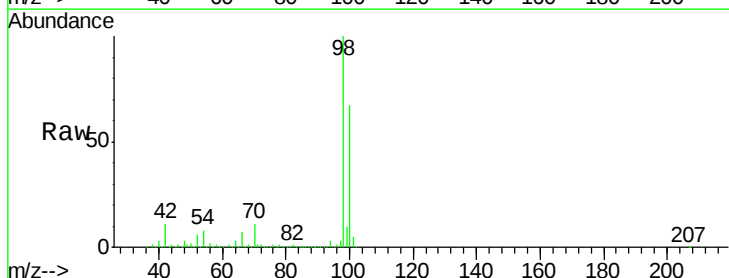


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

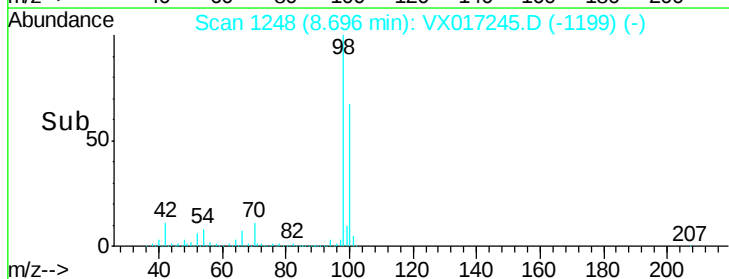
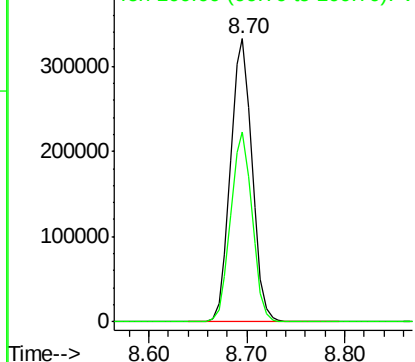


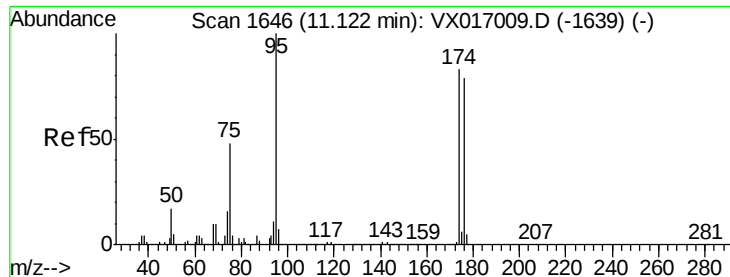
#50
Toluene-d8
Concen: 51.328 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017245.D
Acq: 08 Jul 2020 10:59

Tgt Ion: 98 Resp: 509860
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.045 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

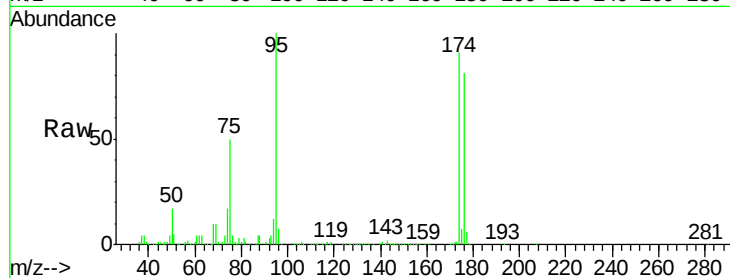
Tgt Ion: 95 Resp: 202097

Ion Ratio Lower Upper

95 100

174 87.6 0.0 164.0

176 81.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX017009.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017009.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017009.D (-1639) (-)

11.12

150000

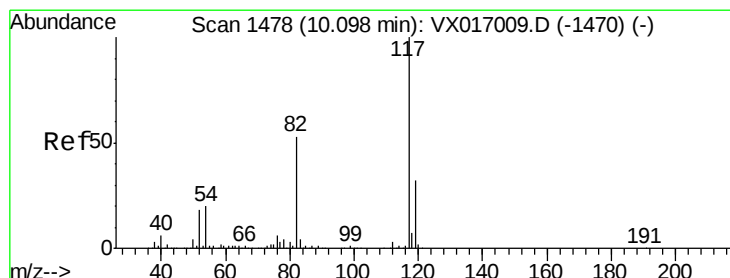
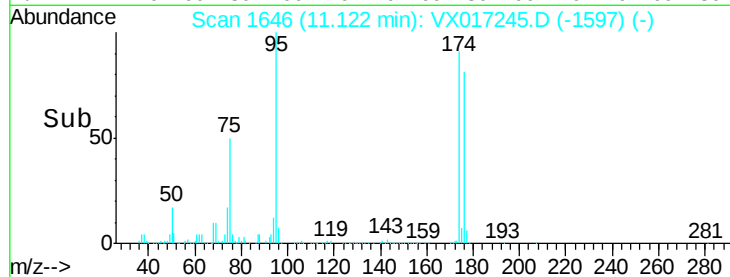
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

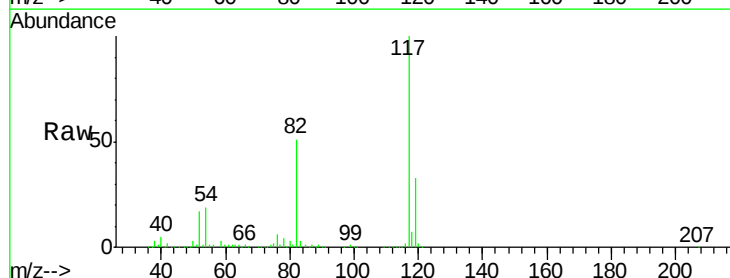
Tgt Ion: 117 Resp: 429336

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

119 33.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VX017009.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX017009.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX017009.D (-1470) (-)

10.10

400000

300000

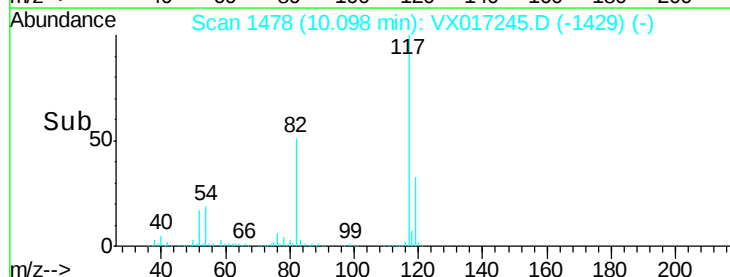
200000

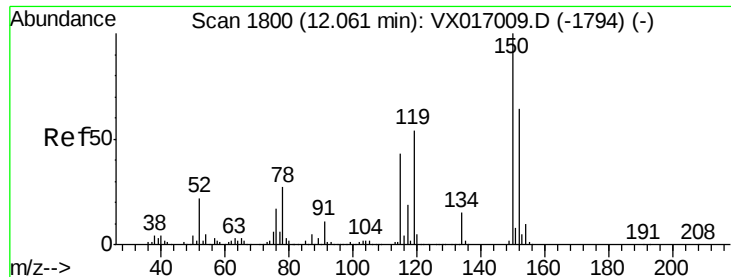
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

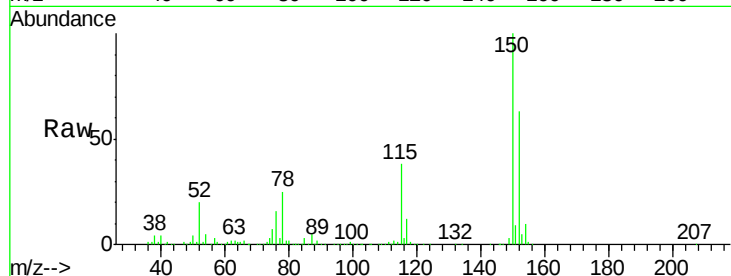
Tgt Ion:152 Resp: 213234

Ion Ratio Lower Upper

152 100

115 57.8 40.9 122.7

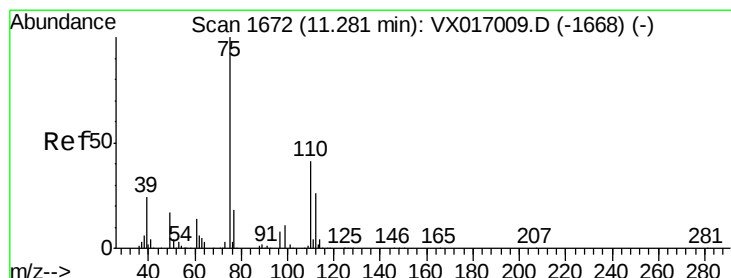
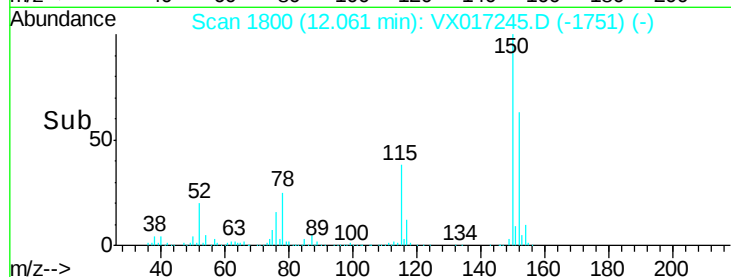
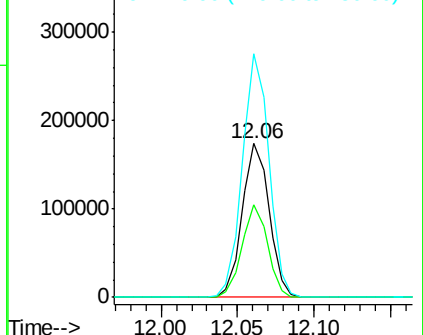
150 155.9 0.0 351.6



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: 24.088 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017245.D

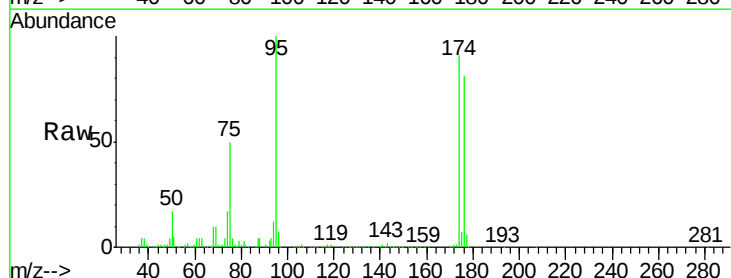
Acq: 08 Jul 2020 10:59

Tgt Ion: 75 Resp: 101004

Ion Ratio Lower Upper

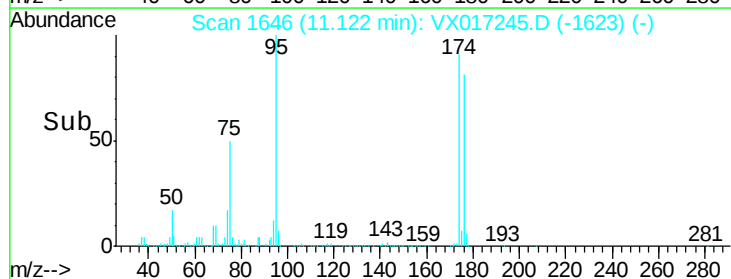
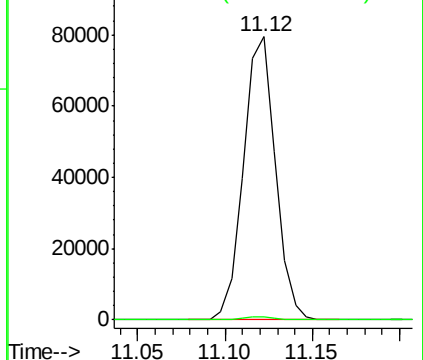
75 100

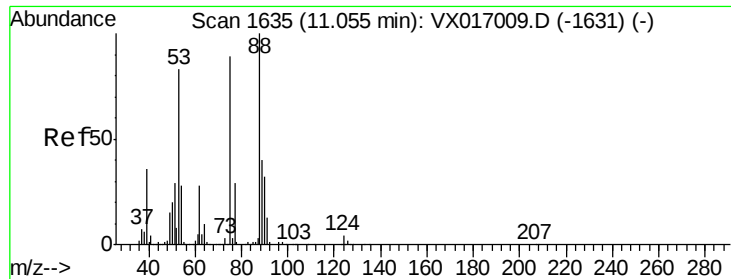
77 1.2 20.2 60.6#



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: 62.379 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampled :

VX0708WBL01

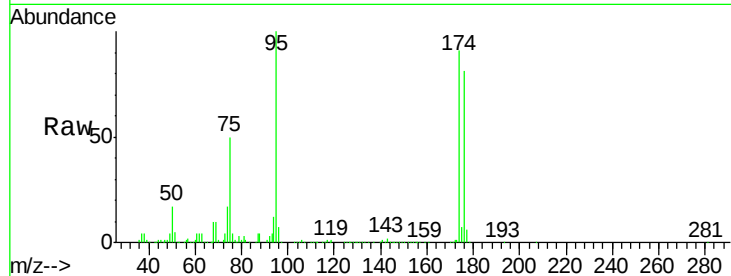
Tgt Ion: 75 Resp: 101004

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

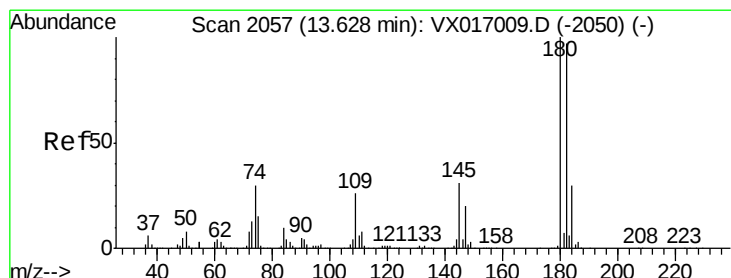
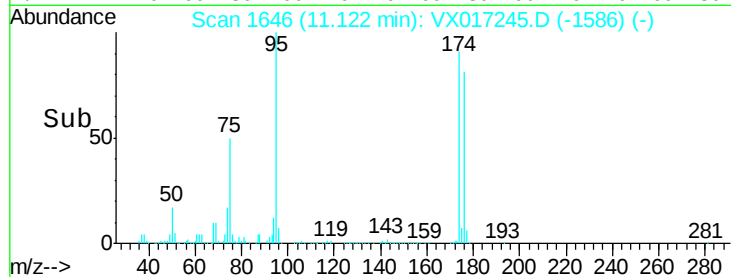
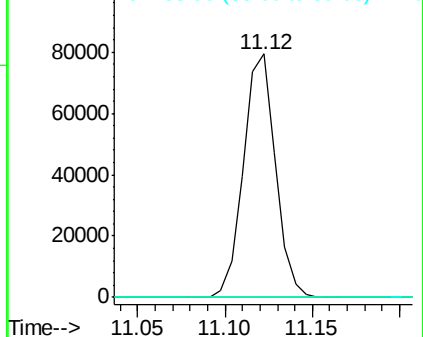
89 0.0 37.0 55.4#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.275 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

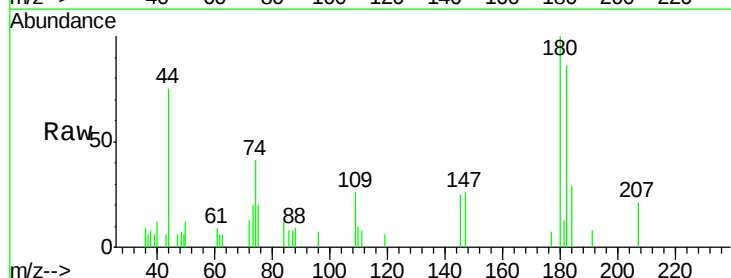
Tgt Ion: 180 Resp: 1225

Ion Ratio Lower Upper

180 100

182 112.0 47.3 141.9

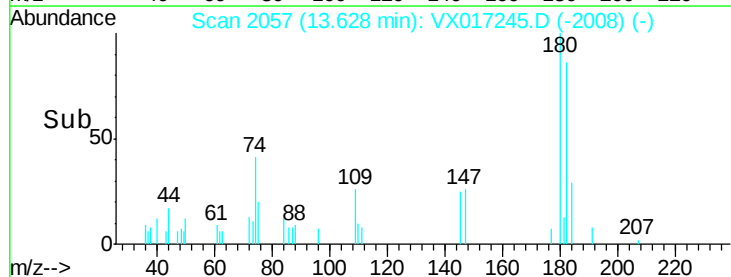
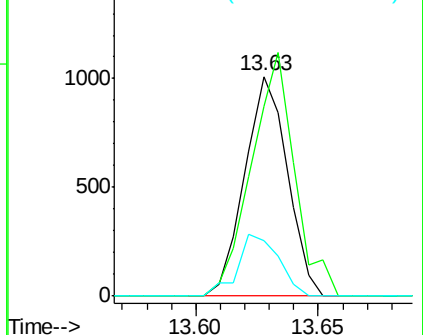
145 26.6 15.4 46.2

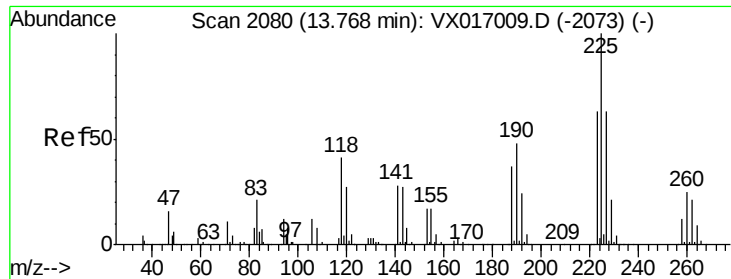


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.365 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

Instrument :

MSVOA_X

ClientSampled :

VX0708WBL01

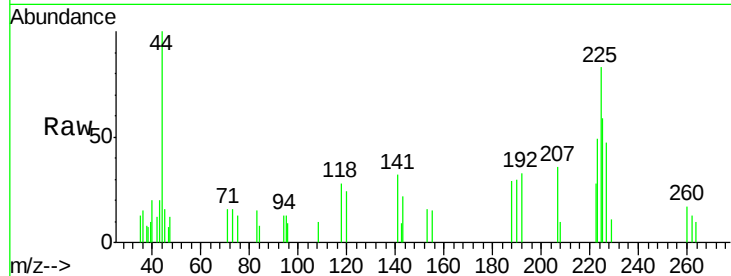
Tgt Ion:225 Resp: 894

Ion Ratio Lower Upper

225 100

223 70.2 32.5 97.5

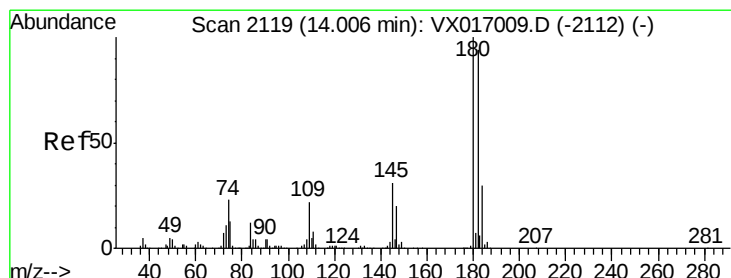
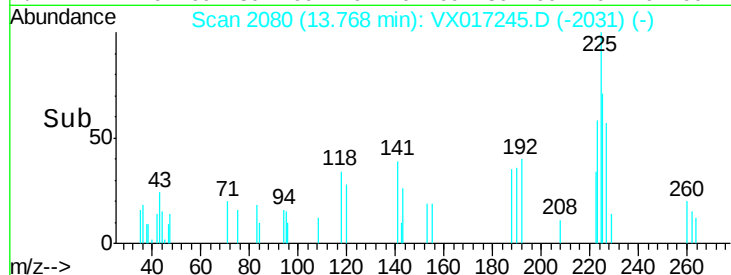
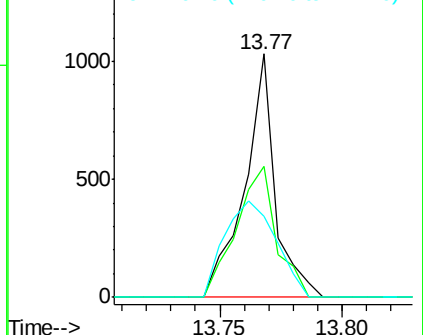
227 66.9 33.1 99.2



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



#96

1,2,3-Trichlorobenzene

Concen: 0.231 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX017245.D

Acq: 08 Jul 2020 10:59

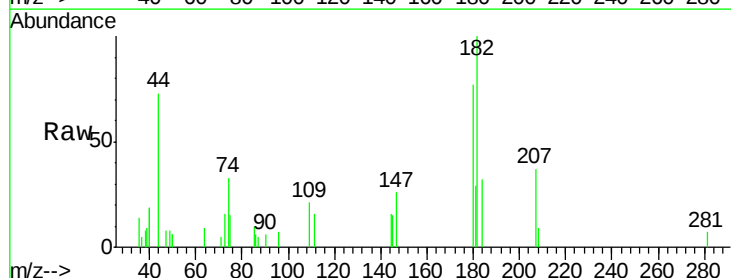
Tgt Ion:180 Resp: 996

Ion Ratio Lower Upper

180 100

182 142.6 47.1 141.4#

145 40.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

