

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017397.D
 Acq On : 16 Jul 2020 17:36
 Operator : JC/SP
 Sample : L3320-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200715090-01-TRIP-BLANK

Quant Time: Jul 17 01:01:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	448132	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	484148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	264821	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	178108	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	
35) Dibromofluoromethane	5.47	113	154333	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	8.70	98	562800	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.12	95	230190	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	

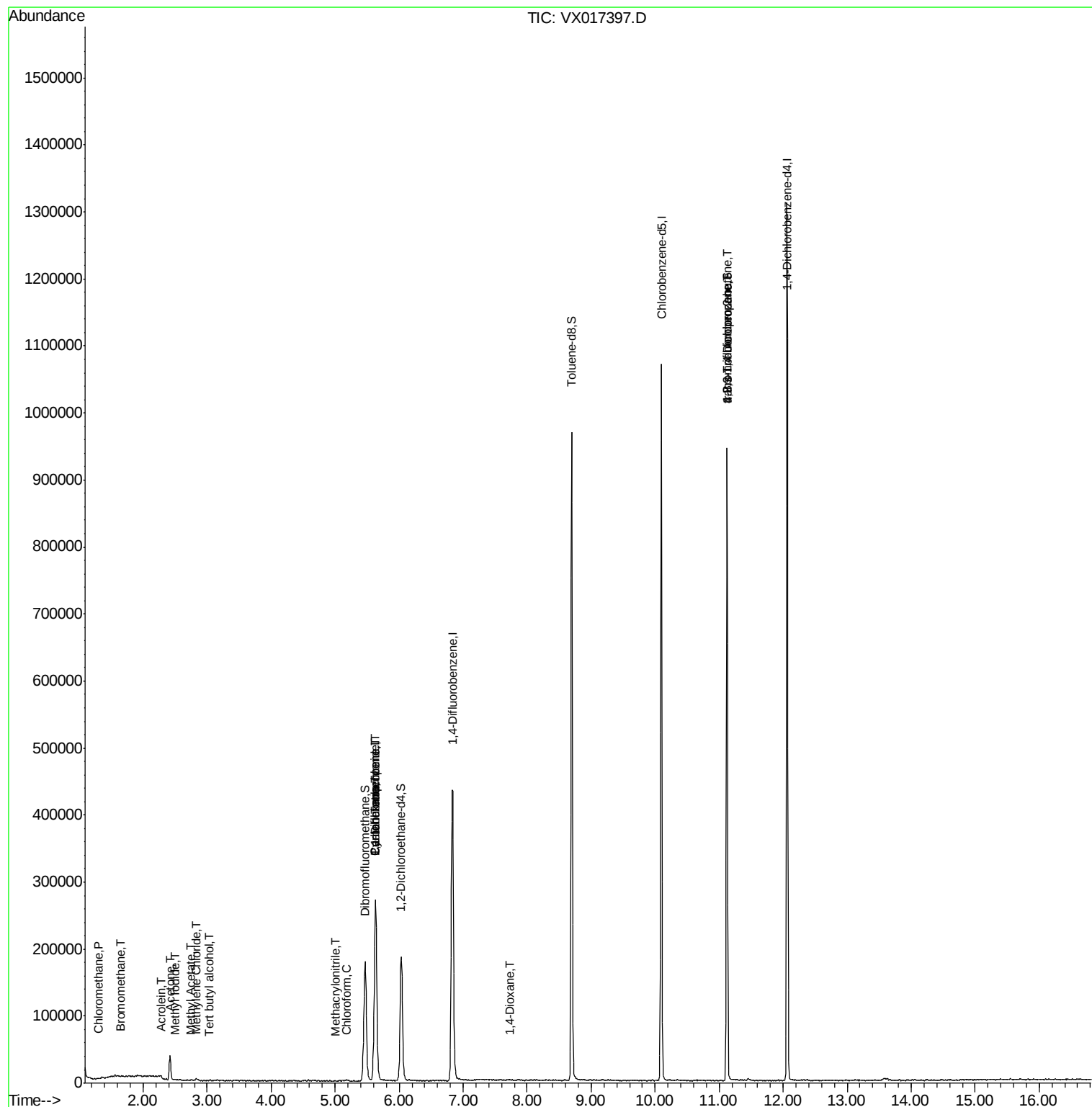
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	654	0.269	ug/l #	50
5) Bromomethane	1.64	94	461	0.295	ug/l #	40
10) Methyl Iodide	2.50	142	44	2.388	ug/l #	1
11) Tert butyl alcohol	3.03	59	375	0.696	ug/l #	1
13) Acrolein	2.28	56	338	1.144	ug/l #	14
16) Acetone	2.42	43	38089	33.382	ug/l	96
18) Methyl Acetate	2.75	43	806	0.286	ug/l	99
20) Methylene Chloride	2.83	84	899	0.323	ug/l #	93
30) Chloroform	5.18	83	1771	0.366	ug/l	86
31) Cyclohexane	5.63	56	4584	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19673	4.773	ug/l #	45
38) Carbon Tetrachloride	5.64	117	24758	5.130	ug/l #	18
41) Methacrylonitrile	5.00	41	498	0.218	ug/l #	41
49) 1,4-Dioxane	7.73	88	19	0.284	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114868	23.474	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	114868	59.548	ug/l #	11

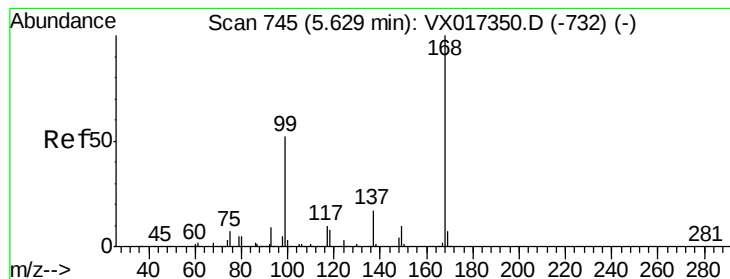
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 14 02:59:51 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: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

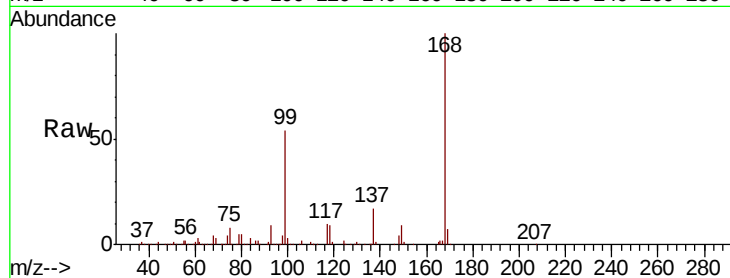
200715090-01-TRIP-BLANK

Tot Ion:168 Resp: 254827

Ion Ratio Lower Upper

168 100

99 54.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

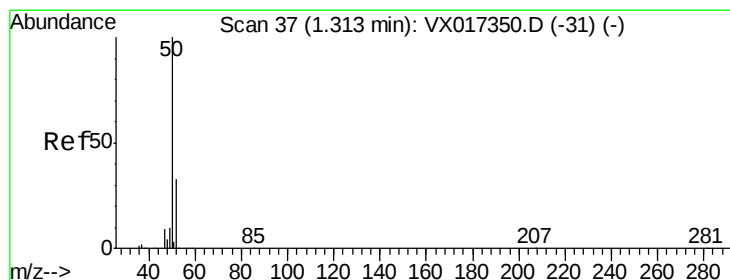
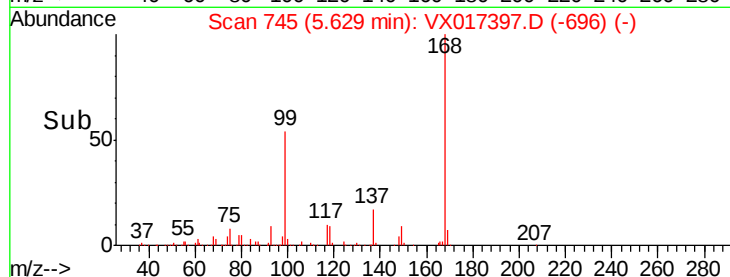
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.269 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017397.D

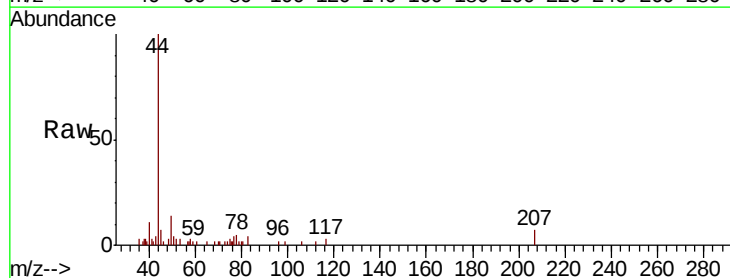
Acq: 16 Jul 2020 17:36

Tgt Ion: 50 Resp: 654

Ion Ratio Lower Upper

50 100

52 4.7 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

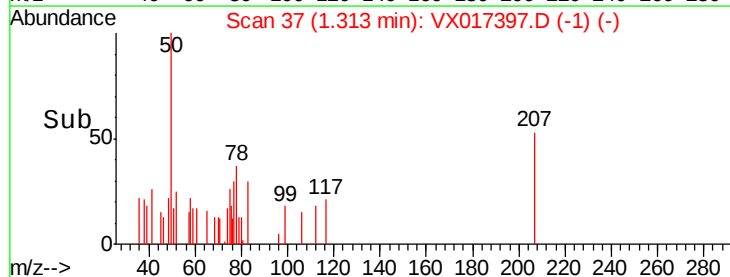
300

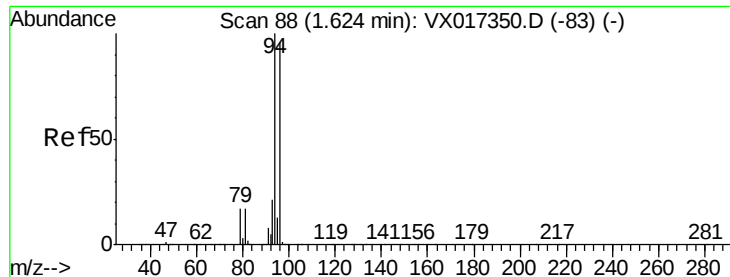
200

100

0

Time-->





#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

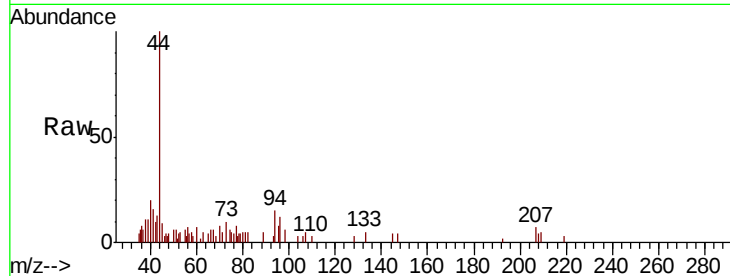
200715090-01-TRIP-BLANK

Tot Ion: 94 Resp: 461

Ion Ratio Lower Upper

94 100

96 36.9 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

200

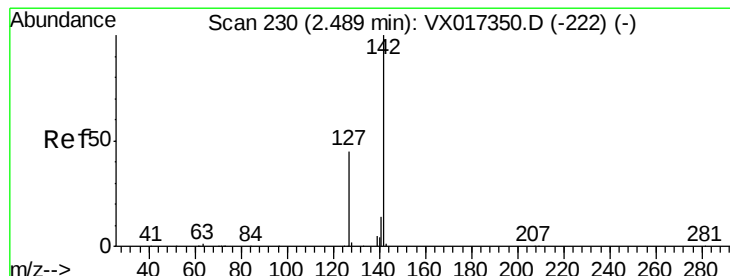
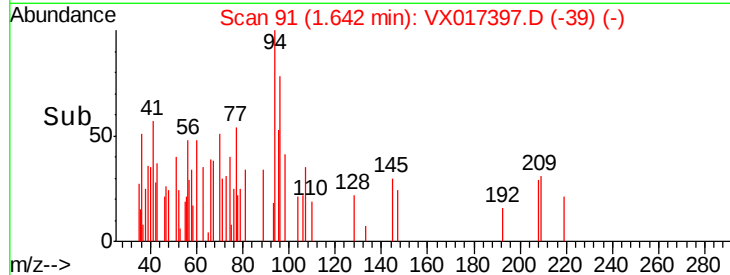
100

0

1.60

1.65

Time-->



#10

Methyl Iodide

Concen: 2.388 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

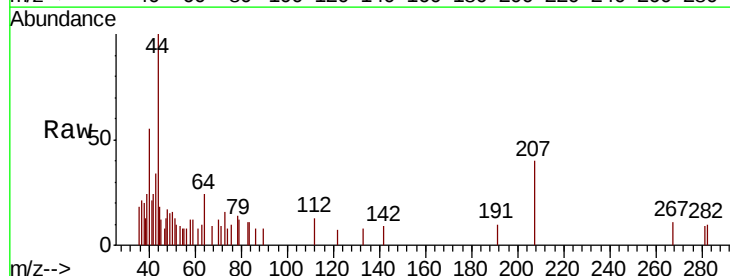
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 156.8 36.8 55.2#

141 0.0 11.4 17.0#



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

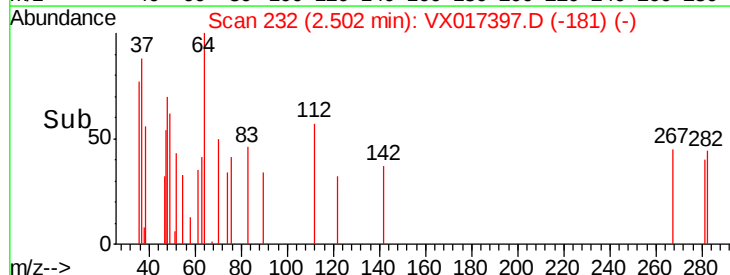
0

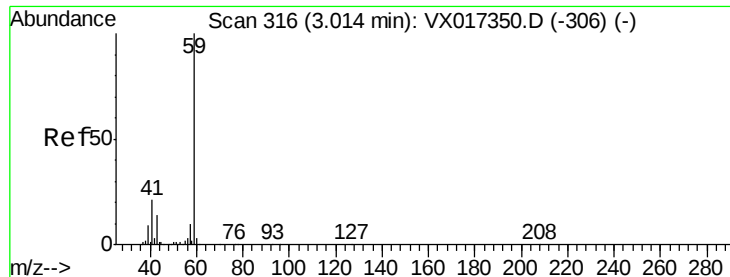
2.48

2.50

2.52

Time-->



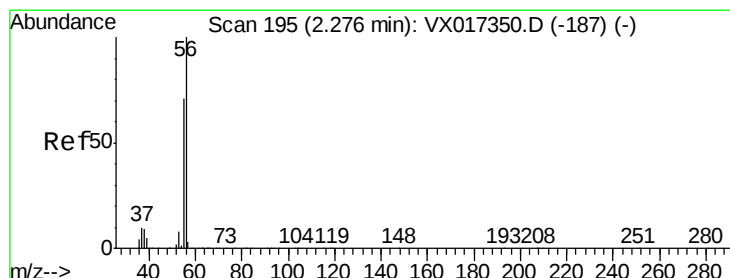
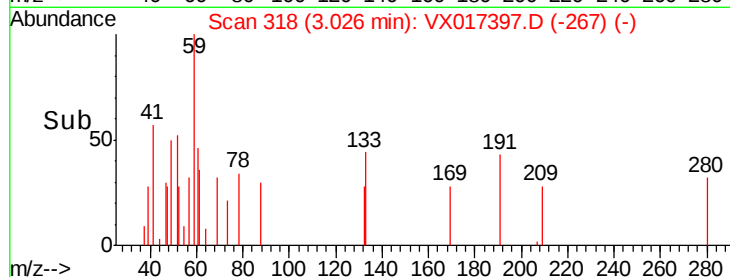
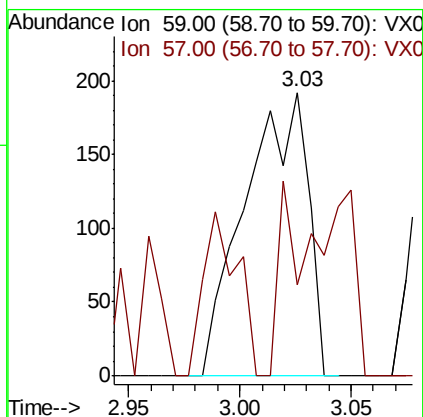
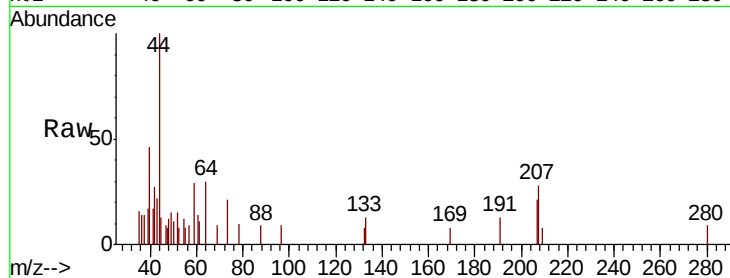


#11

Tert butyl alcohol
Concen: 0.696 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
200715090-01-TRIP-BLANK

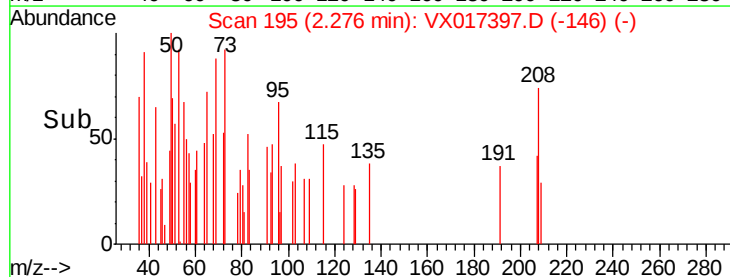
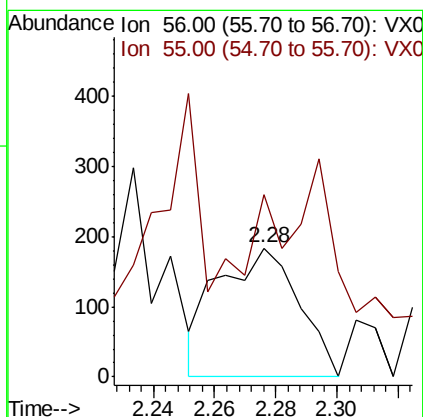
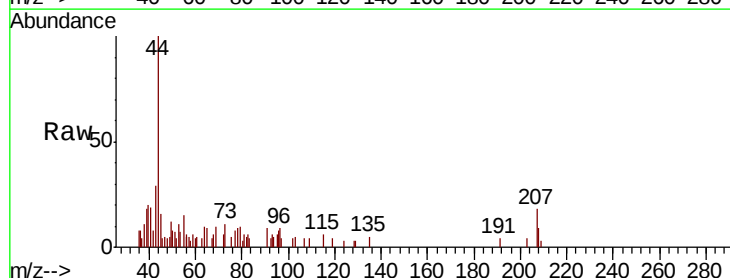
Tot Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 59.7 8.3 12.5#

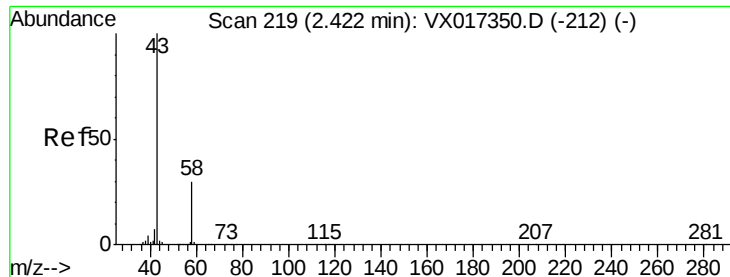


#13

Acrolein
Concen: 1.144 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Tgt Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





#16

Acetone

Concen: 33.382 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

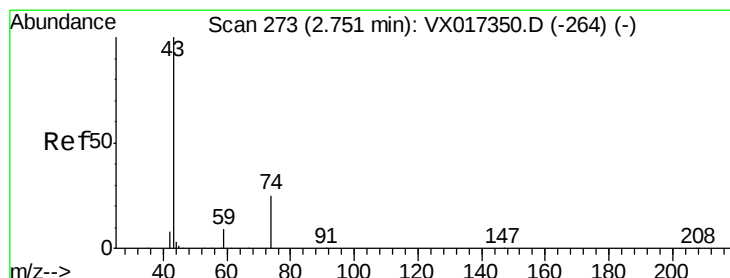
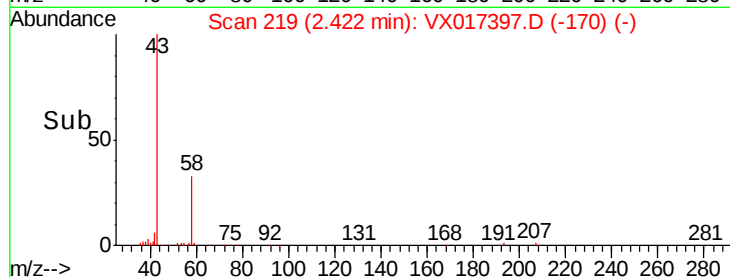
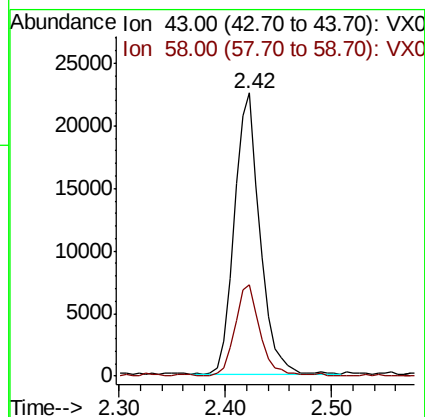
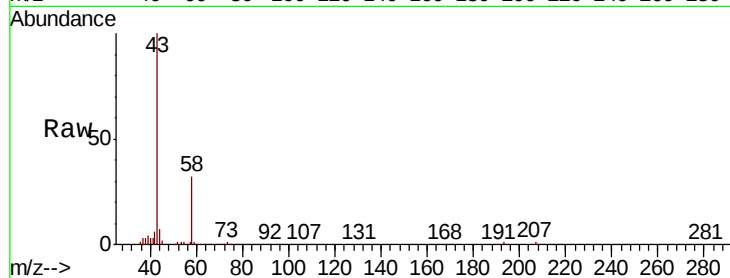
200715090-01-TRIP-BLANK

Tot Ion: 43 Resp: 38089

Ion Ratio Lower Upper

43 100

58 32.3 24.2 36.2



#18

Methyl Acetate

Concen: 0.286 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017397.D

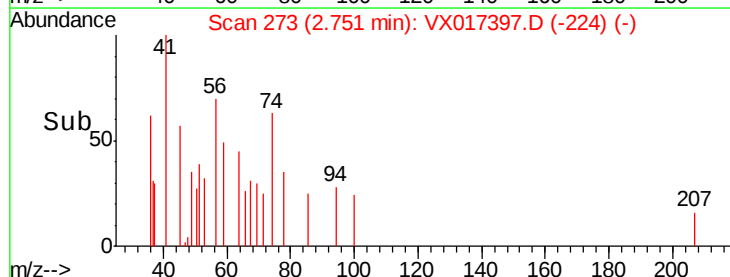
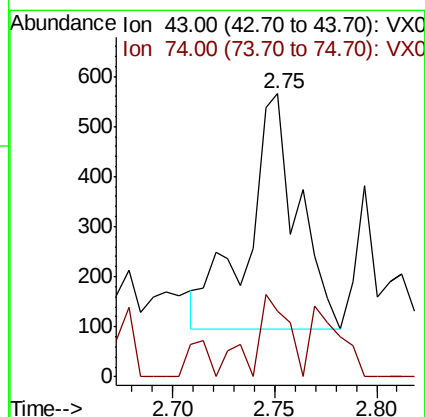
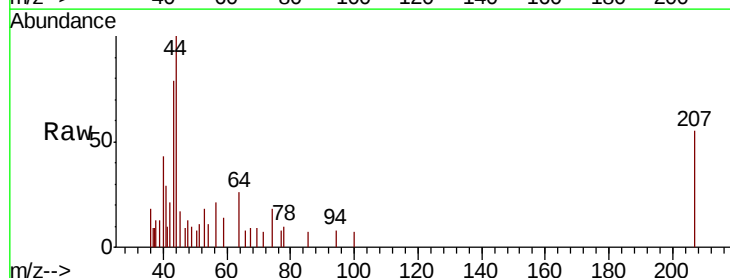
Acq: 16 Jul 2020 17:36

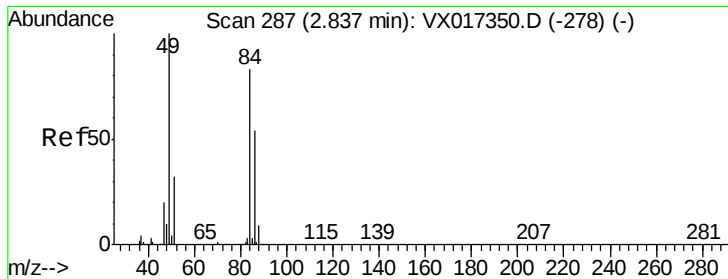
Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

74 23.7 19.4 29.2

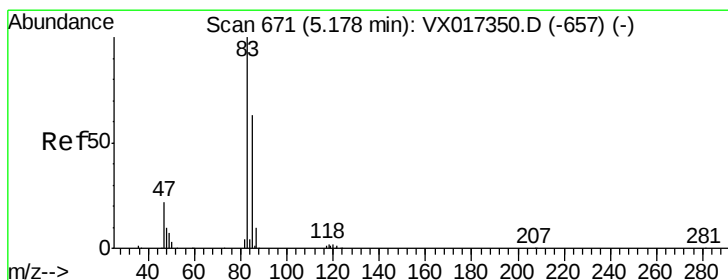
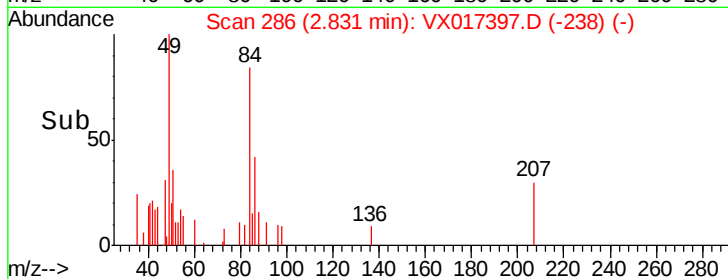
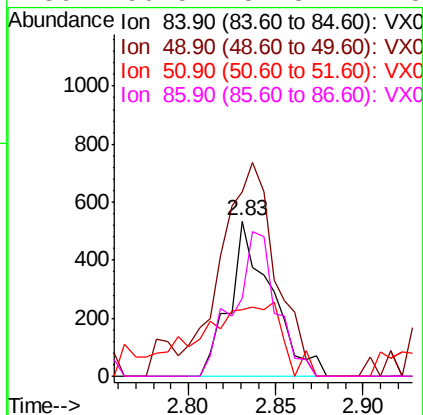
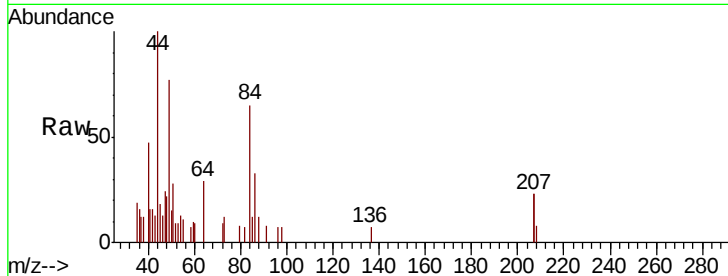




#20
Methvlene Chloride
Concen: 0.323 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

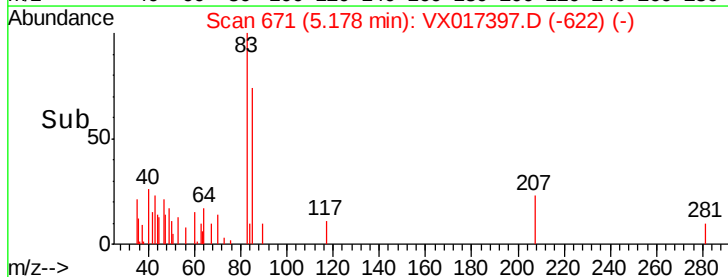
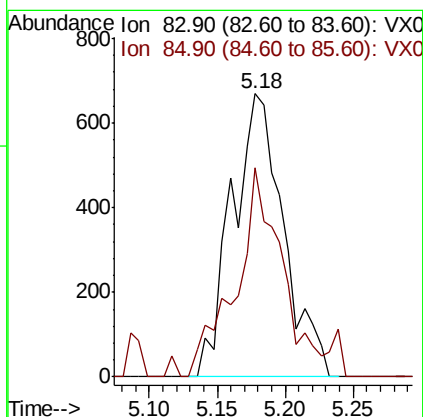
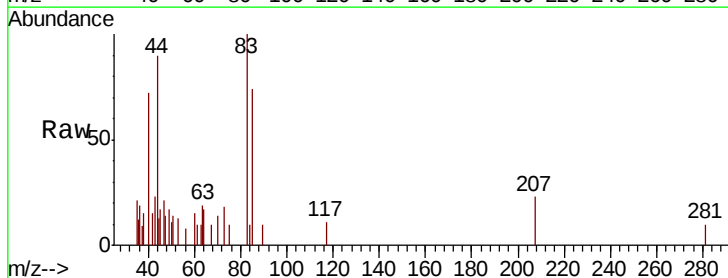
Instrument :
MSVOA_X
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200715090-01-TRIP-BLANK

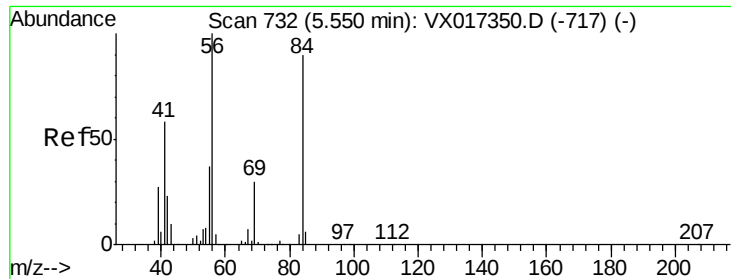
Tot Ion:	84	Resp:	899
Ion	Ratio	Lower	Upper
84	100		
49	119.1	95.8	143.8
51	42.6	31.0	46.4
86	50.5	51.8	77.8#



#30
Chloroform
Concen: 0.366 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Tgt Ion:	83	Resp:	1771
Ion	Ratio	Lower	Upper
83	100		
85	73.7	50.2	75.4

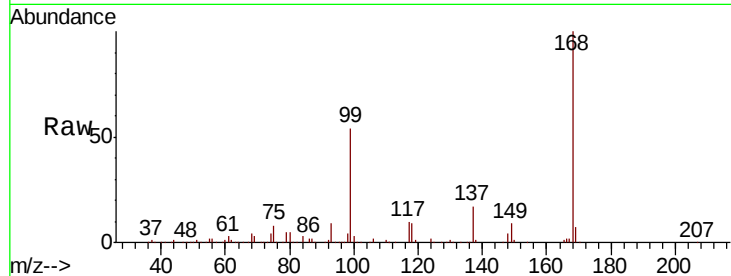




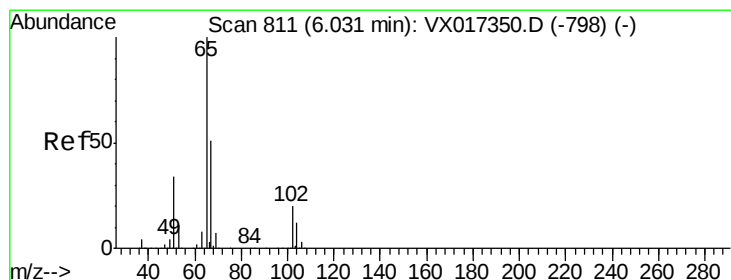
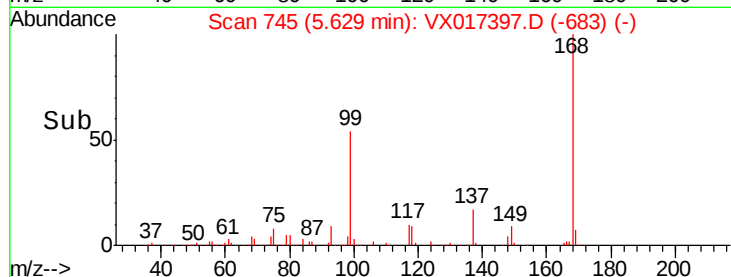
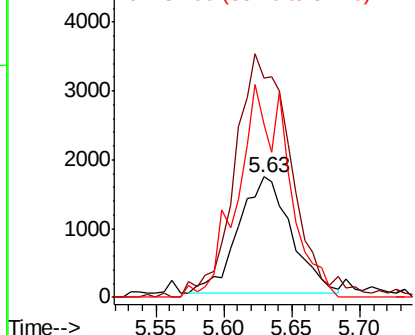
#31
Cvclohexane
Concen: 1.245 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
200715090-01-TRIP-BLANK

Tot Ion: 56 Resp: 4584
Ion Ratio Lower Upper
56 100
69 175.6 23.7 35.5#
84 149.2 71.8 107.6#

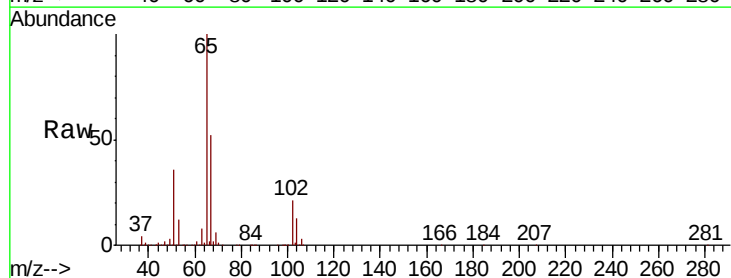


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

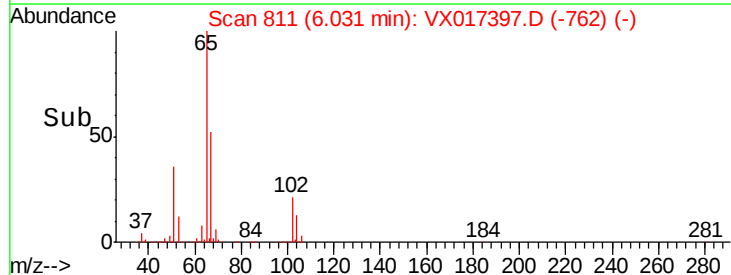
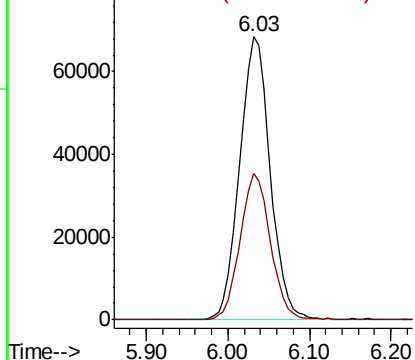


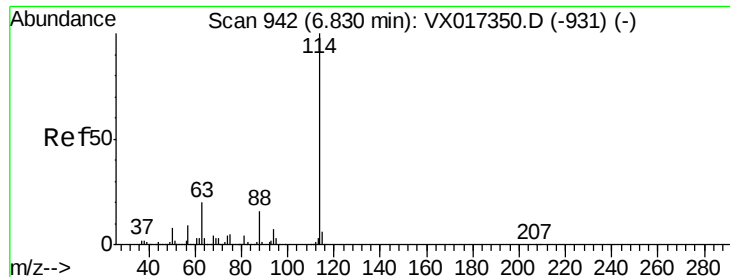
#33
1,2-Dichloroethane-d4
Concen: 55.688 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Tgt Ion: 65 Resp: 178108
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.6



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: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

200715090-01-TRIP-BLANK

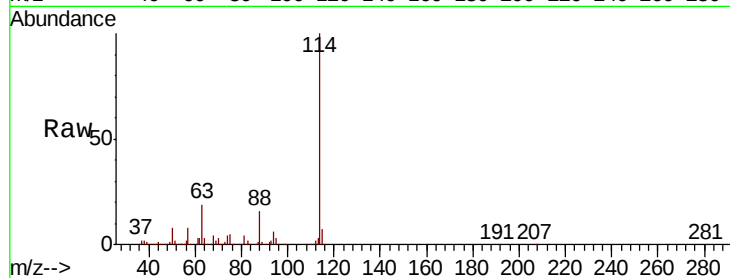
Tot Ion:114 Resp: 448132

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

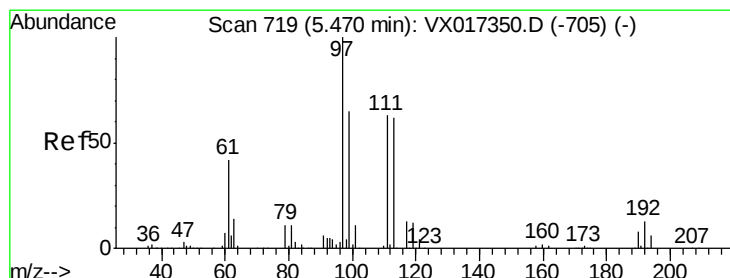
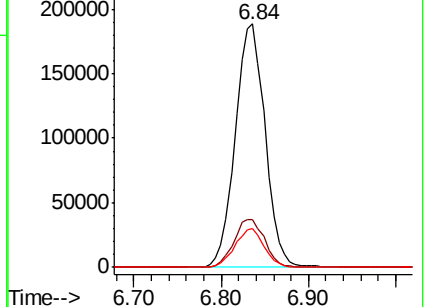
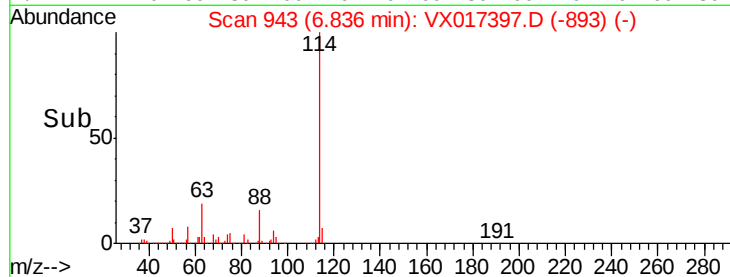
88 15.7 0.0 32.8



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: 51.126 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

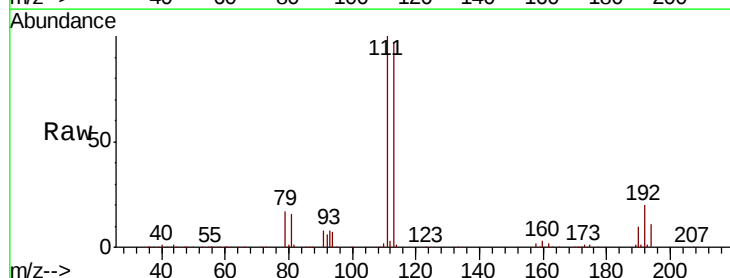
Tgt Ion:113 Resp: 154333

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

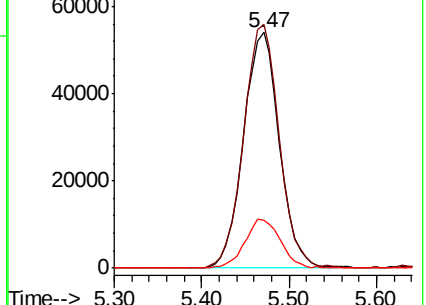
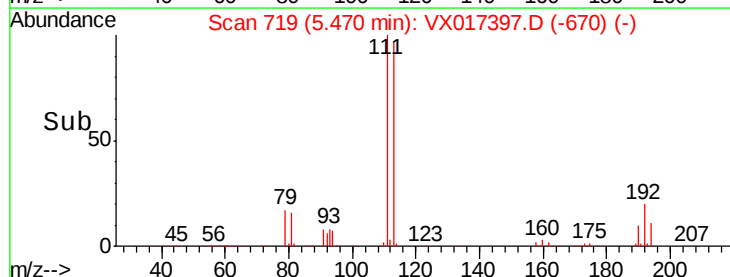
192 20.6 17.2 25.8

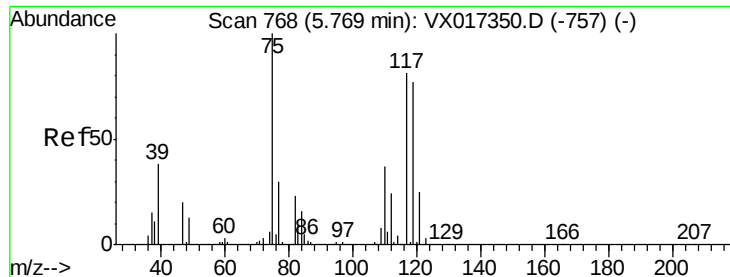


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.773 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

200715090-01-TRIP-BLANK

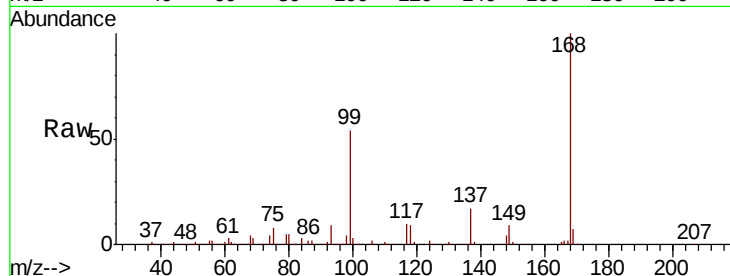
Tot Ion: 75 Resp: 19673

Ion Ratio Lower Upper

75 100

110 5.1 18.6 55.8#

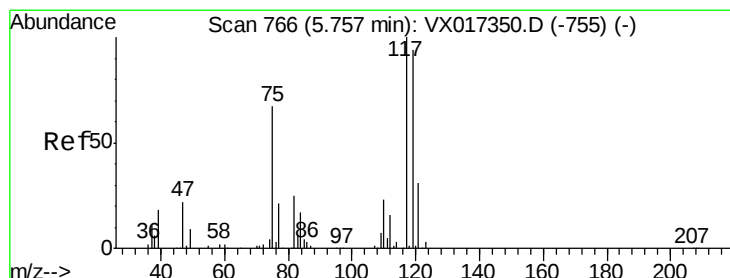
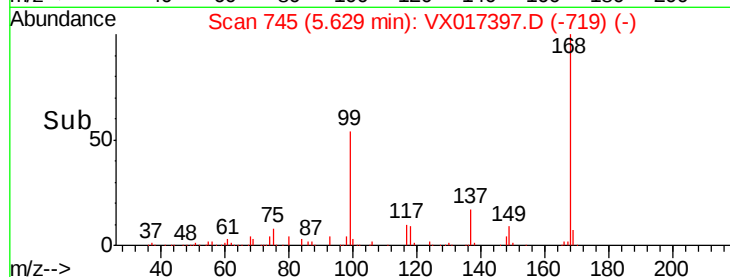
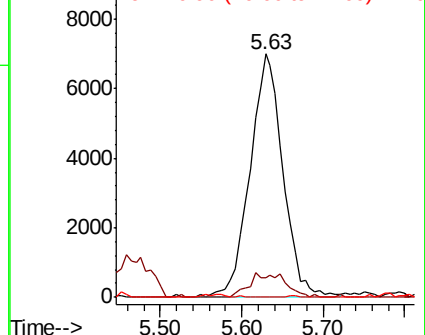
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.130 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

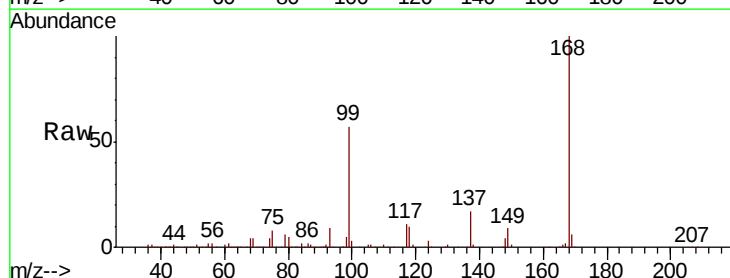
Tgt Ion: 117 Resp: 24758

Ion Ratio Lower Upper

117 100

119 6.3 74.7 112.1#

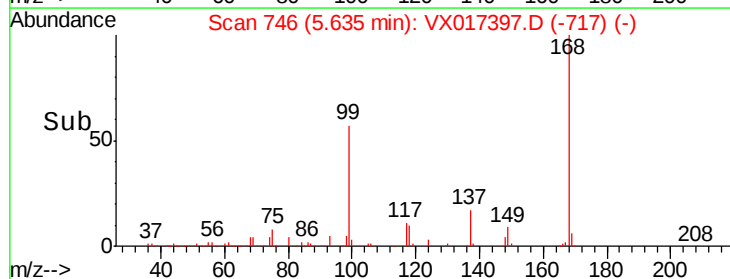
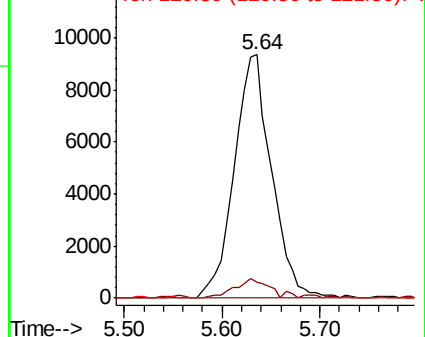
121 0.0 24.5 36.7#

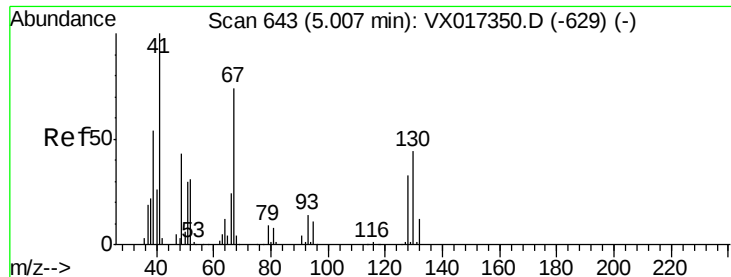


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.218 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

200715090-01-TRIP-BLANK

Tot Ion: 41 Resp: 498

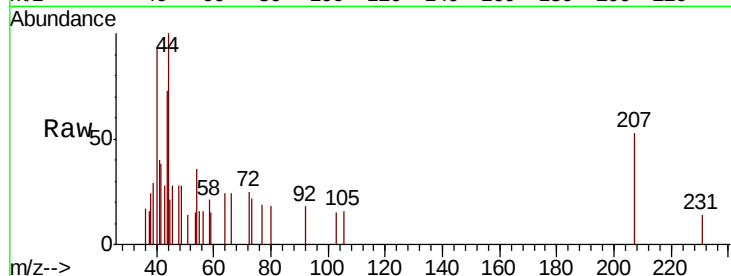
Ion Ratio Lower Upper

41 100

39 32.3 43.8 65.8#

67 4.6 58.7 88.1#

52 0.0 24.9 37.3#

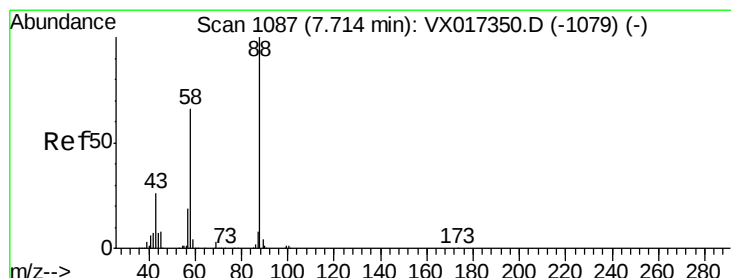
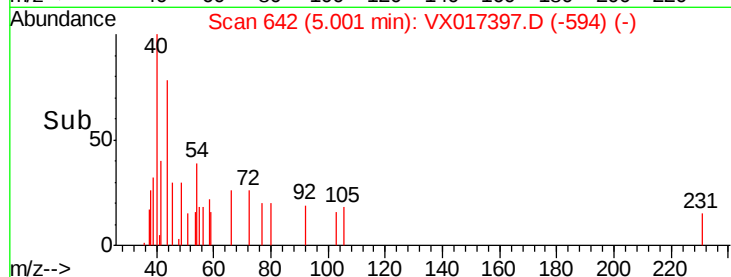
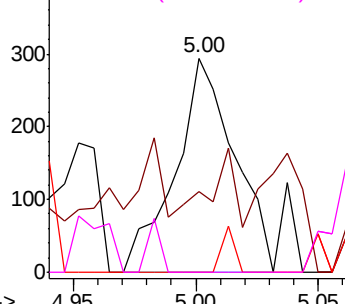


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#49

1,4-Dioxane

Concen: 0.284 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017397.D

Acq: 16 Jul 2020 17:36

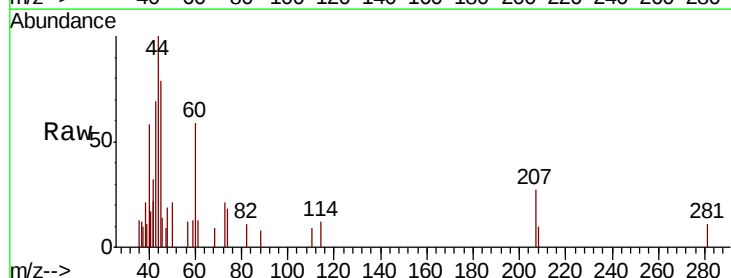
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1378.9 25.6 38.4#

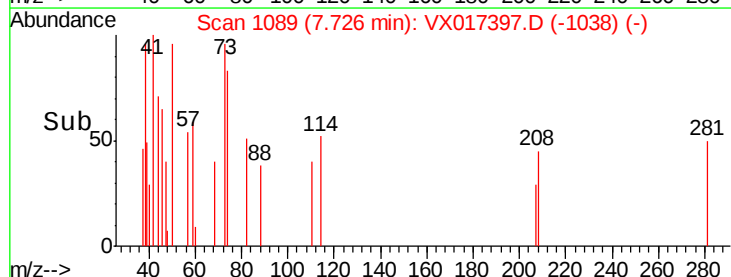
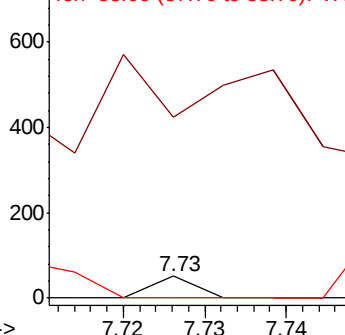
58 0.0 53.9 80.9#

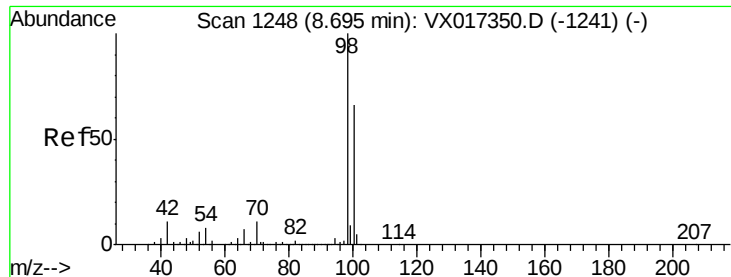


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

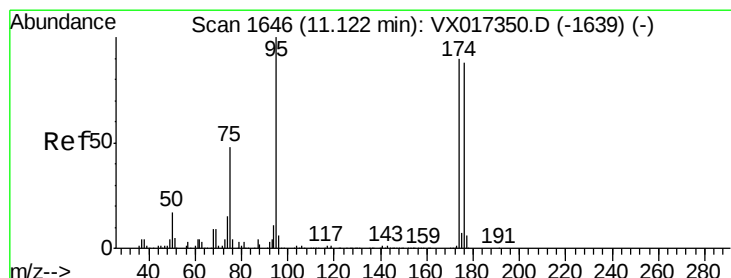
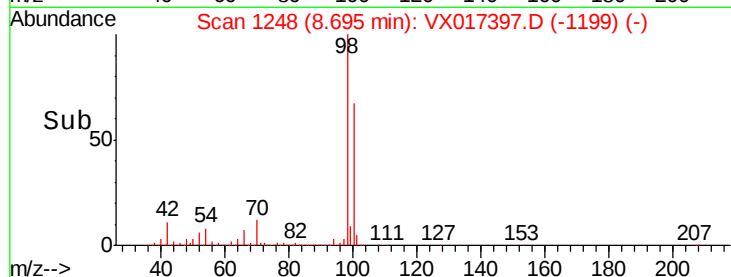
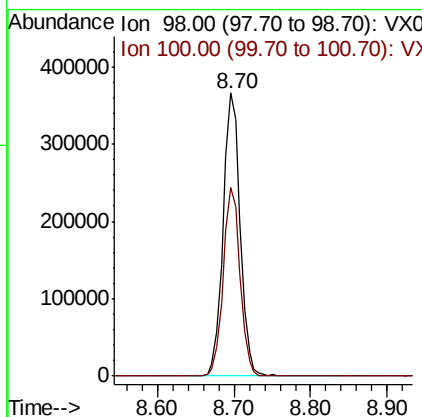
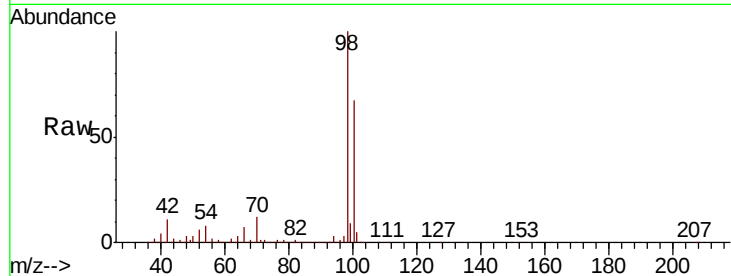




#50
Toluene-d8
Concen: 51.686 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

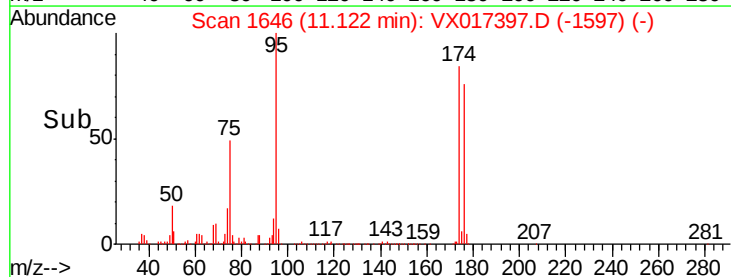
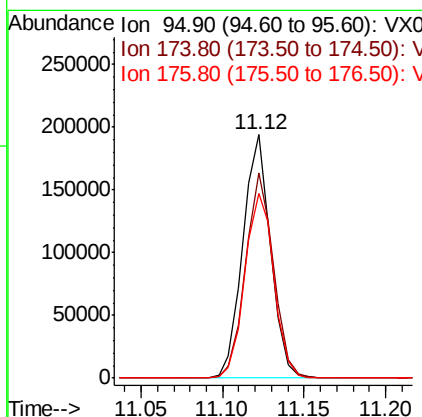
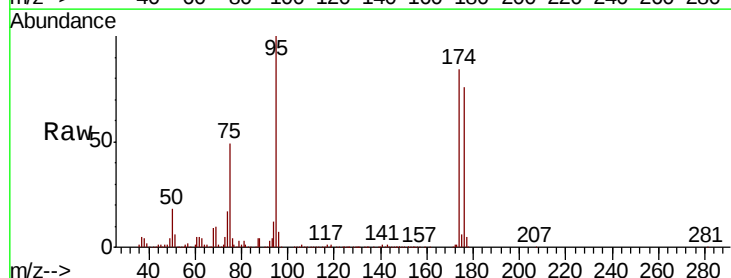
Instrument :
MSVOA_X
ClientSampleId :
200715090-01-TRIP-BLANK

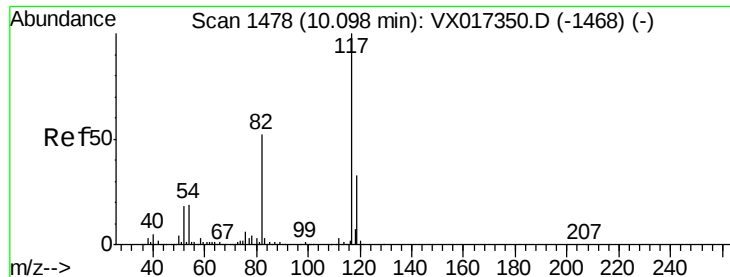
Tot Ion: 98 Resp: 562800
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 53.220 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Tgt Ion: 95 Resp: 230190
Ion Ratio Lower Upper
95 100
174 85.5 0.0 175.8
176 79.7 0.0 164.6

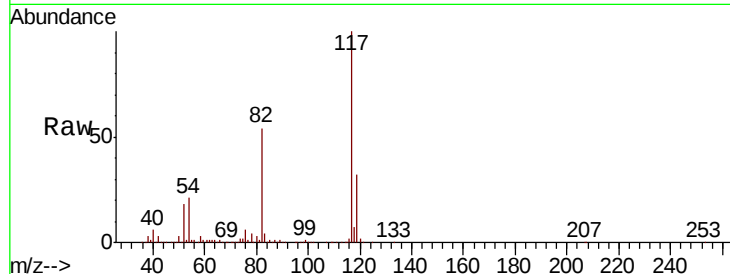




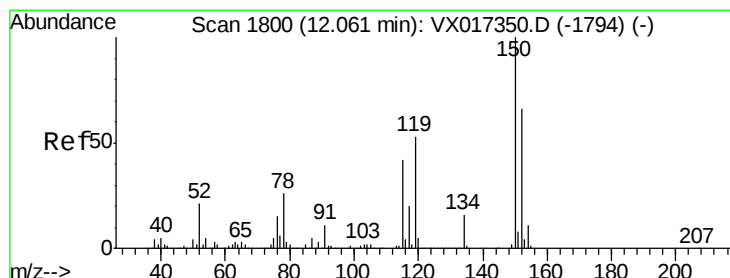
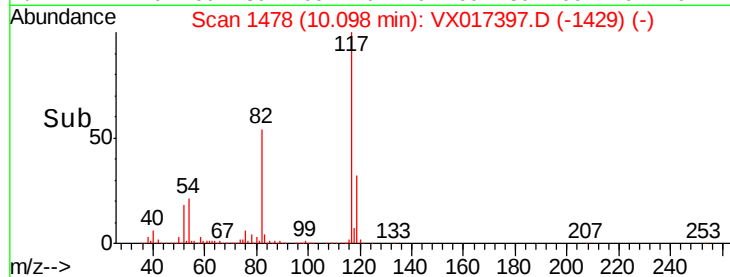
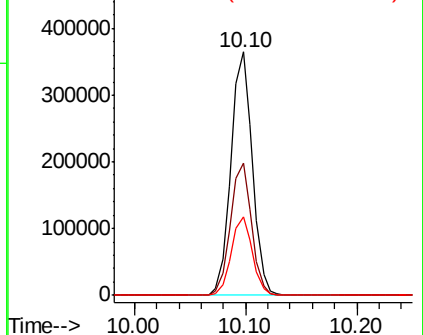
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Instrument :
MSVOA_X
ClientSampleId :
200715090-01-TRIP-BLANK

Tot Ion:117 Resp: 484148
Ion Ratio Lower Upper
117 100
82 54.5 42.0 63.0
119 32.5 26.3 39.5

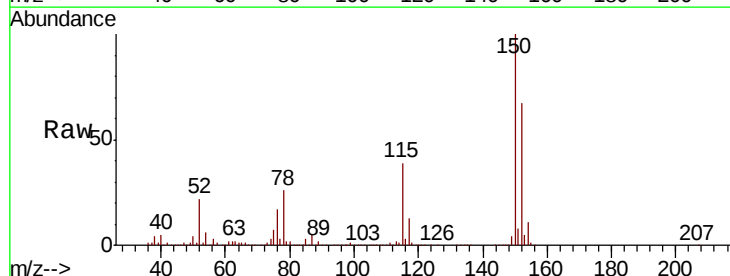


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

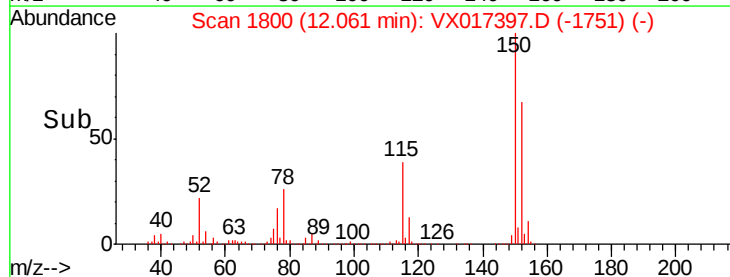
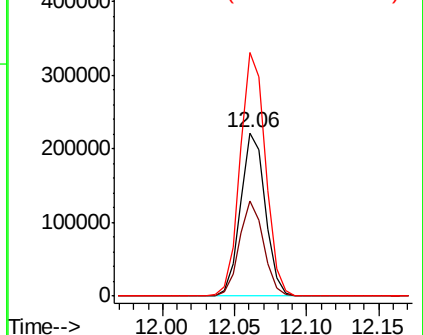


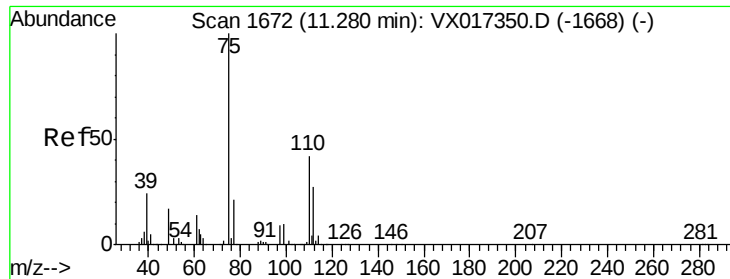
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017397.D
Acq: 16 Jul 2020 17:36

Tgt Ion:152 Resp: 264821
Ion Ratio Lower Upper
152 100
115 57.2 39.9 119.7
150 152.5 0.0 343.4



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

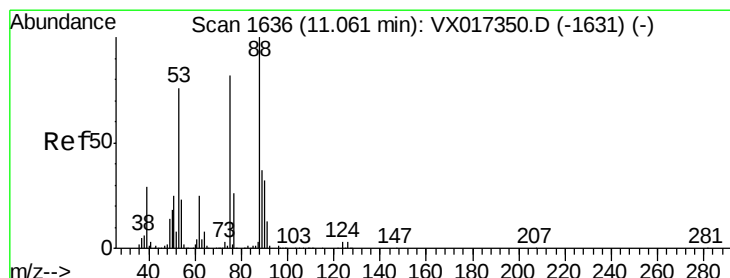
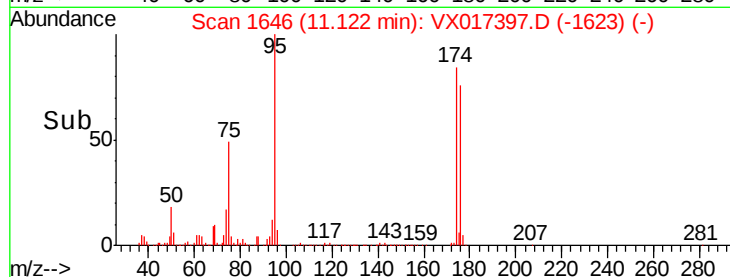
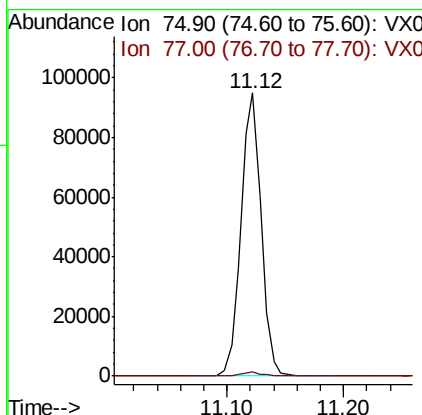
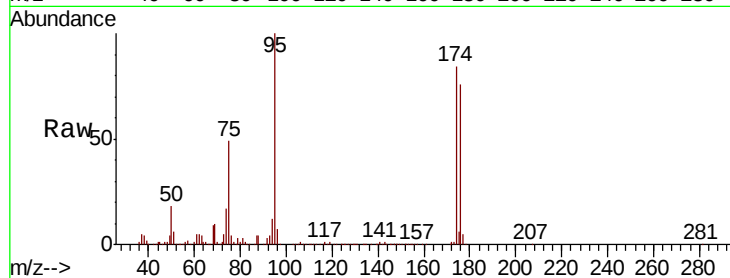




#76
 1,2,3-Trichloropropane
 Concen: 23.474 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017397.D
 Acq: 16 Jul 2020 17:36

Instrument :
 MSVOA_X
 ClientSampleId :
 200715090-01-TRIP-BLANK

Tot Ion: 75 Resp: 114868
 Ion Ratio Lower Upper
 75 100
 77 1.5 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.548 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017397.D
 Acq: 16 Jul 2020 17:36

Tgt Ion: 75 Resp: 114868
 Ion Ratio Lower Upper
 75 100
 53 0.5 76.5 114.7#
 89 0.0 38.1 57.1#

