

Data File : VX017292.D
Acq On : 09 Jul 2020 05:28
Operator : JC/SP
Sample : L3183-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

Quant Time: Jul 09 06:19:00 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

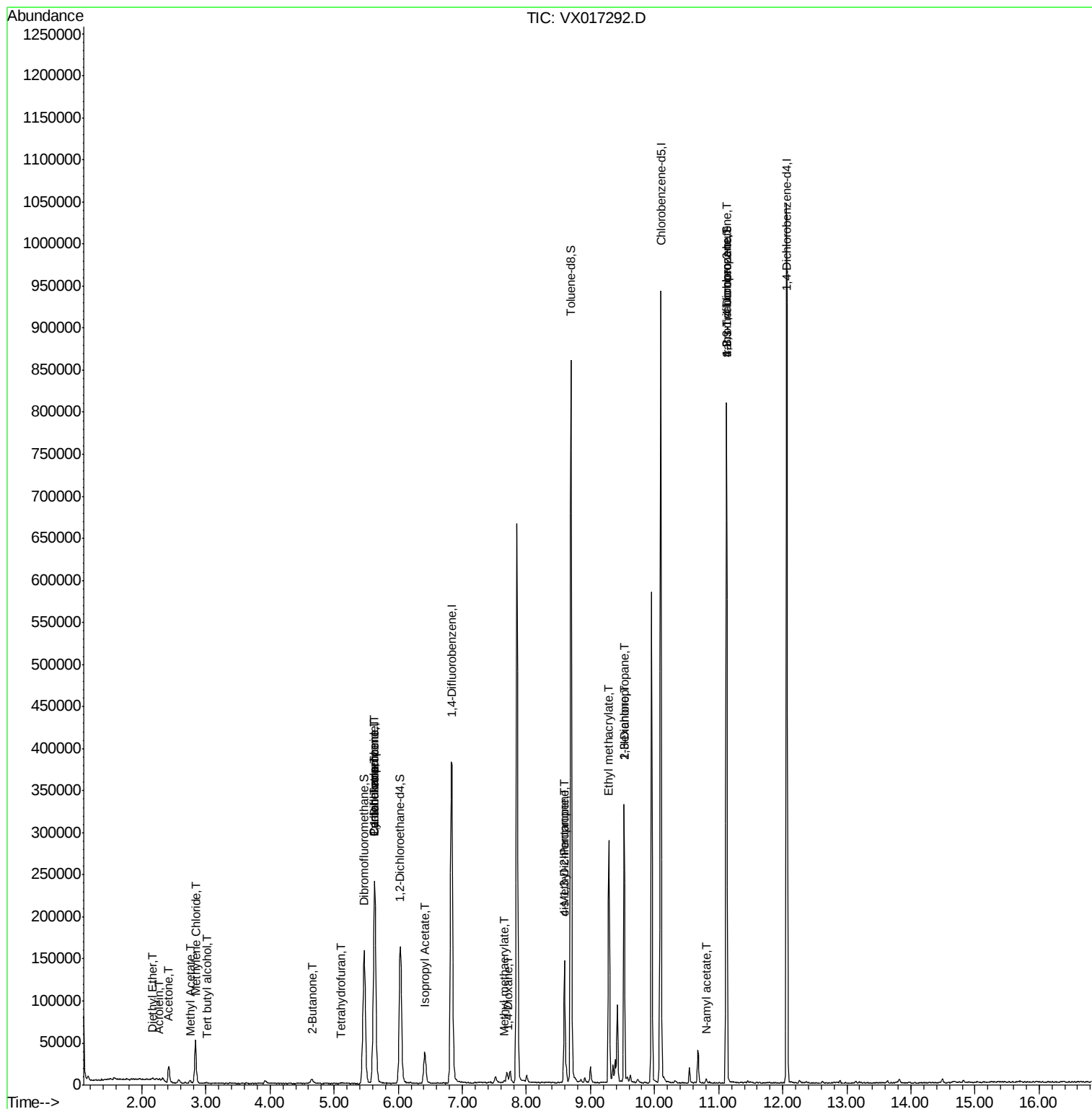
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	233190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	391829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	431286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220002	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	157669	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
35) Dibromofluoromethane	5.47	113	134163	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	8.70	98	502715	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
62) 4-Bromofluorobenzene	11.12	95	203212	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	898	1.073	ug/l	81
11) Tert butyl alcohol	3.01	59	741	1.351	ug/l #	90
13) Acrolein	2.26	56	433	1.321	ug/l #	33
16) Acetone	2.42	43	20735	19.281	ug/l	95
18) Methyl Acetate	2.75	43	3237	1.153	ug/l	97
20) Methylene Chloride	2.84	84	22665	8.540	ug/l	94
25) 2-Butanone	4.65	43	3635	2.029	ug/l	94
29) Tetrahydrofuran	5.10	42	1466	1.238	ug/l #	59
31) Cyclohexane	5.62	56	4934	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17273	4.664	ug/l #	50
38) Carbon Tetrachloride	5.63	117	22630	5.548	ug/l #	17
43) Isopropyl Acetate	6.41	43	49993	8.007	ug/l	98
44) Trichloroethene	7.20	130	236	Below Cal		68
48) Methyl methacrylate	7.65	41	3095	1.043	ug/l #	15
49) 1,4-Dioxane	7.71	88	25	0.372	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	52575	14.126	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	23034	4.953	ug/l #	61
56) Ethyl methacrylate	9.29	69	1351	0.342	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	2875	0.612	ug/l #	48
59) 2-Hexanone	9.52	43	35671	13.123	ug/l #	51
74) N-amyl acetate	10.81	43	2045	0.333	ug/l #	59
76) 1,2,3-Trichloropropane	11.12	75	102754	23.751	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102754	61.508	ug/l #	13
88) 1,4-Dichlorobenzene	12.08	146	593	Below Cal	#	1

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

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Instrument :
MSVOA_X
ClientSampled :
OK-02-070720

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

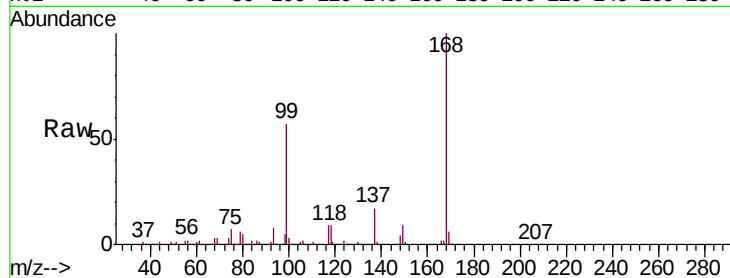
OK-02-070720

Tgt Ion:168 Resp: 233190

Ion Ratio Lower Upper

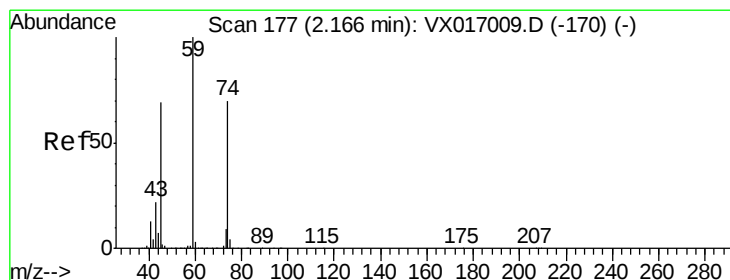
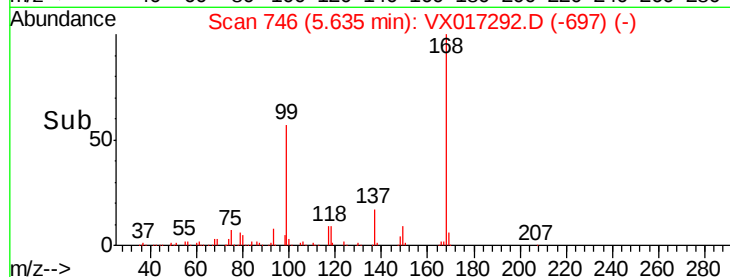
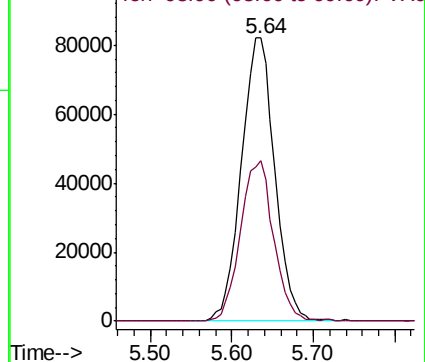
168 100

99 56.6 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: 1.073 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017292.D

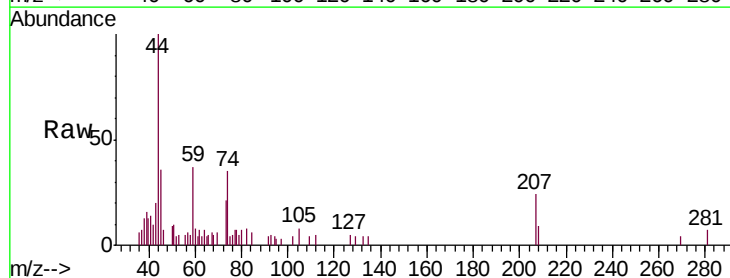
Acq: 09 Jul 2020 05:28

Tgt Ion: 74 Resp: 898

Ion Ratio Lower Upper

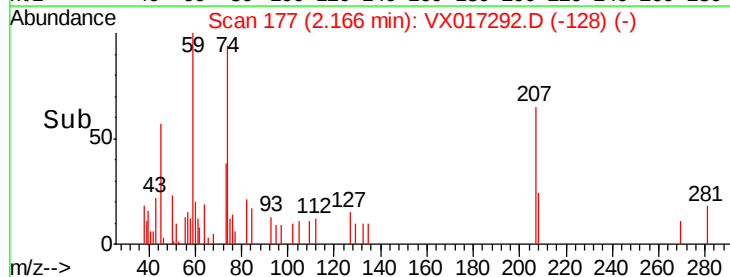
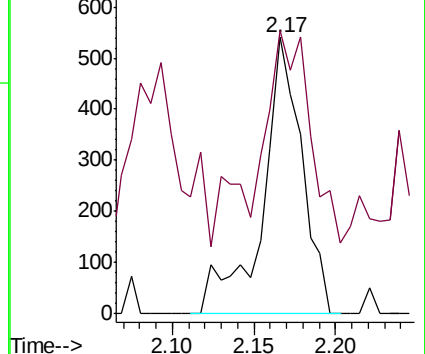
74 100

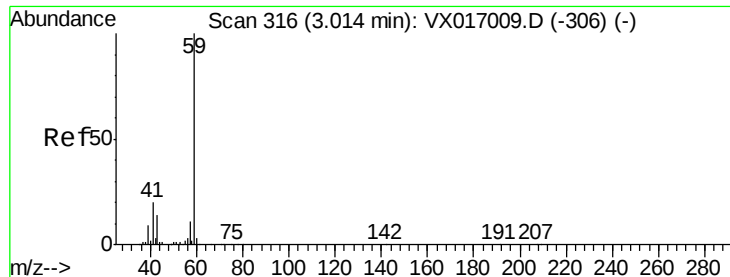
45 80.8 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

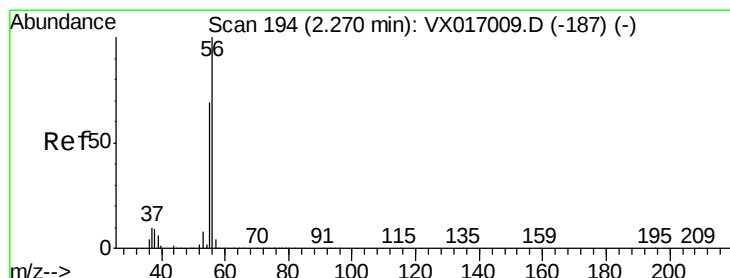
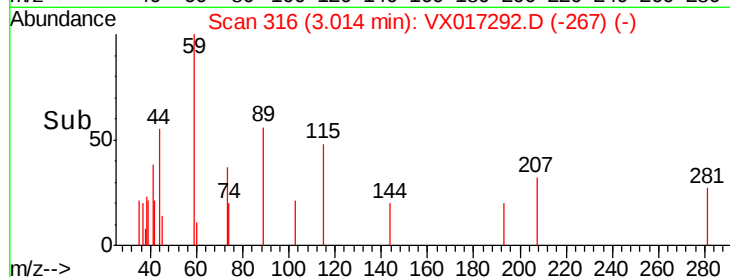
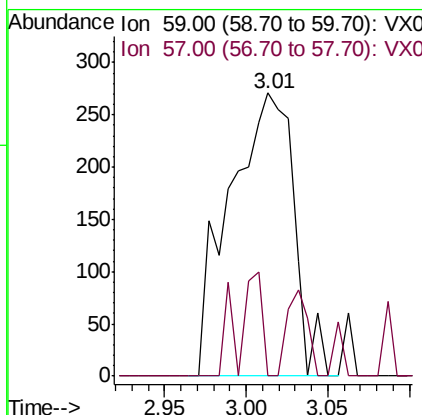
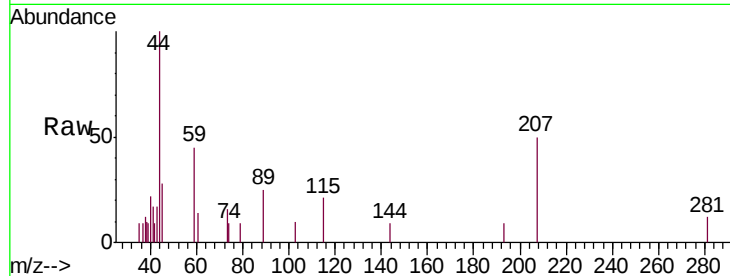




#11
Tert butyl alcohol
Concen: 1.351 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

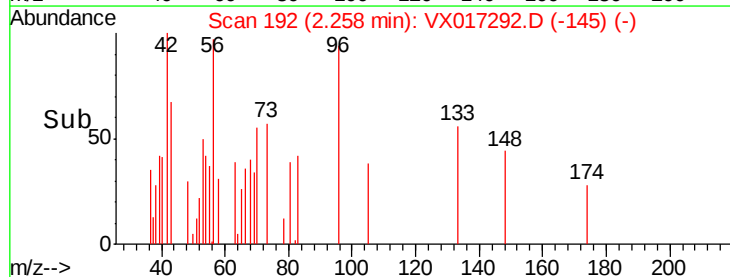
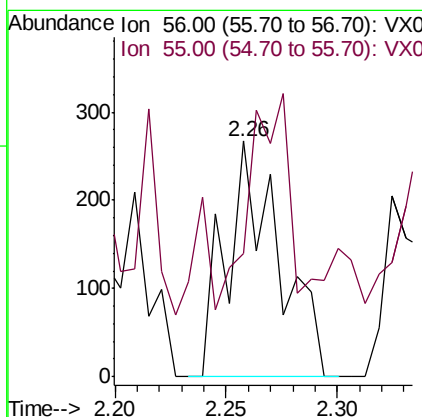
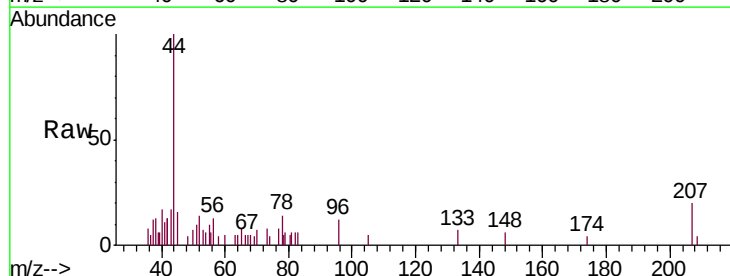
Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

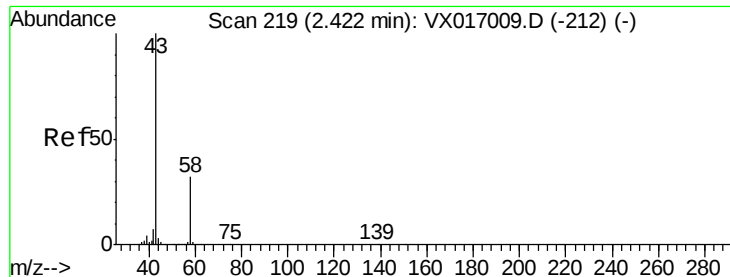
Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 13.9 8.2 12.2#



#13
Acrolein
Concen: 1.321 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 14.8 55.7 83.5#





#16

Acetone

Concen: 19.281 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

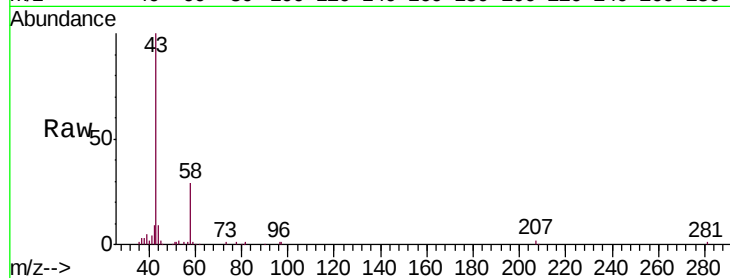
OK-02-070720

Tgt Ion: 43 Resp: 20735

Ion Ratio Lower Upper

43 100

58 29.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

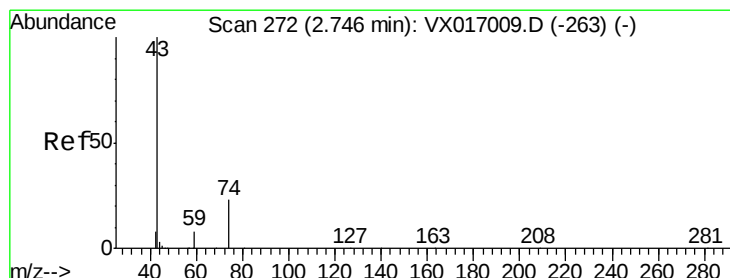
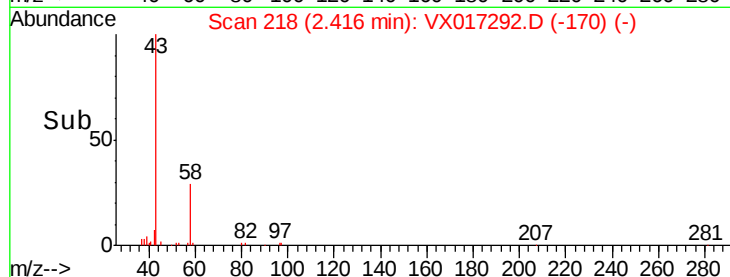
10000

5000

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 1.153 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017292.D

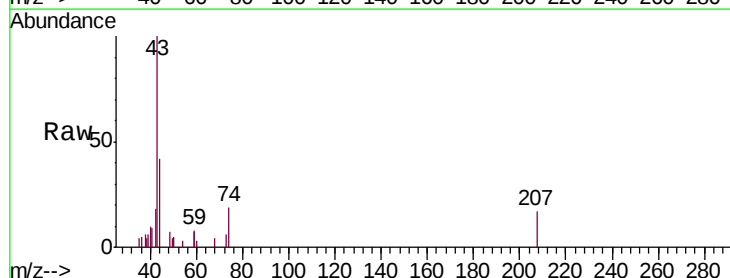
Acq: 09 Jul 2020 05:28

Tgt Ion: 43 Resp: 3237

Ion Ratio Lower Upper

43 100

74 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2000

1500

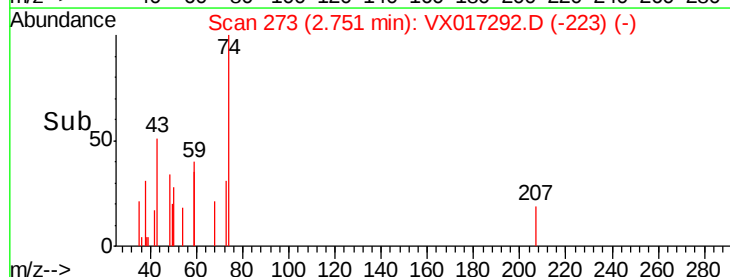
1000

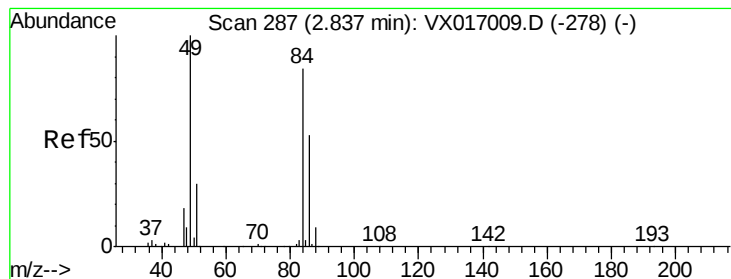
500

0

Time-->

2.65 2.70 2.75 2.80





#20

Methylene Chloride

Concen: 8.540 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

OK-02-070720

Tgt Ion: 84 Resp: 22665

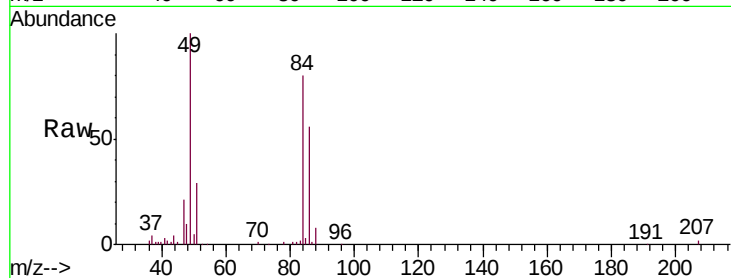
Ion Ratio Lower Upper

84 100

49 125.3 94.7 142.1

51 37.0 28.6 42.8

86 70.2 50.5 75.7



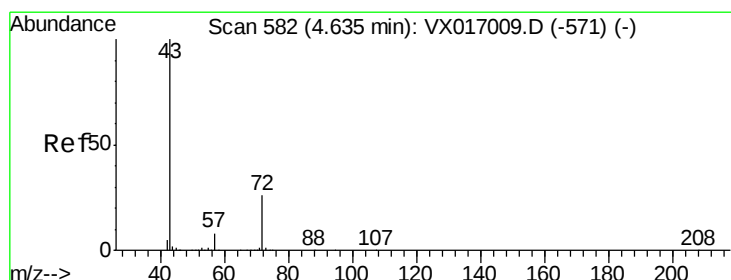
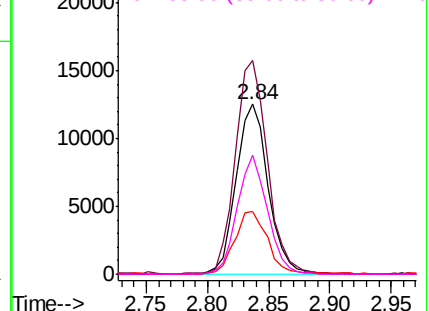
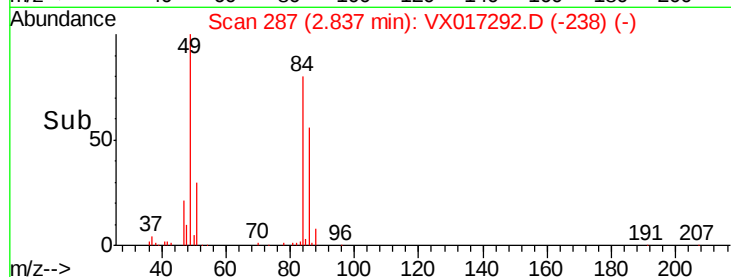
Abundance

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: 2.029 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX017292.D

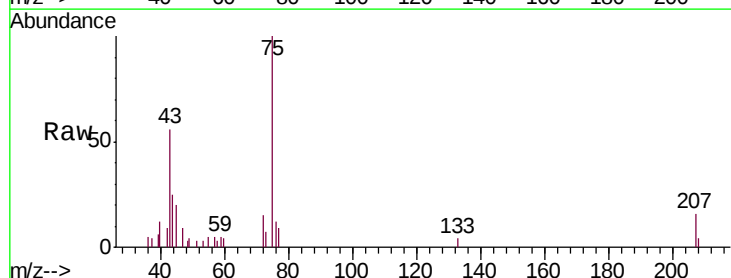
Acq: 09 Jul 2020 05:28

Tgt Ion: 43 Resp: 3635

Ion Ratio Lower Upper

43 100

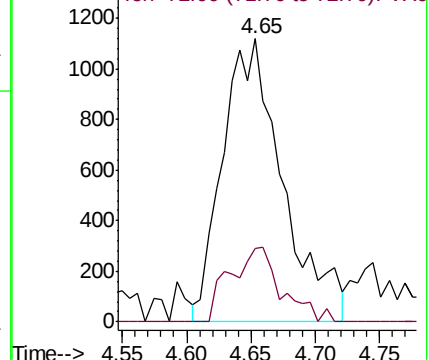
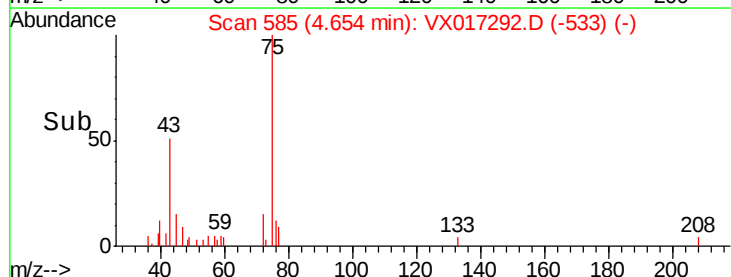
72 29.0 20.8 31.2

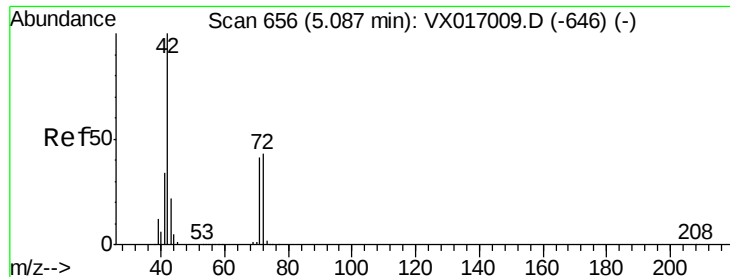


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.238 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

OK-02-070720

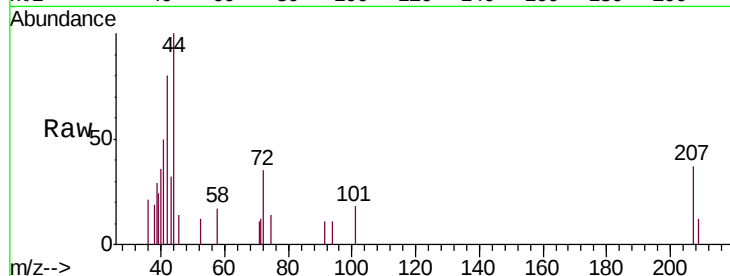
Tgt Ion: 42 Resp: 1466

Ion Ratio Lower Upper

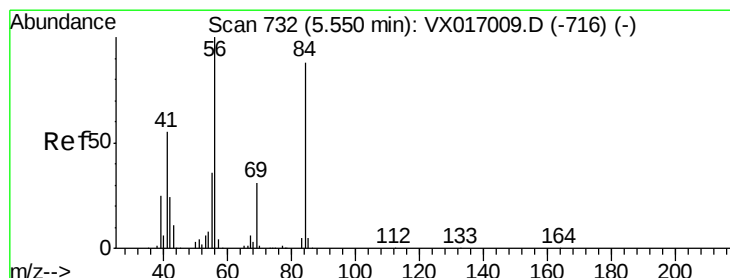
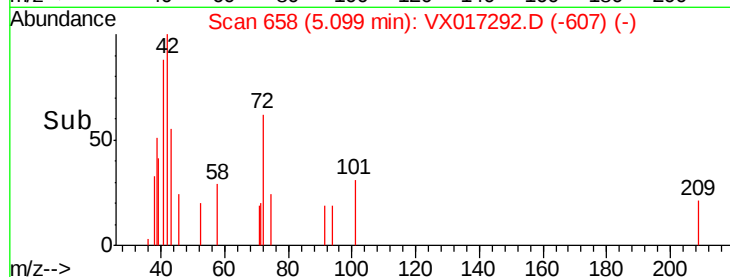
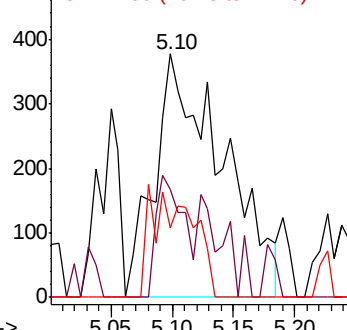
42 100

72 20.2 35.3 52.9#

71 13.2 33.1 49.7#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

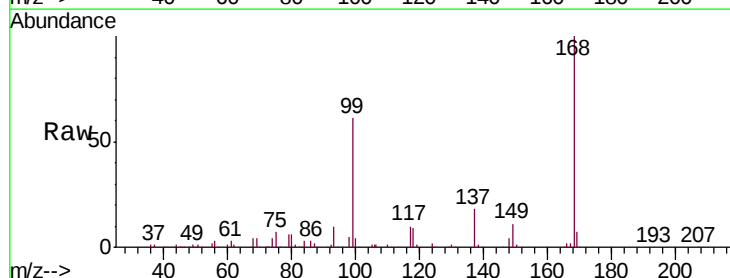
Tgt Ion: 56 Resp: 4934

Ion Ratio Lower Upper

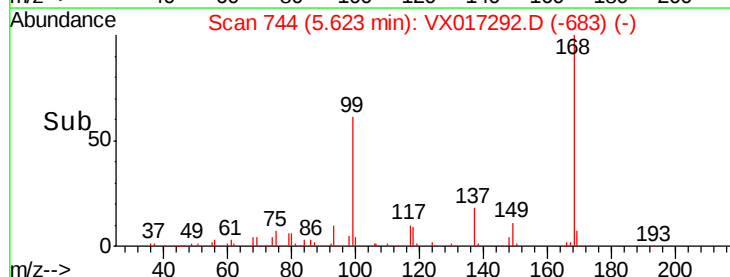
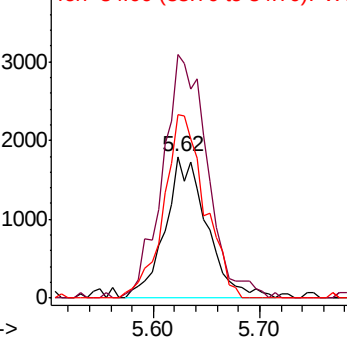
56 100

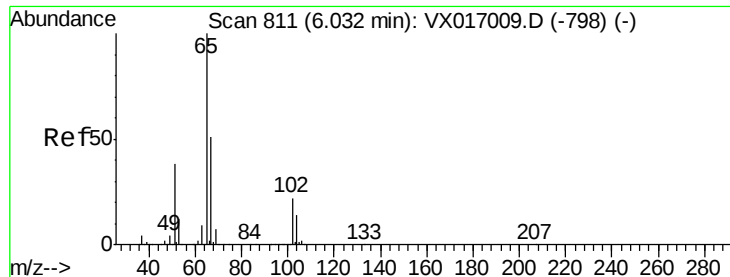
69 168.5 25.0 37.4#

84 129.2 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

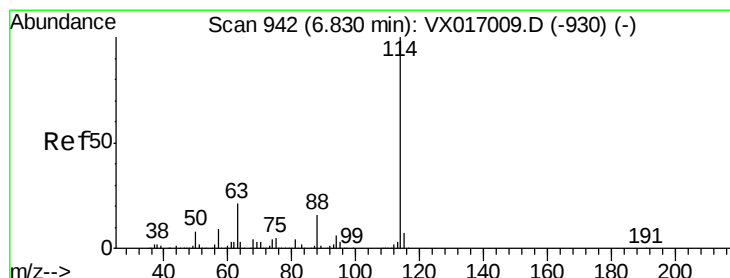
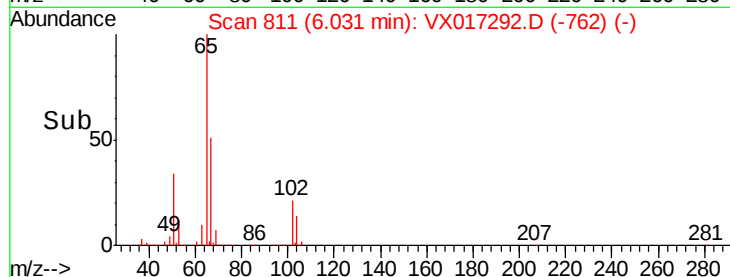
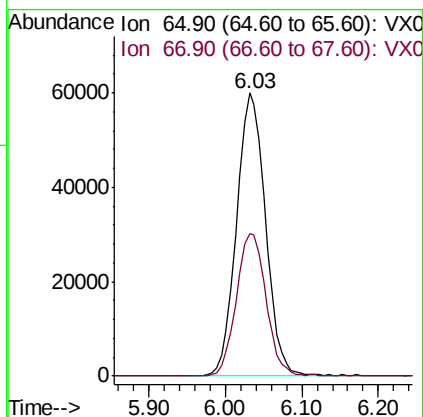
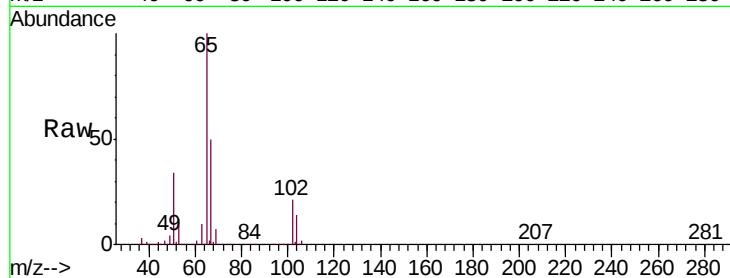




#33
 1,2-Dichloroethane-d4
 Concen: 54.846 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017292.D
 Acq: 09 Jul 2020 05:28

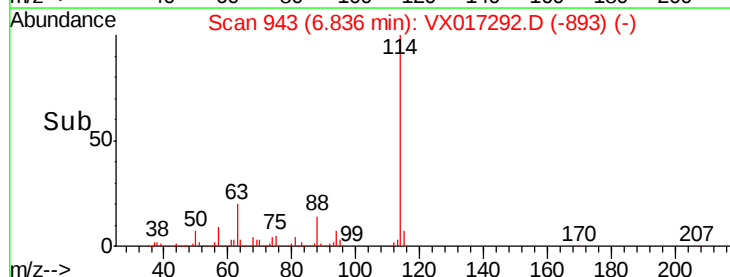
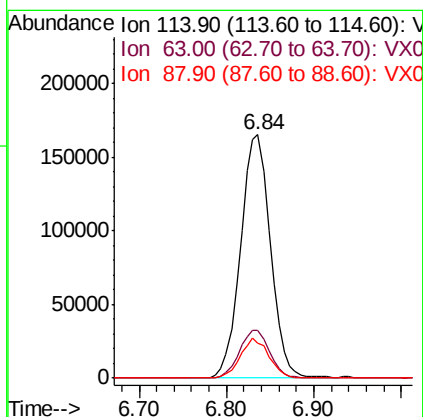
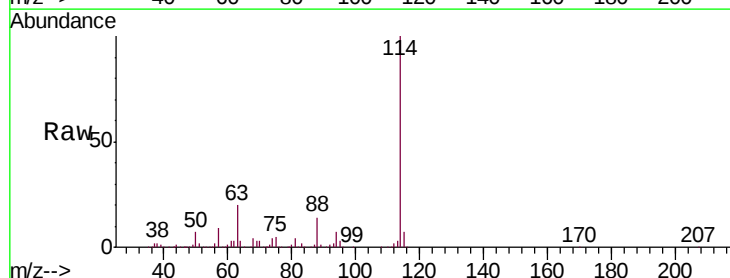
Instrument :
 MSVOA_X
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 OK-02-070720

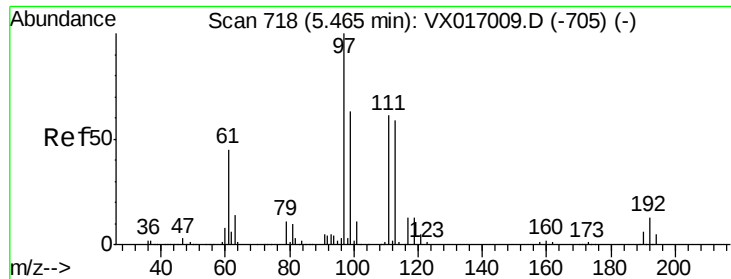
Tgt Ion: 65 Resp: 157669
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017292.D
 Acq: 09 Jul 2020 05:28

Tgt Ion: 114 Resp: 391829
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 14.4 0.0 32.4

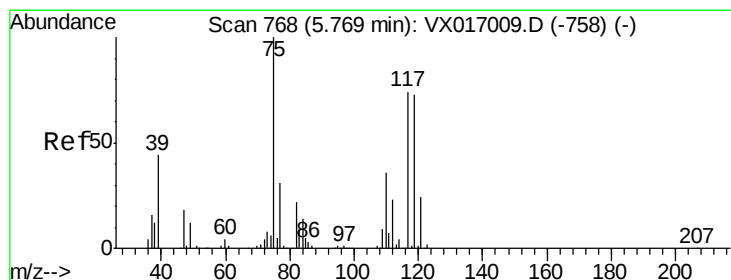
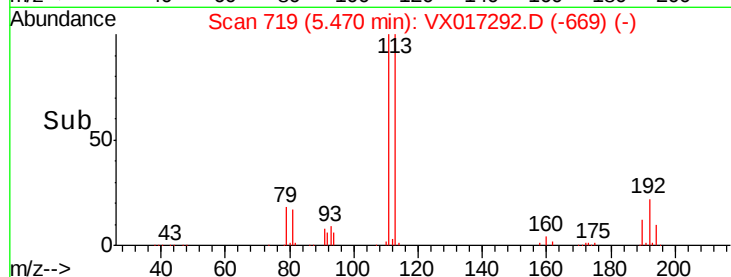
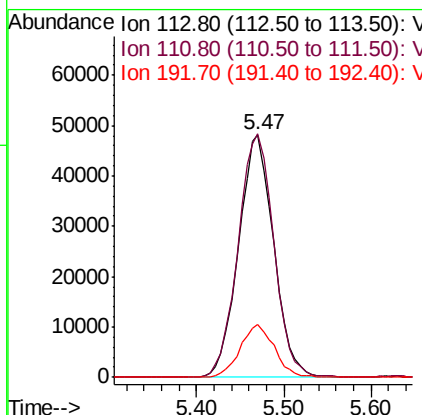
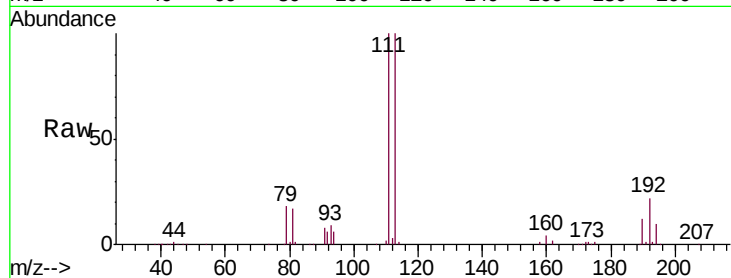




#35
Dibromofluoromethane
Concen: 54.129 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

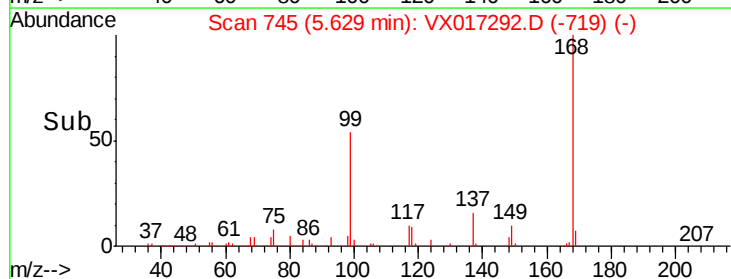
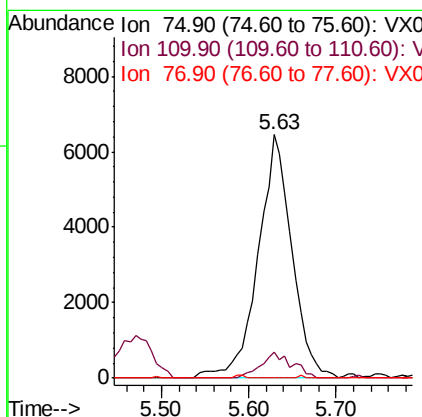
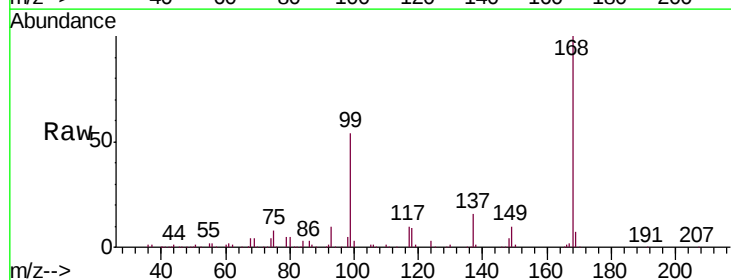
Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

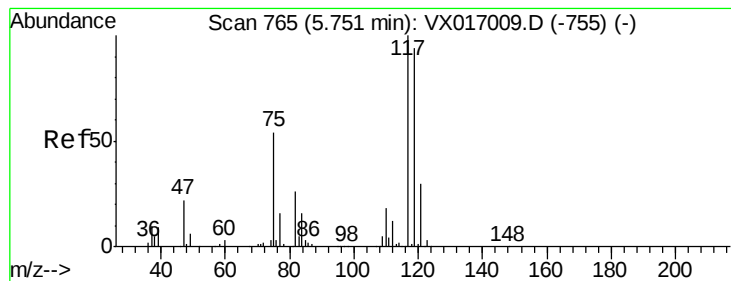
Tgt Ion:113 Resp: 134163
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion: 75 Resp: 17273
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.548 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

OK-02-070720

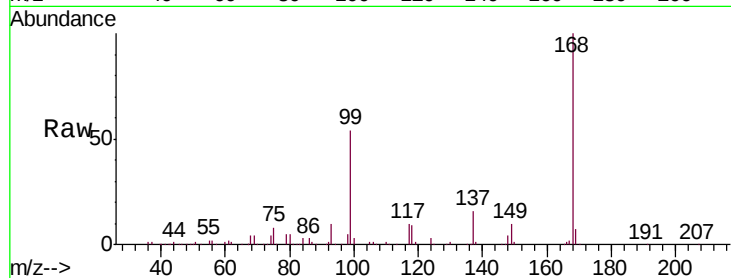
Tgt Ion:117 Resp: 22630

Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

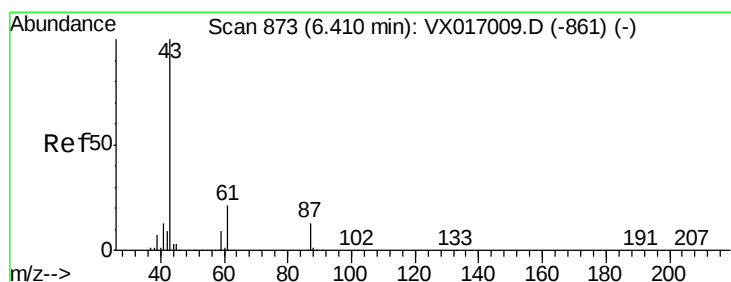
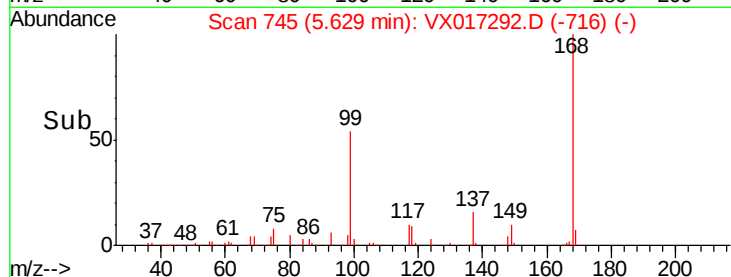
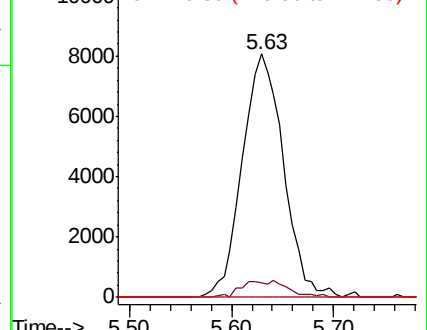
121 0.0 23.8 35.6#



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



#43

Isopropyl Acetate

Concen: 8.007 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

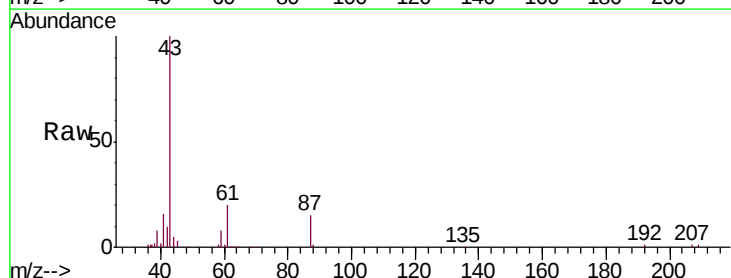
Tgt Ion: 43 Resp: 49993

Ion Ratio Lower Upper

43 100

61 20.9 16.2 24.2

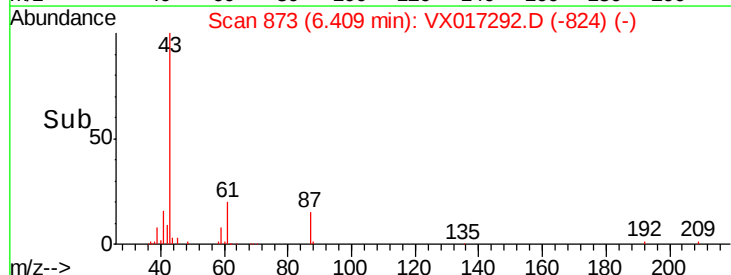
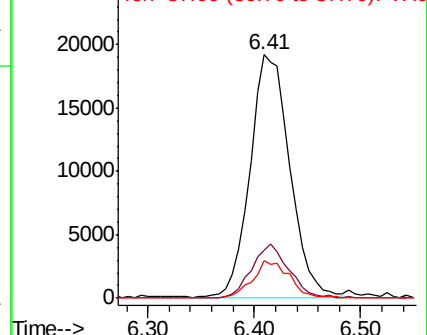
87 14.5 10.7 16.1

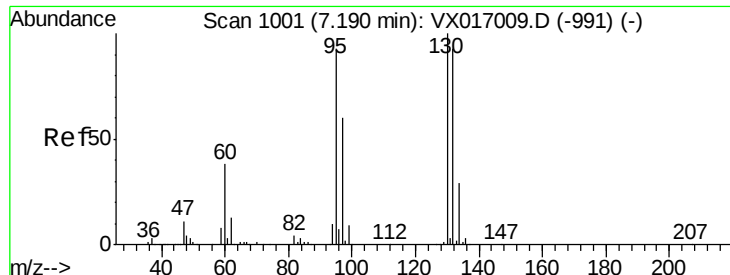


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#44

Trichloroethene

Concen: Below Cal

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

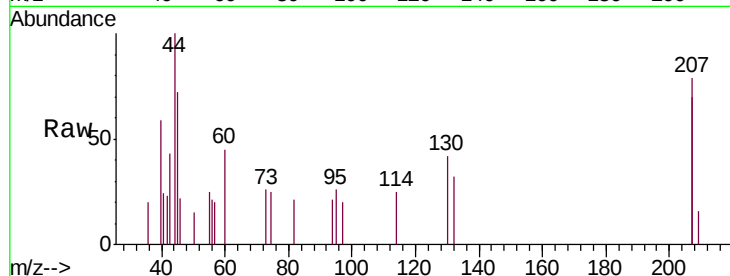
OK-02-070720

Tgt Ion:130 Resp: 236

Ion Ratio Lower Upper

130 100

95 62.0 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

250

200

150

100

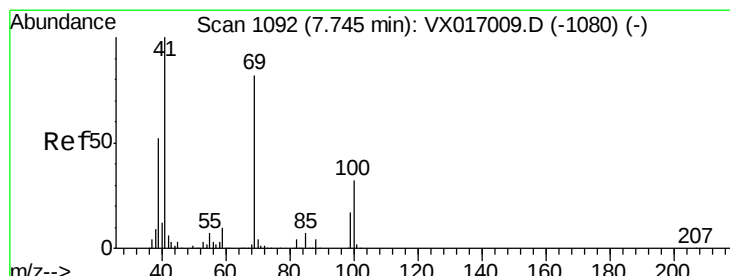
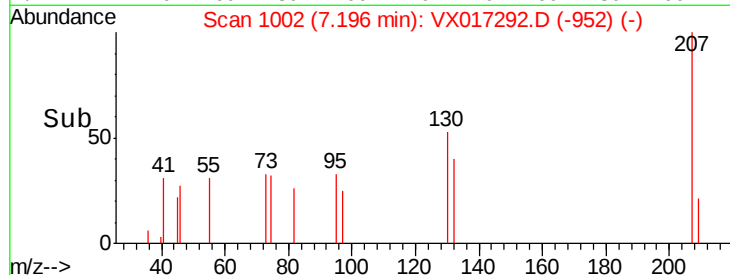
50

0

7.15

7.20

Time-->



#48

Methyl methacrylate

Concen: 1.043 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.09 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

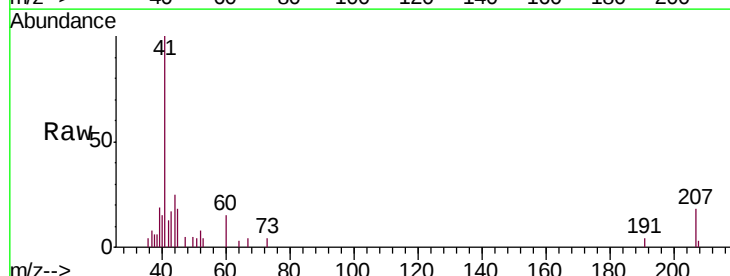
Tgt Ion: 41 Resp: 3095

Ion Ratio Lower Upper

41 100

69 0.0 65.8 98.8#

39 0.0 42.5 63.7#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

2000

1500

1000

500

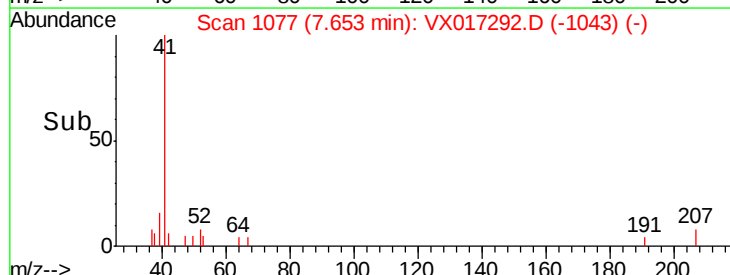
0

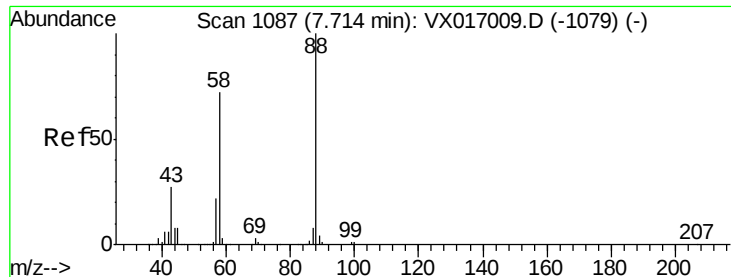
7.60

7.65

7.70

Time-->

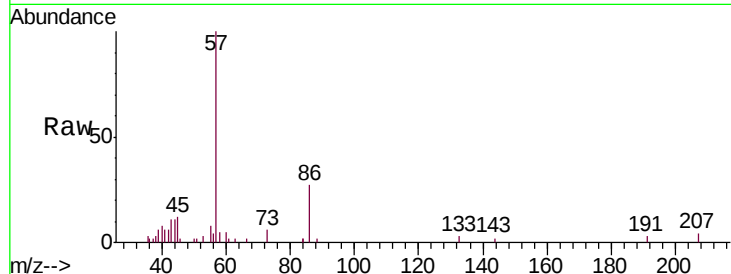




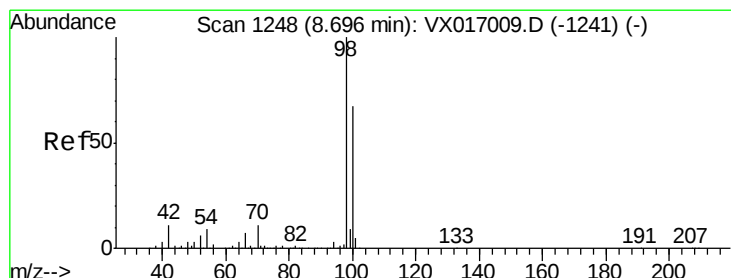
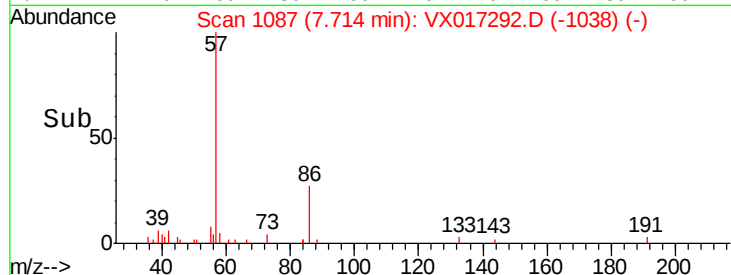
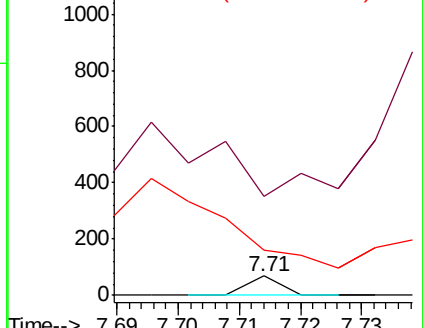
#49
1,4-Dioxane
Concen: 0.372 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.8#
58 2916.0 54.8 82.2#

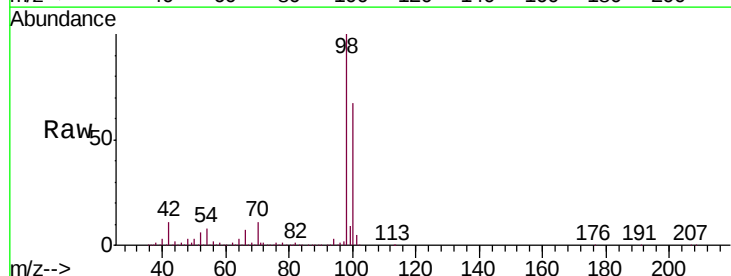


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

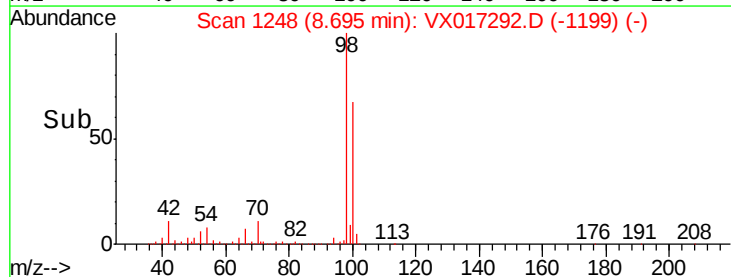
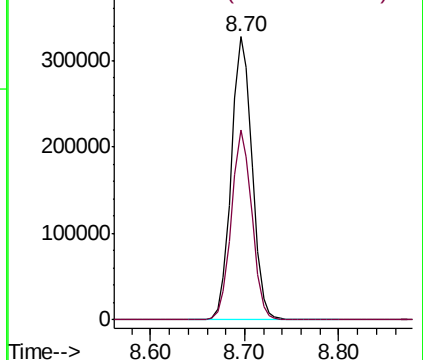


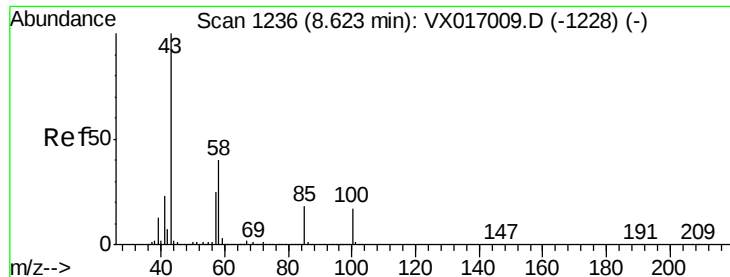
#50
Toluene-d8
Concen: 54.850 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion: 98 Resp: 502715
Ion Ratio Lower Upper
98 100
100 66.3 53.8 80.6



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

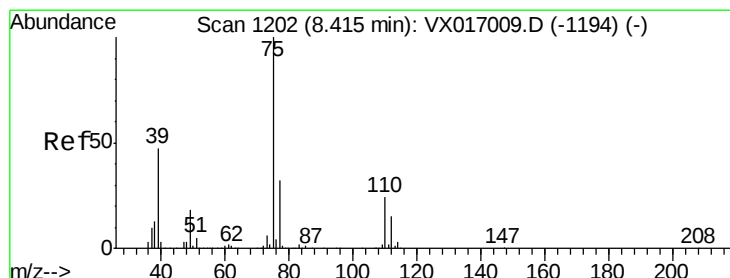
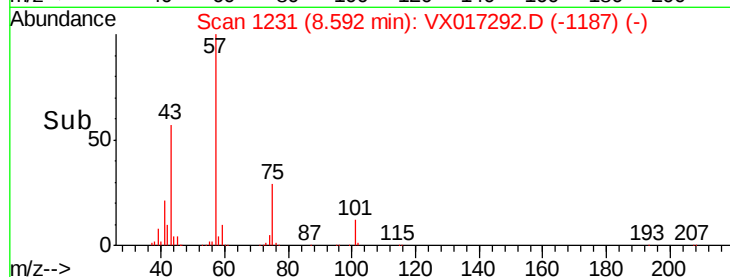
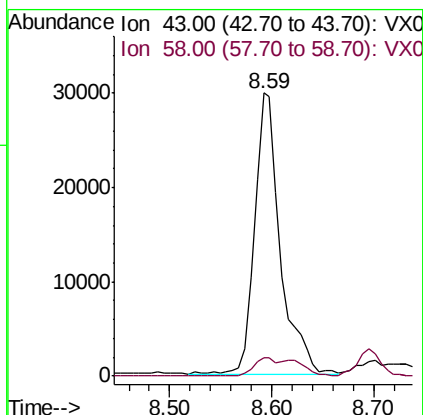
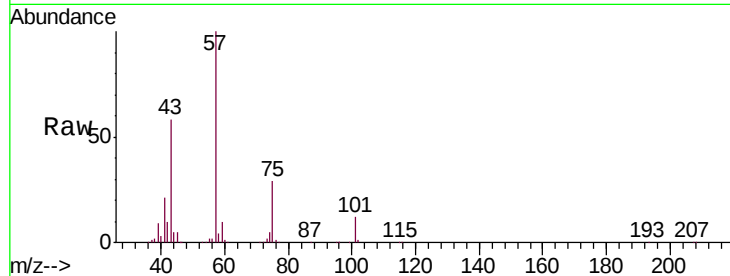




#51
 4-Methyl-2-Pentanone
 Concen: 14.126 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017292.D
 Acq: 09 Jul 2020 05:28

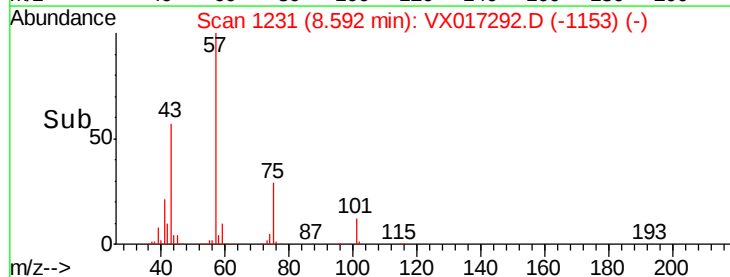
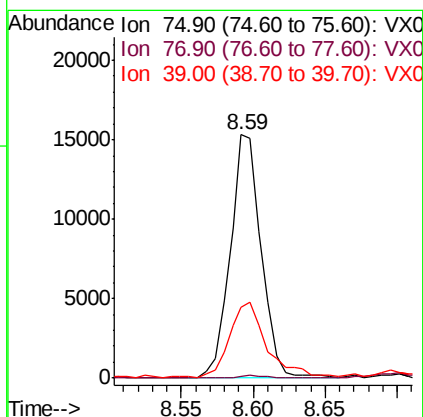
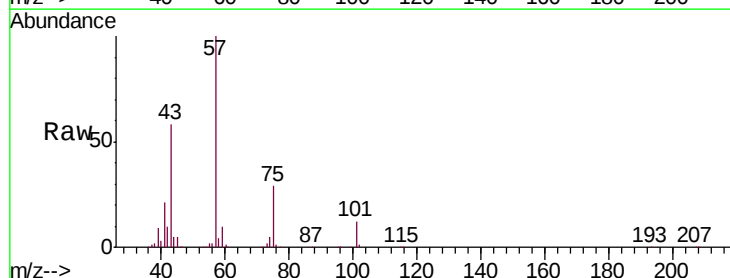
Instrument :
 MSVOA_X
 ClientSampleId :
 OK-02-070720

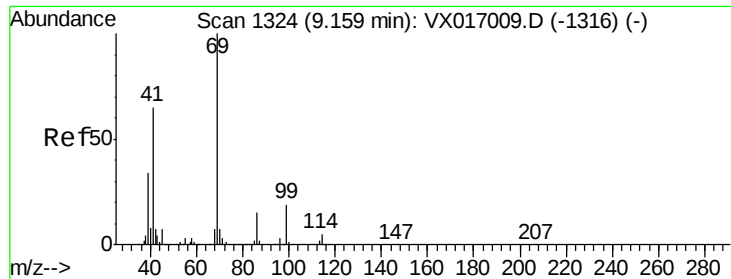
Tgt Ion: 43 Resp: 52575
 Ion Ratio Lower Upper
 43 100
 58 6.7 31.9 47.9#



#54
 cis-1,3-Dichloropropene
 Concen: 4.953 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017292.D
 Acq: 09 Jul 2020 05:28

Tgt Ion: 75 Resp: 23034
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.2 37.8#
 39 28.6 37.4 56.2#

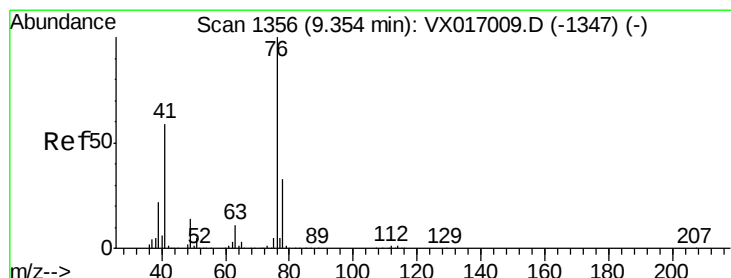
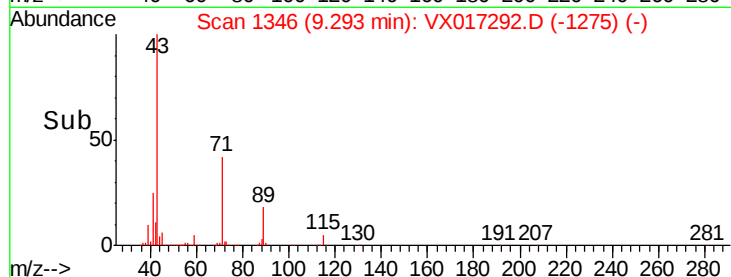
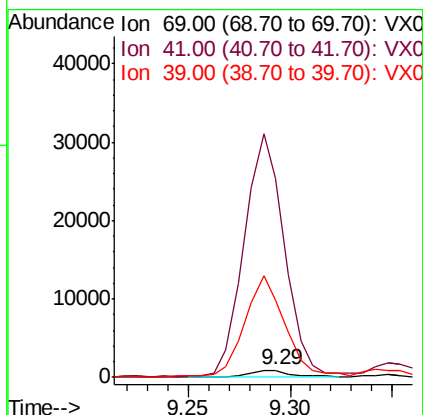
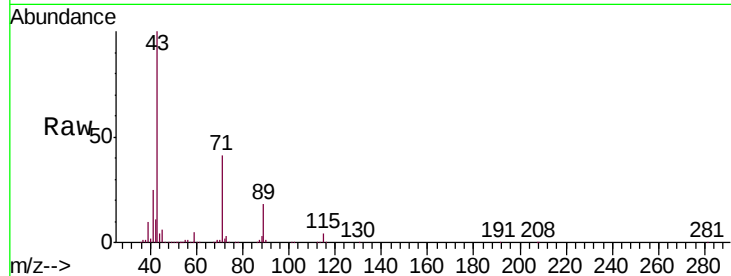




#56
Ethyl methacrylate
Concen: 0.342 ug/l
RT: 9.29 min Scan# 1346
Delta R.T. 0.13 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

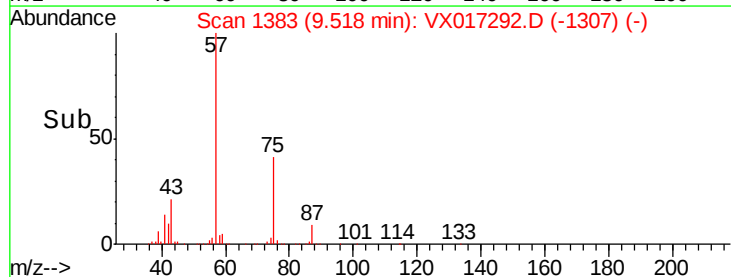
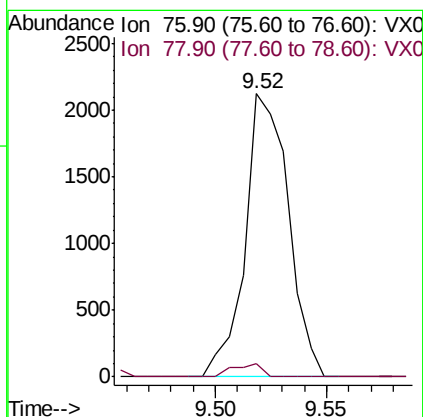
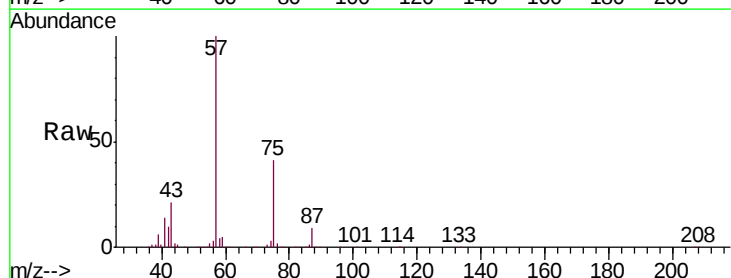
Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

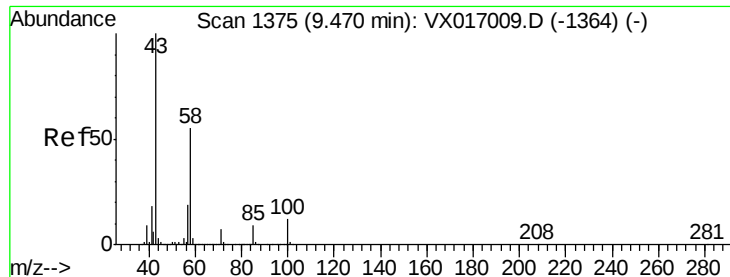
Tgt Ion: 69 Resp: 1351
Ion Ratio Lower Upper
69 100
41 3215.1 53.6 80.4#
39 1339.9 28.2 42.2#



#57
1,3-Dichloropropane
Concen: 0.612 ug/l
RT: 9.52 min Scan# 1383
Delta R.T. 0.16 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion: 76 Resp: 2875
Ion Ratio Lower Upper
76 100
78 3.0 25.9 38.9#

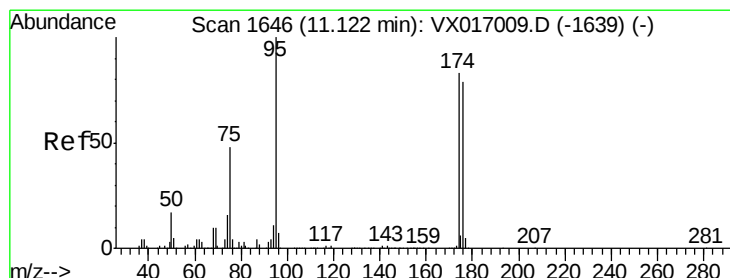
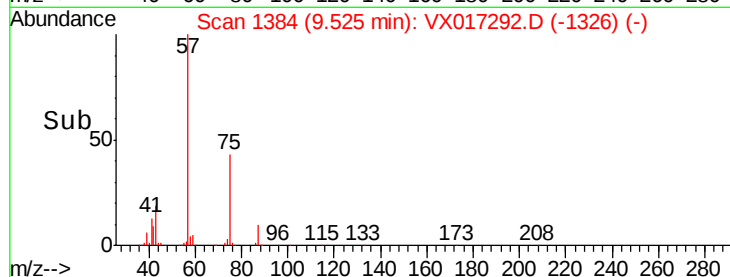
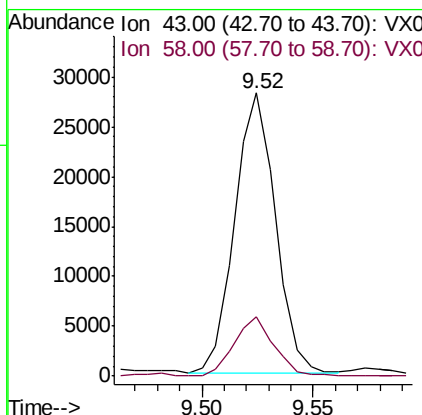
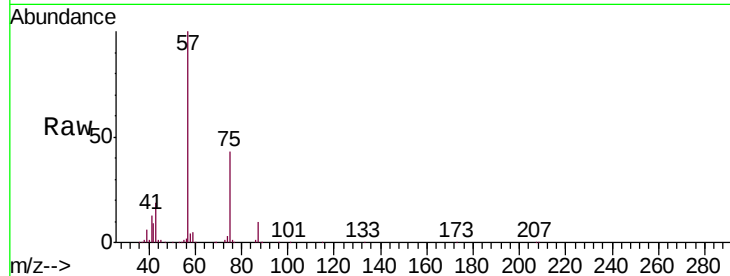




#59
2-Hexanone
Concen: 13.123 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

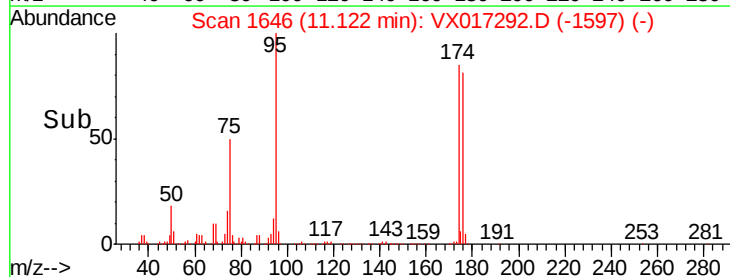
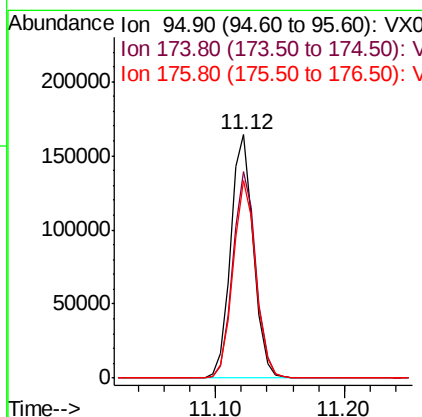
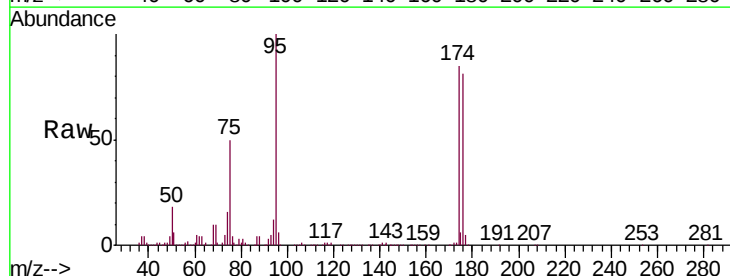
Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

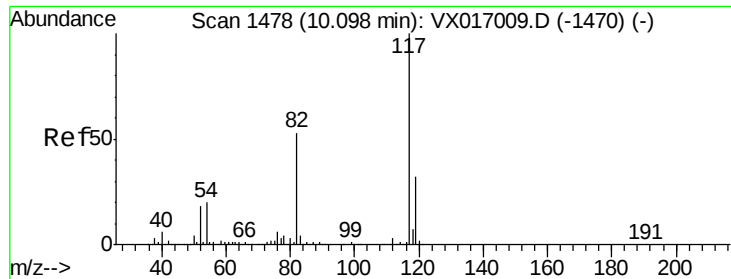
Tgt Ion: 43 Resp: 35671
Ion Ratio Lower Upper
43 100
58 20.4 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 56.718 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion: 95 Resp: 203212
Ion Ratio Lower Upper
95 100
174 85.9 0.0 164.0
176 81.2 0.0 157.6

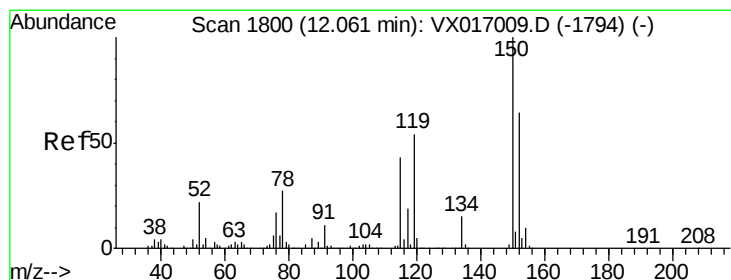
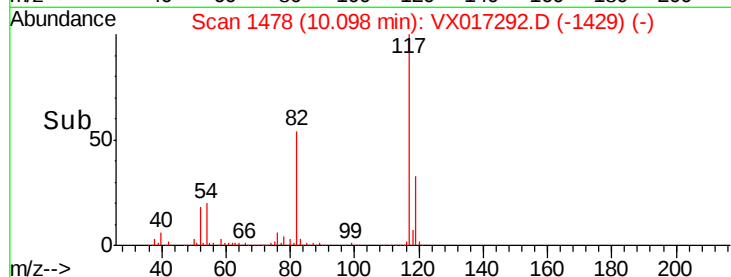
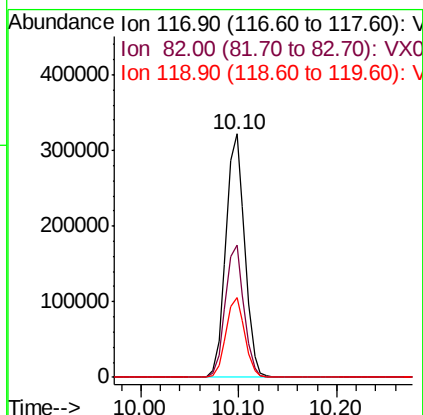
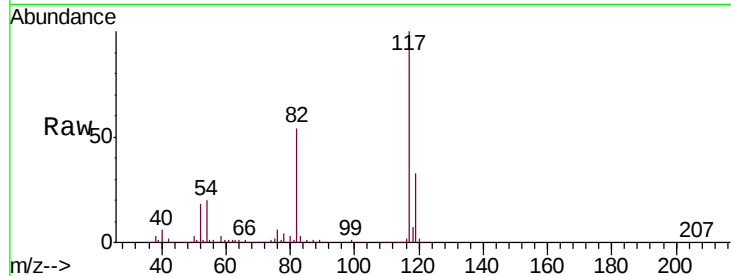




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

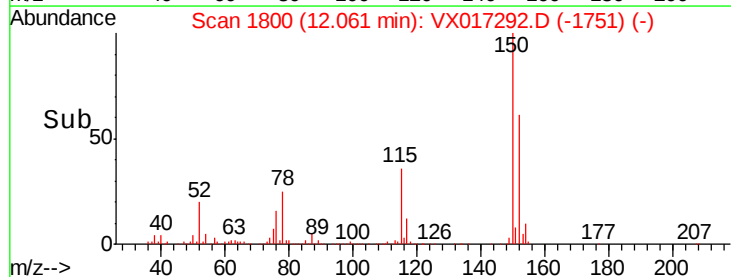
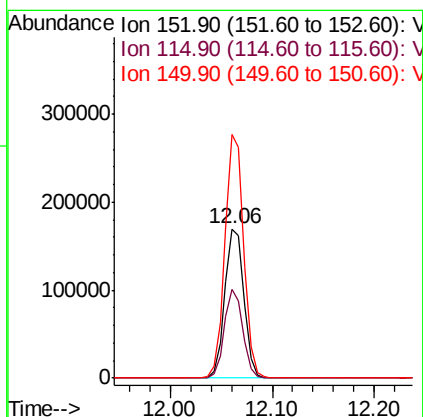
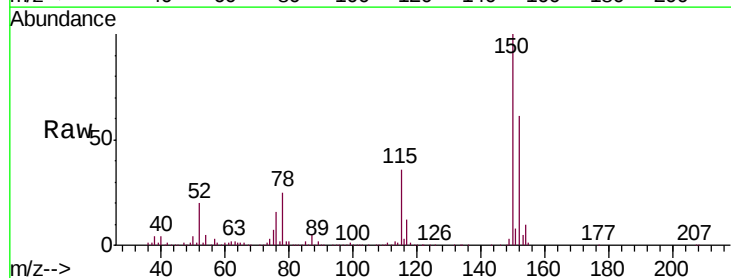
Instrument :
MSVOA_X
ClientSampleId :
OK-02-070720

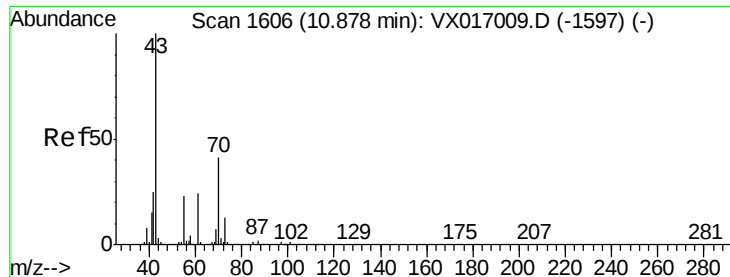
Tgt Ion:117 Resp: 431286
Ion Ratio Lower Upper
117 100
82 54.2 42.6 63.8
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017292.D
Acq: 09 Jul 2020 05:28

Tgt Ion:152 Resp: 220002
Ion Ratio Lower Upper
152 100
115 57.3 40.9 122.7
150 159.0 0.0 351.6





#74

N-ethyl acetate

Concen: 0.333 ug/l

RT: 10.81 min Scan# 1595

Delta R.T. -0.07 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampled :

OK-02-070720

Tgt Ion: 43 Resp: 2045

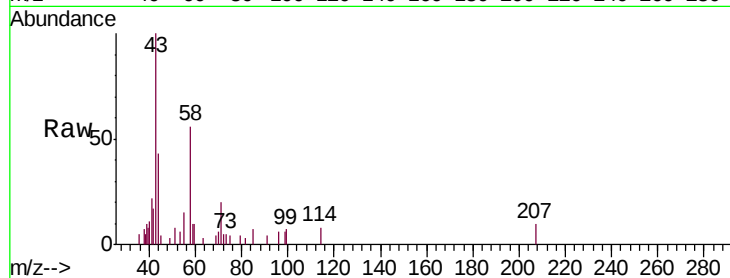
Ion Ratio Lower Upper

43 100

70 6.8 34.2 51.2#

55 20.4 19.2 28.8

61 0.0 19.6 29.4#

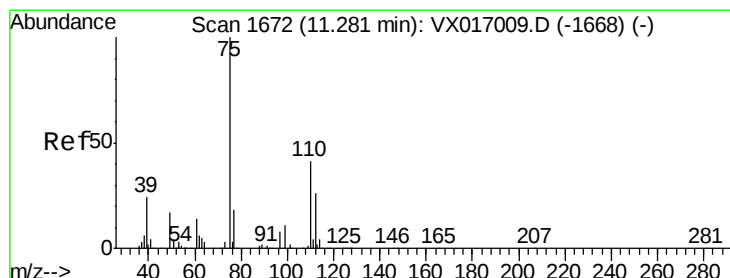
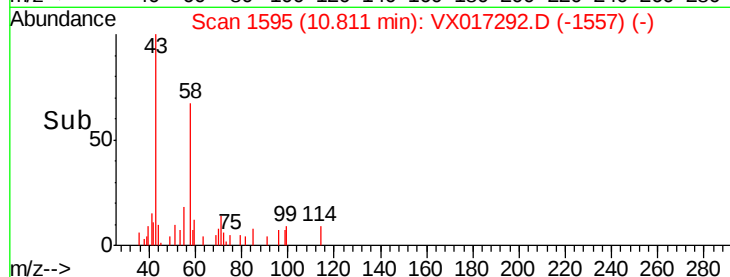
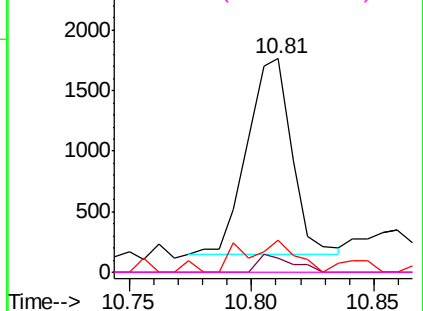


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 23.751 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017292.D

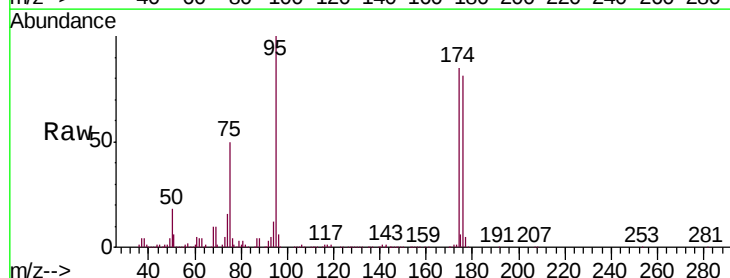
Acq: 09 Jul 2020 05:28

Tgt Ion: 75 Resp: 102754

Ion Ratio Lower Upper

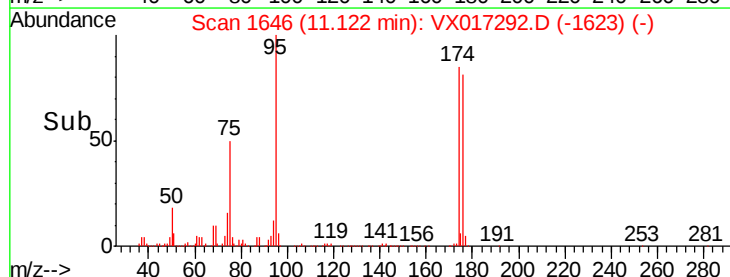
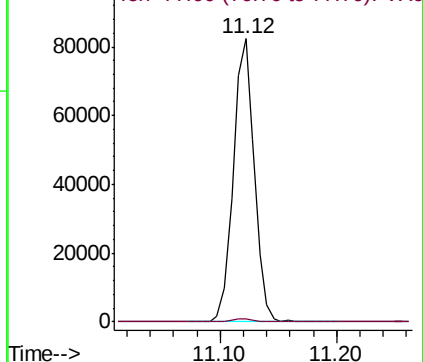
75 100

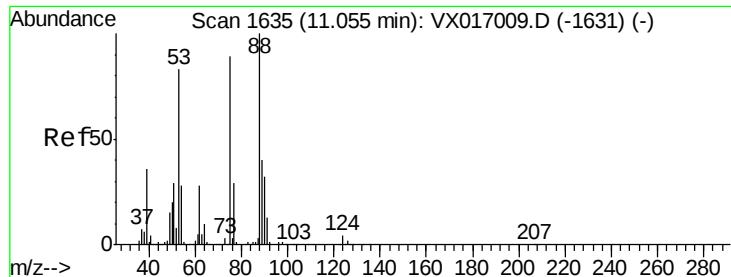
77 1.2 20.2 60.6#



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: 61.508 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017292.D

Acq: 09 Jul 2020 05:28

Instrument :

MSVOA_X

ClientSampleId :

OK-02-070720

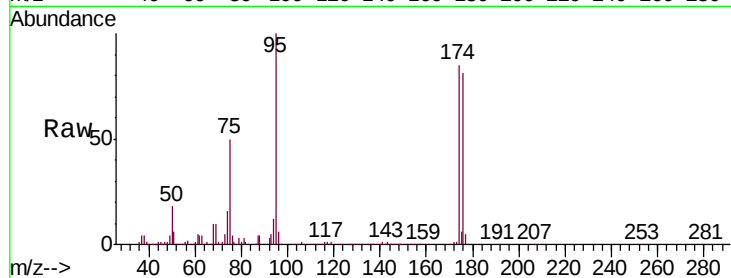
Tgt Ion: 75 Resp: 102754

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

