

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\
 Data File : VX017366.D
 Acq On : 14 Jul 2020 10:07
 Operator : JC/SP
 Sample : VX0714WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714WBL01

Quant Time: Jul 15 01:21:57 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	279155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	451884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	461211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	244567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	173140	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	5.46	113	149442	49.09	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	8.70	98	543891	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.12	95	225747	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

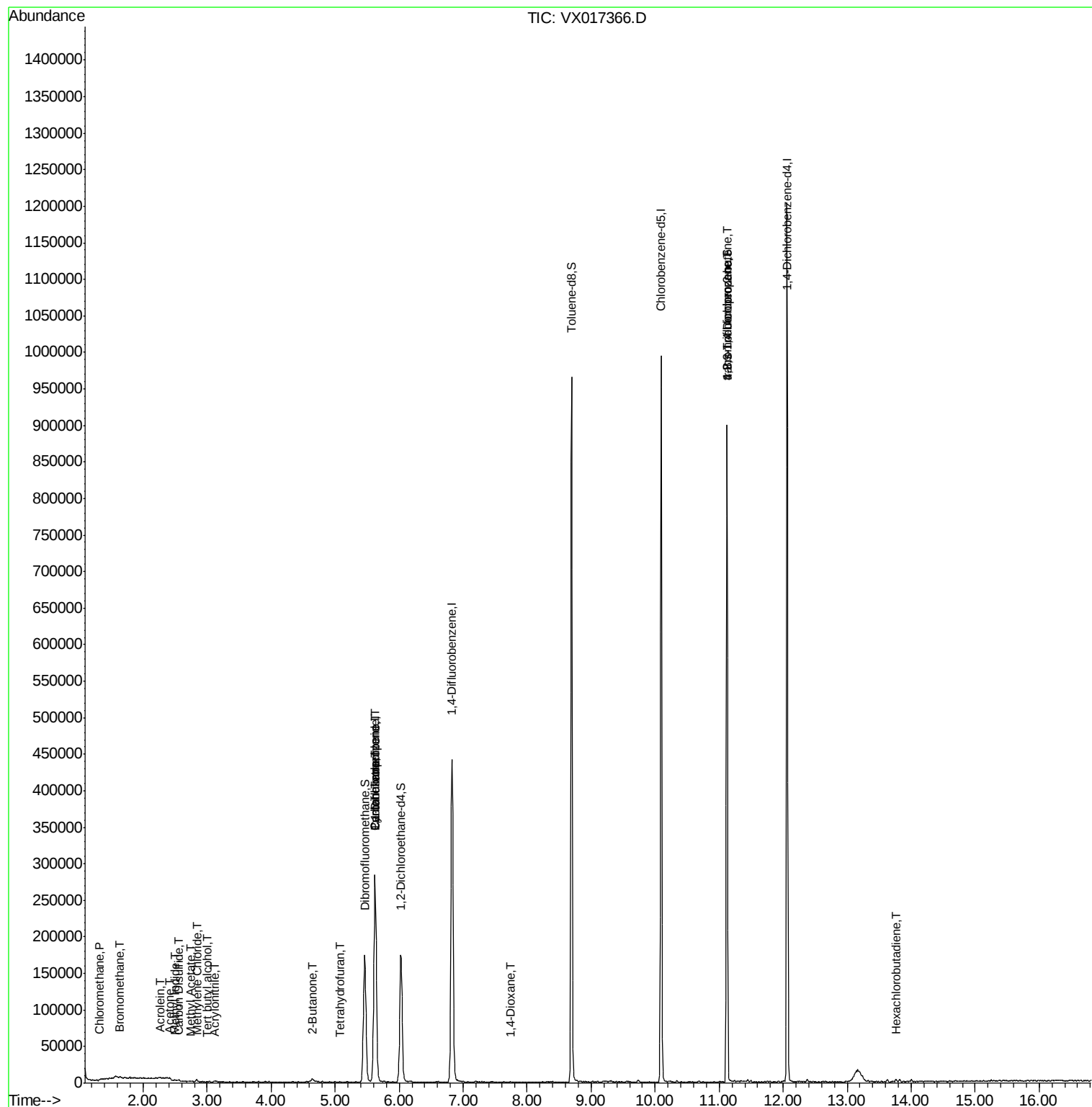
						Qvalue
3) Chloromethane	1.31	50	815	0.306	ug/l #	88
5) Bromomethane	1.64	94	906	0.529	ug/l	99
10) Methyl Iodide	2.50	142	1583	2.824	ug/l #	83
11) Tert butyl alcohol	3.01	59	120	0.203	ug/l #	72
13) Acrolein	2.26	56	379	1.171	ug/l #	9
15) Acrylonitrile	3.12	53	750	0.524	ug/l #	69
16) Acetone	2.41	43	634	0.507	ug/l	90
17) Carbon Disulfide	2.55	76	1770	0.239	ug/l #	93
18) Methyl Acetate	2.74	43	794	0.257	ug/l #	72
20) Methylene Chloride	2.83	84	1196	0.392	ug/l #	86
25) 2-Butanone	4.65	43	674	0.339	ug/l #	50
29) Tetrahydrofuran	5.09	42	275	0.214	ug/l #	67
31) Cyclohexane	5.62	56	5513	1.367	ug/l #	46
36) 1,1-Dichloropropene	5.62	75	20115	4.839	ug/l #	49
38) Carbon Tetrachloride	5.63	117	26723	5.491	ug/l #	18
49) 1,4-Dioxane	7.74	88	58	0.860	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	112458	24.885	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	112458	63.126	ug/l #	11
94) Hexachlorobutadiene	13.76	225	531	0.256	ug/l	87

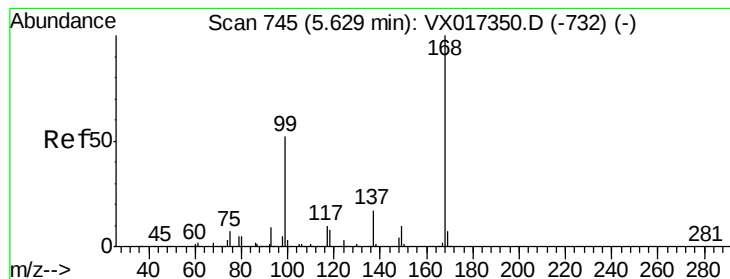
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0714WBL01

Quant Time: Jul 15 01:21:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
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: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

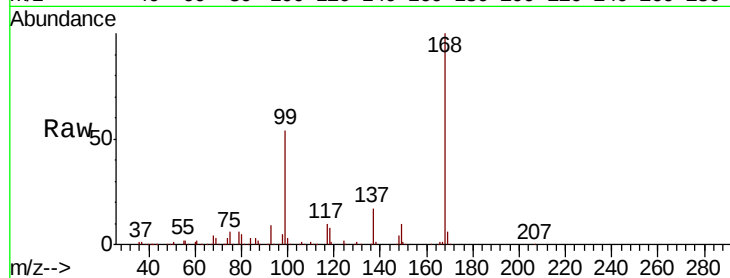
VX0714WBL01

Tot Ion:168 Resp: 279155

Ion Ratio Lower Upper

168 100

99 53.5 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

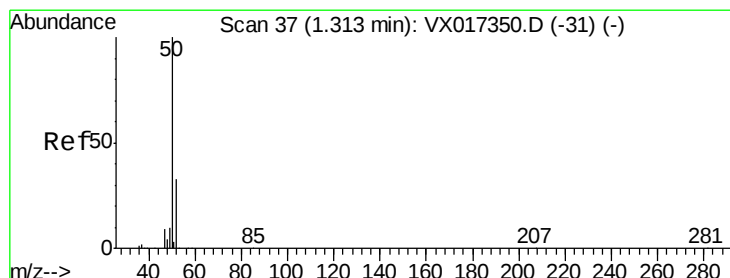
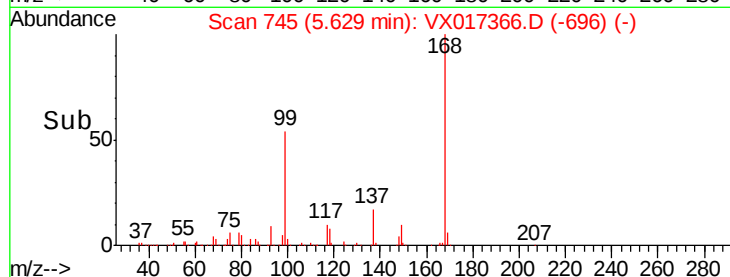
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.306 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017366.D

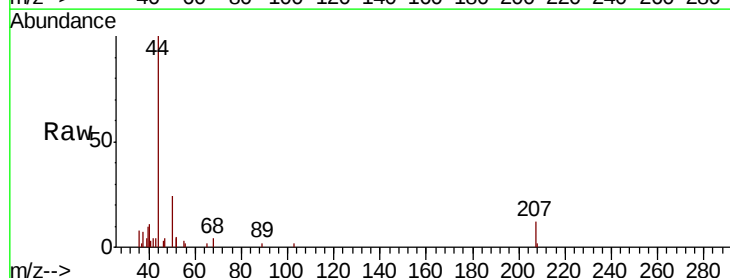
Acq: 14 Jul 2020 10:07

Tgt Ion: 50 Resp: 815

Ion Ratio Lower Upper

50 100

52 26.5 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

600

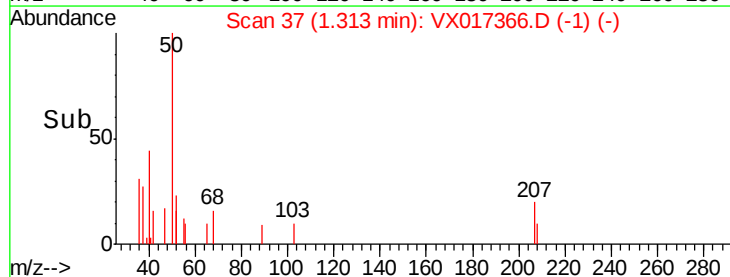
400

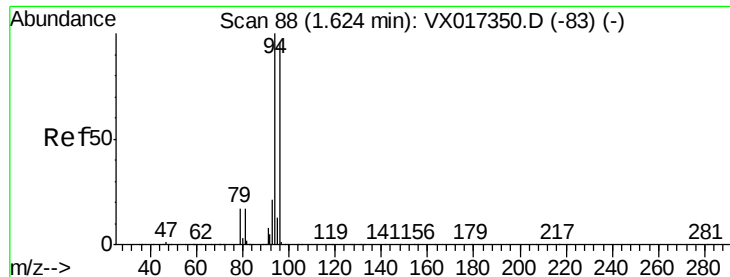
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.529 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

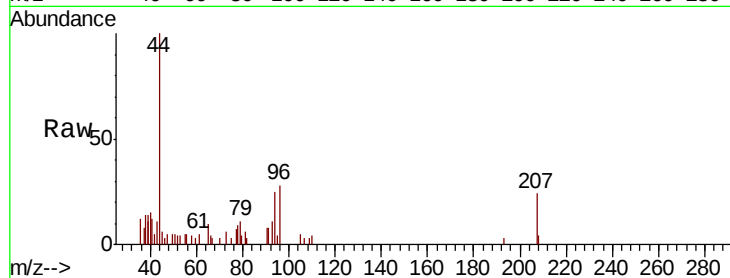
VX0714WBL01

Tot Ion: 94 Resp: 906

Ion Ratio Lower Upper

94 100

96 95.2 76.6 115.0

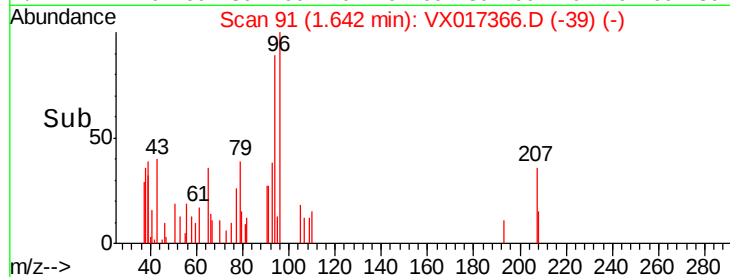


Abundance Ion 93.90 (93.60 to 94.60): VX0

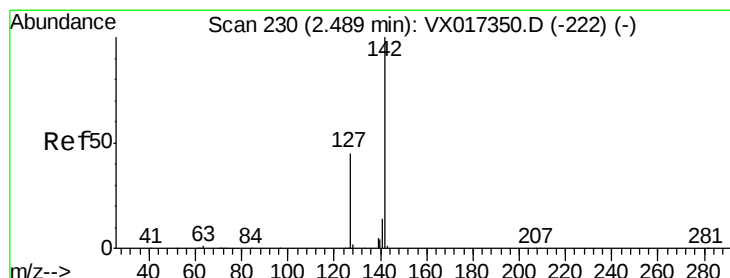
Ion 95.90 (95.60 to 96.60): VX0

Time-->

1.64



Time-->



#10

Methyl Iodide

Concen: 2.824 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

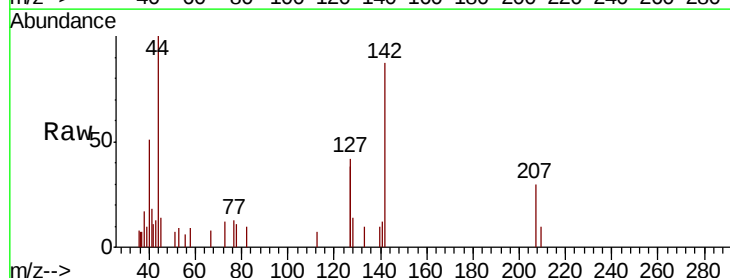
Tgt Ion: 142 Resp: 1583

Ion Ratio Lower Upper

142 100

127 57.5 36.8 55.2#

141 8.5 11.4 17.0#



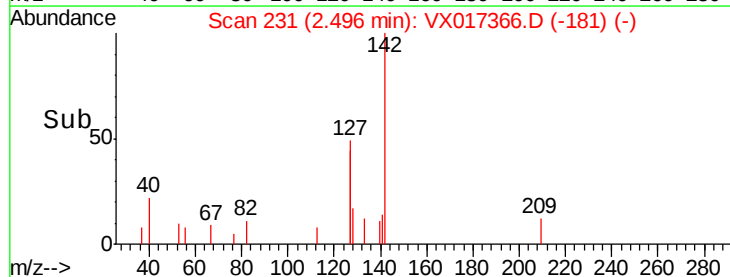
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

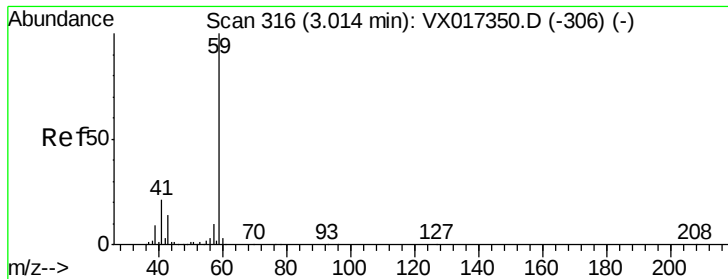
Ion 140.80 (140.50 to 141.50): V

Time-->

2.50



Time-->

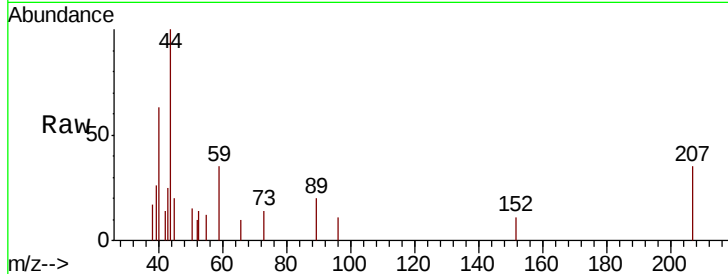


#11

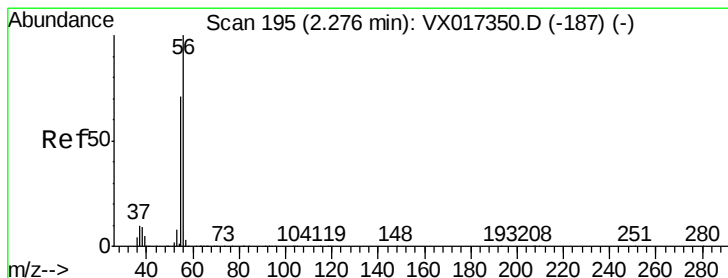
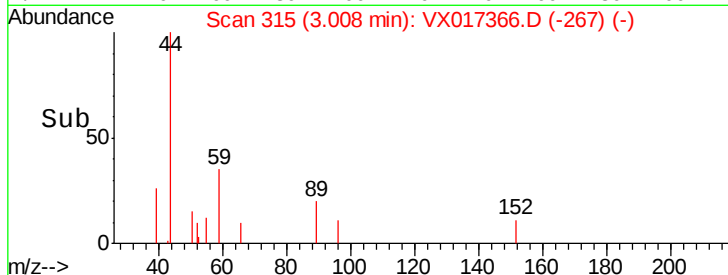
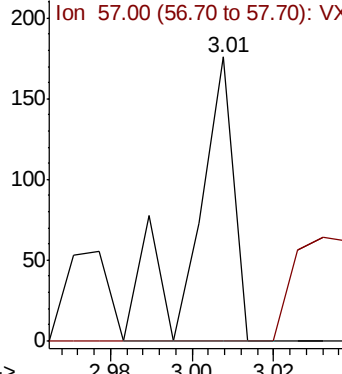
Tert butyl alcohol
Concen: 0.203 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017366.D
Acq: 14 Jul 2020 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0714WBL01

Tot Ion: 59 Resp: 120
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



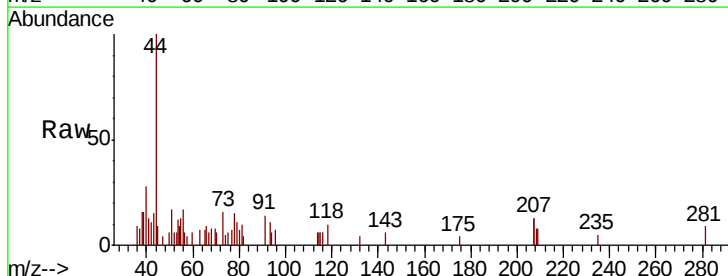
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



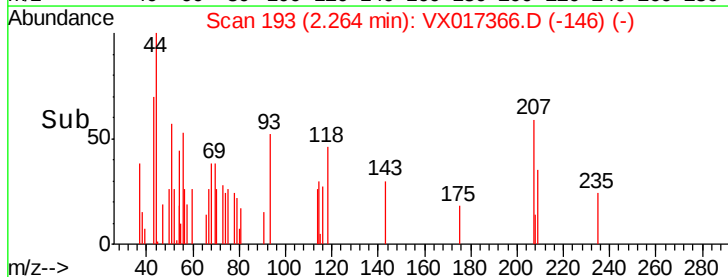
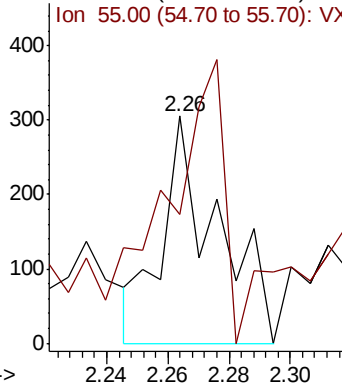
#13

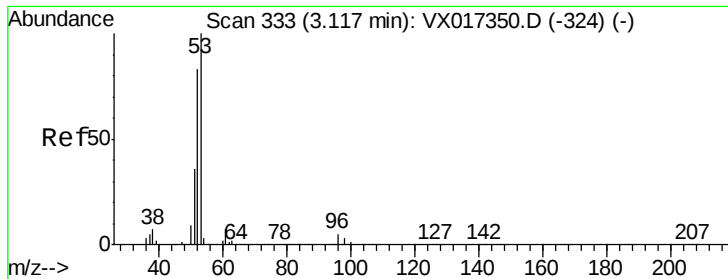
Acrolein
Concen: 1.171 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017366.D
Acq: 14 Jul 2020 10:07

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 147.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.524 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

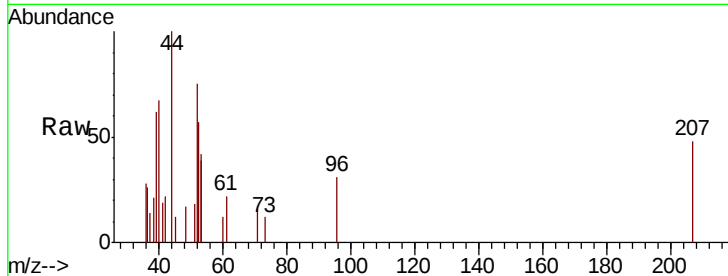
Tot Ion: 53 Resp: 750

Ion Ratio Lower Upper

53 100

52 119.2 65.8 98.6#

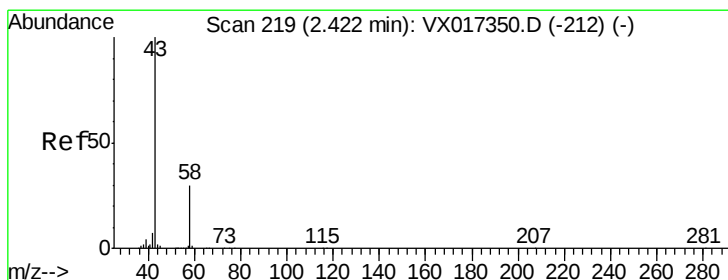
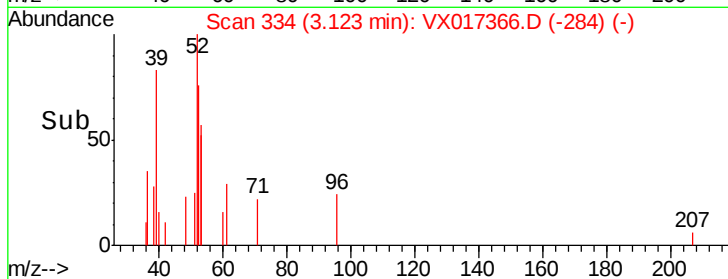
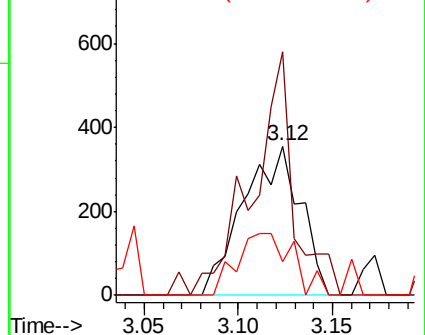
51 40.9 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.507 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017366.D

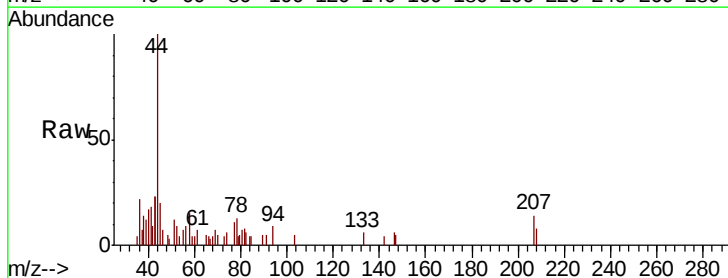
Acq: 14 Jul 2020 10:07

Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

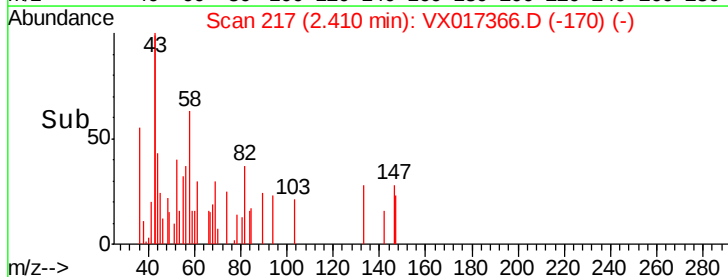
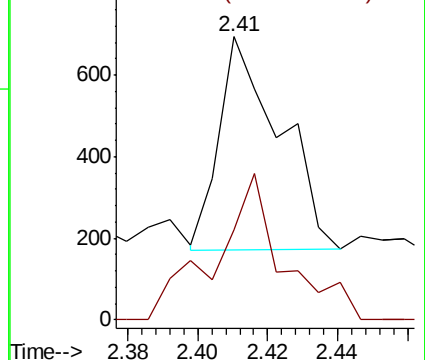
43 100

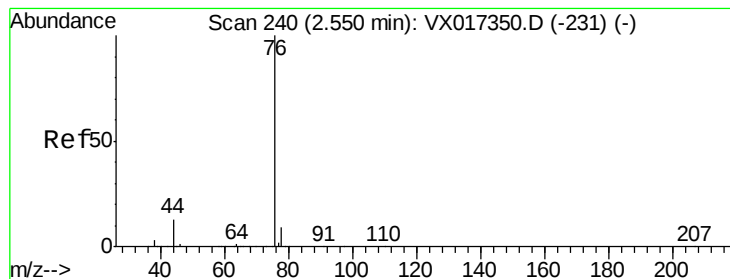
58 24.8 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.239 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

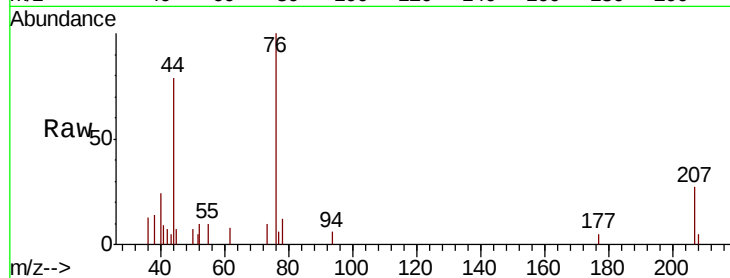
VX0714WBL01

Tot Ion: 76 Resp: 1770

Ion Ratio Lower Upper

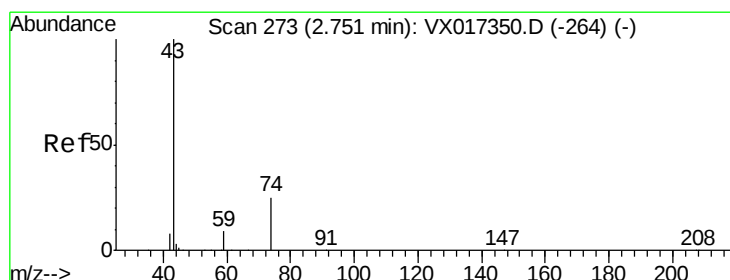
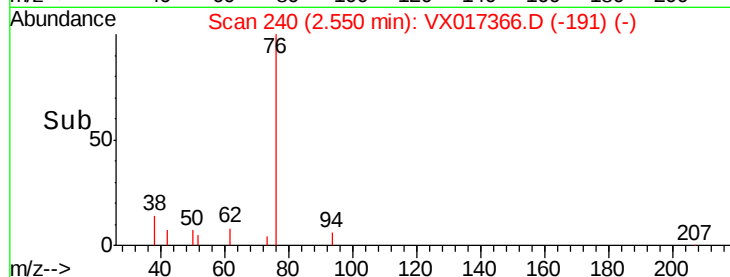
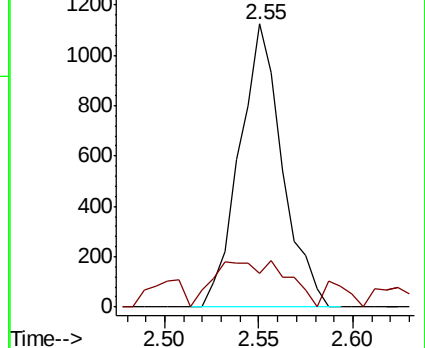
76 100

78 11.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.257 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX017366.D

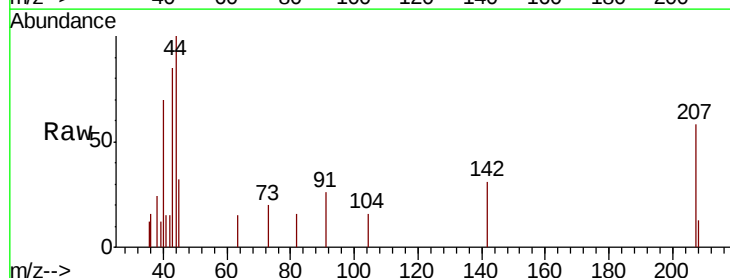
Acq: 14 Jul 2020 10:07

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

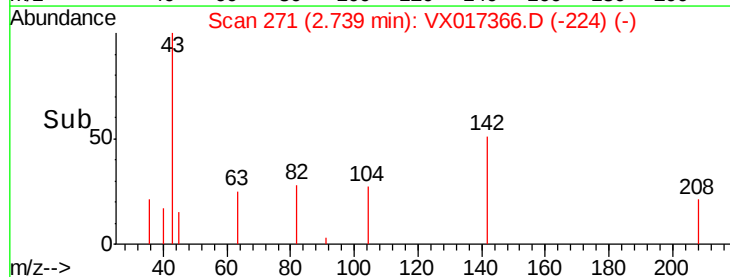
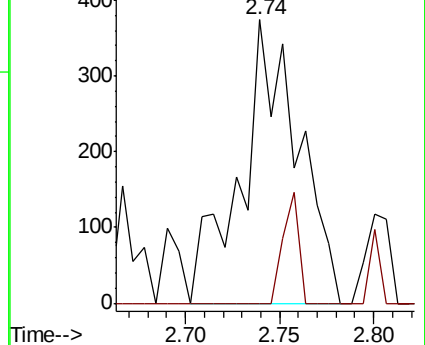
43 100

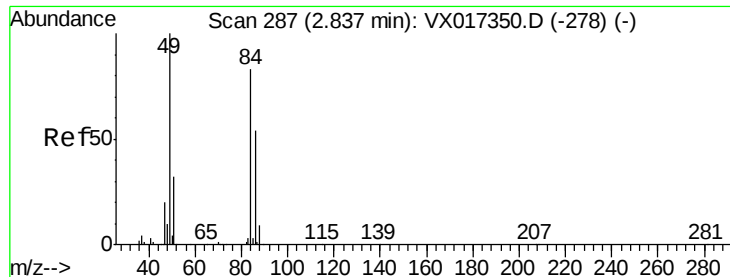
74 10.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.392 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

Tot Ion: 84 Resp: 1196

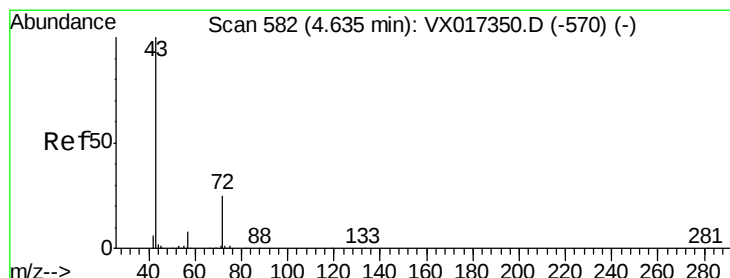
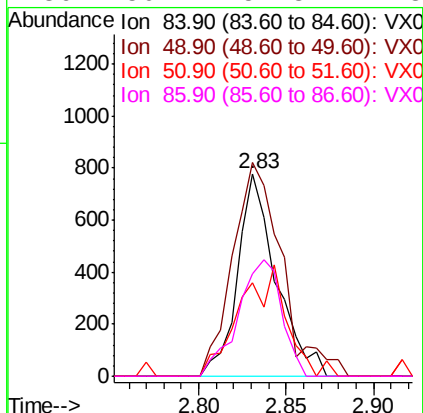
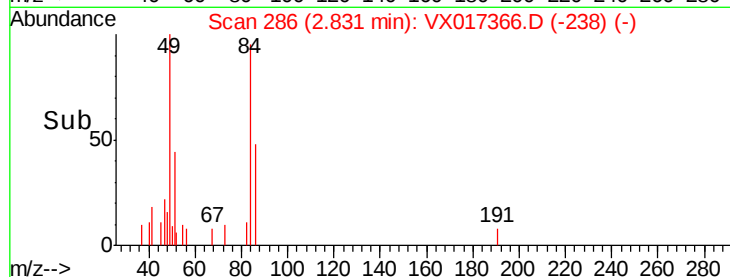
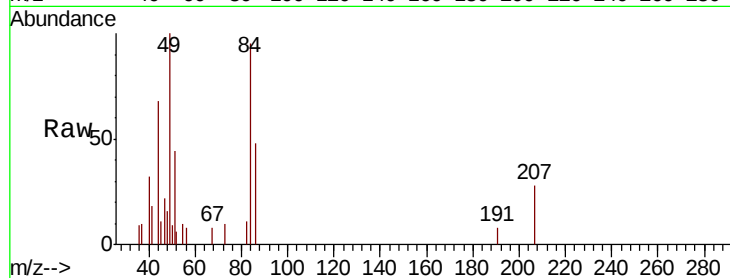
Ion	Ratio	Lower	Upper
84	100		
49	105.5	95.8	143.8
51	46.1	31.0	46.4
86	50.4	51.8	77.8#

84 100

49 105.5 95.8 143.8

51 46.1 31.0 46.4

86 50.4 51.8 77.8#



#25

2-Butanone

Concen: 0.339 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017366.D

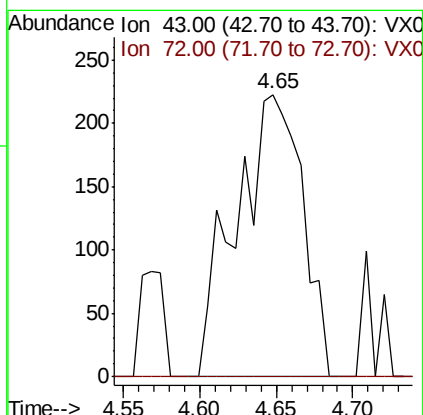
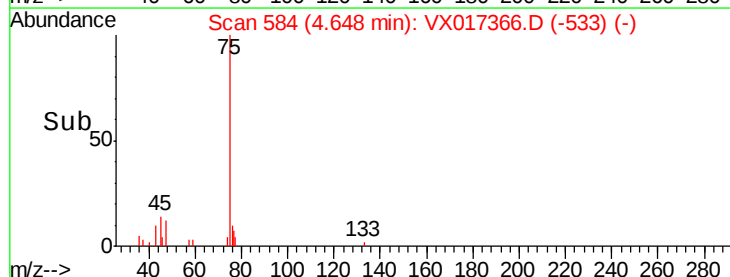
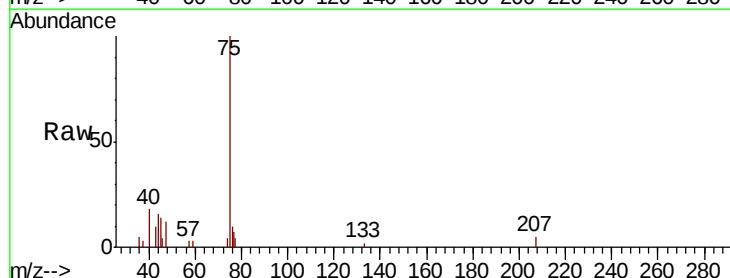
Acq: 14 Jul 2020 10:07

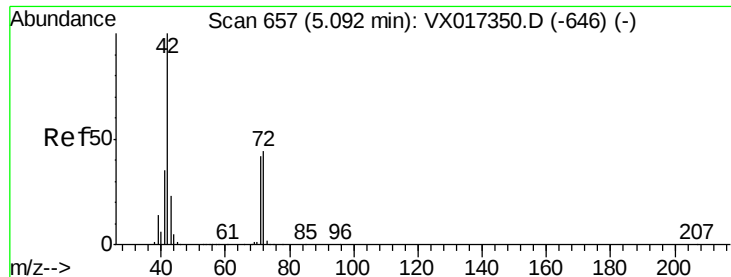
Tgt Ion: 43 Resp: 674

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.4	30.6#

43 100

72 0.0 20.4 30.6#

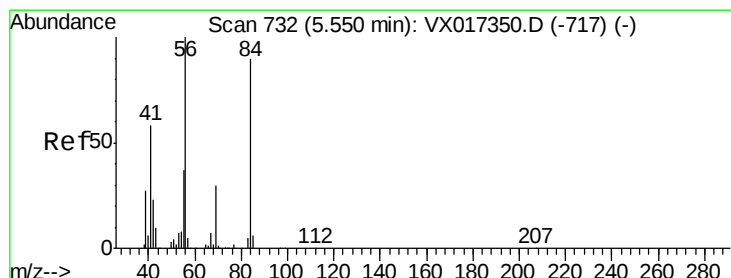
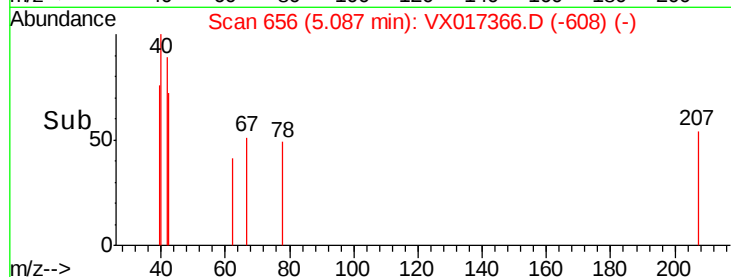
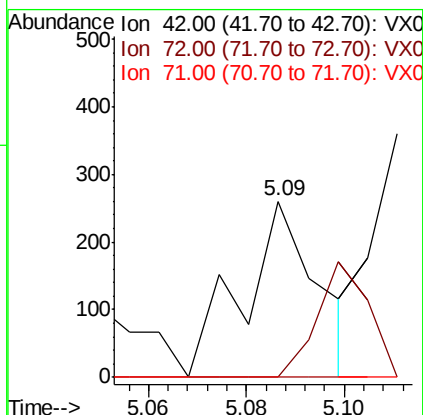
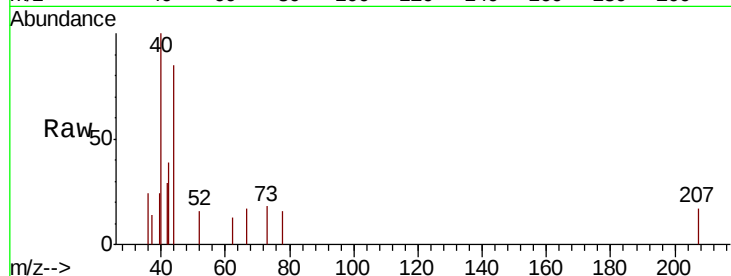




#29
Tetrahydrofuran
Concen: 0.214 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017366.D
Acq: 14 Jul 2020 10:07

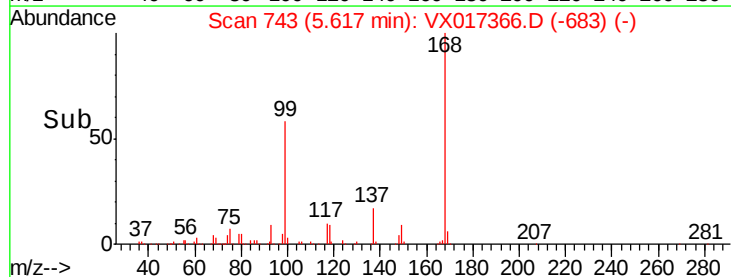
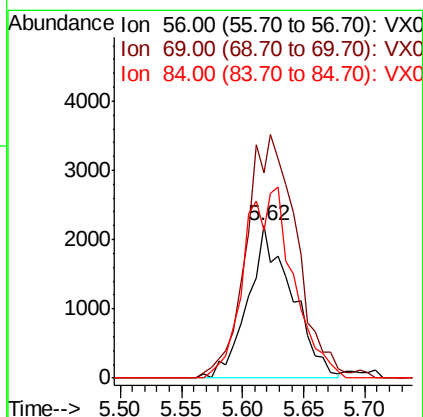
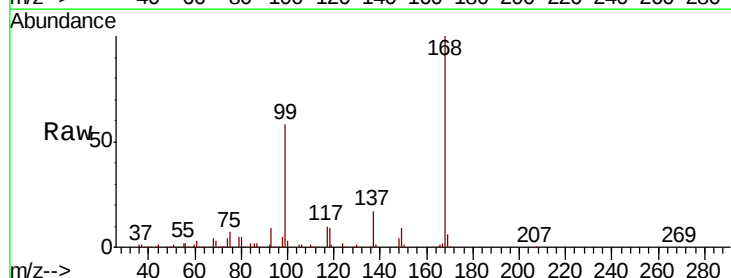
Instrument :
MSVOA_X
ClientSampleId :
VX0714WBL01

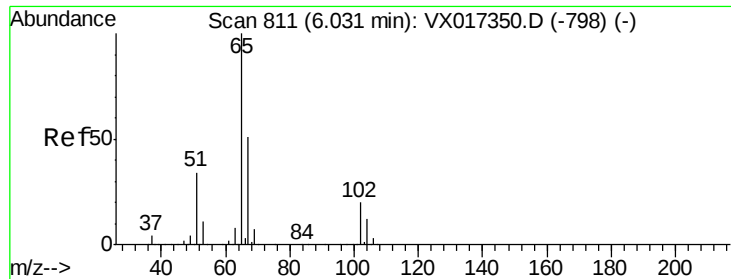
Tot Ion: 42 Resp: 275
Ion Ratio Lower Upper
42 100
72 45.1 37.2 55.8
71 0.0 34.4 51.6#



#31
Cyclohexane
Concen: 1.367 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX017366.D
Acq: 14 Jul 2020 10:07

Tgt Ion: 56 Resp: 5513
Ion Ratio Lower Upper
56 100
69 134.8 23.7 35.5#
84 96.4 71.8 107.6

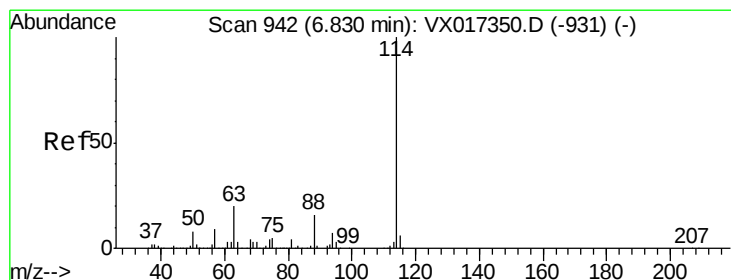
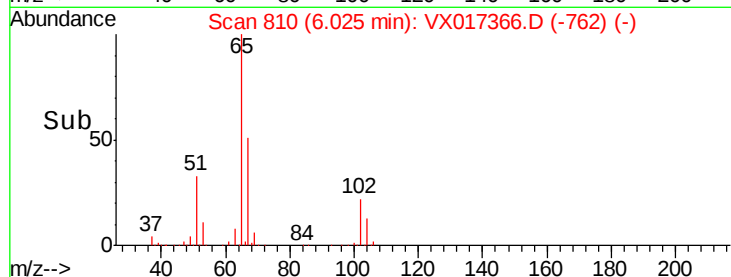
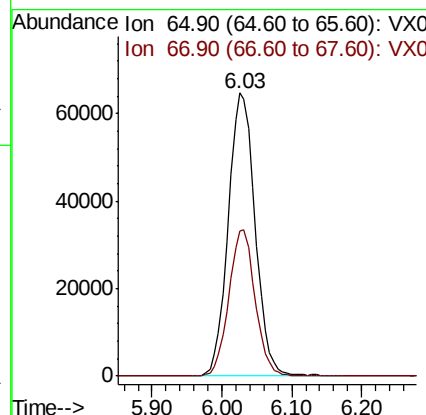
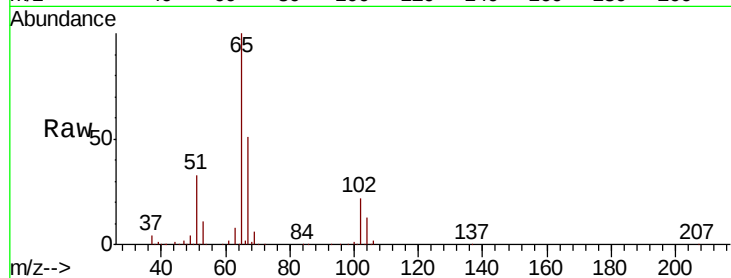




#33
 1,2-Dichloroethane-d4
 Concen: 49.417 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX017366.D
 Acq: 14 Jul 2020 10:07

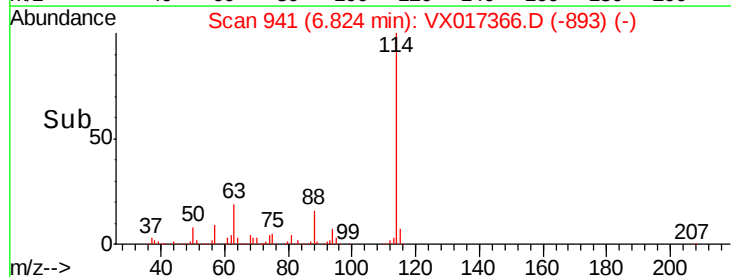
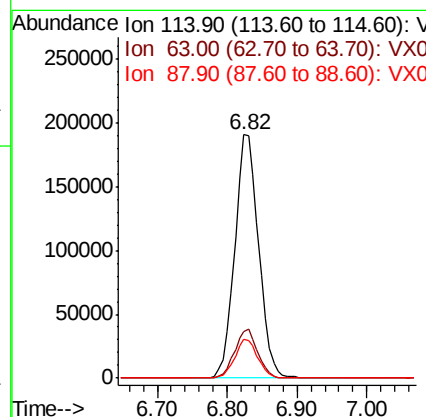
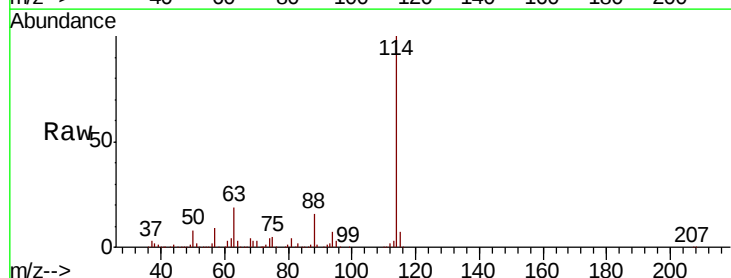
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0714WBL01

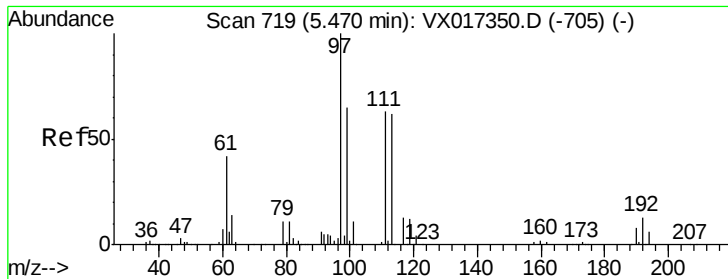
Tot Ion: 65 Resp: 173140
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX017366.D
 Acq: 14 Jul 2020 10:07

Tgt Ion: 114 Resp: 451884
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.094 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

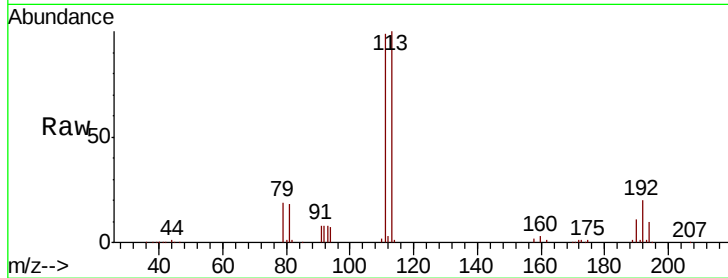
Tot Ion:113 Resp: 149442

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

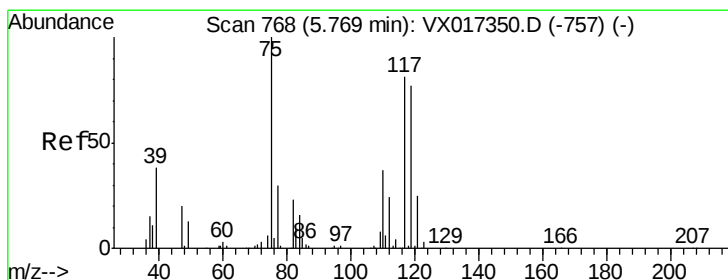
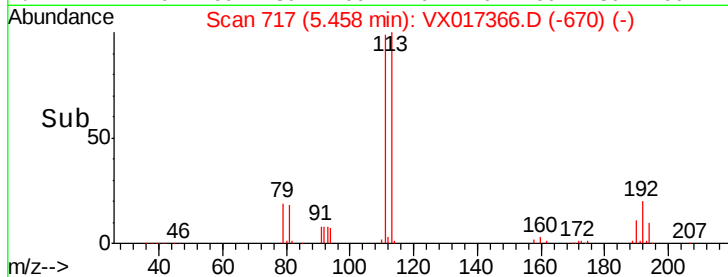
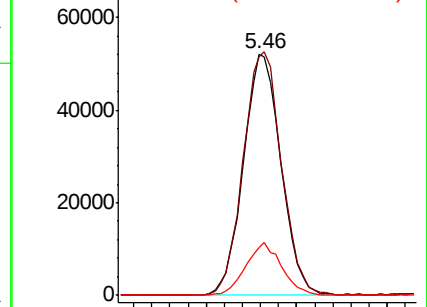
192 20.8 17.2 25.8



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: 4.839 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

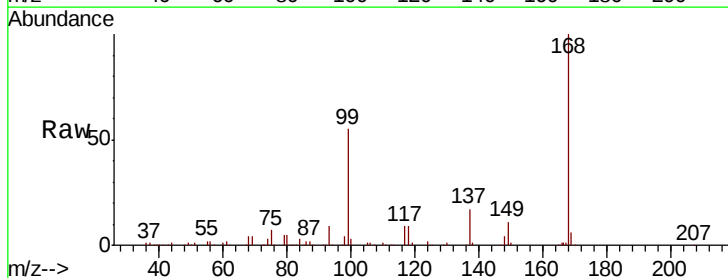
Tgt Ion: 75 Resp: 20115

Ion Ratio Lower Upper

75 100

110 10.0 18.6 55.8#

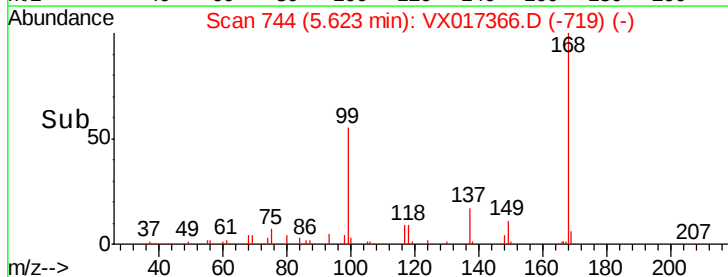
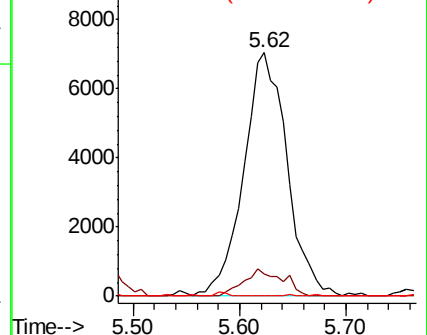
77 0.0 24.9 37.3#

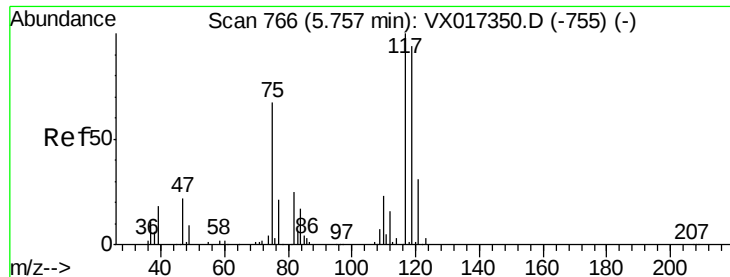


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

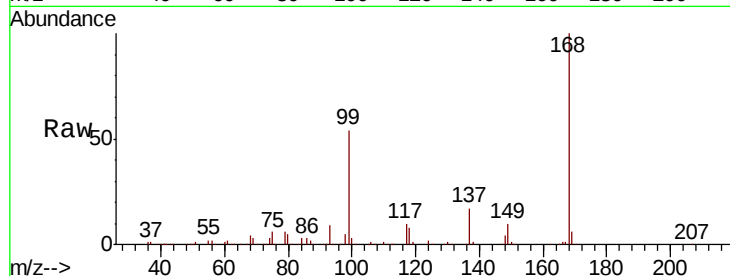
Tot Ion:117 Resp: 26723

Ion Ratio Lower Upper

117 100

119 5.7 74.7 112.1#

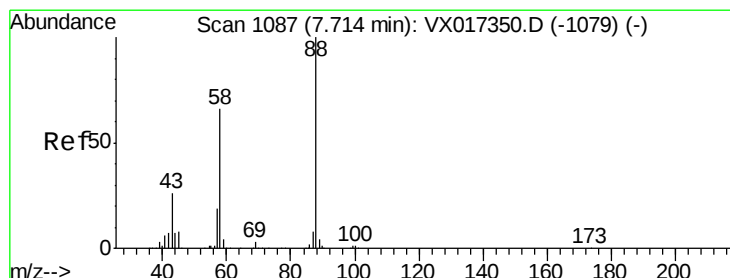
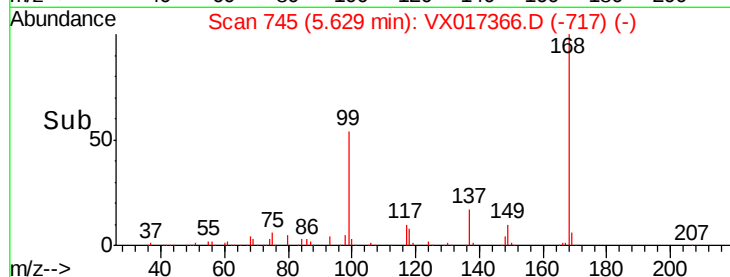
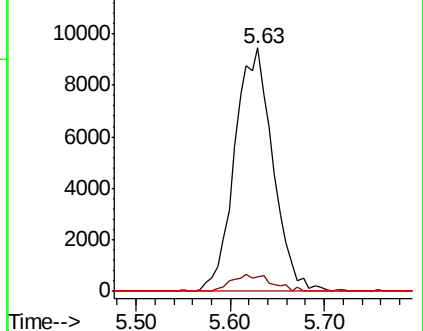
121 0.0 24.5 36.7#



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



#49

1,4-Dioxane

Concen: 0.860 ug/l

RT: 7.74 min Scan# 1091

Delta R.T. 0.02 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

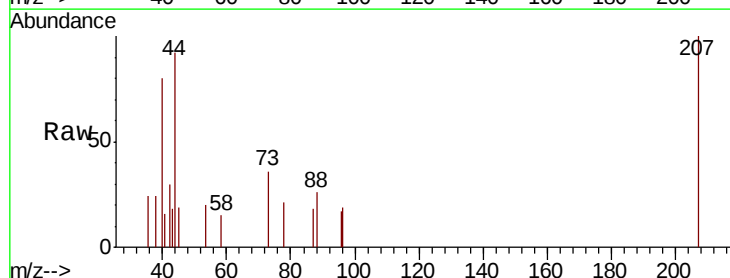
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

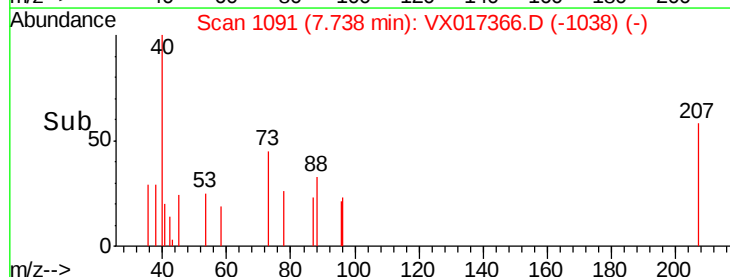
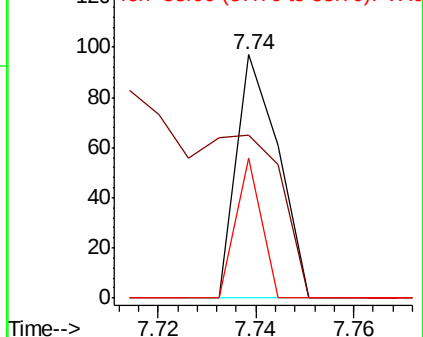
58 34.5 53.9 80.9#

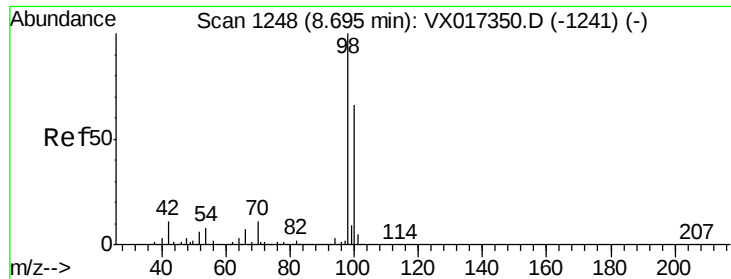


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.535 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

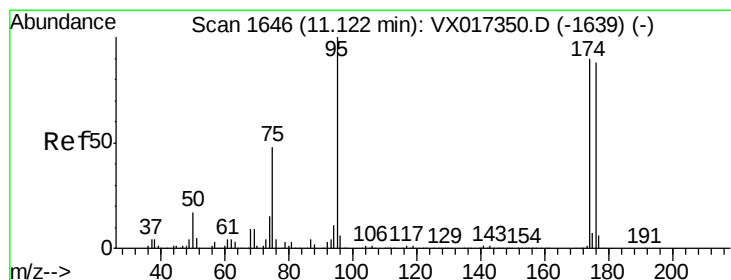
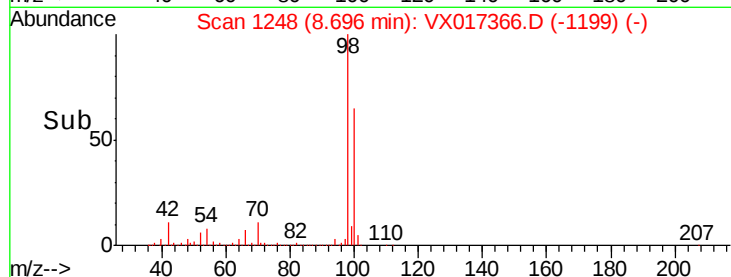
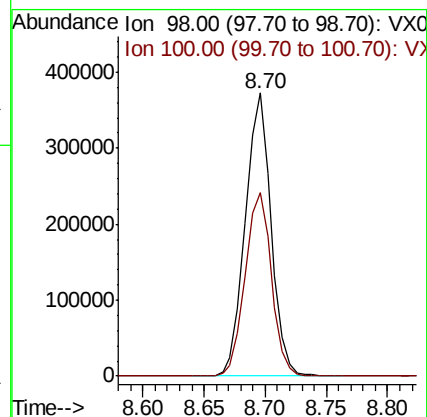
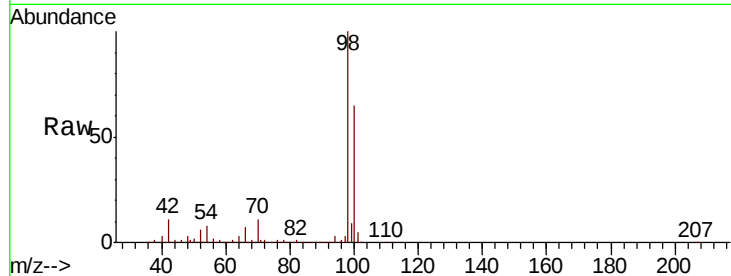
VX0714WBL01

Tot Ion: 98 Resp: 543891

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.2



#62

4-Bromofluorobenzene

Concen: 51.759 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

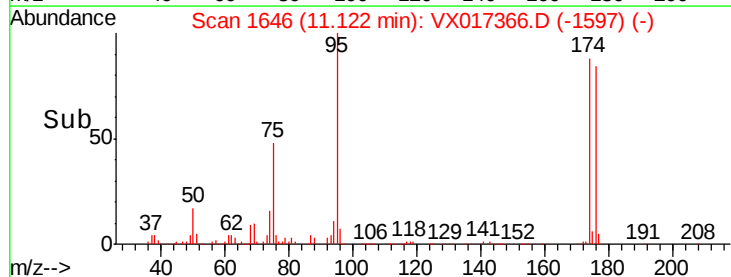
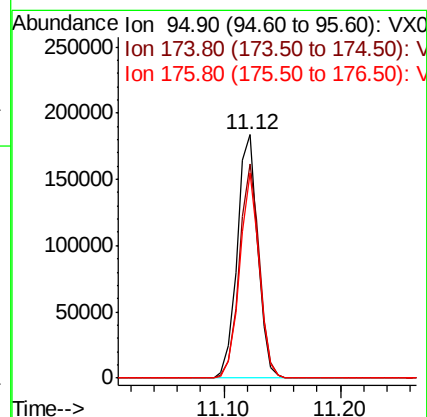
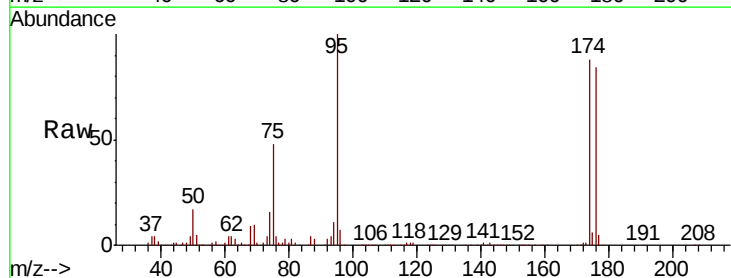
Tgt Ion: 95 Resp: 225747

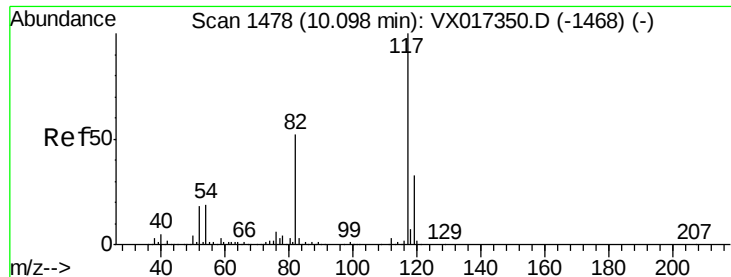
Ion Ratio Lower Upper

95 100

174 86.3 0.0 175.8

176 81.0 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: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

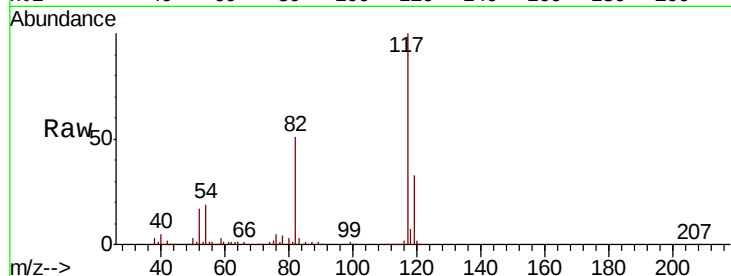
Tot Ion:117 Resp: 461211

Ion Ratio Lower Upper

117 100

82 51.2 42.0 63.0

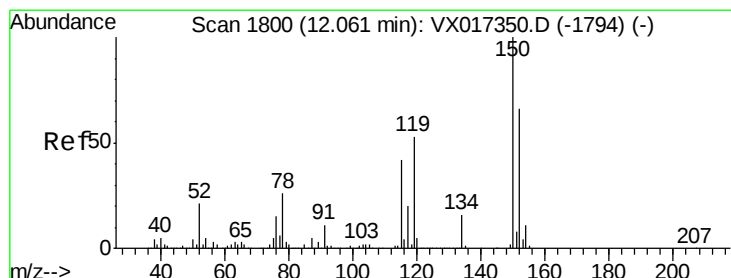
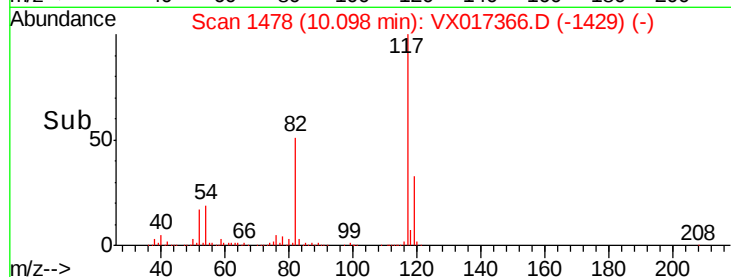
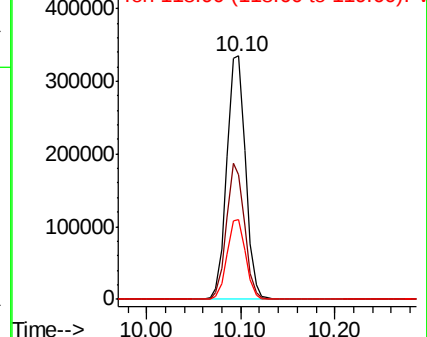
119 32.8 26.3 39.5



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: VX017366.D

Acq: 14 Jul 2020 10:07

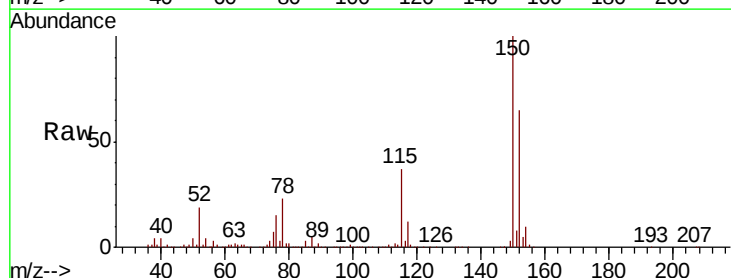
Tgt Ion:152 Resp: 244567

Ion Ratio Lower Upper

152 100

115 57.0 39.9 119.7

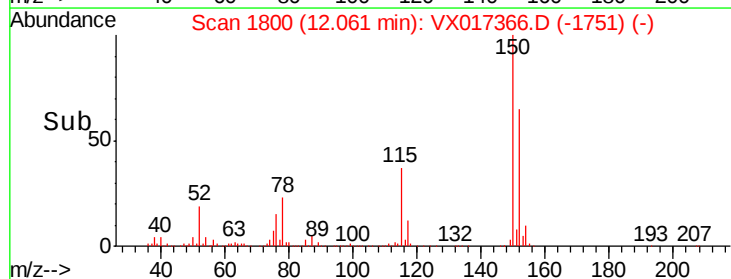
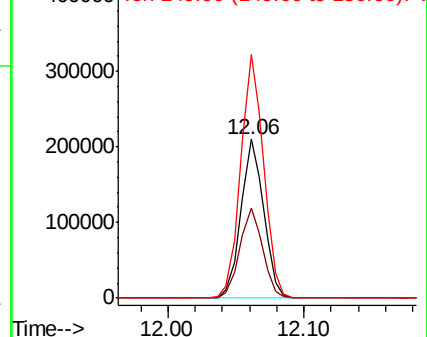
150 154.0 0.0 343.4

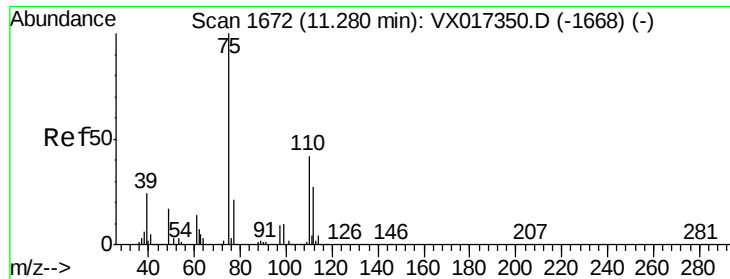


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.885 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

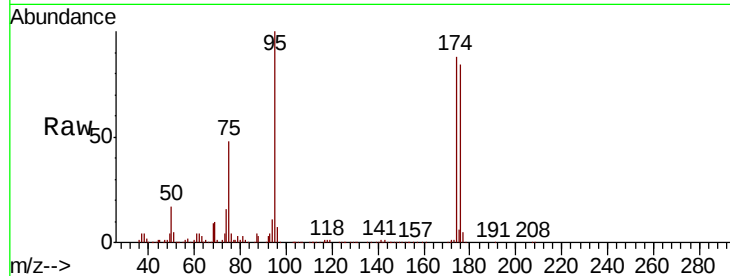
VX0714WBL01

Tot Ion: 75 Resp: 112458

Ion Ratio Lower Upper

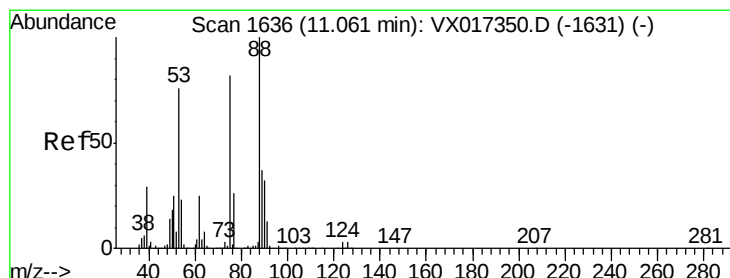
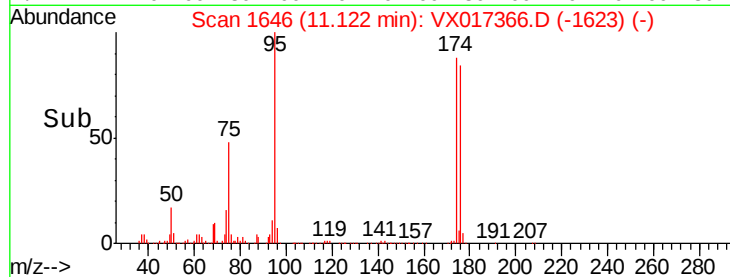
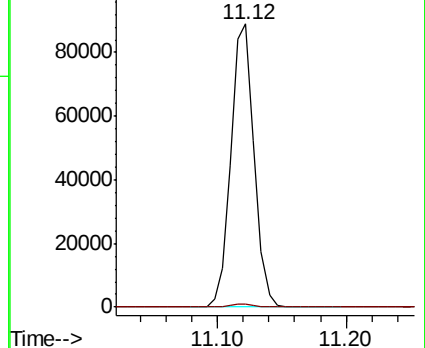
75 100

77 1.2 20.3 60.9#



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: 63.126 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

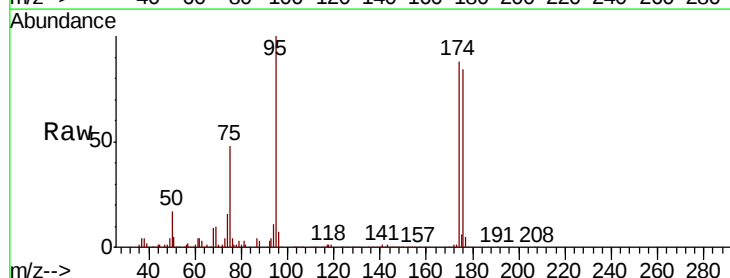
Tgt Ion: 75 Resp: 112458

Ion Ratio Lower Upper

75 100

53 0.3 76.5 114.7#

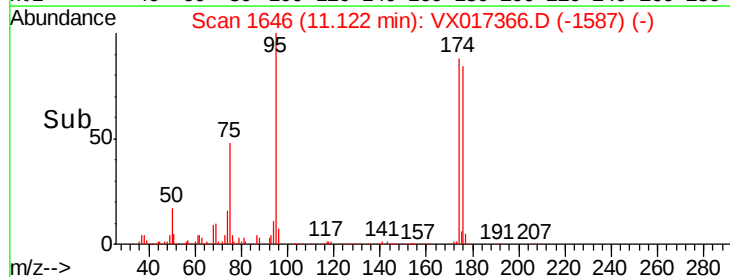
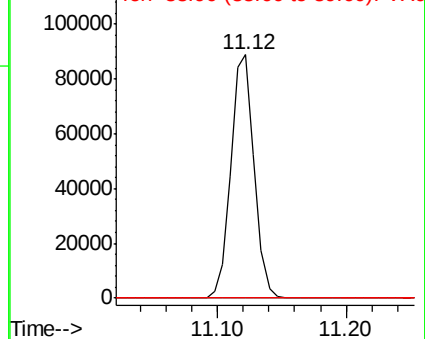
89 0.1 38.1 57.1#

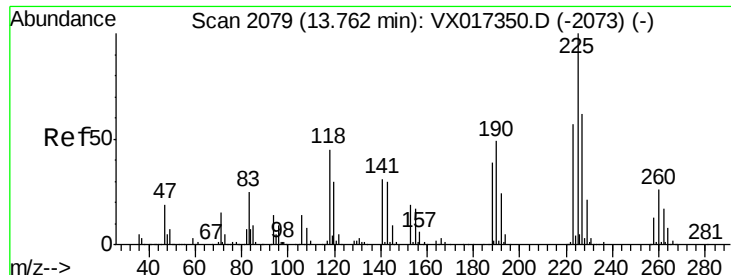


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#94

Hexachlorobutadiene

Concen: 0.256 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX017366.D

Acq: 14 Jul 2020 10:07

Instrument :

MSVOA_X

ClientSampleId :

VX0714WBL01

Tot Ion:225 Resp: 531

Ion Ratio Lower Upper

225 100

223 78.2 31.3 93.8

227 68.0 31.6 95.0

