

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052720\
 Data File : VX016459.D
 Acq On : 27 May 2020 20:38
 Operator : JC/SP
 Sample : L2750-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: May 28 02:59:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	282867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	459618	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	459060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234297	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	172442	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	5.47	113	134160	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	8.70	98	574505	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.12	95	230845	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	

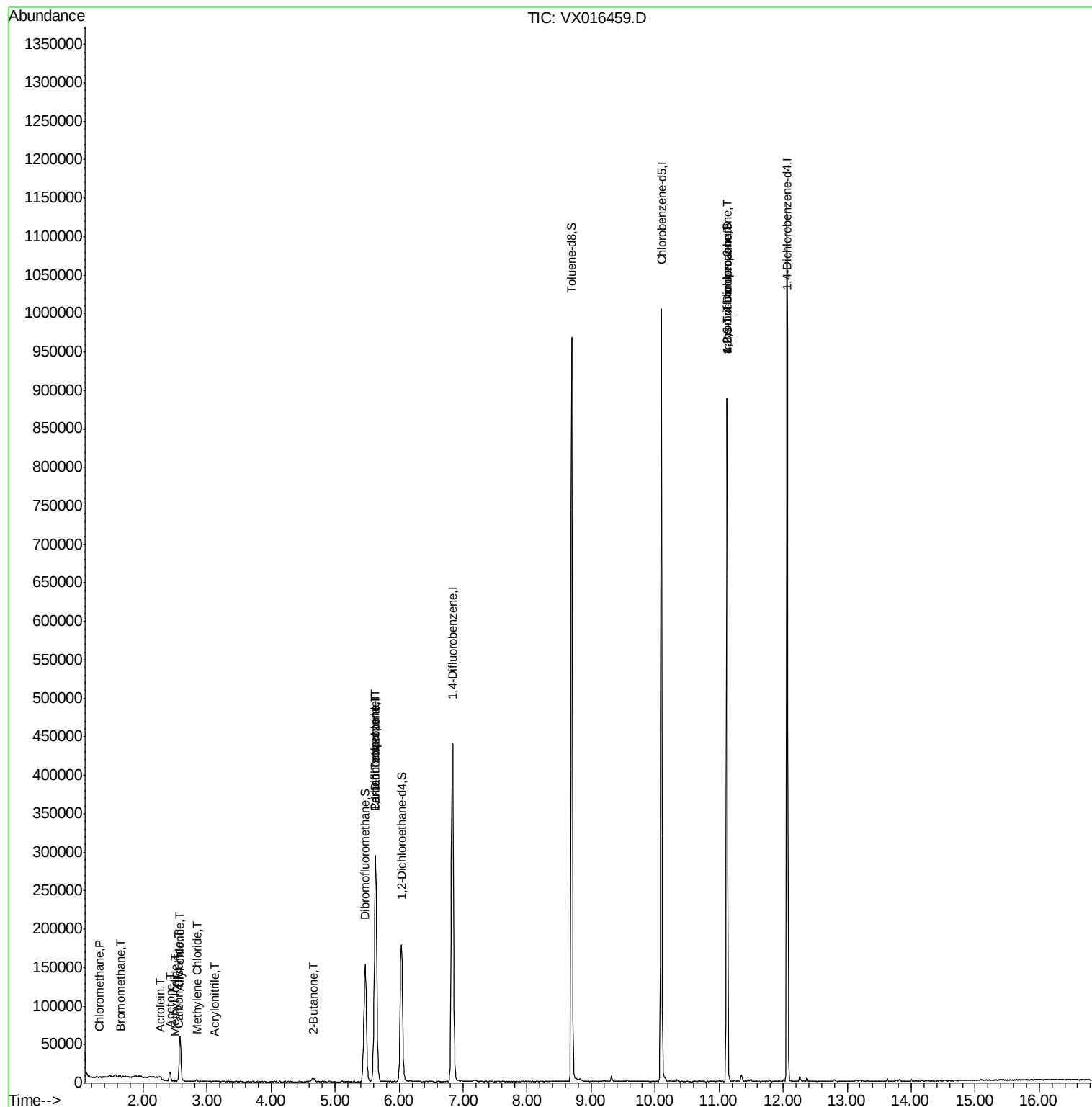
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	780	0.232	ug/l #	86
5) Bromomethane	1.65	94	619	0.358	ug/l #	33
10) Methyl Iodide	2.50	142	221	3.123	ug/l #	40
13) Acrolein	2.27	56	391	1.020	ug/l	97
14) Allyl chloride	2.57	41	6076	1.214	ug/l #	63
15) Acrylonitrile	3.12	53	387	0.210	ug/l #	82
16) Acetone	2.42	43	13085	8.502	ug/l	100
17) Carbon Disulfide	2.55	76	1981	0.245	ug/l #	77
20) Methylene Chloride	2.83	84	1136	0.357	ug/l #	85
25) 2-Butanone	4.66	43	1227	0.470	ug/l	98
36) 1,1-Dichloropropene	5.62	75	21346	4.905	ug/l #	50
38) Carbon Tetrachloride	5.63	117	27198	5.947	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	115162	22.362	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115162	55.006	ug/l #	14

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

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Quant Time: May 28 02:59:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

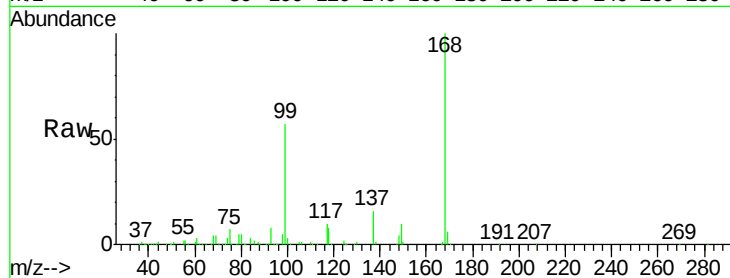
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 282867

Ion Ratio Lower Upper

168 100

99 56.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

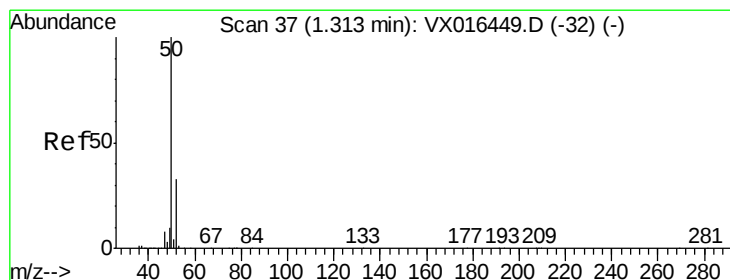
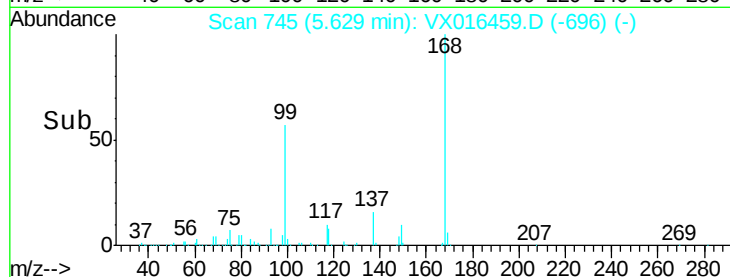
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.232 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016459.D

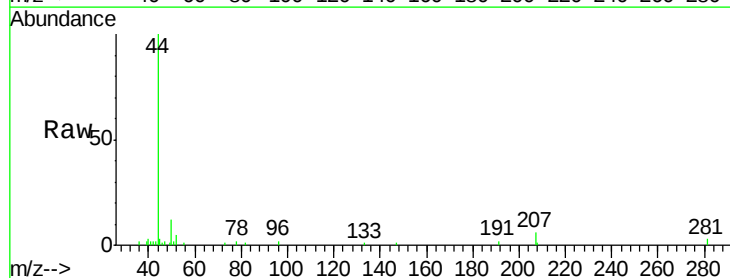
Acq: 27 May 2020 20:38

Tgt Ion: 50 Resp: 780

Ion Ratio Lower Upper

50 100

52 40.4 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

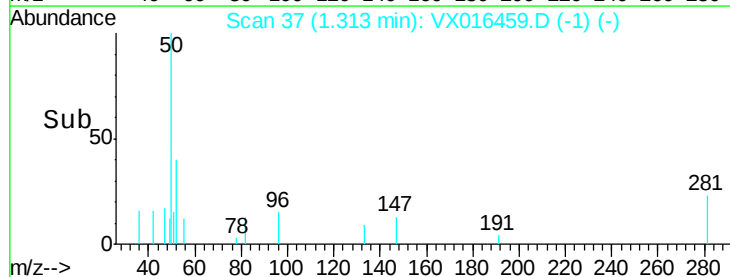
600

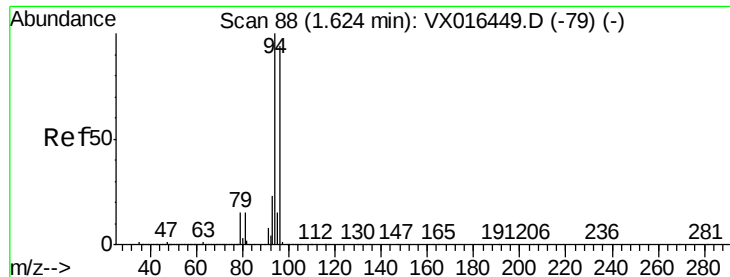
400

200

0

Time-->





#5

Bromomethane

Concen: 0.358 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

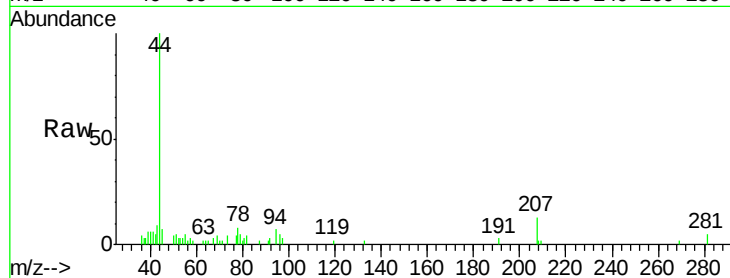
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 94 Resp: 619

Ion Ratio Lower Upper

94 100

96 28.8 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

200

100

0

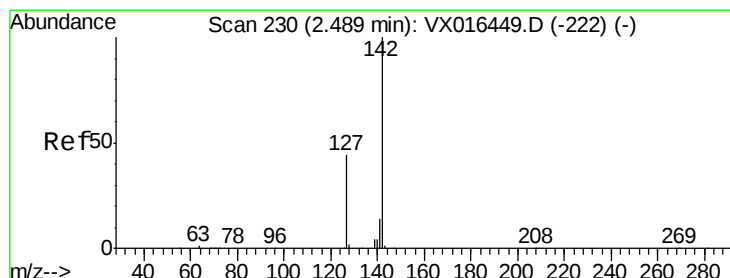
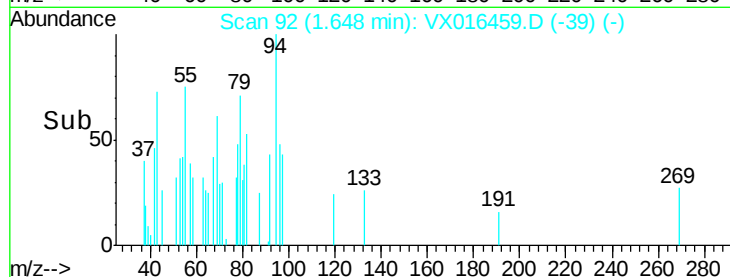
1.55

1.60

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 3.123 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

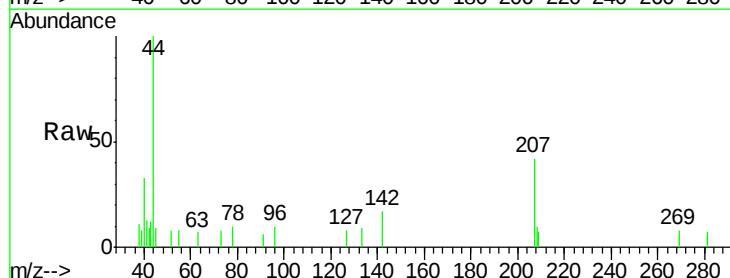
Tgt Ion: 142 Resp: 221

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.4 17.2#



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

150

100

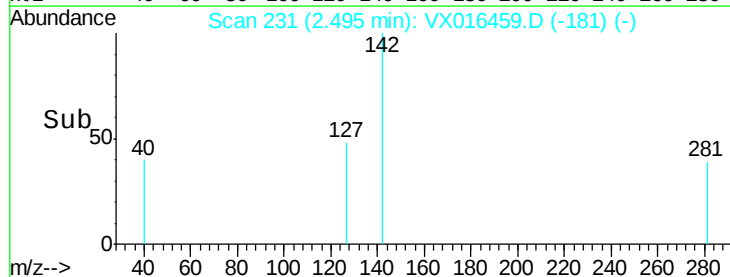
50

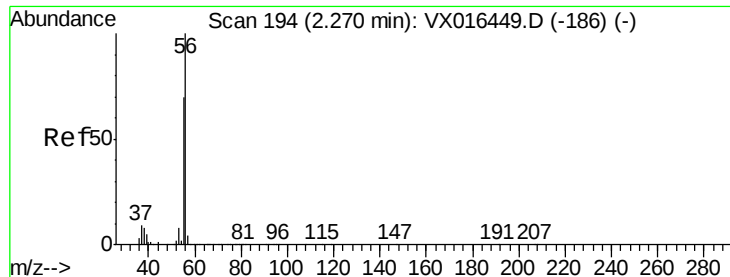
0

2.45

2.50

Time-->





#13

Acrolein

Concen: 1.020 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

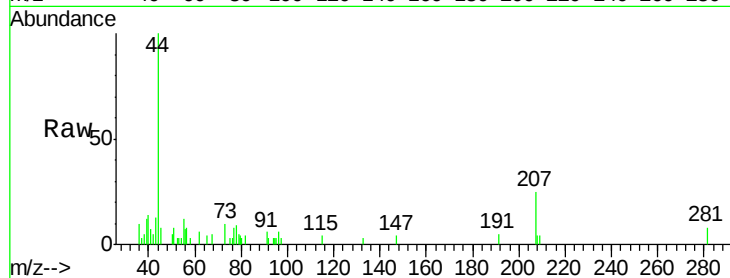
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 56 Resp: 391

Ion Ratio Lower Upper

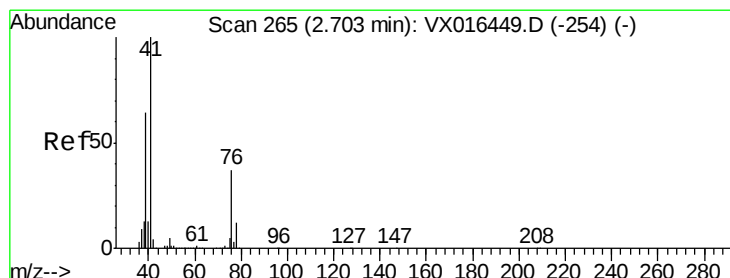
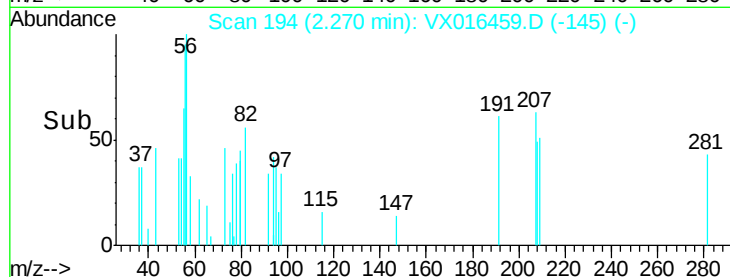
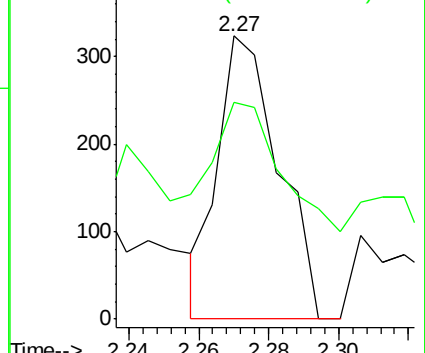
56 100

55 75.4 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.214 ug/l

RT: 2.57 min Scan# 244

Delta R.T. -0.13 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

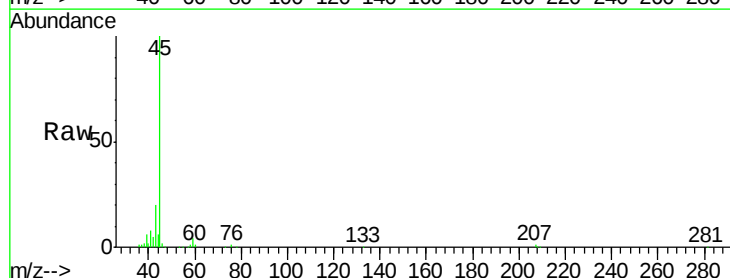
Tgt Ion: 41 Resp: 6076

Ion Ratio Lower Upper

41 100

39 78.3 47.7 71.5#

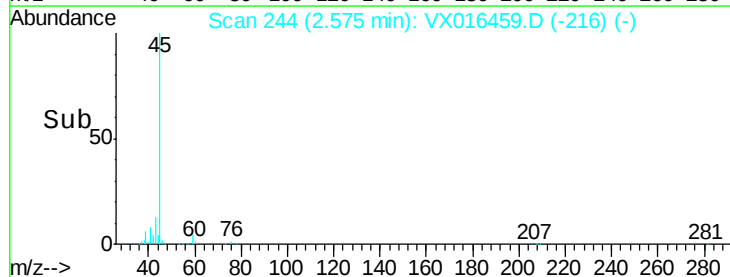
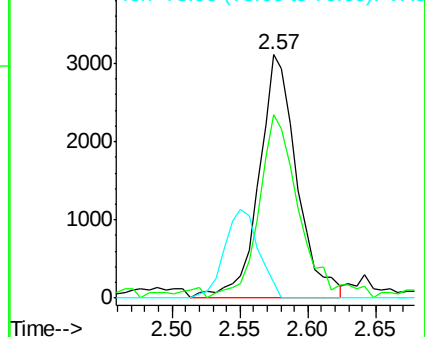
76 0.0 26.6 40.0#

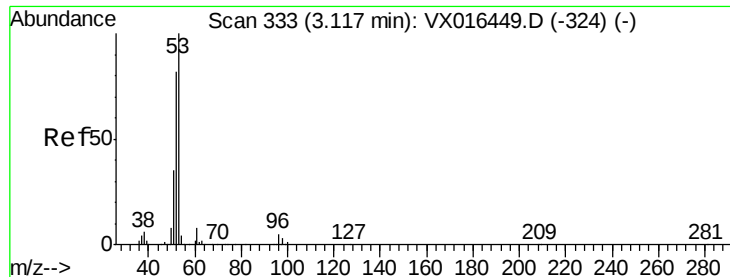


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

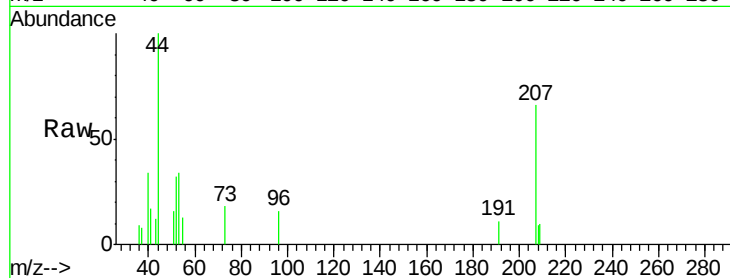
Tot Ion: 53 Resp: 387

Ion Ratio Lower Upper

53 100

52 104.9 66.7 100.1#

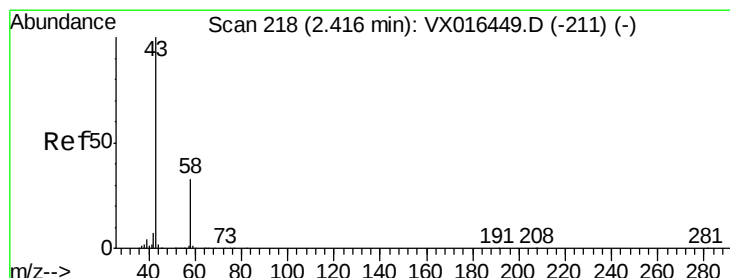
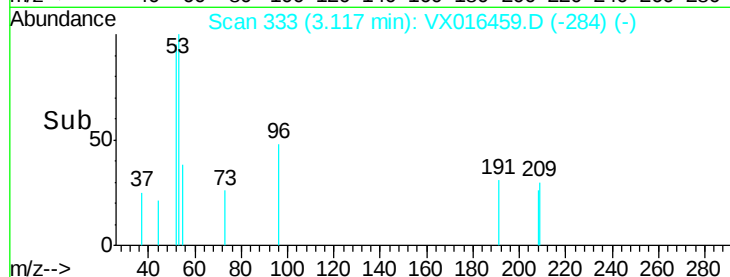
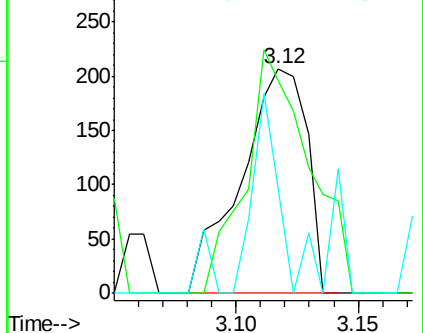
51 33.1 28.6 43.0



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: 8.502 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016459.D

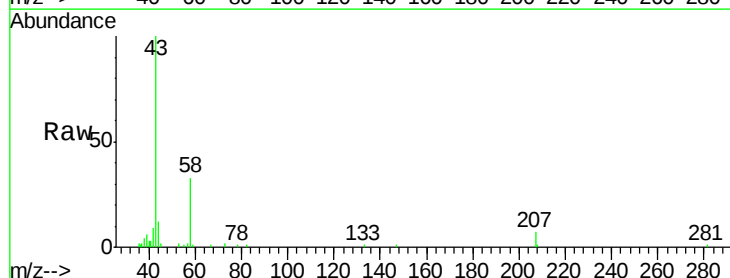
Acq: 27 May 2020 20:38

Tgt Ion: 43 Resp: 13085

Ion Ratio Lower Upper

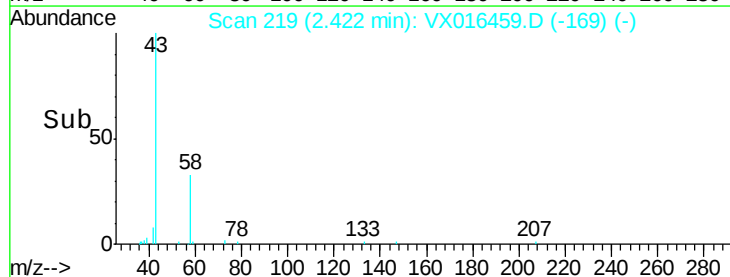
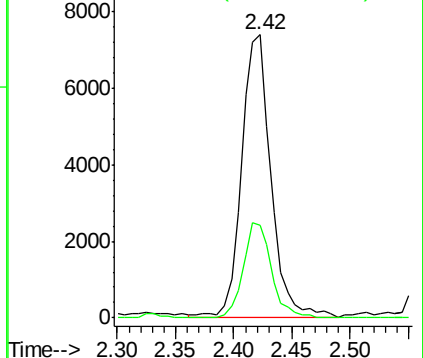
43 100

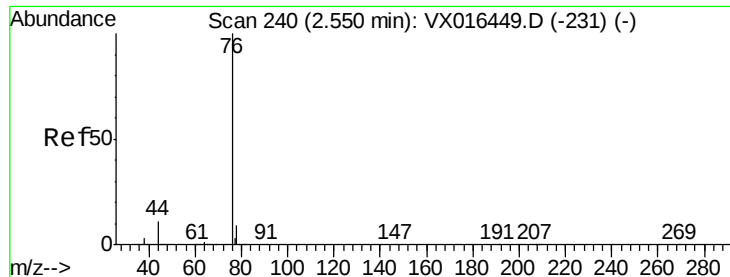
58 32.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

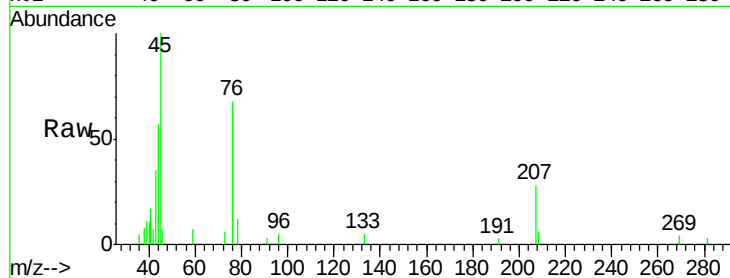
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 76 Resp: 1981

Ion Ratio Lower Upper

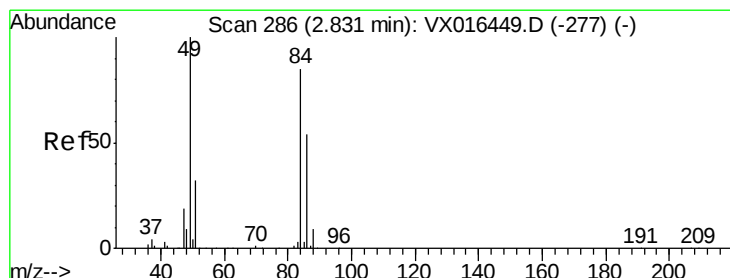
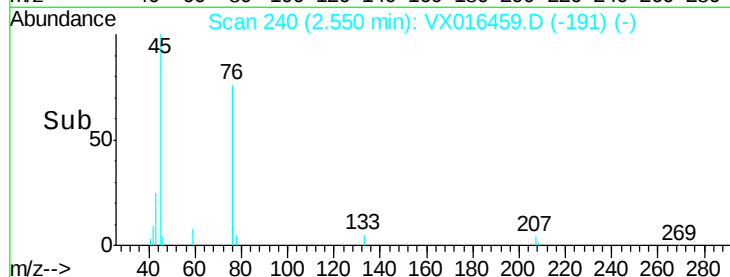
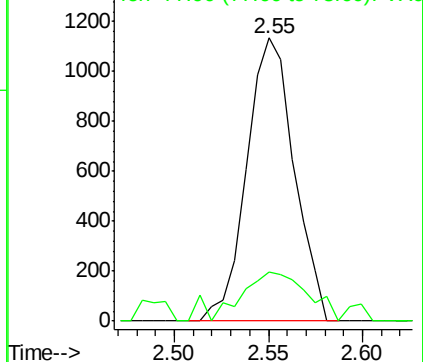
76 100

78 17.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.357 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Tgt Ion: 84 Resp: 1136

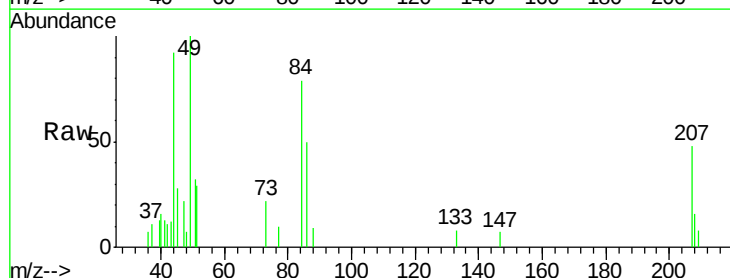
Ion Ratio Lower Upper

84 100

49 126.4 94.5 141.7

51 76.2 30.2 45.4#

86 63.3 51.1 76.7

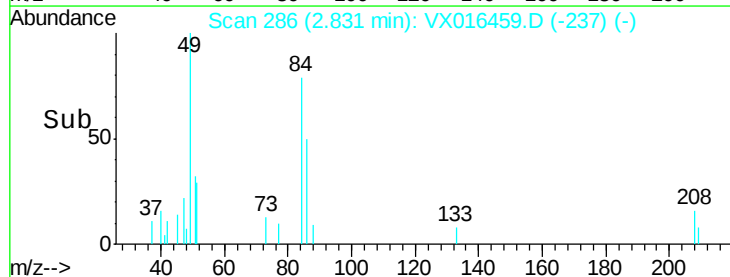
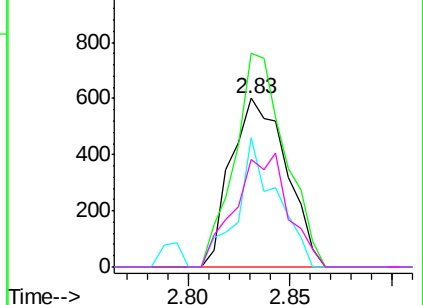


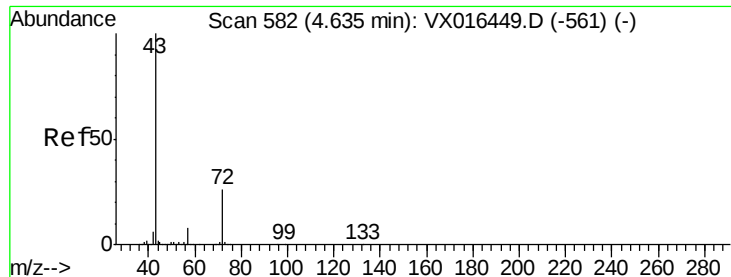
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.470 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

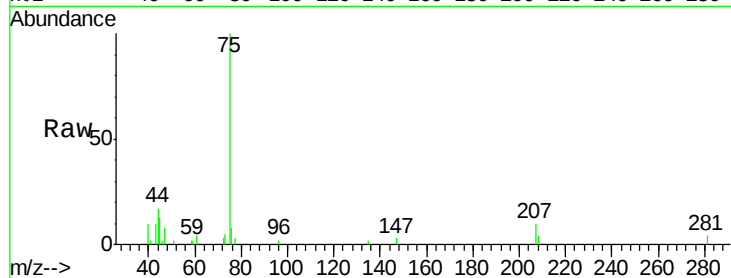
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 1227

Ion Ratio Lower Upper

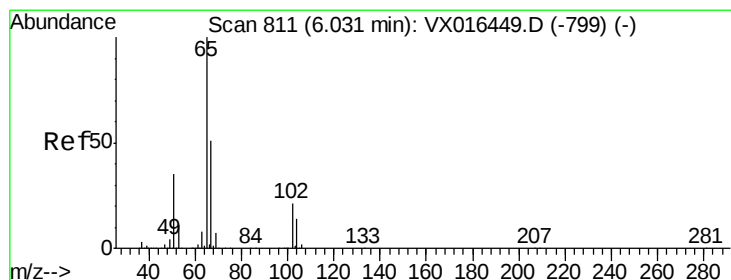
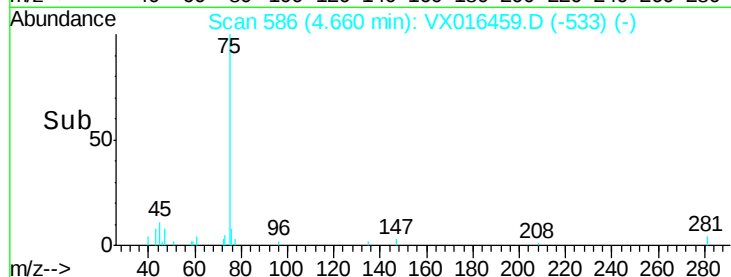
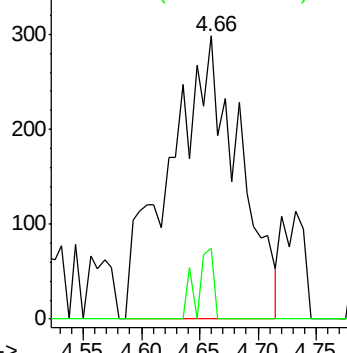
43 100

72 25.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.089 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016459.D

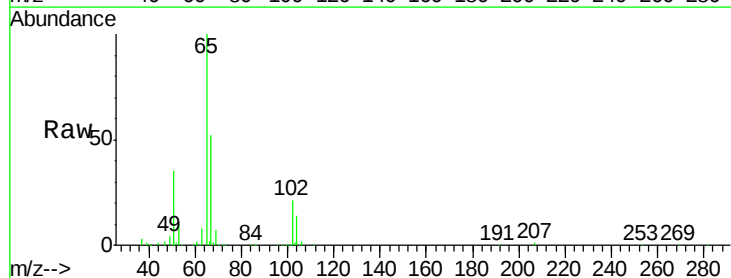
Acq: 27 May 2020 20:38

Tgt Ion: 65 Resp: 172442

Ion Ratio Lower Upper

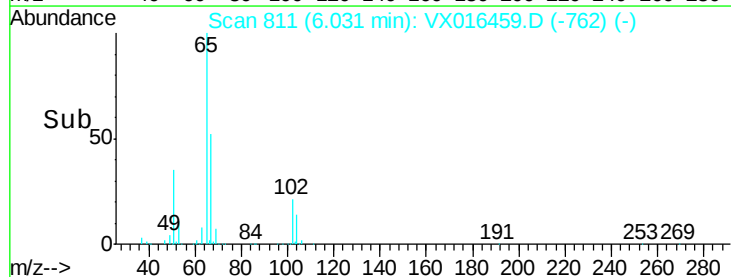
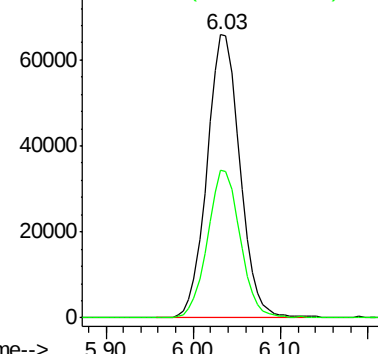
65 100

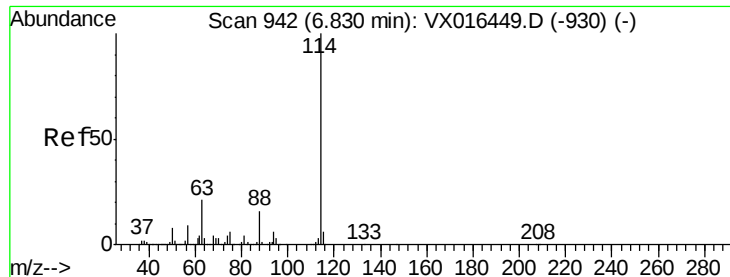
67 51.6 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

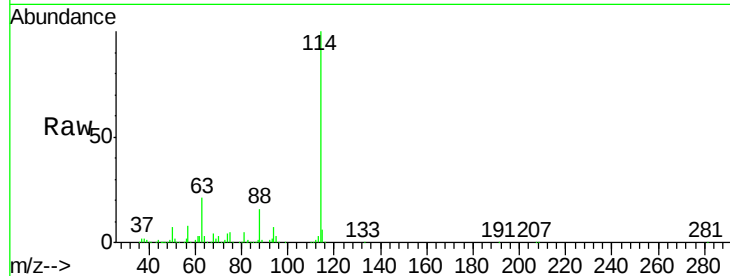
Tot Ion:114 Resp: 459618

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

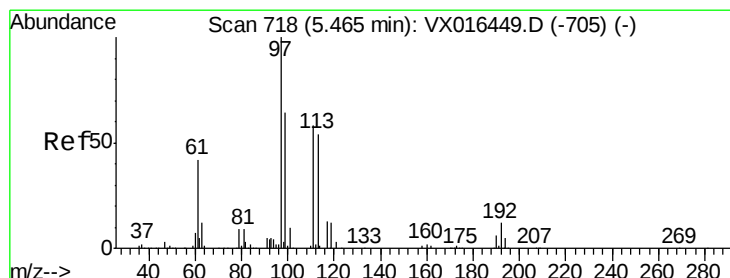
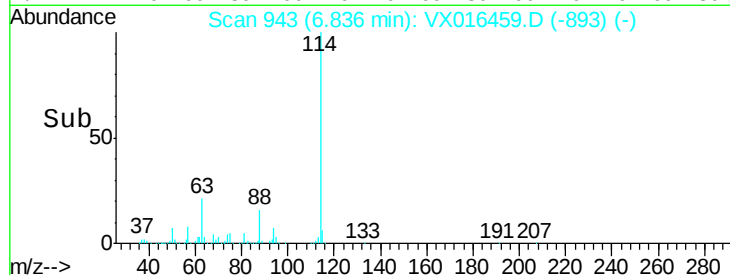
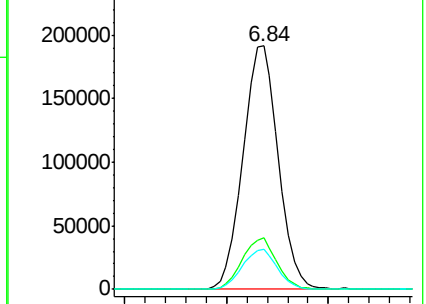
88 16.3 0.0 32.8



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: 47.405 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

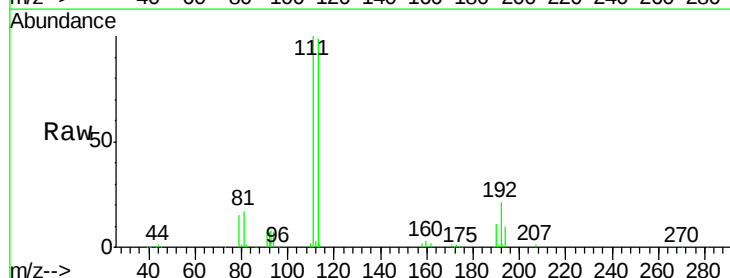
Tgt Ion:113 Resp: 134160

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.6

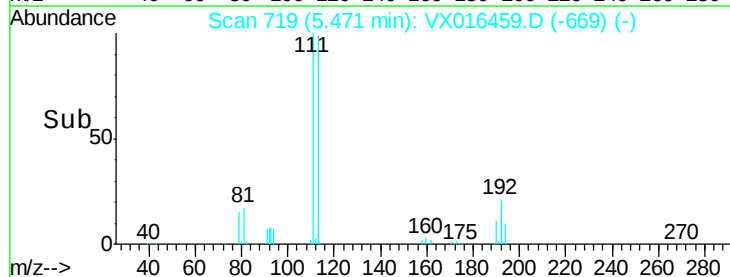
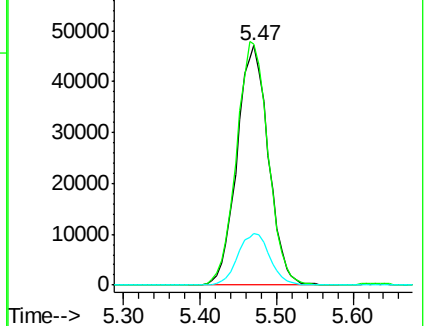
192 22.1 17.7 26.5

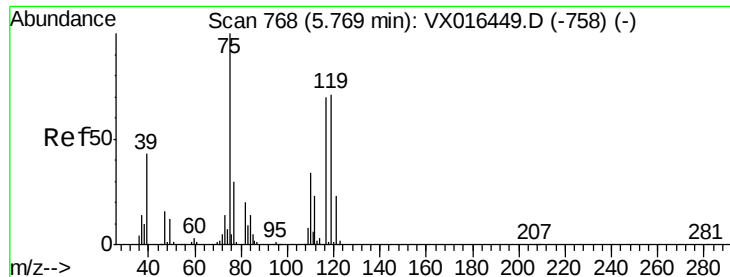


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.905 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

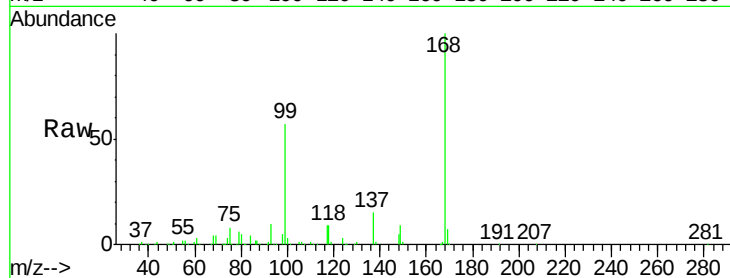
Tot Ion: 75 Resp: 21346

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

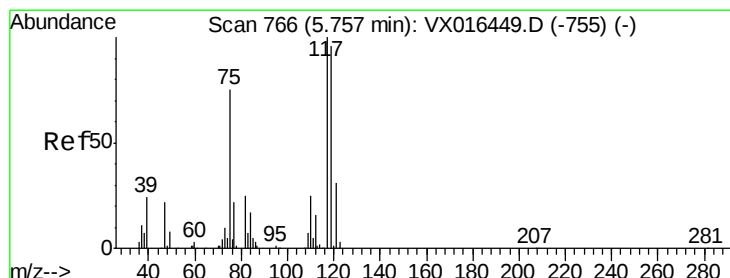
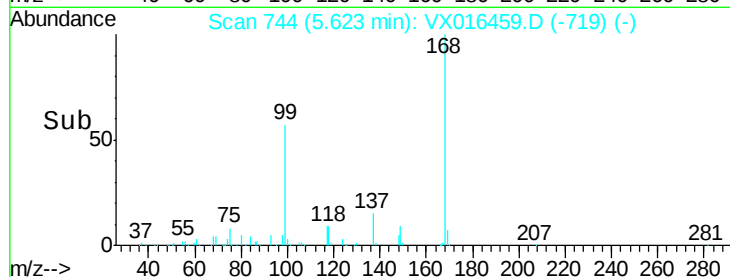
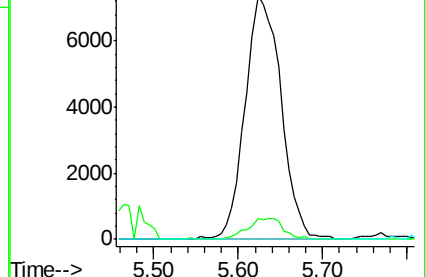
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VX016449.D (-758) (-)

Ion 109.90 (109.60 to 110.60): VX016449.D (-758) (-)

Ion 76.90 (76.60 to 77.60): VX016449.D (-758) (-)



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

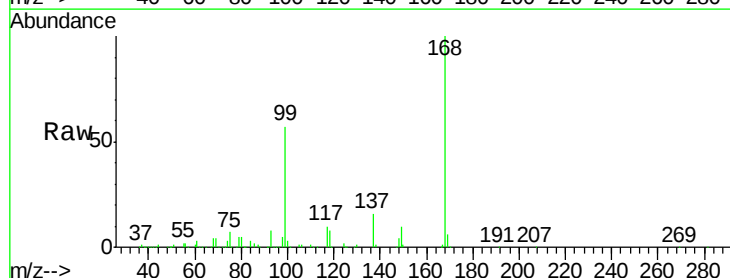
Tgt Ion: 117 Resp: 27198

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

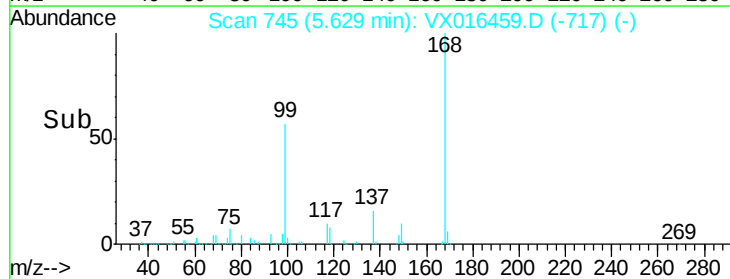
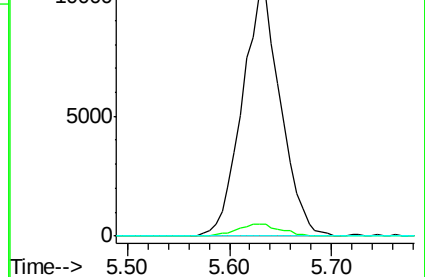
121 0.0 24.6 37.0#

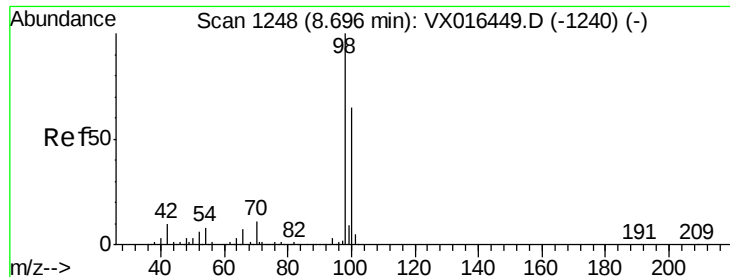


Abundance Ion 116.80 (116.50 to 117.50): VX016449.D (-755) (-)

Ion 118.80 (118.50 to 119.50): VX016449.D (-755) (-)

Ion 120.80 (120.50 to 121.50): VX016449.D (-755) (-)





#50

Toluene-d8

Concen: 52.155 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

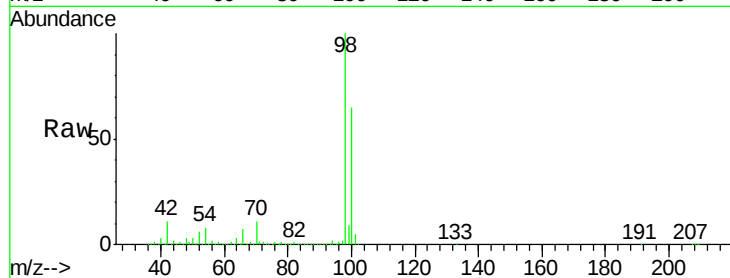
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 574505

Ion Ratio Lower Upper

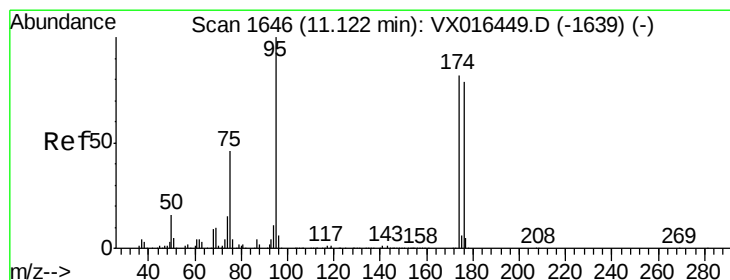
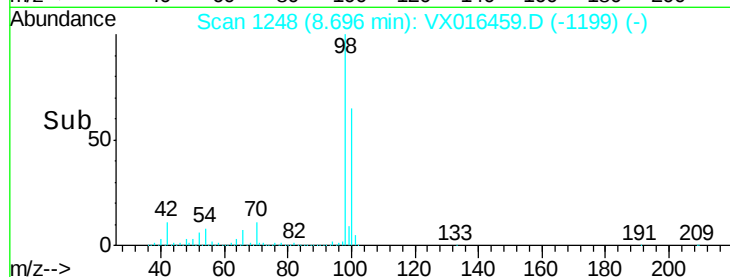
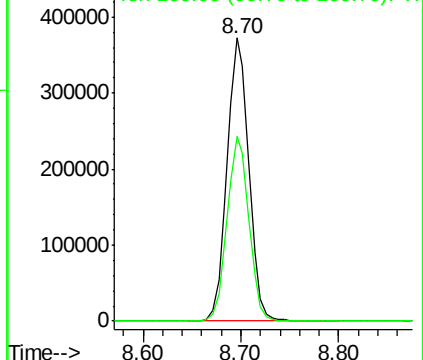
98 100

100 65.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 54.236 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

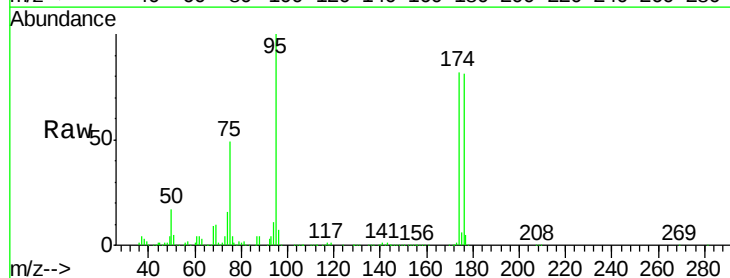
Tgt Ion: 95 Resp: 230845

Ion Ratio Lower Upper

95 100

174 82.0 0.0 163.0

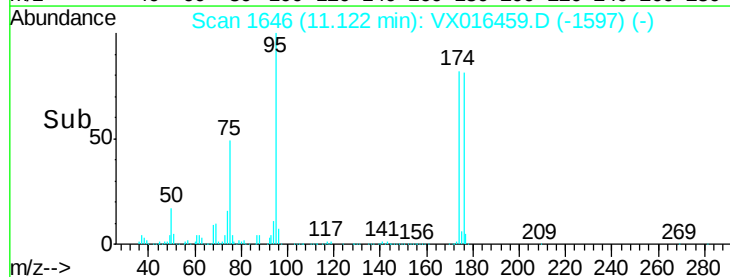
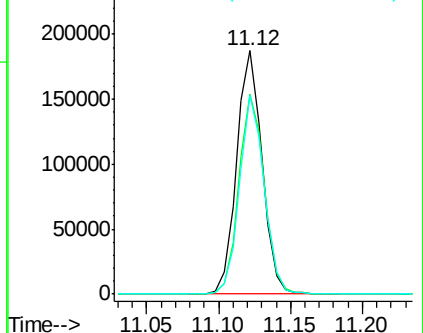
176 79.0 0.0 156.8

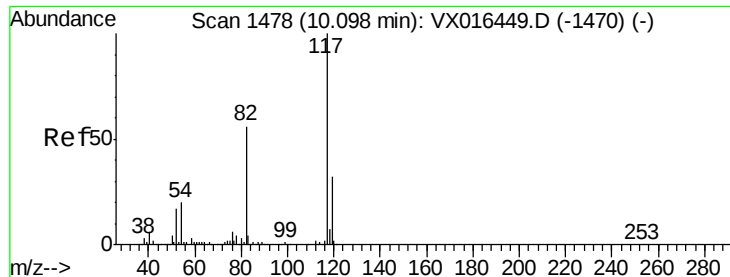


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

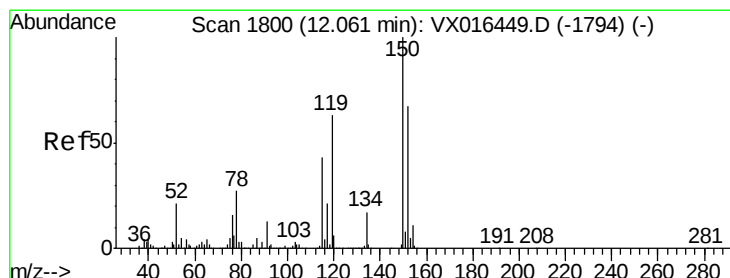
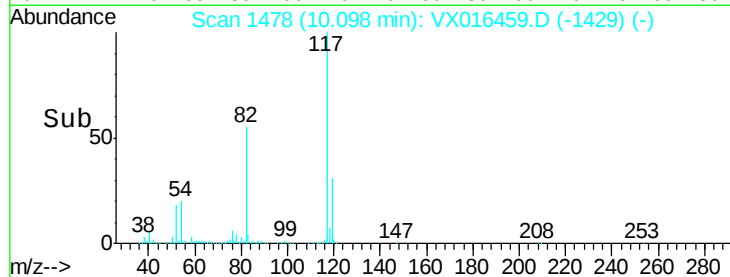
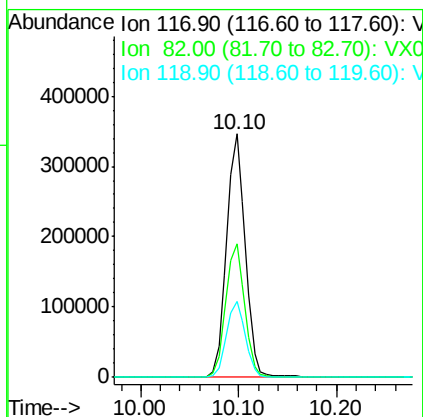
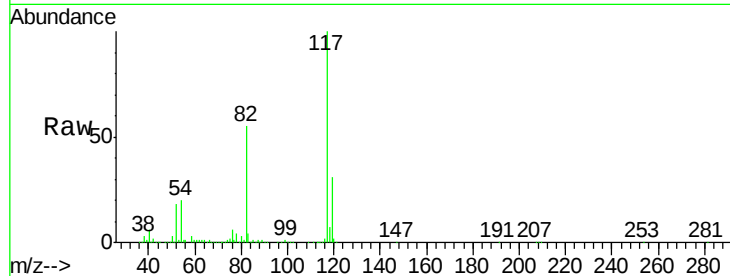




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016459.D
Acq: 27 May 2020 20:38

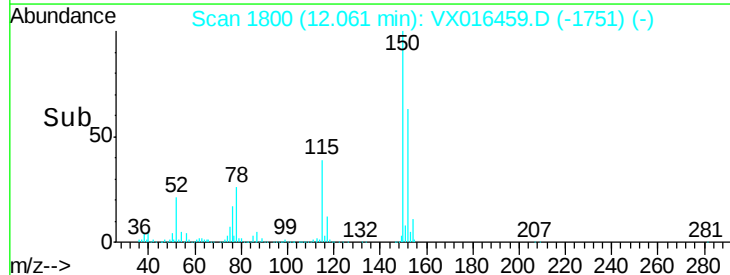
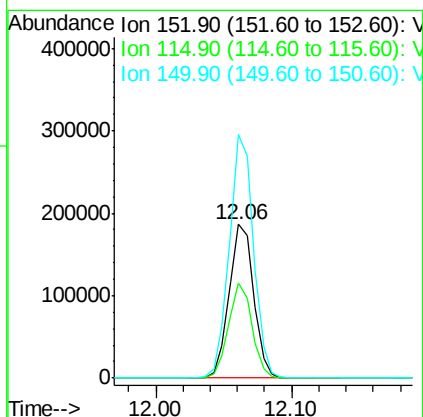
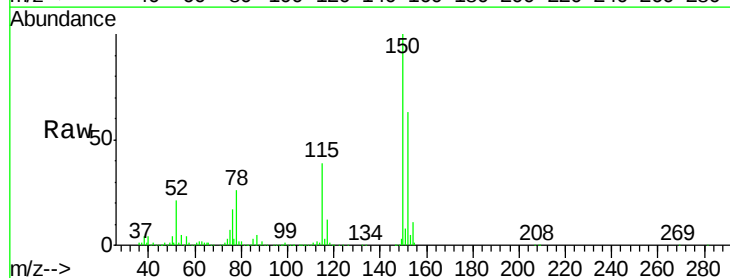
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

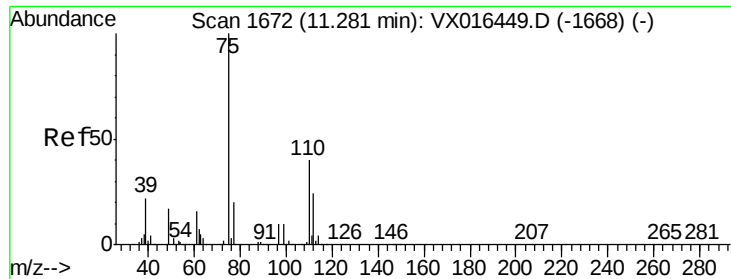
Tot Ion:117 Resp: 459060
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.6
119 31.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016459.D
Acq: 27 May 2020 20:38

Tgt Ion:152 Resp: 234297
Ion Ratio Lower Upper
152 100
115 59.0 39.9 119.6
150 155.6 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.362 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Instrument :

MSVOA_X

ClientSampleId :

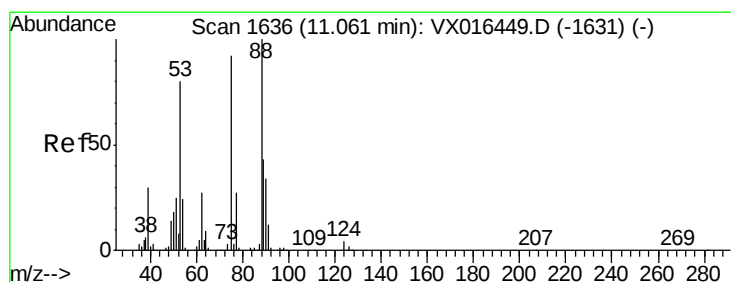
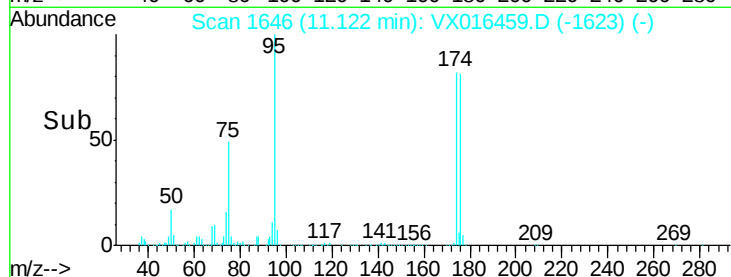
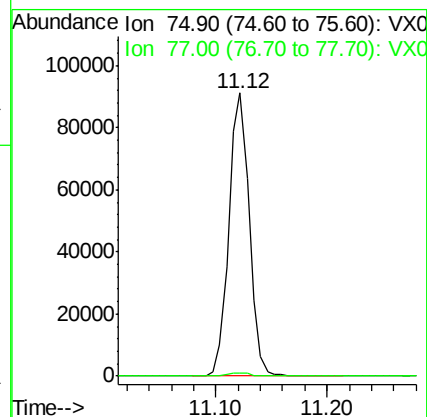
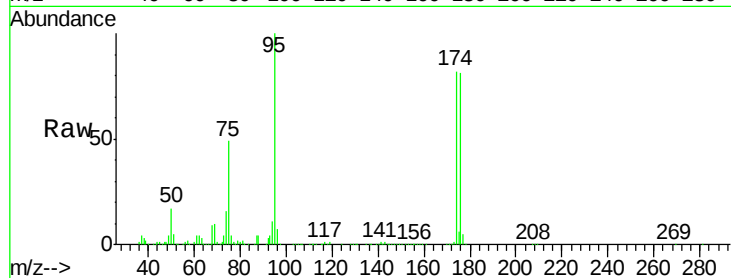
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 75 Resp: 115162

Ion Ratio Lower Upper

75 100

77 1.2 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.006 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016459.D

Acq: 27 May 2020 20:38

Tgt Ion: 75 Resp: 115162

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

