

Data File : VX017264.D
Acq On : 08 Jul 2020 18:32
Operator : JC/SP
Sample : L3217-14 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E3-41-BOILER-ROOM

Quant Time: Jul 09 02:34:32 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	238193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	164508	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	5.47	113	139127	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	8.70	98	490347	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.12	95	205422	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	

Target Compounds

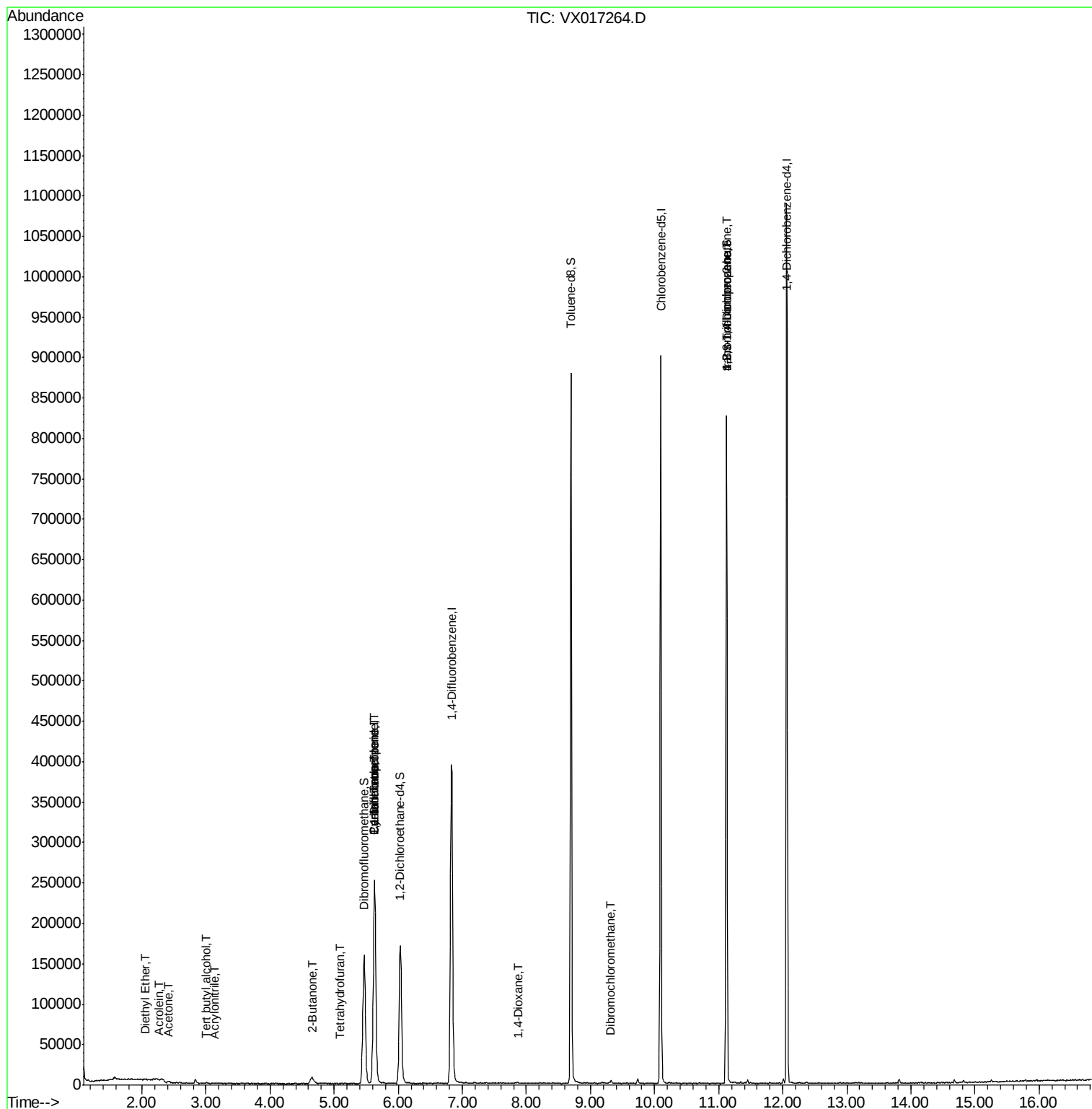
						Qvalue
8) Diethyl Ether	2.04	74	131	0.466	ug/l	97
11) Tert butyl alcohol	3.00	59	550	0.982	ug/l #	77
13) Acrolein	2.26	56	162	0.484	ug/l #	1
15) Acrylonitrile	3.13	53	317	0.235	ug/l #	64
16) Acetone	2.42	43	1644	1.497	ug/l	92
25) 2-Butanone	4.65	43	880	0.481	ug/l #	49
29) Tetrahydrofuran	5.10	42	369	0.305	ug/l #	33
31) Cyclohexane	5.63	56	4988	1.258	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	18315	4.776	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23862	5.649	ug/l #	18
44) Trichloroethene	7.20	130	279	Below Cal		73
49) 1,4-Dioxane	7.86	88	26	0.374	ug/l #	1
60) Dibromochloromethane	9.31	129	698	0.209	ug/l #	10
76) 1,2,3-Trichloropropane	11.12	75	101761	22.975	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101761	59.496	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	508	Below Cal	#	1

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

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MSVOA_X

ClientSampleId :

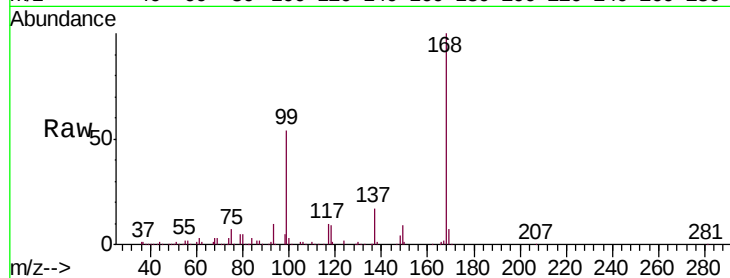
E3-41-BOILER-ROOM

Tgt Ion:168 Resp: 238193

Ion Ratio Lower Upper

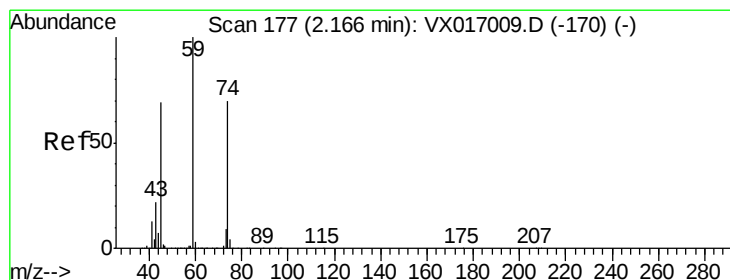
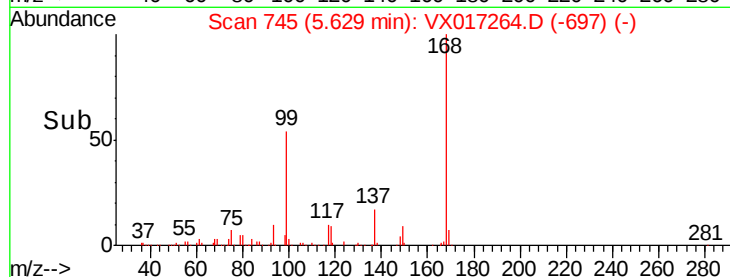
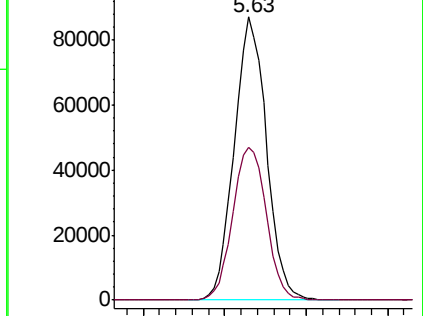
168 100

99 53.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.466 ug/l

RT: 2.04 min Scan# 156

Delta R.T. -0.13 min

Lab File: VX017264.D

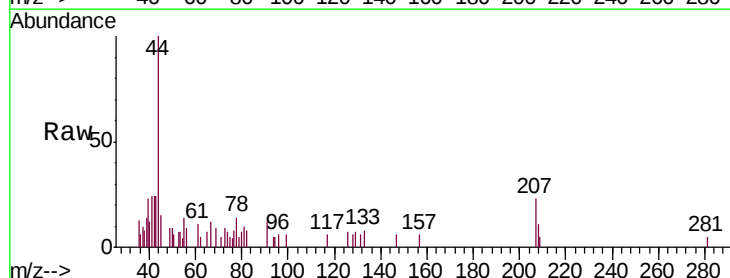
Acq: 08 Jul 2020 18:32

Tgt Ion: 74 Resp: 131

Ion Ratio Lower Upper

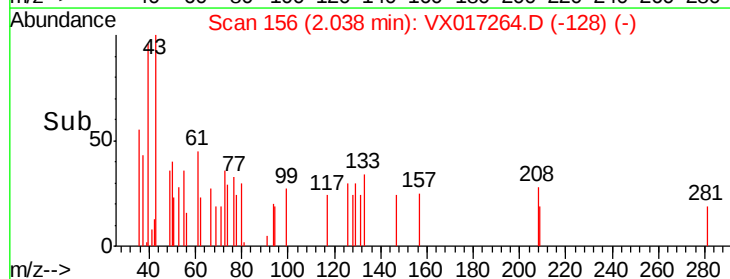
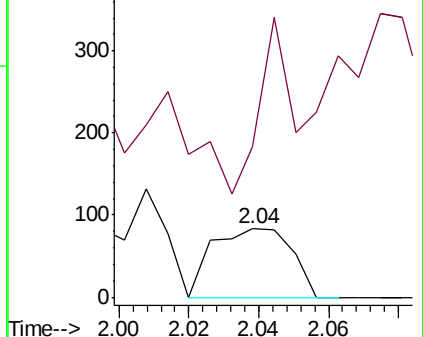
74 100

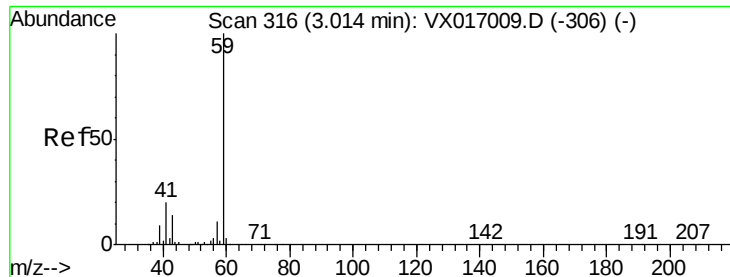
45 96.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

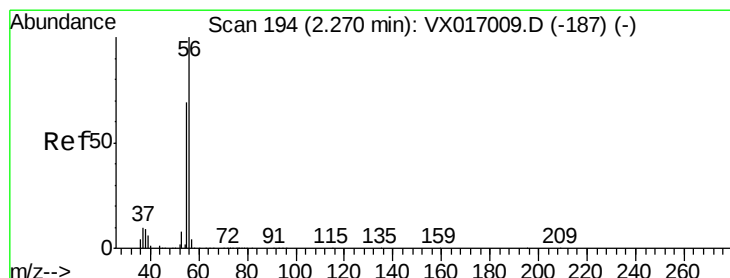
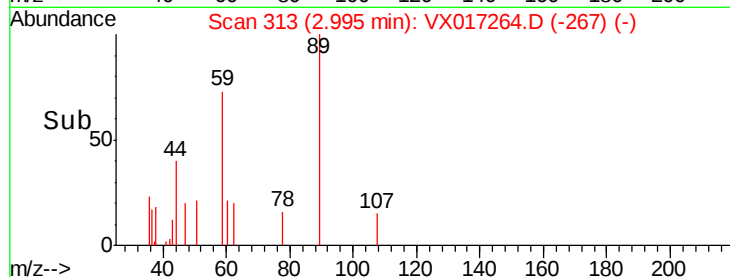
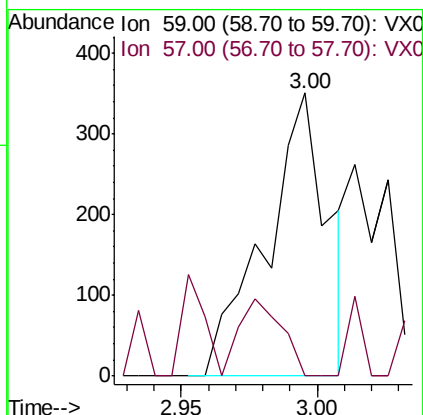
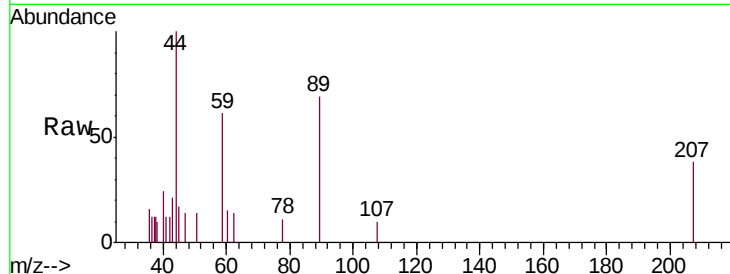




#11
Tert butyl alcohol
Concen: 0.982 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

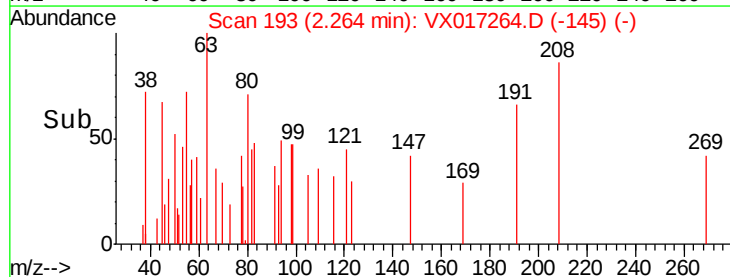
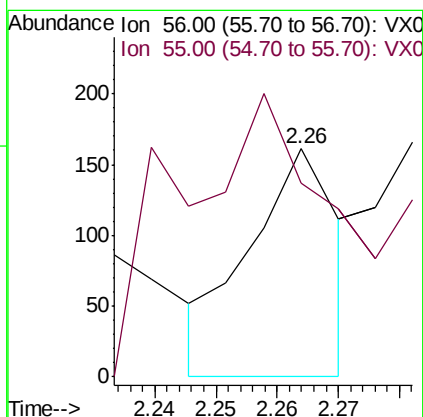
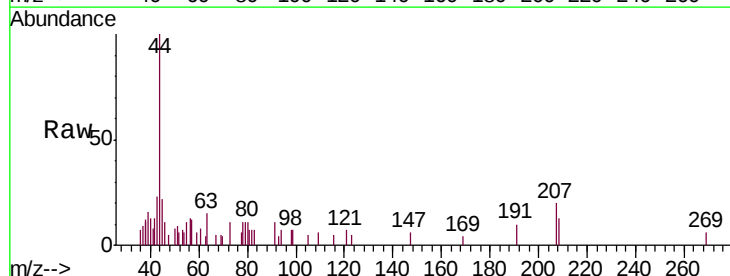
Instrument :
MSVOA_X
ClientSampleId :
E3-41-BOILER-ROOM

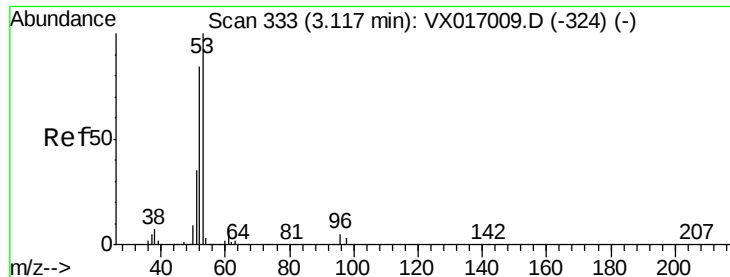
Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 18.7 8.2 12.2#



#13
Acrolein
Concen: 0.484 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

Tgt Ion: 56 Resp: 162
Ion Ratio Lower Upper
56 100
55 215.4 55.7 83.5#





#15

Acrylonitrile

Concen: 0.235 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

E3-41-BOILER-ROOM

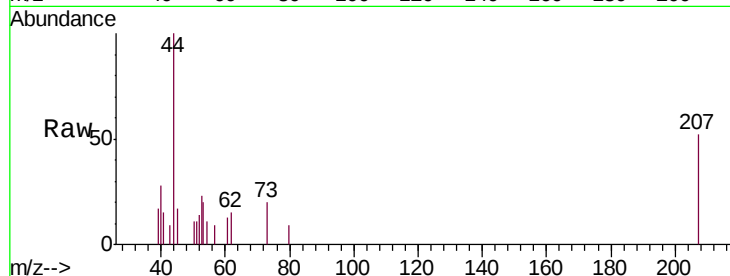
Tgt Ion: 53 Resp: 317

Ion Ratio Lower Upper

53 100

52 36.3 65.6 98.4#

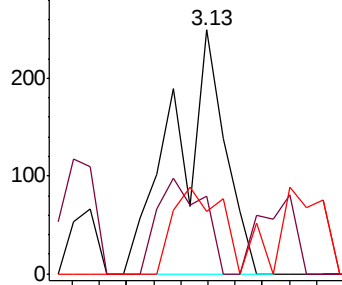
51 34.1 28.3 42.5



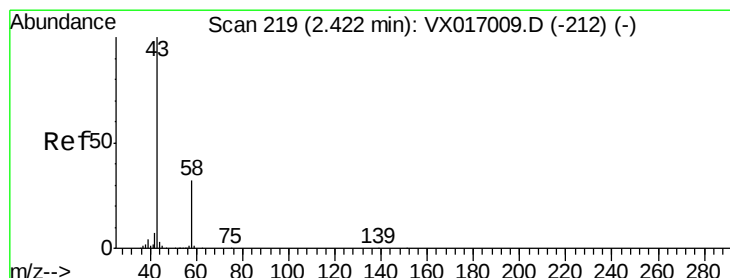
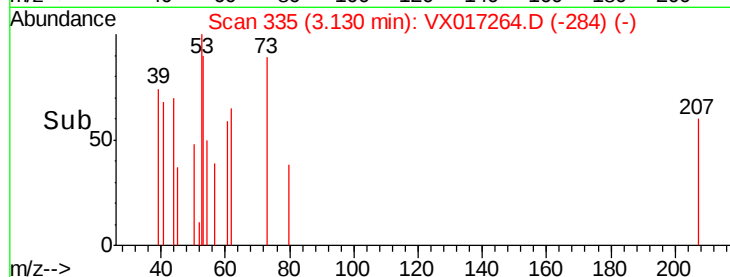
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 1.497 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017264.D

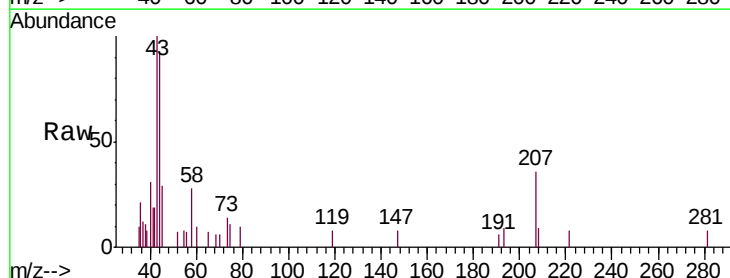
Acq: 08 Jul 2020 18:32

Tgt Ion: 43 Resp: 1644

Ion Ratio Lower Upper

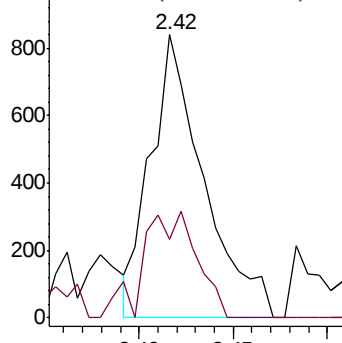
43 100

58 27.7 25.7 38.5

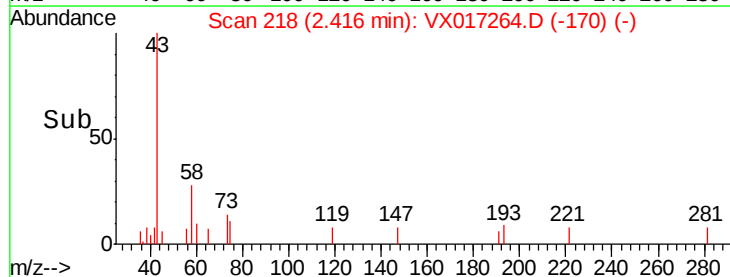


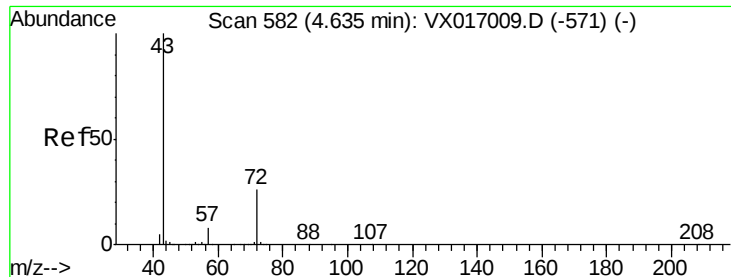
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

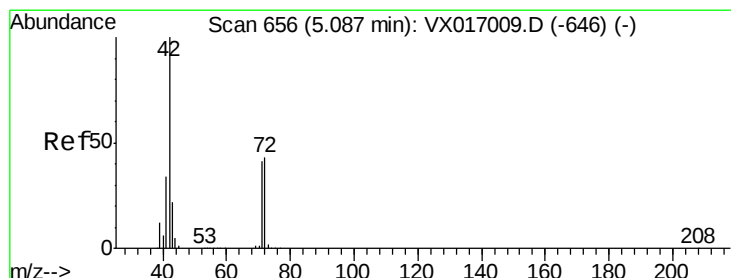
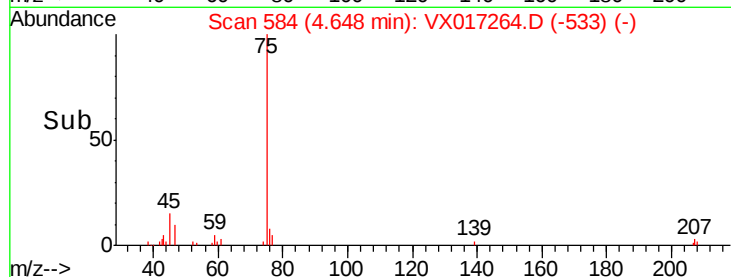
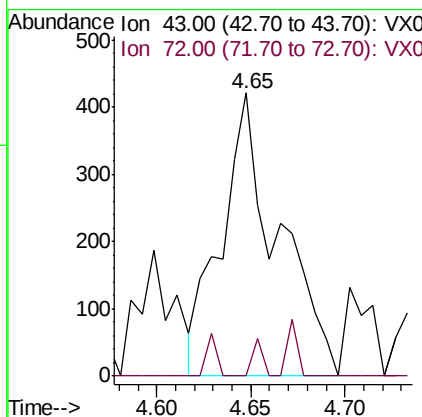
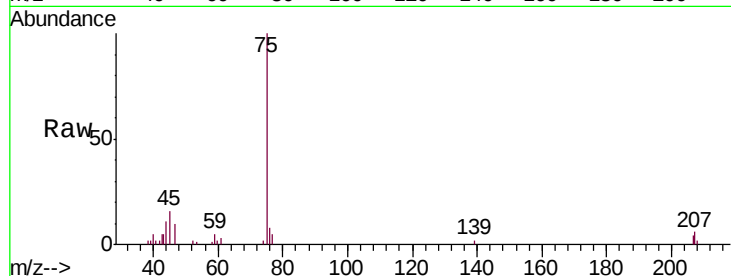




#25
2-Butanone
Concen: 0.481 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

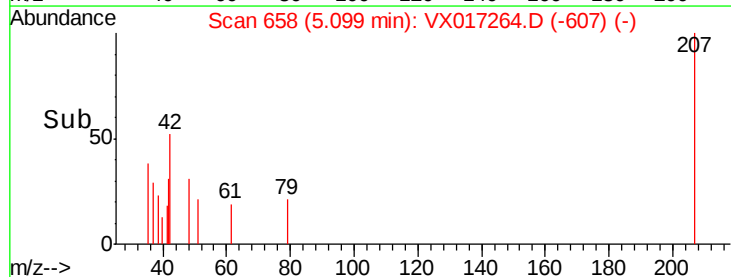
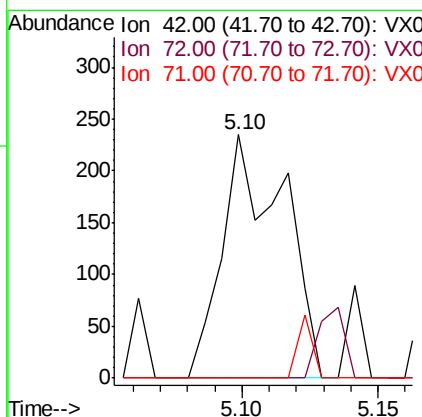
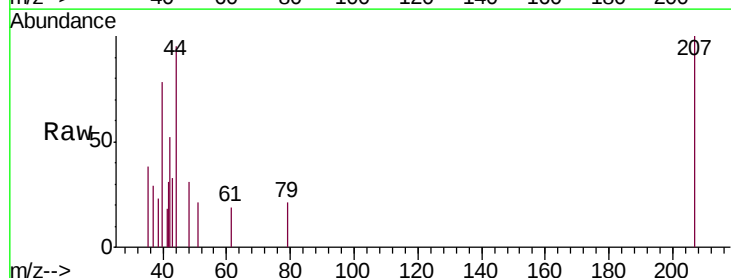
Instrument :
MSVOA_X
ClientSampleId :
E3-41-BOILER-ROOM

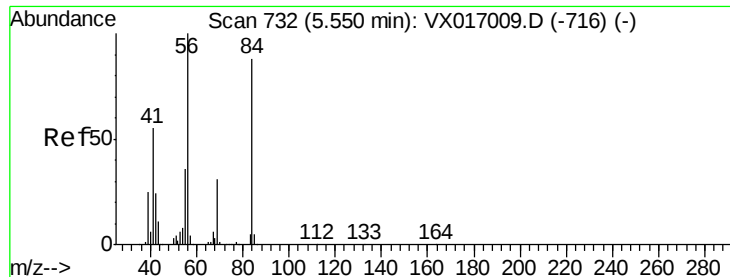
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#29
Tetrahydrofuran
Concen: 0.305 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 0.0 33.1 49.7#

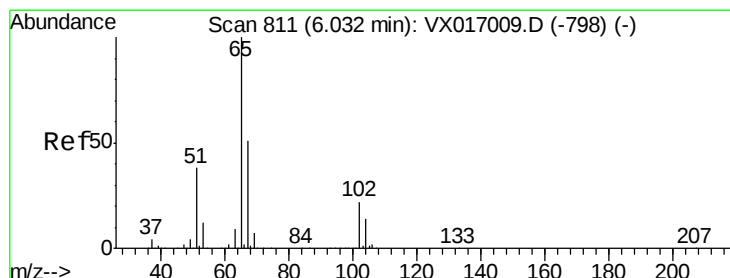
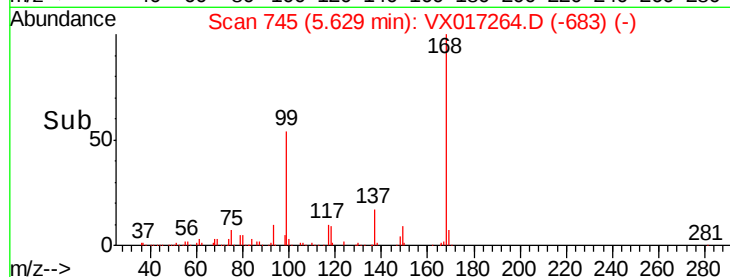
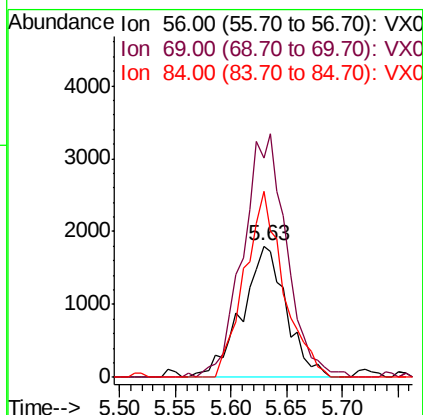
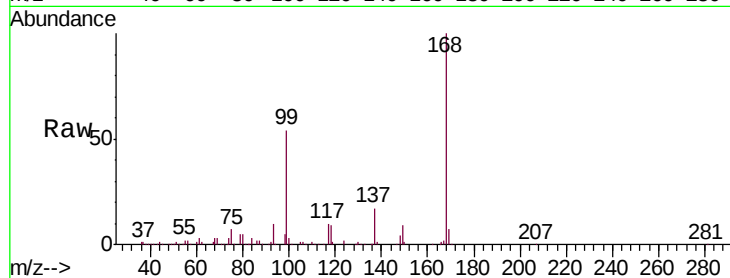




#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

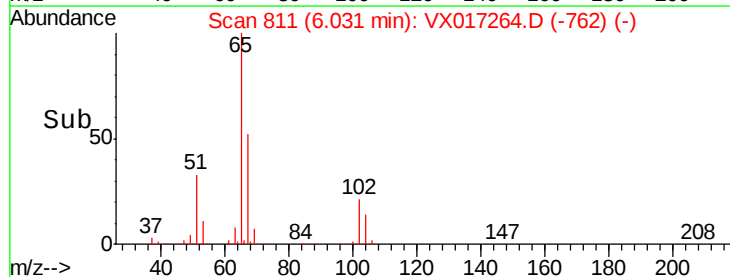
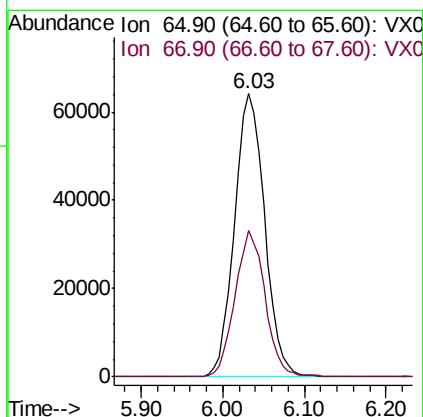
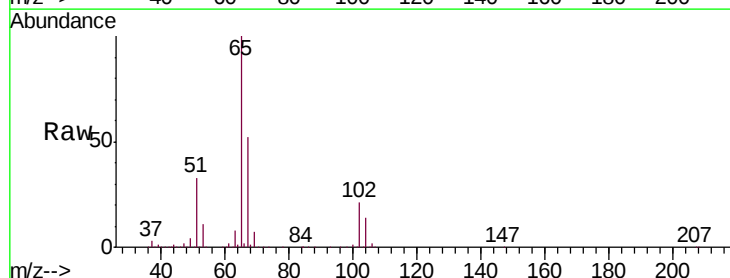
Instrument :
MSVOA_X
ClientSampleId :
E3-41-BOILER-ROOM

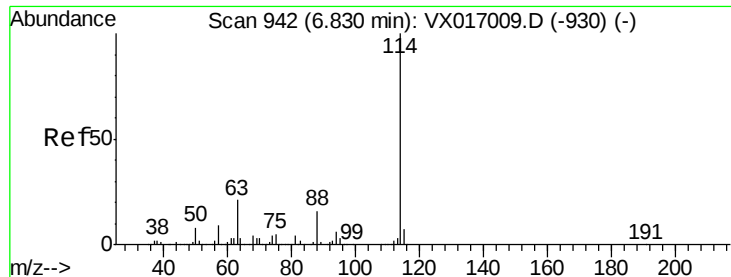
Tgt Ion: 56 Resp: 4988
Ion Ratio Lower Upper
56 100
69 163.6 25.0 37.4#
84 142.2 69.1 103.7#



#33
1,2-Dichloroethane-d4
Concen: 56.023 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017264.D
Acq: 08 Jul 2020 18:32

Tgt Ion: 65 Resp: 164508
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

E3-41-BOILER-ROOM

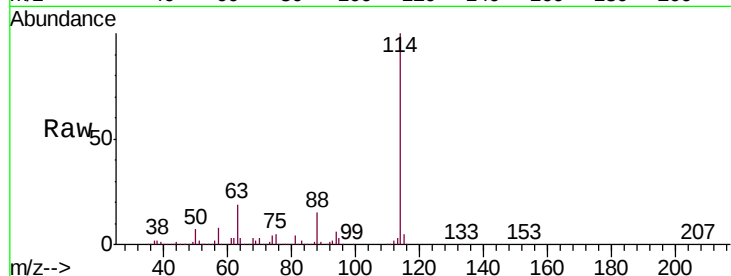
Tgt Ion:114 Resp: 405783

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

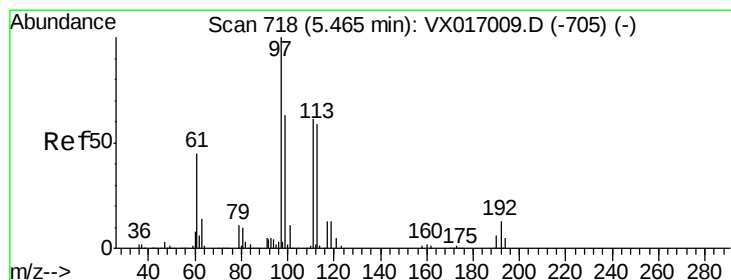
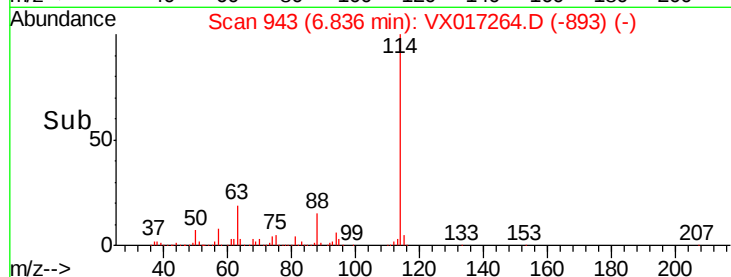
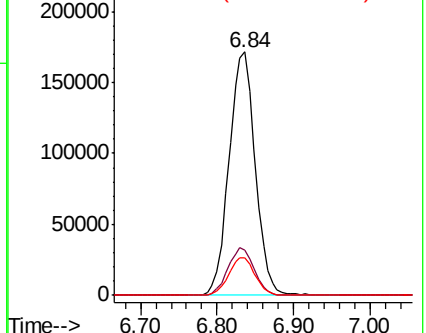
88 15.4 0.0 32.4



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: 54.201 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

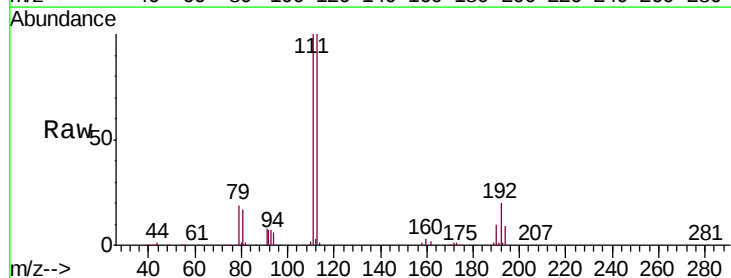
Tgt Ion:113 Resp: 139127

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

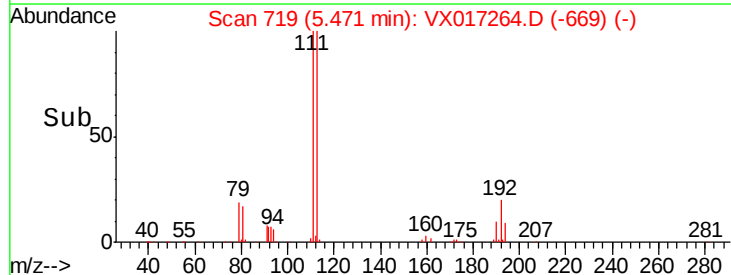
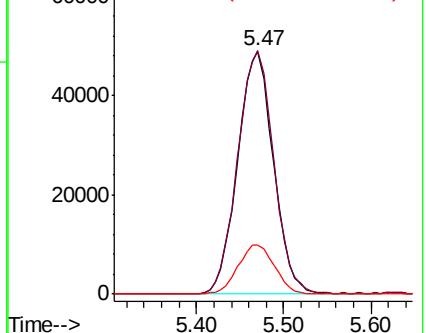
192 20.7 16.7 25.1

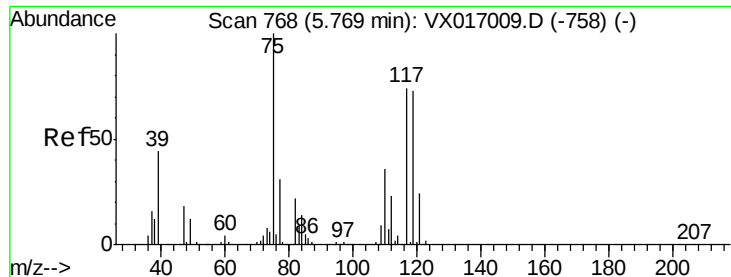


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

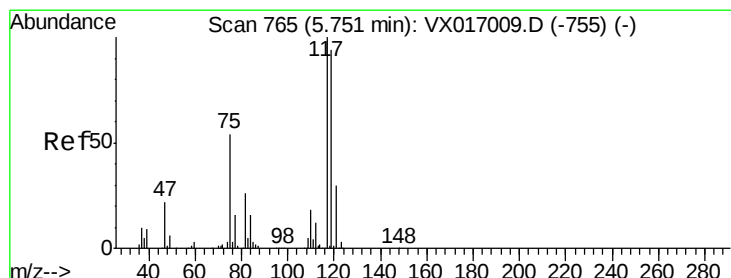
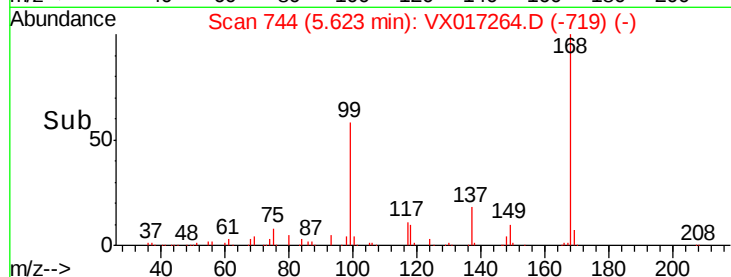
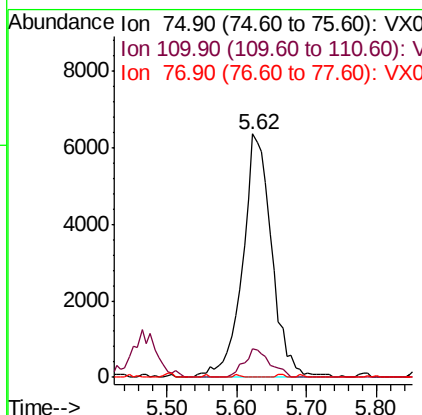
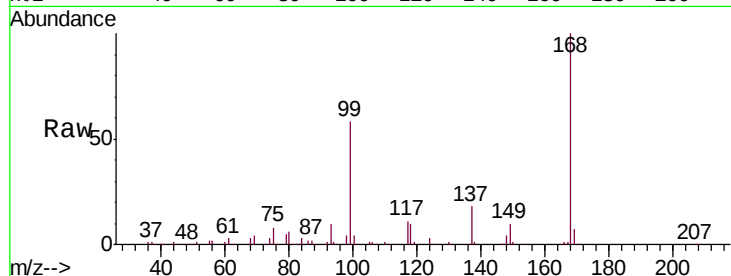




#36
 1,1-Dichloropropene
 Concen: 4.776 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017264.D
 Acq: 08 Jul 2020 18:32

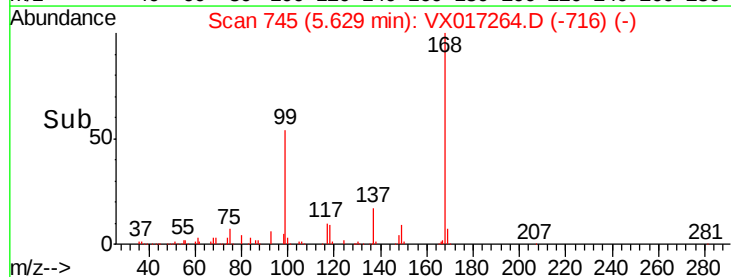
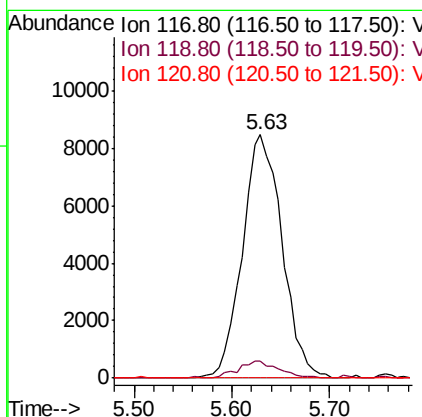
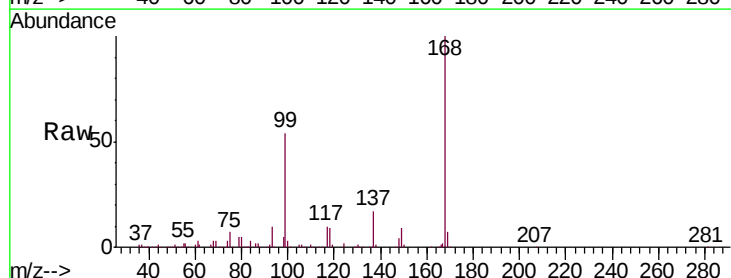
Instrument :
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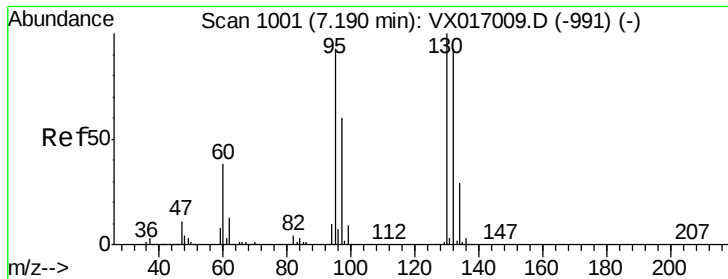
Tgt Ion: 75 Resp: 18315
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.649 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017264.D
 Acq: 08 Jul 2020 18:32

Tgt Ion: 117 Resp: 23862
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.4 113.0#
 121 0.0 23.8 35.6#





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

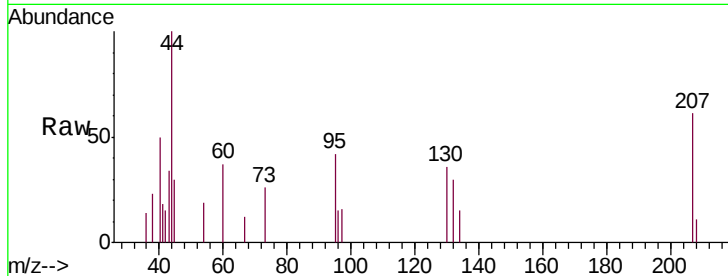
E3-41-BOILER-ROOM

Tgt Ion: 130 Resp: 279

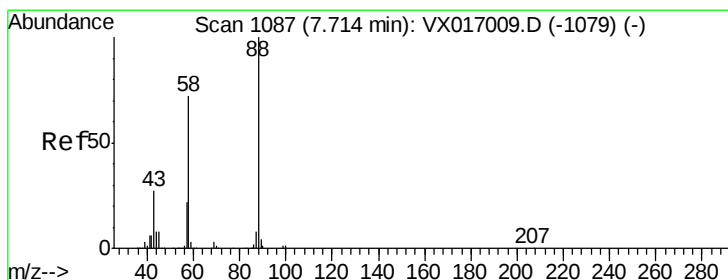
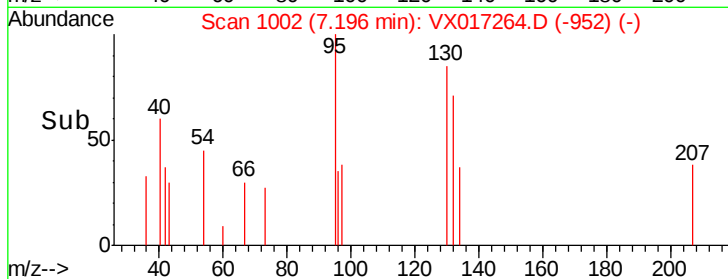
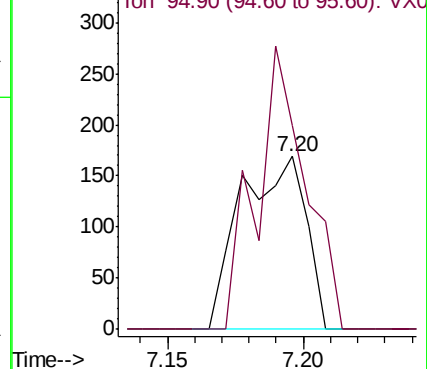
Ion Ratio Lower Upper

130 100

95 118.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V



#49

1,4-Dioxane

Concen: 0.374 ug/l

RT: 7.86 min Scan# 1111

Delta R.T. 0.15 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

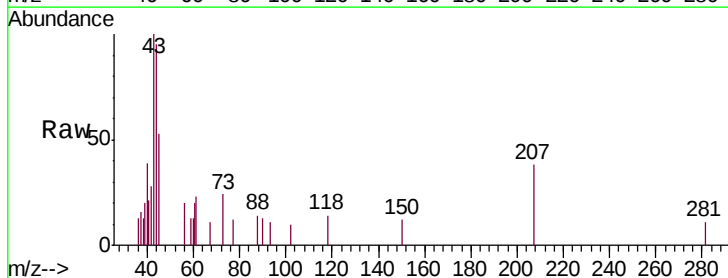
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

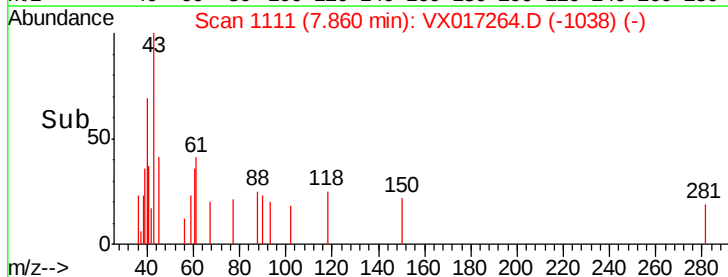
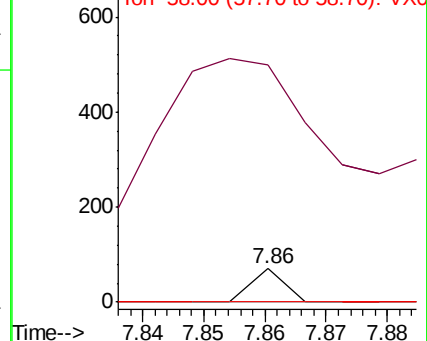
88 100

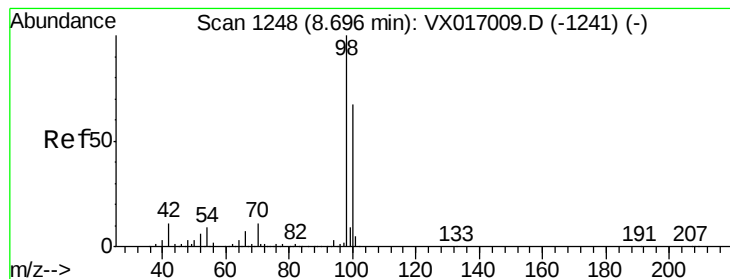
43 2988.5 25.8 38.8#

58 0.0 54.8 82.2#



Abundance Ion 88.00 (87.70 to 88.70): VX0





#50

Toluene-d8

Concen: 51.660 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

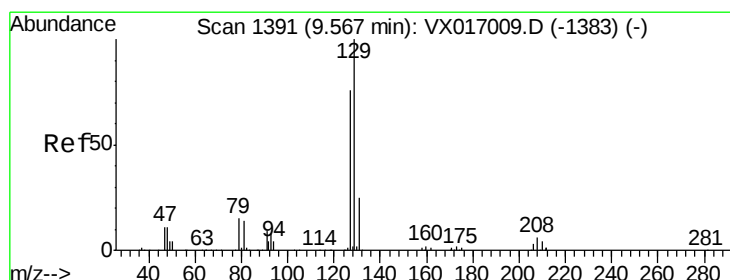
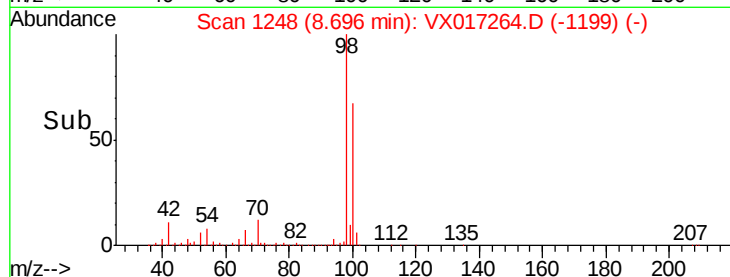
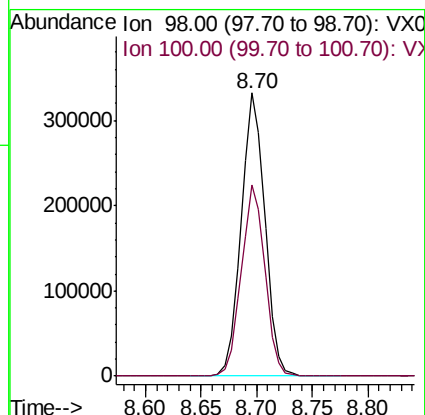
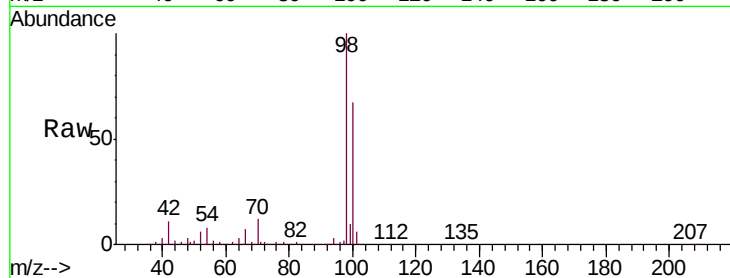
E3-41-BOILER-ROOM

Tgt Ion: 98 Resp: 490347

Ion Ratio Lower Upper

98 100

100 67.4 53.8 80.6



#60

Dibromochloromethane

Concen: 0.209 ug/l

RT: 9.31 min Scan# 1349

Delta R.T. -0.26 min

Lab File: VX017264.D

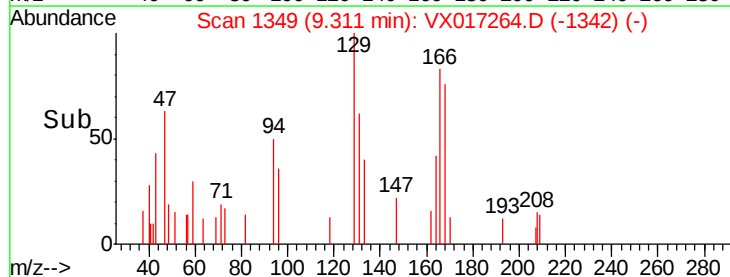
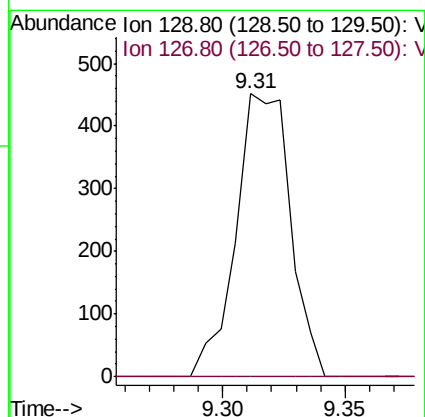
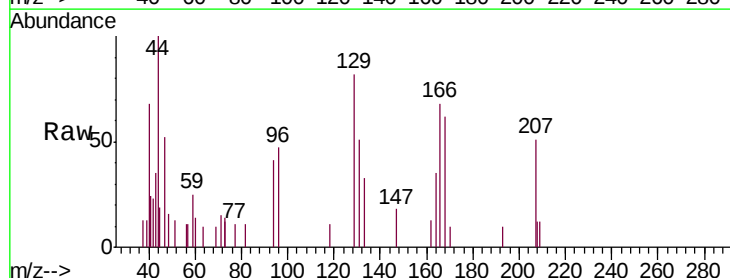
Acq: 08 Jul 2020 18:32

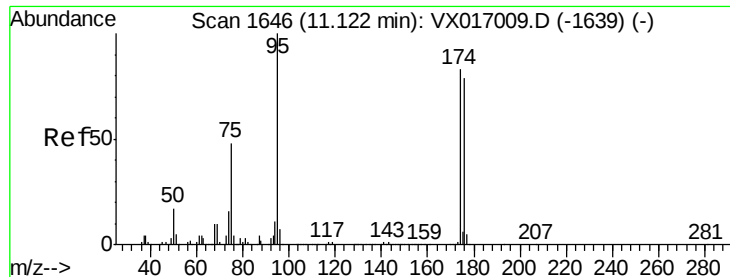
Tgt Ion: 129 Resp: 698

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#





#62

4-Bromofluorobenzene

Concen: 55.363 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

E3-41-BOILER-ROOM

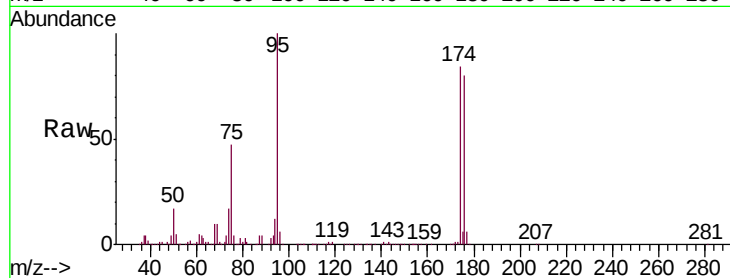
Tgt Ion: 95 Resp: 205422

Ion Ratio Lower Upper

95 100

174 84.3 0.0 164.0

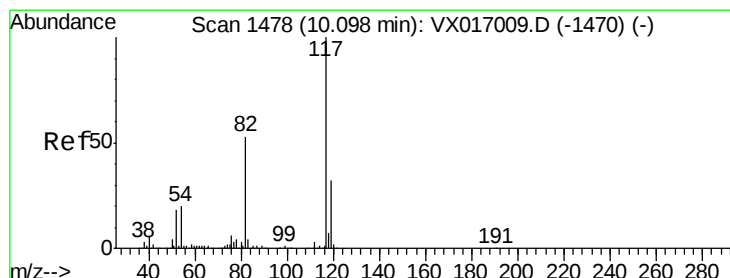
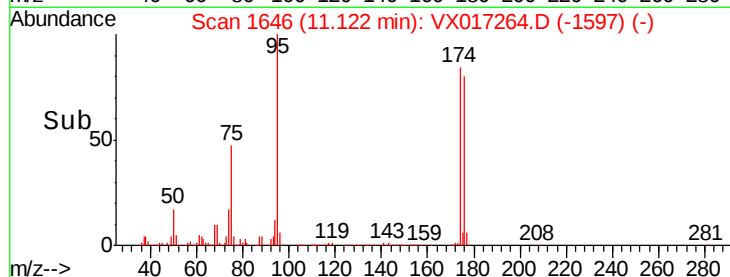
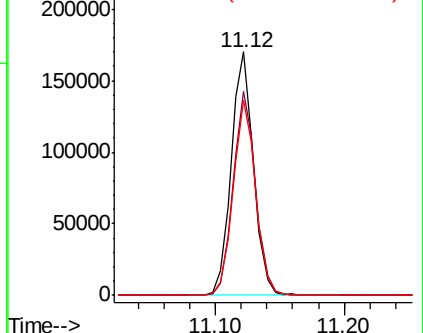
176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

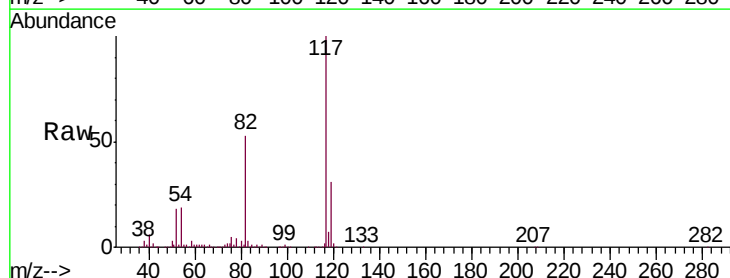
Tgt Ion: 117 Resp: 420642

Ion Ratio Lower Upper

117 100

82 53.0 42.6 63.8

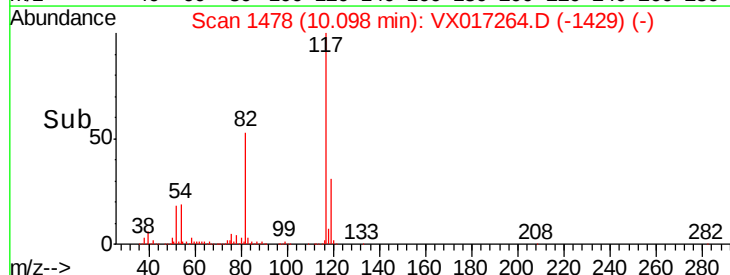
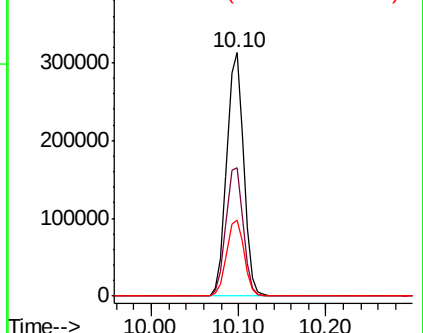
119 31.4 25.4 38.2

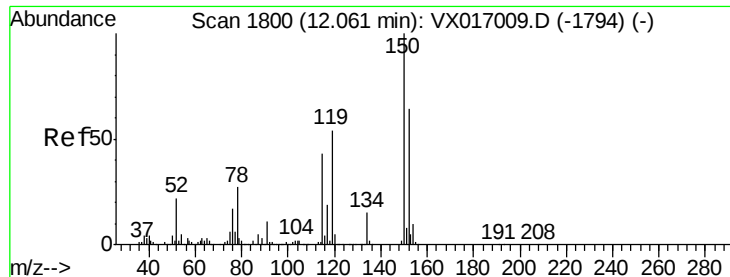


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017264.D

Acq: 08 Jul 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

E3-41-BOILER-ROOM

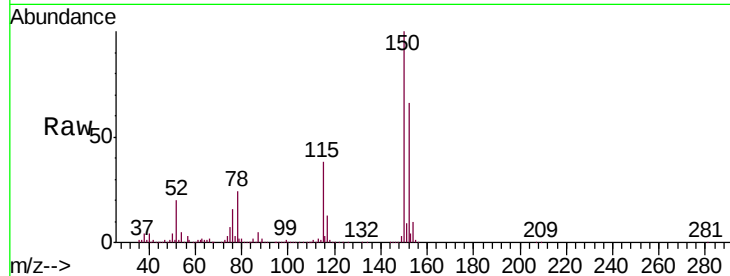
Tgt Ion: 152 Resp: 225242

Ion Ratio Lower Upper

152 100

115 57.3 40.9 122.7

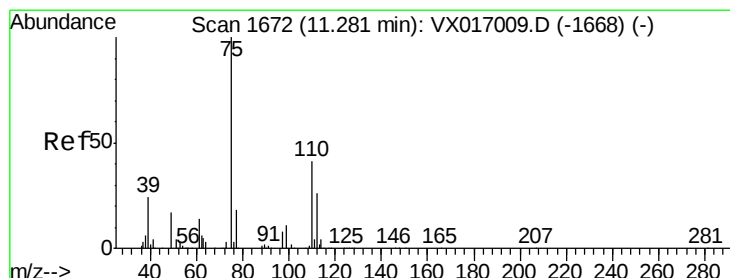
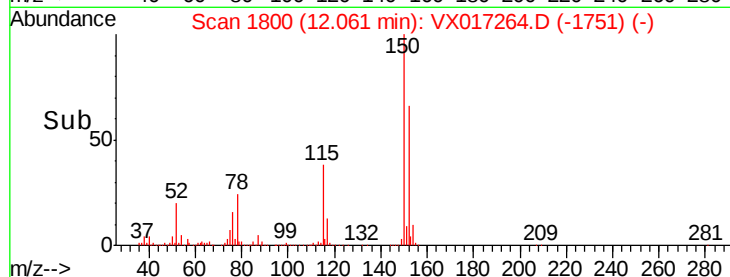
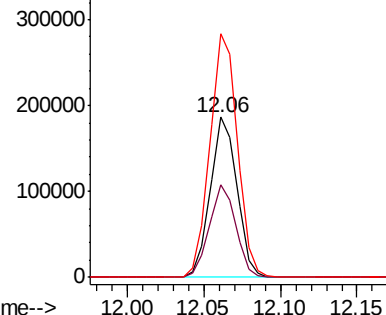
150 156.4 0.0 351.6



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: 22.975 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017264.D

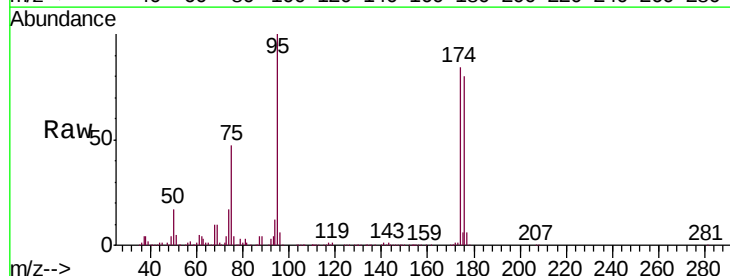
Acq: 08 Jul 2020 18:32

Tgt Ion: 75 Resp: 101761

Ion Ratio Lower Upper

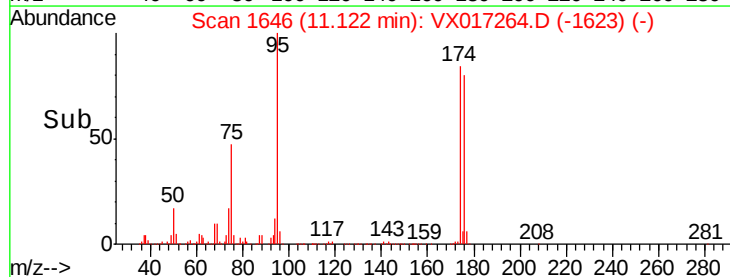
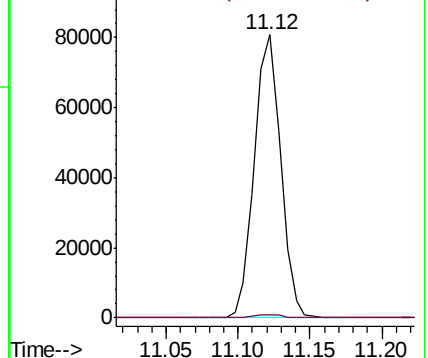
75 100

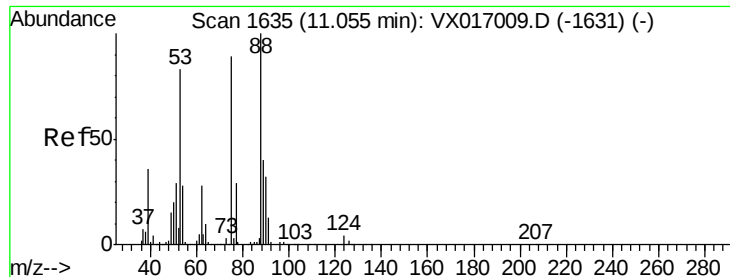
77 1.2 20.2 60.6#



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: 59.496 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017264.D
 Acq: 08 Jul 2020 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-BOILER-ROOM

Tgt Ion: 75 Resp: 101761
 Ion Ratio Lower Upper
 75 100
 53 0.3 72.4 108.6#
 89 0.0 37.0 55.4#

