

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016646.D
 Acq On : 08 Jun 2020 18:42
 Operator : JC/SP
 Sample : L2949-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 09 05:47:54 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	5.64	168	219228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	350501	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	358635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	181704	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	131218	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	5.47	113	106331	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.70	98	435482	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	11.12	95	175345	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

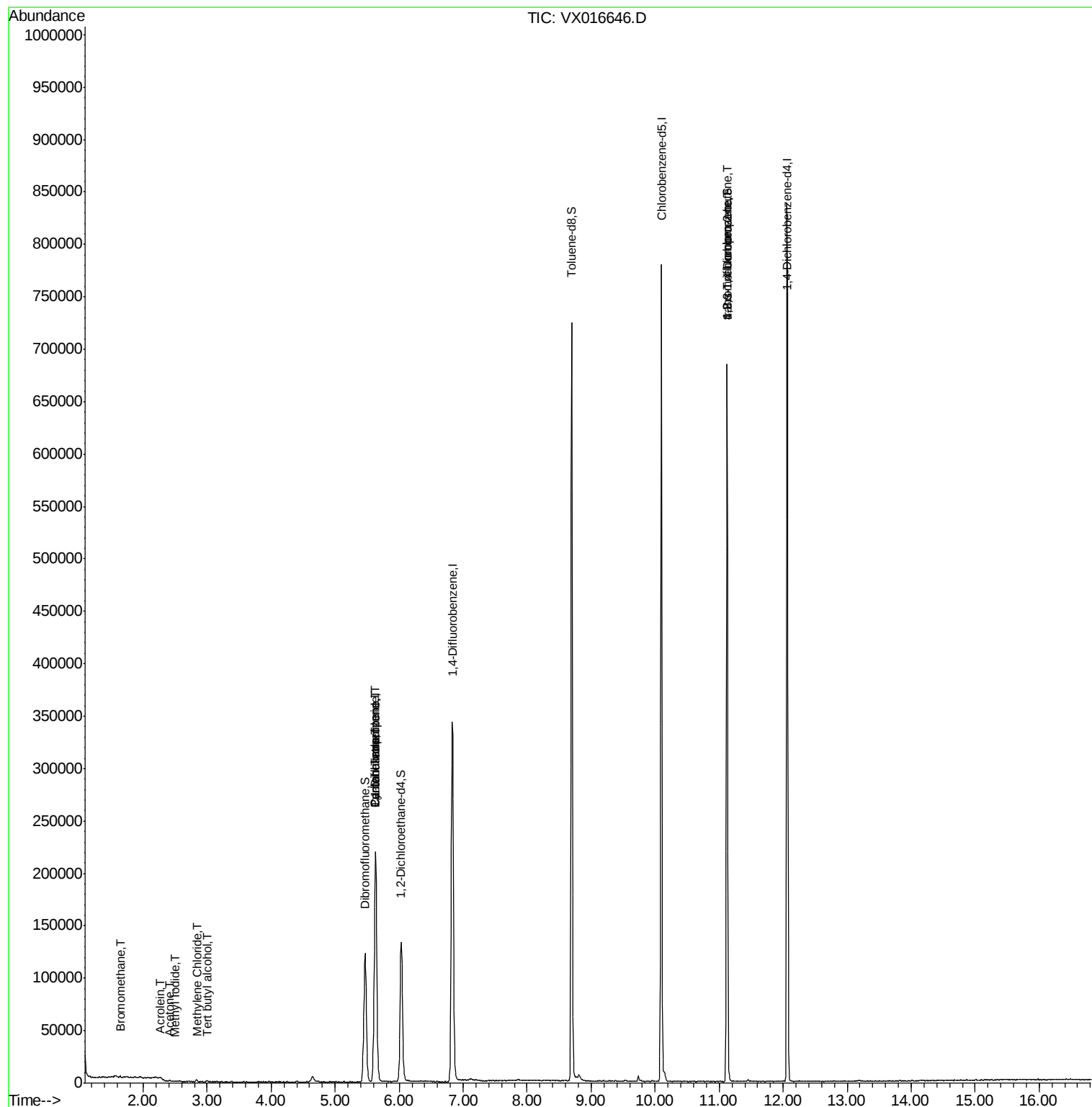
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	289	0.22	ug/l #	40
10) Methyl Iodide	2.50	142	61	3.08	ug/l #	40
11) Tert butyl alcohol	3.00	59	564	0.81	ug/l #	72
13) Acrolein	2.27	56	243	0.82	ug/l #	13
16) Acetone	2.42	43	563	0.47	ug/l #	62
20) Methylene Chloride	2.84	84	816	0.33	ug/l #	61
31) Cyclohexane	5.63	56	3988	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15692	4.73	ug/l #	51
38) Carbon Tetrachloride	5.63	117	21408	6.14	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	84744	21.22	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	84744	52.19	ug/l #	14

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

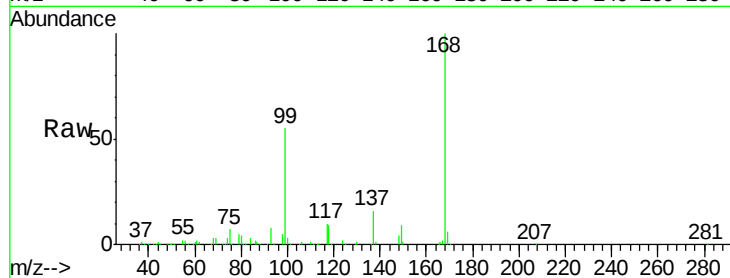
TRIP-BLANK

Tgt Ion:168 Resp: 219228

Ion Ratio Lower Upper

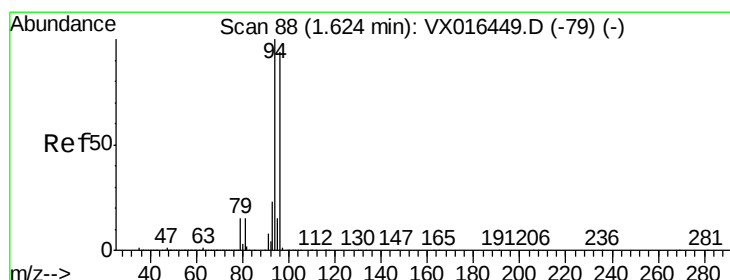
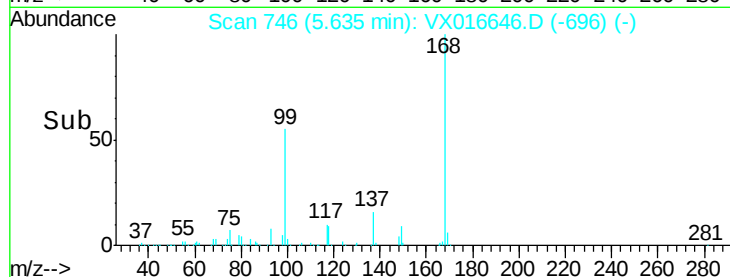
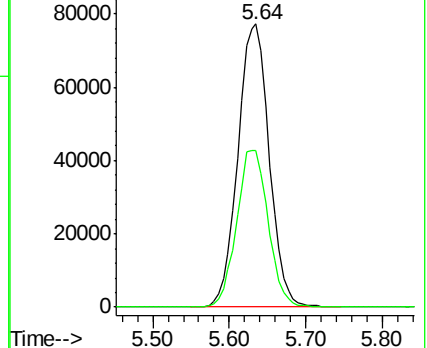
168 100

99 55.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.22 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016646.D

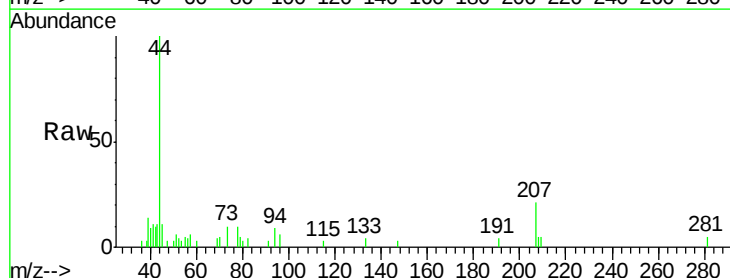
Acq: 08 Jun 2020 18:42

Tgt Ion: 94 Resp: 289

Ion Ratio Lower Upper

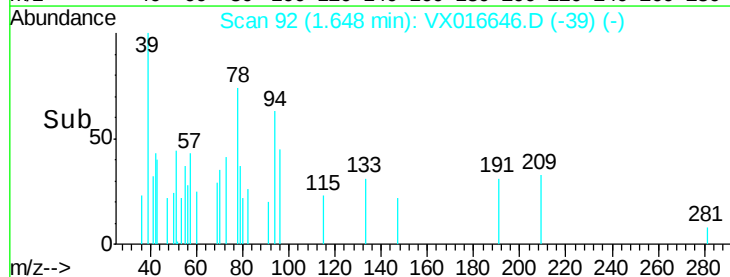
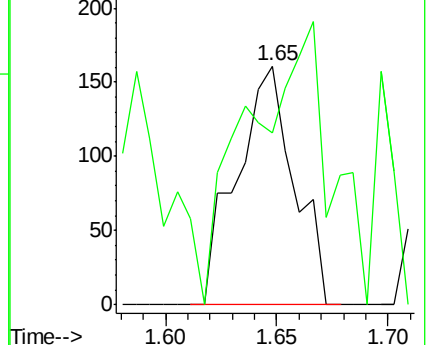
94 100

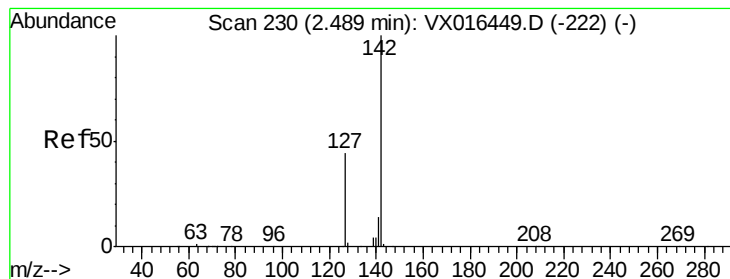
96 36.0 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 3.08 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

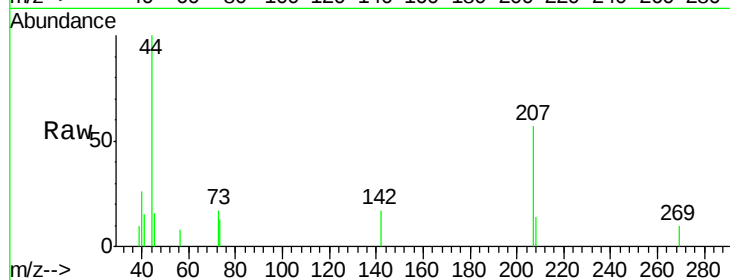
Tgt Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

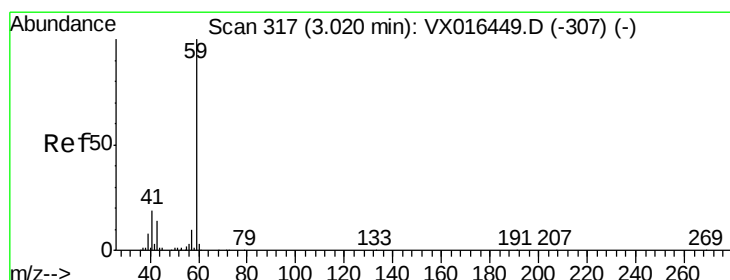
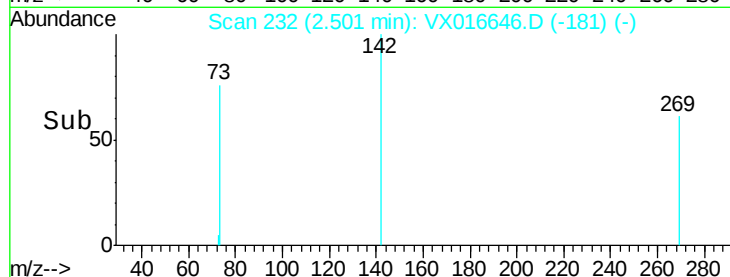
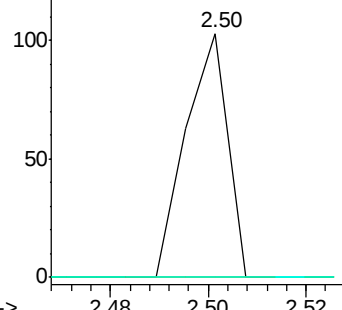
141 0.0 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 0.81 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016646.D

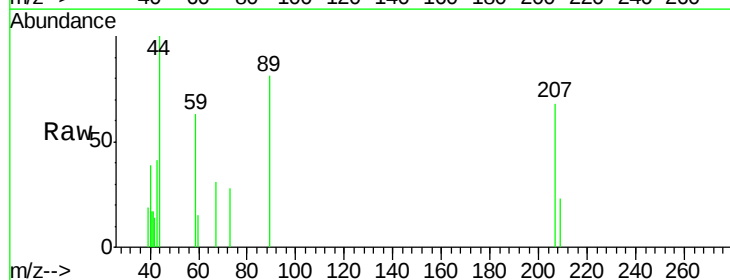
Acq: 08 Jun 2020 18:42

Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

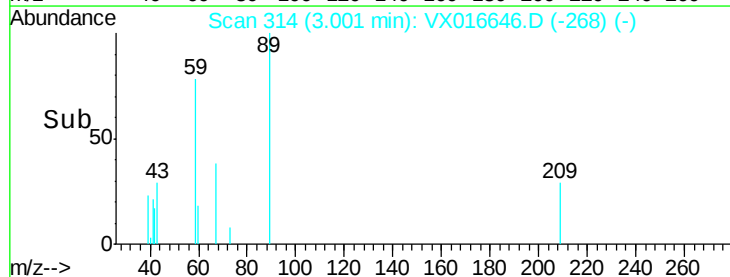
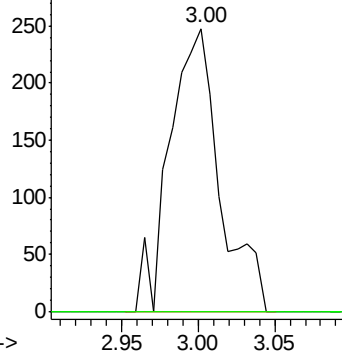
59 100

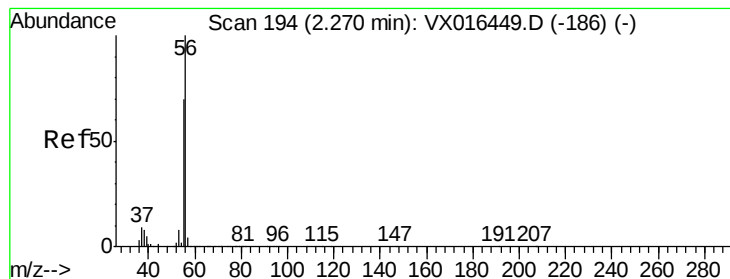
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.82 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

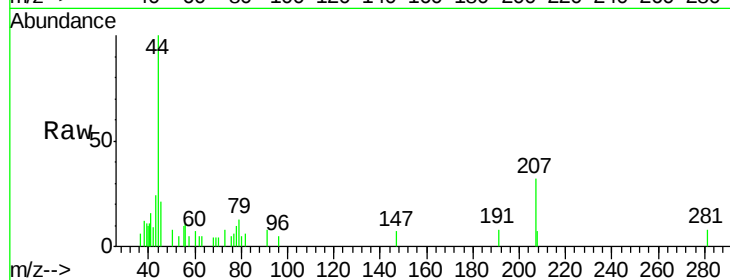
TRIP-BLANK

Tgt Ion: 56 Resp: 243

Ion Ratio Lower Upper

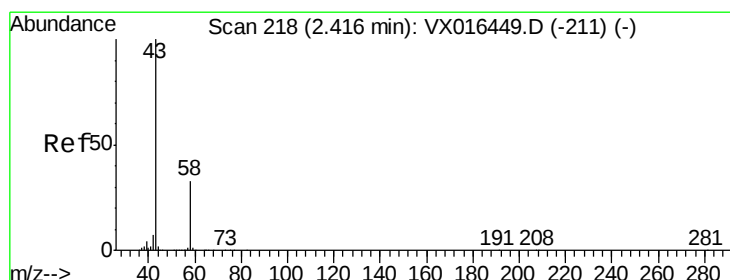
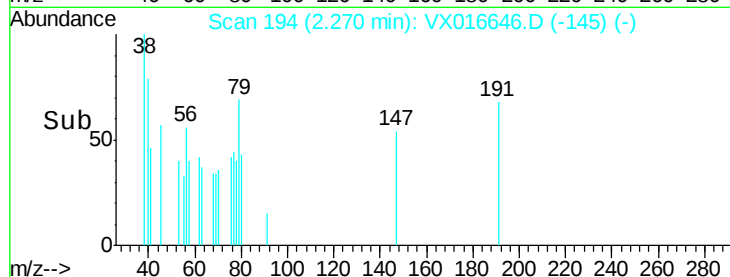
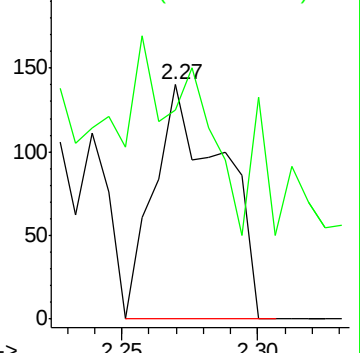
56 100

55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.47 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016646.D

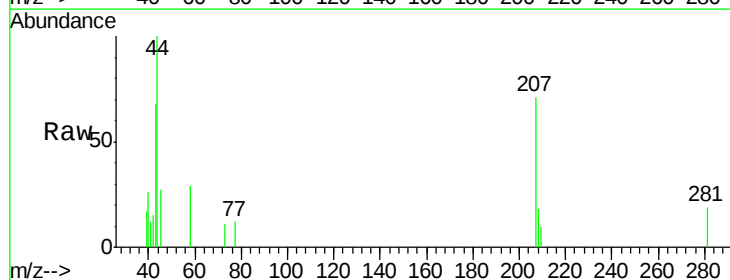
Acq: 08 Jun 2020 18:42

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

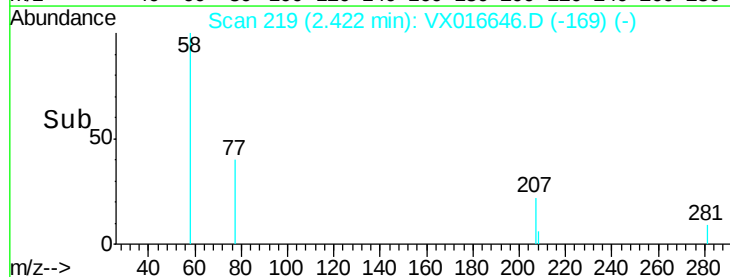
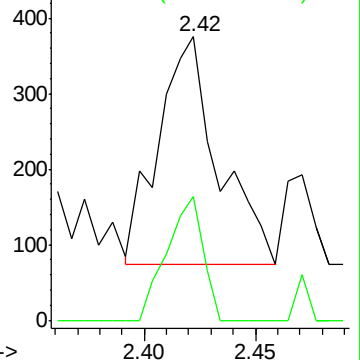
43 100

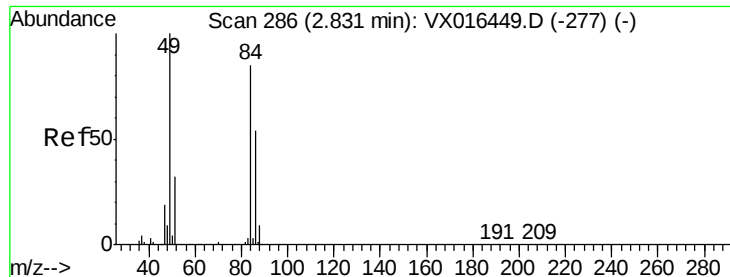
58 54.2 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

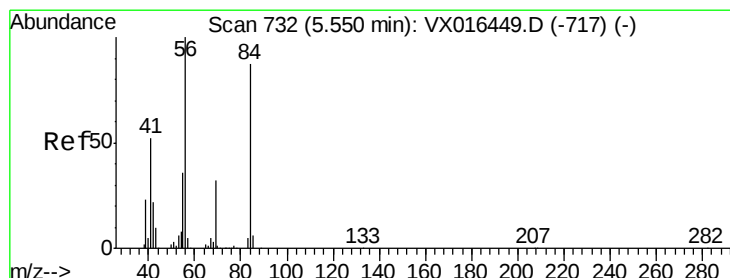
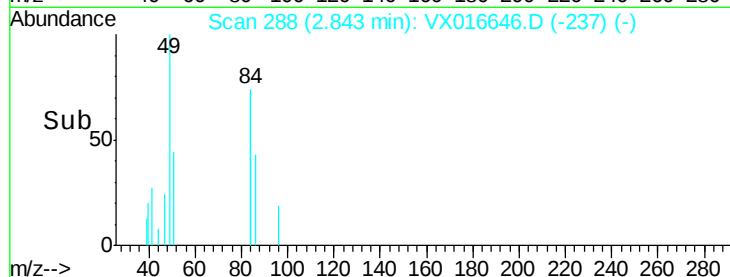
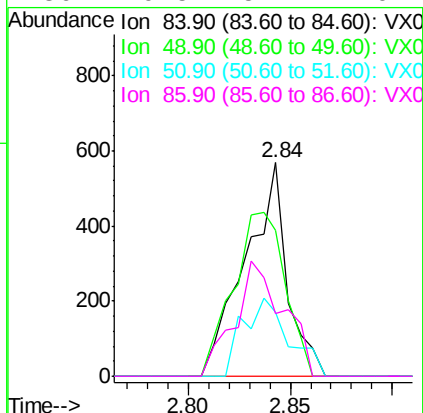
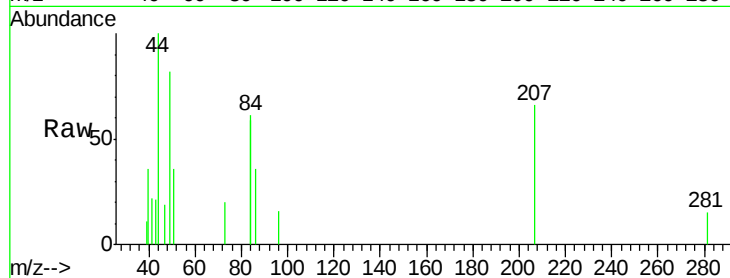




#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX016646.D
Acq: 08 Jun 2020 18:42

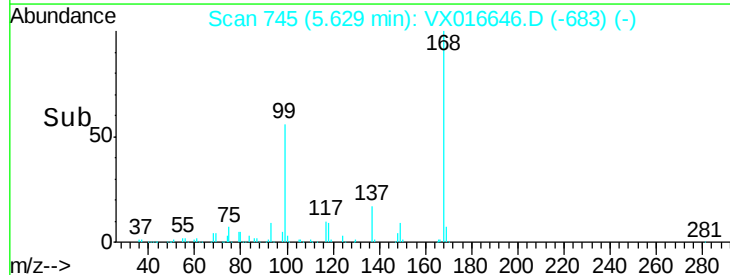
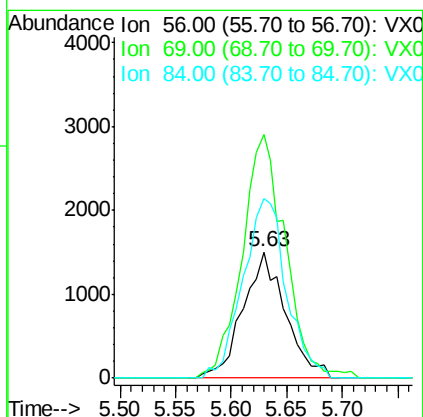
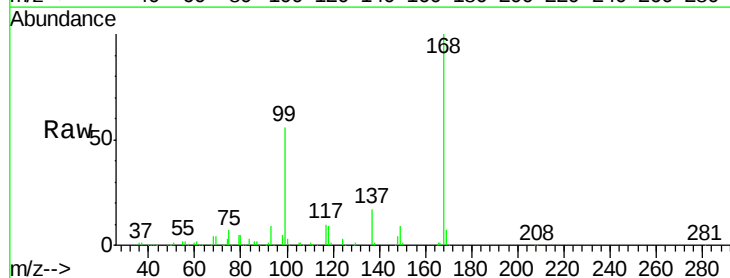
Instrument :
MSVOA_X
ClientSampleId :
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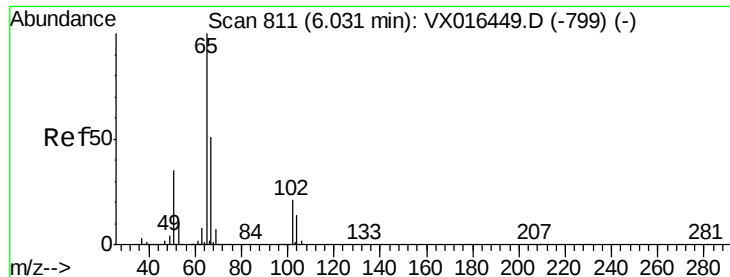
Tgt Ion: 84 Resp: 816
Ion Ratio Lower Upper
84 100
49 68.4 94.5 141.7#
51 29.9 30.2 45.4#
86 29.5 51.1 76.7#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016646.D
Acq: 08 Jun 2020 18:42

Tgt Ion: 56 Resp: 3988
Ion Ratio Lower Upper
56 100
69 193.0 25.7 38.5#
84 142.5 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.20 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampled :

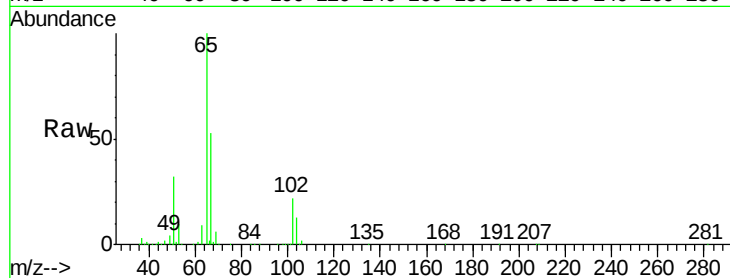
TRIP-BLANK

Tgt Ion: 65 Resp: 131218

Ion Ratio Lower Upper

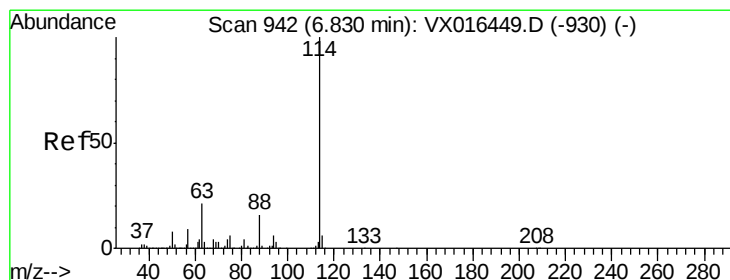
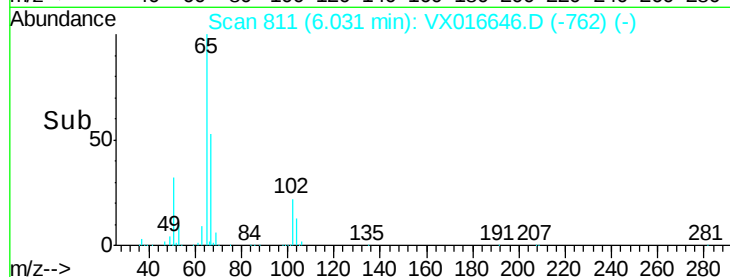
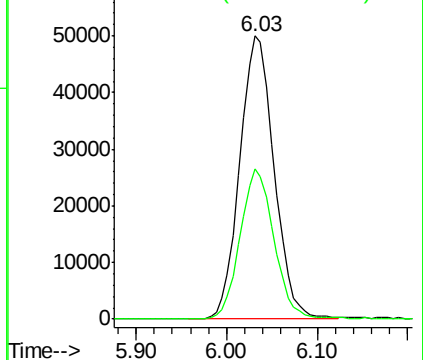
65 100

67 52.3 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: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

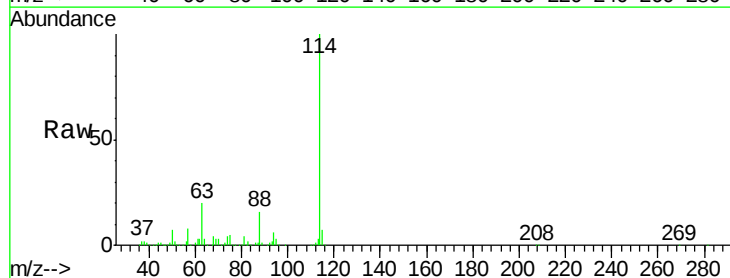
Tgt Ion: 114 Resp: 350501

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

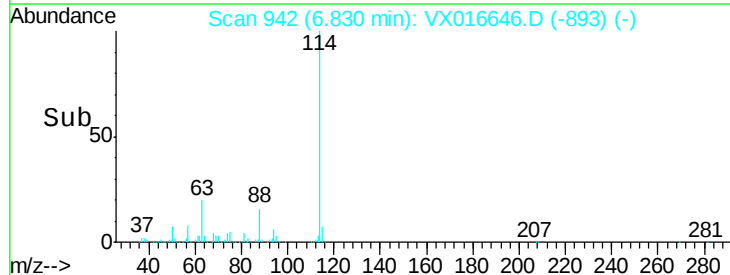
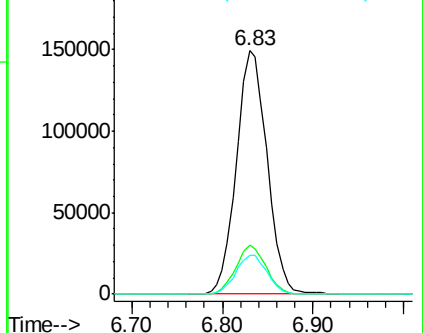
88 16.1 0.0 32.8

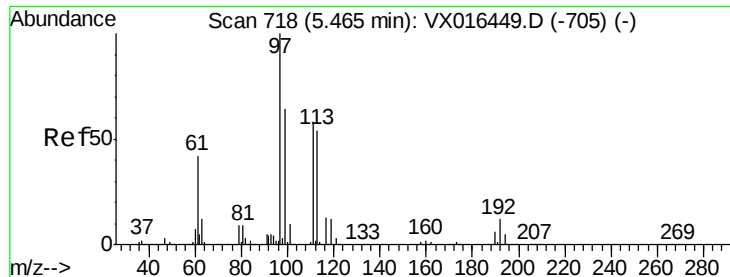


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.27 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

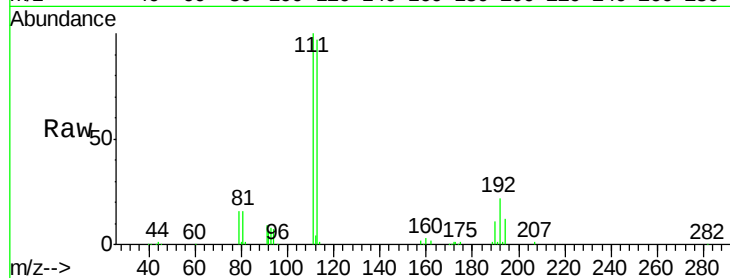
Tgt Ion:113 Resp: 106331

Ion Ratio Lower Upper

113 100

111 103.8 83.0 124.6

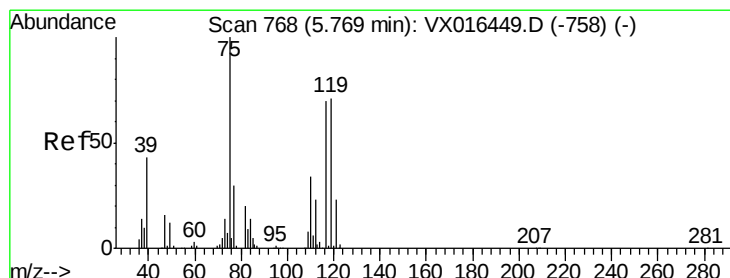
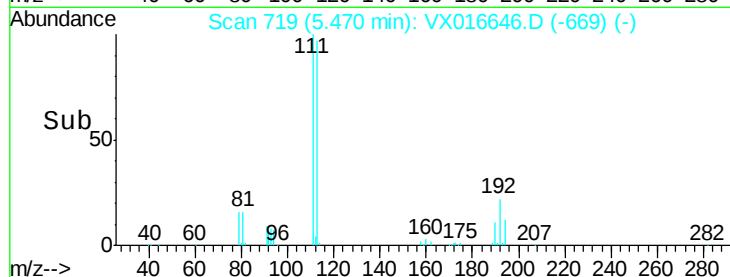
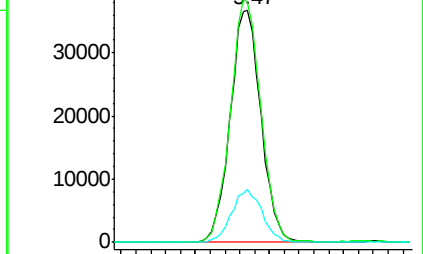
192 22.6 17.7 26.5



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: 4.73 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

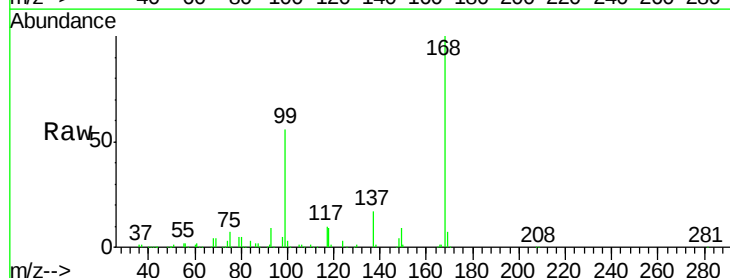
Tgt Ion: 75 Resp: 15692

Ion Ratio Lower Upper

75 100

110 9.8 17.4 52.3#

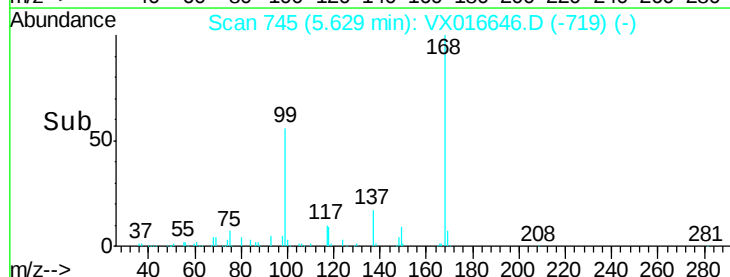
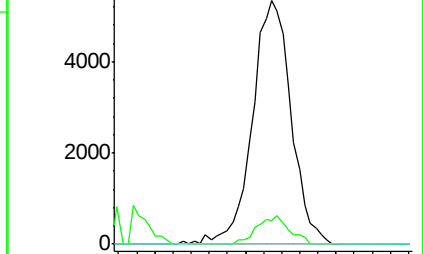
77 0.0 24.2 36.4#

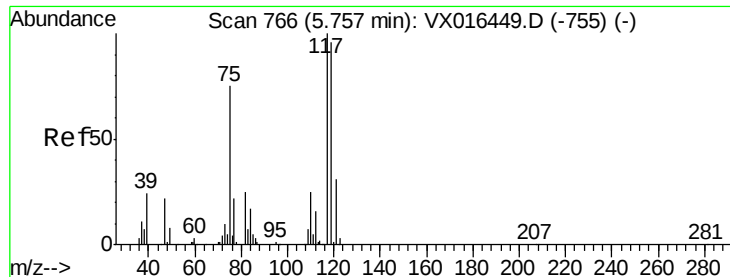


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

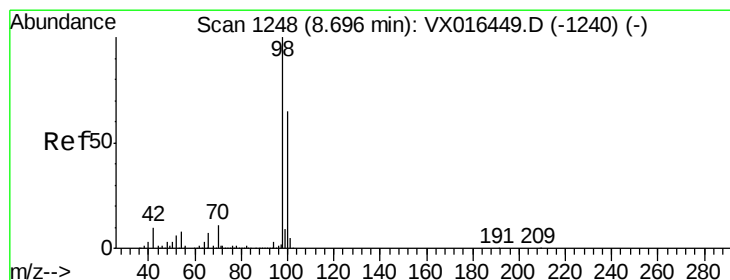
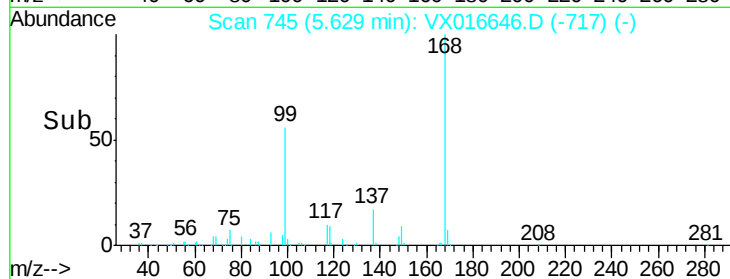
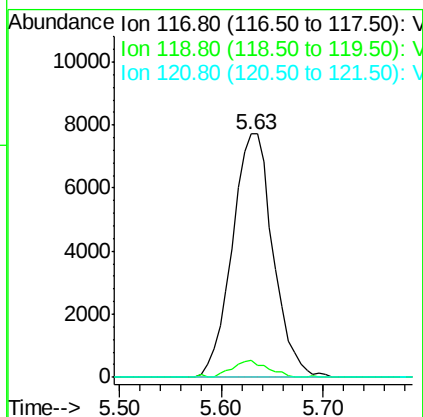
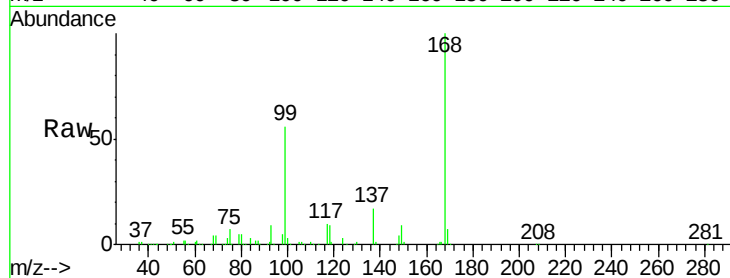




#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016646.D
Acq: 08 Jun 2020 18:42

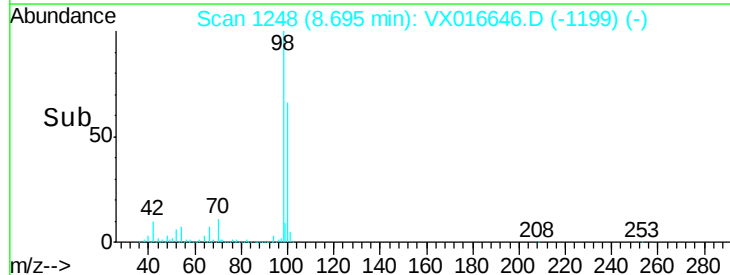
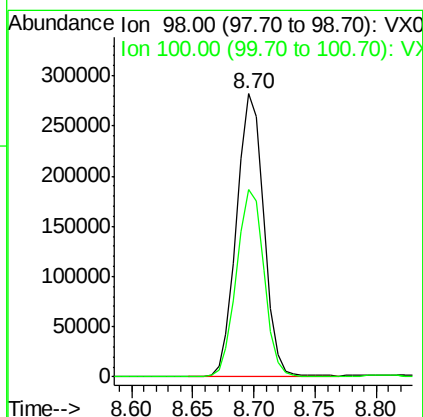
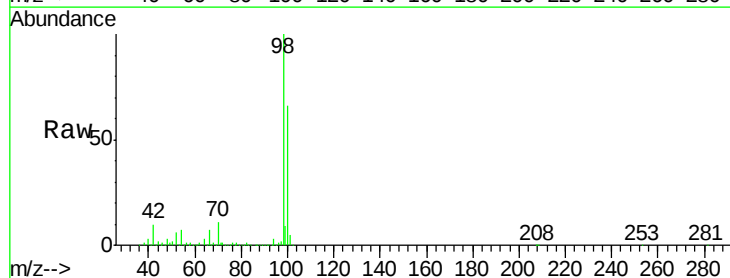
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

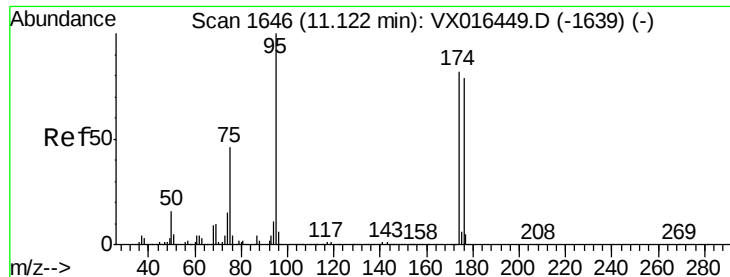
Tgt Ion: 117 Resp: 21408
Ion Ratio Lower Upper
117 100
119 7.2 76.3 114.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.84 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016646.D
Acq: 08 Jun 2020 18:42

Tgt Ion: 98 Resp: 435482
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6





#62

4-Bromofluorobenzene

Concen: 54.02 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

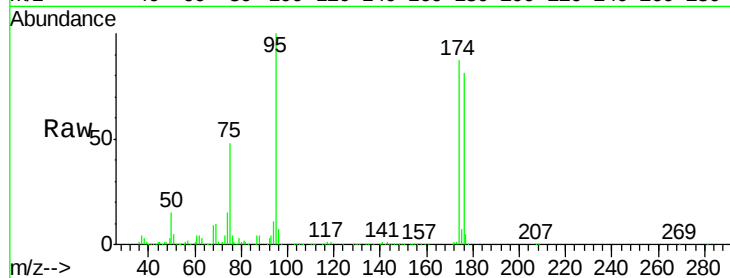
Tgt Ion: 95 Resp: 175345

Ion Ratio Lower Upper

95 100

174 87.1 0.0 163.0

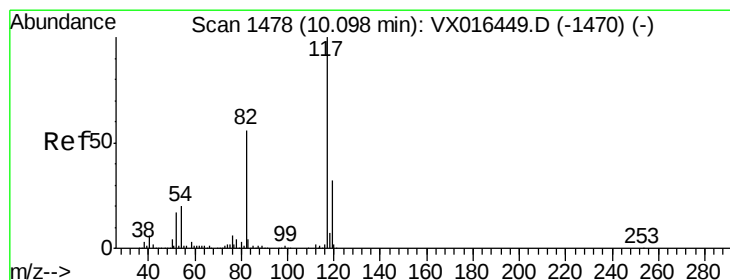
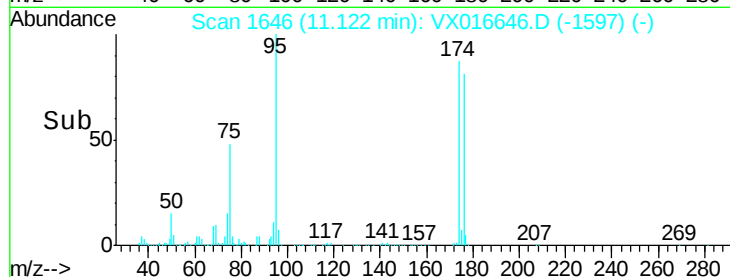
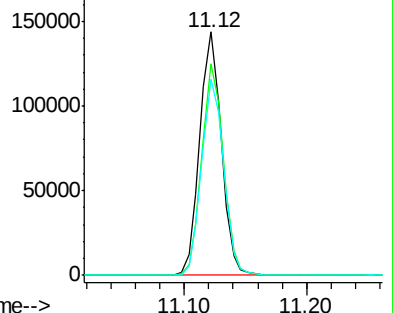
176 82.2 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016646.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016646.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016646.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

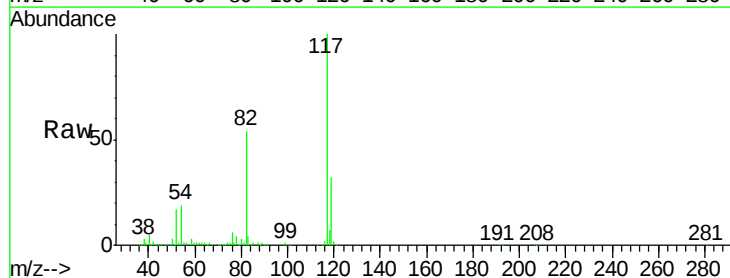
Tgt Ion: 117 Resp: 358635

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.6

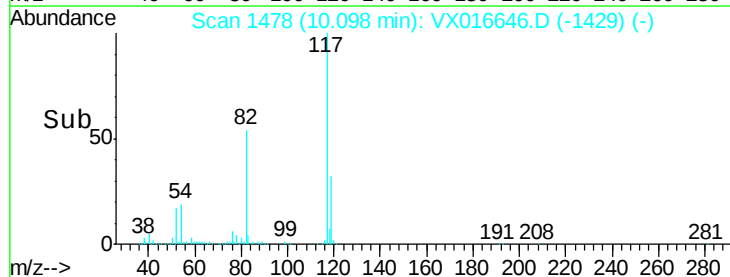
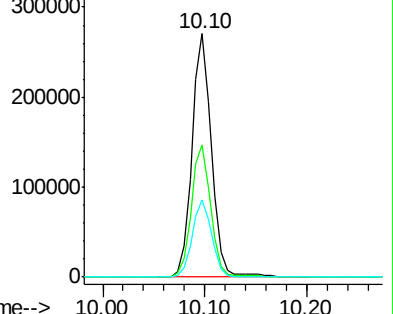
119 32.0 25.8 38.8

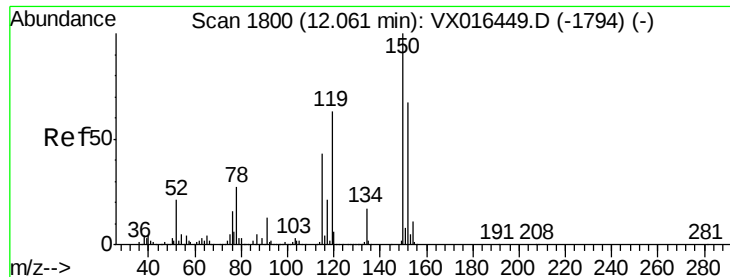


Abundance Ion 116.90 (116.60 to 117.60): VX016646.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016646.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016646.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

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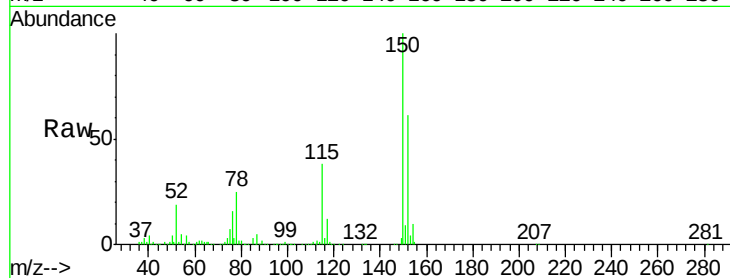
Tgt Ion: 152 Resp: 181704

Ion Ratio Lower Upper

152 100

115 58.0 39.9 119.6

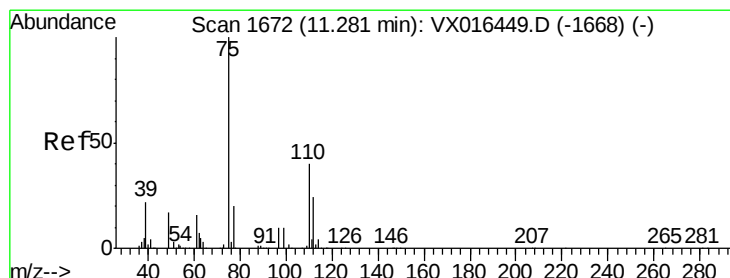
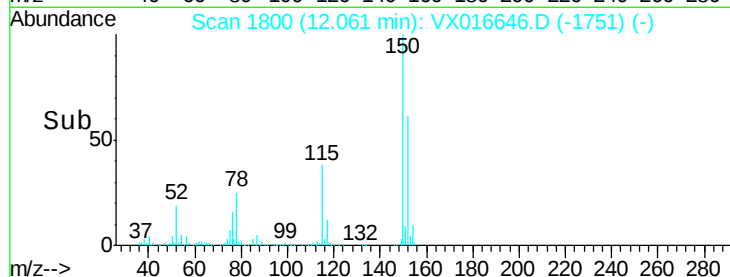
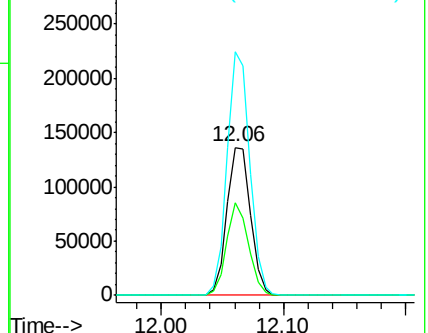
150 158.3 0.0 341.0



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: 21.22 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016646.D

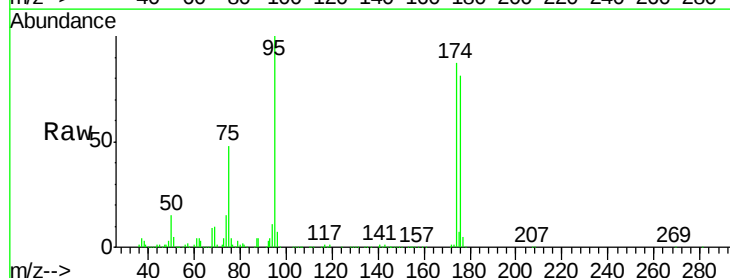
Acq: 08 Jun 2020 18:42

Tgt Ion: 75 Resp: 84744

Ion Ratio Lower Upper

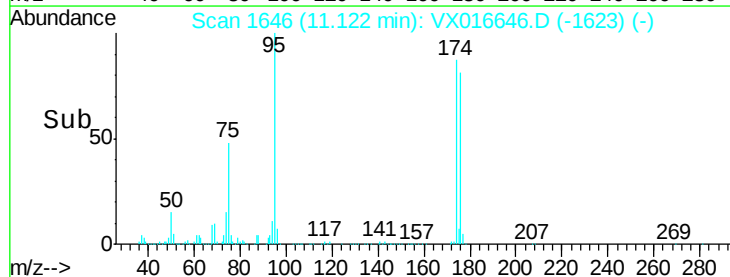
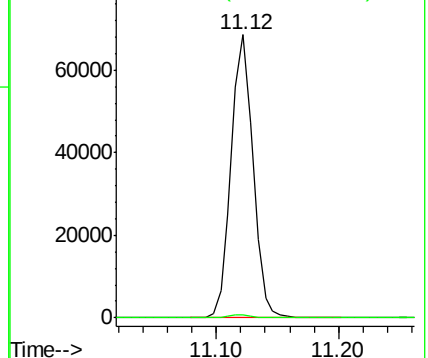
75 100

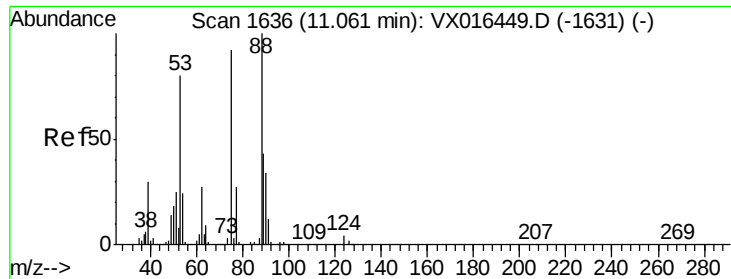
77 1.2 21.3 63.7#



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: 52.19 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016646.D

Acq: 08 Jun 2020 18:42

Instrument :

MSVOA_X

ClientSampleId :

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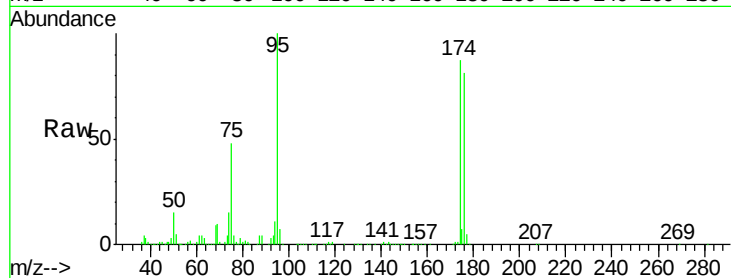
Tgt Ion: 75 Resp: 84744

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



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

