

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016369.D
 Acq On : 20 May 2020 18:38
 Operator : JC/SP
 Sample : L2684-04 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-2

Quant Time: May 21 03:54:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	247209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	406486	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	397989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194107	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	143491	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	
35) Dibromofluoromethane	5.47	113	118843	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	8.70	98	493808	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.12	95	198313	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	

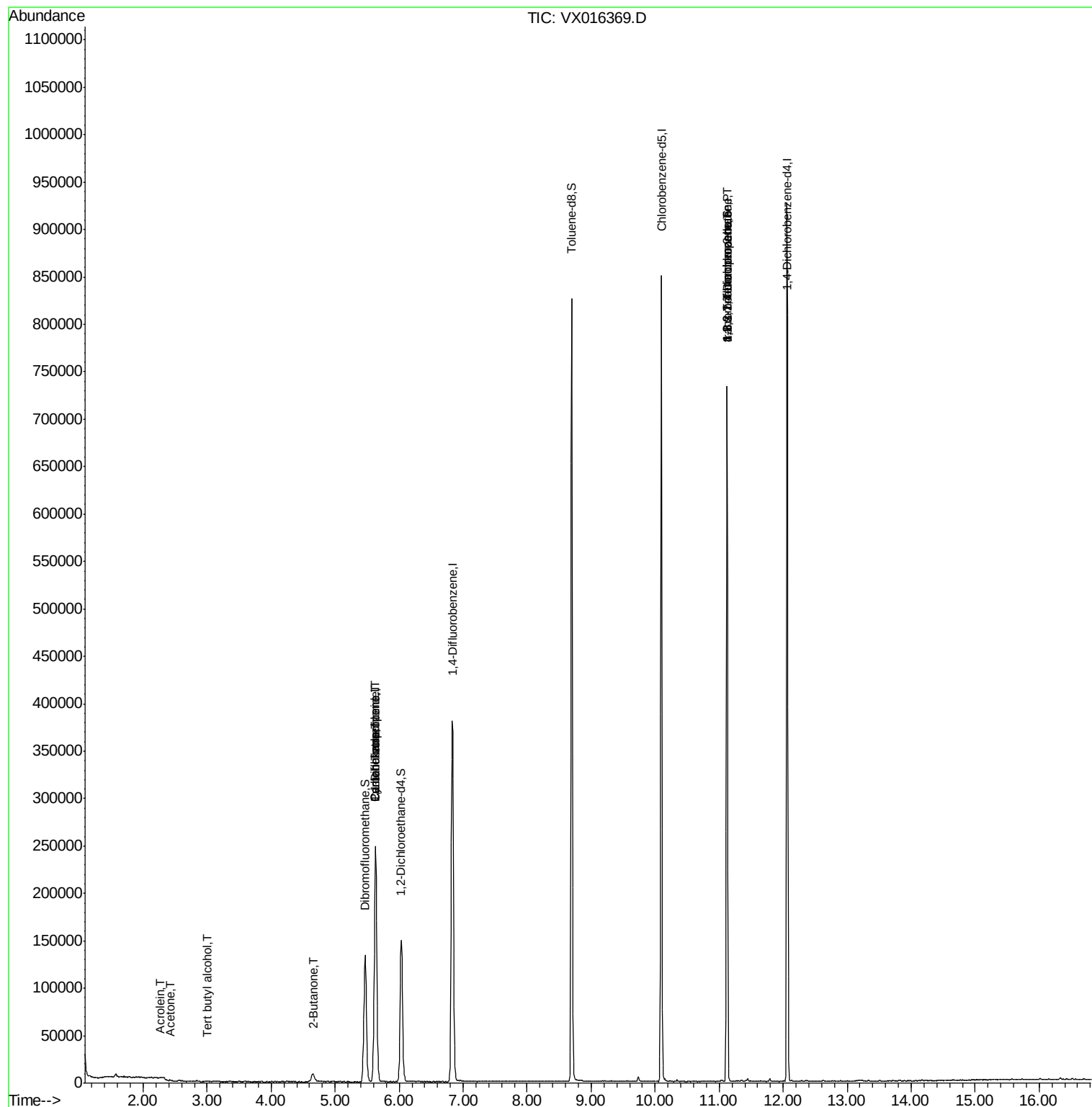
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	530	0.644	ug/l #	72
13) Acrolein	2.28	56	238	0.462	ug/l #	53
16) Acetone	2.43	43	623	0.429	ug/l	92
17) Carbon Disulfide	2.56	76	917	Below Cal	#	76
25) 2-Butanone	4.65	43	752	0.322	ug/l #	48
31) Cyclohexane	5.63	56	4113	0.910	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17662	4.414	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23019	5.660	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.12	83	109	2.090	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	94238	21.395	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	94238	50.985	ug/l #	13

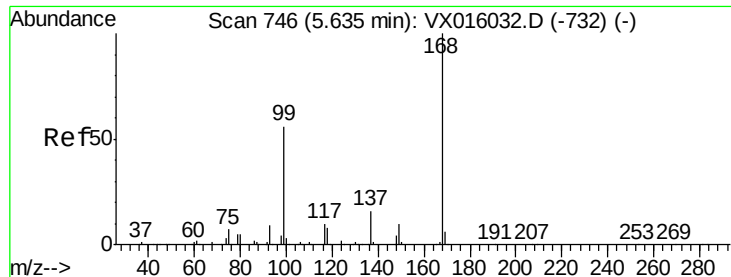
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052020\
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Instrument :
MSVOA_X
ClientSampleId :
RW-2

Quant Time: May 21 03:54:57 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampled :

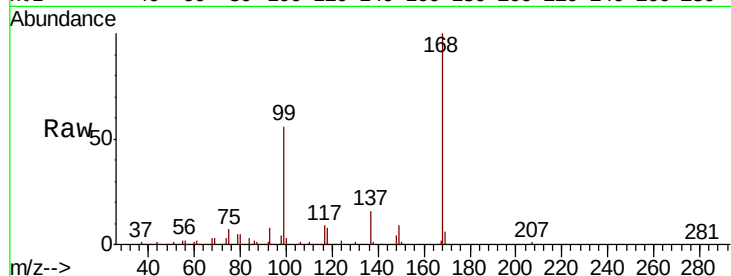
RW-2

Tot Ion:168 Resp: 247209

Ion Ratio Lower Upper

168 100

99 55.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

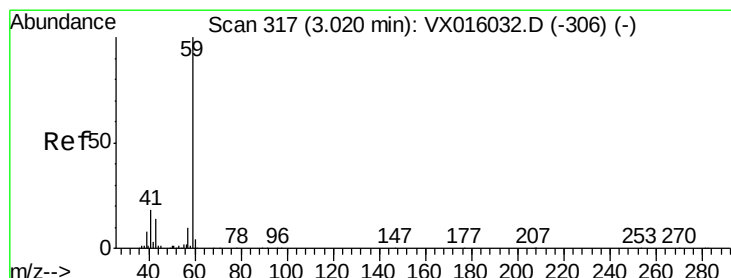
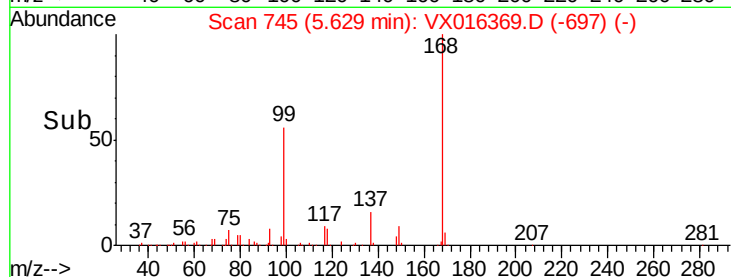
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.644 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016369.D

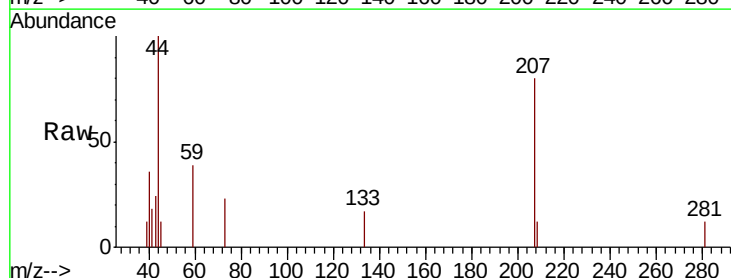
Acq: 20 May 2020 18:38

Tgt Ion: 59 Resp: 530

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

250

200

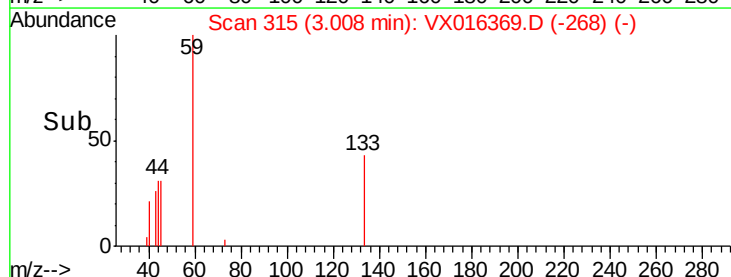
150

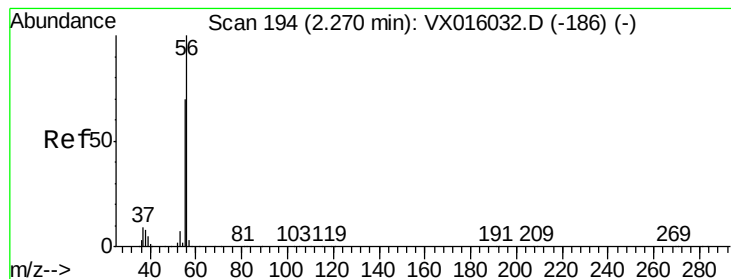
100

50

0

Time-->





#13

Acrolein

Concen: 0.462 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampled :

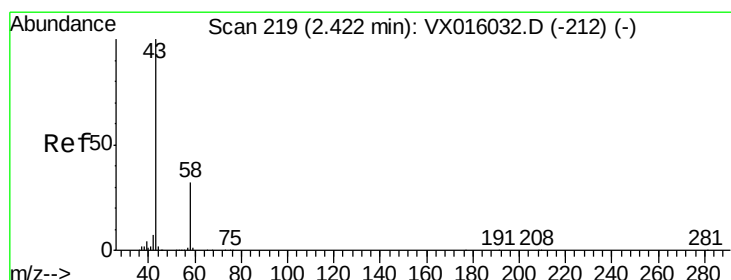
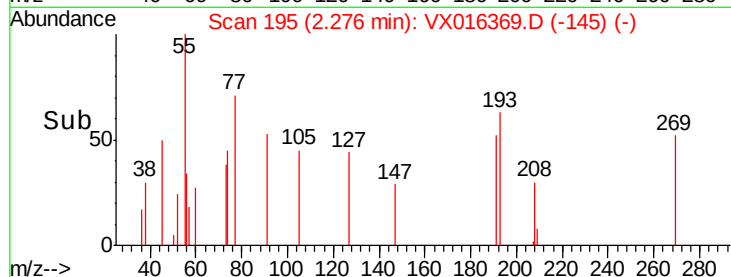
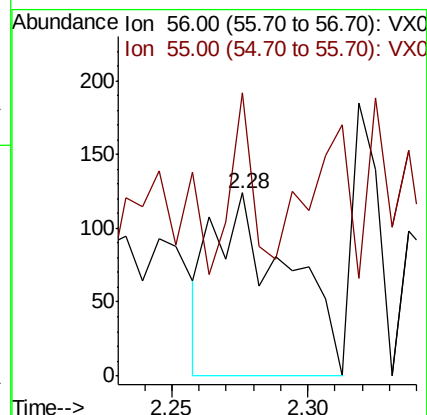
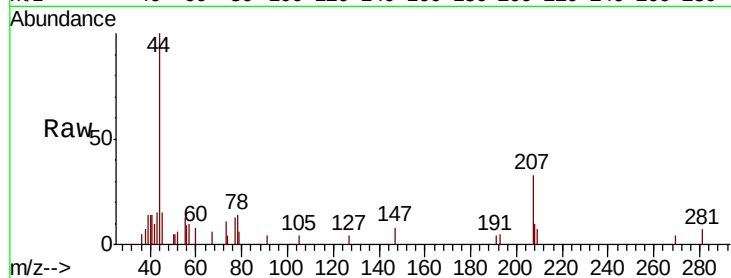
RW-2

Tot Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 31.9 56.5 84.7#



#16

Acetone

Concen: 0.429 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016369.D

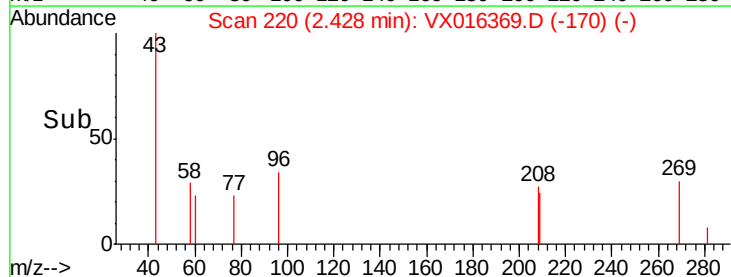
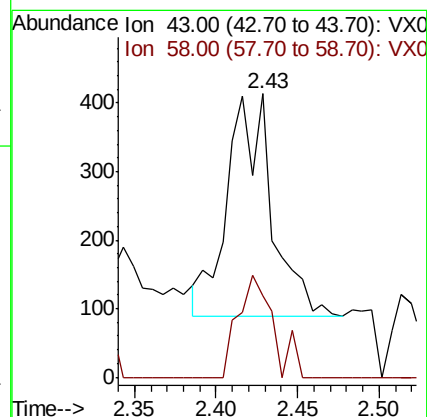
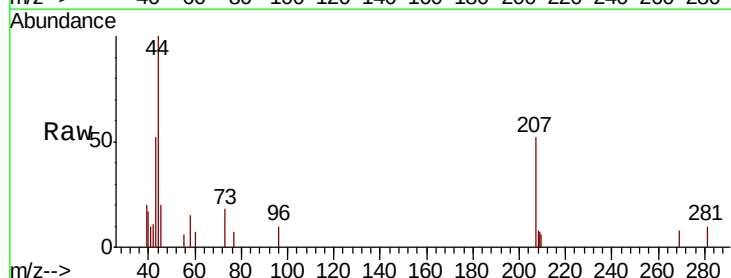
Acq: 20 May 2020 18:38

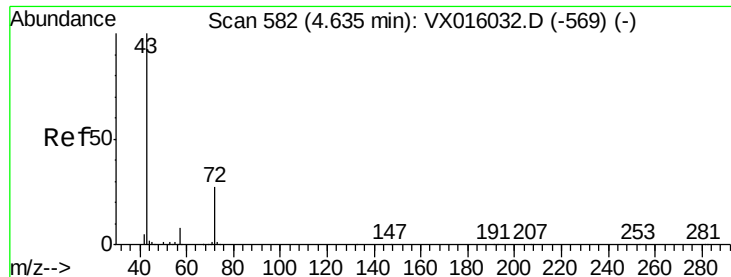
Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

43 100

58 36.3 25.4 38.0





#25

2-Butanone

Concen: 0.322 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

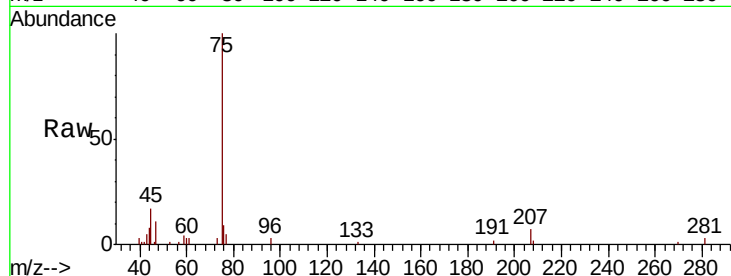
RW-2

Tot Ion: 43 Resp: 752

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

250

200

150

100

50

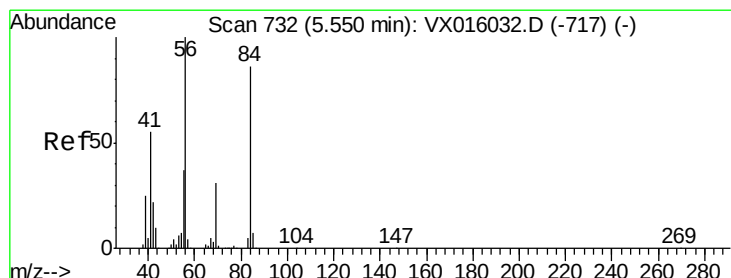
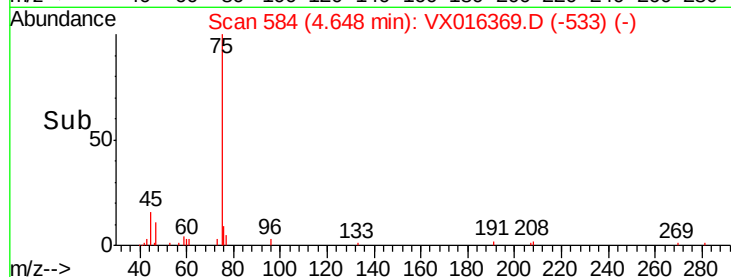
0

4.60

4.65

4.70

Time-->



#31

Cyclohexane

Concen: 0.910 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

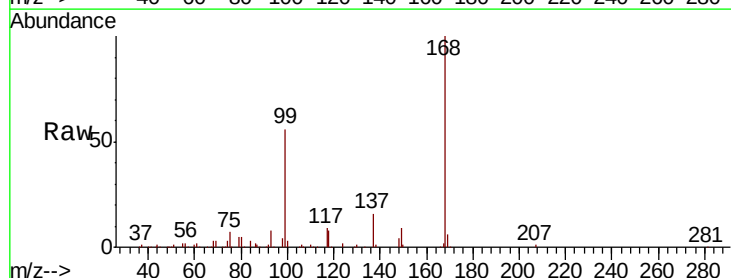
Tgt Ion: 56 Resp: 4113

Ion Ratio Lower Upper

56 100

69 195.7 25.0 37.6#

84 174.5 69.0 103.6#



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

4000

3000

2000

1000

0

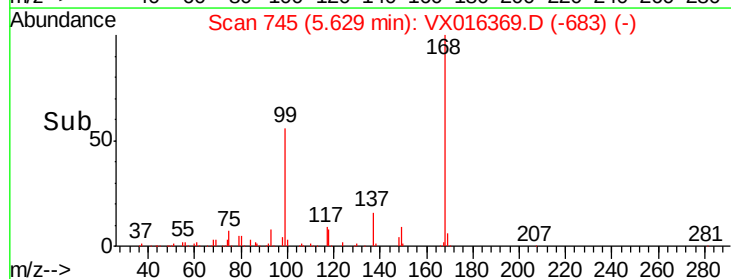
5.55

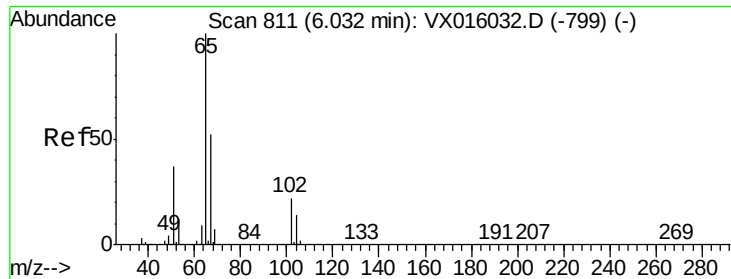
5.60

5.63

5.70

Time-->

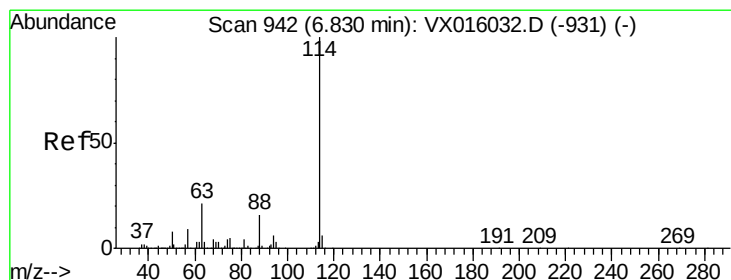
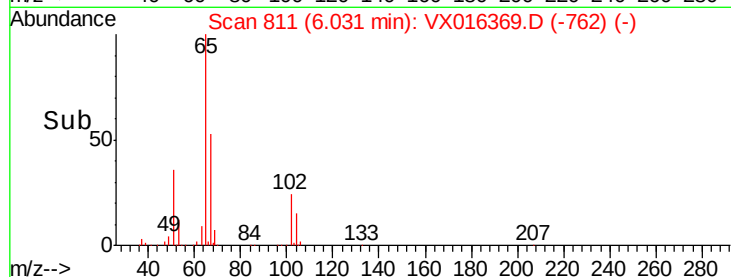
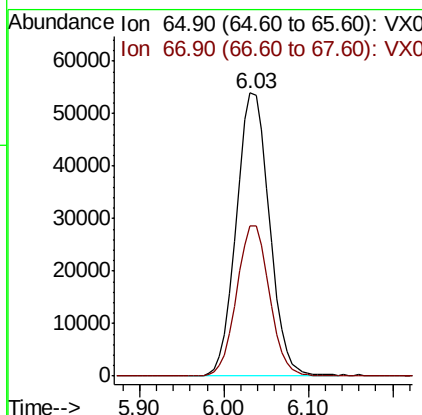
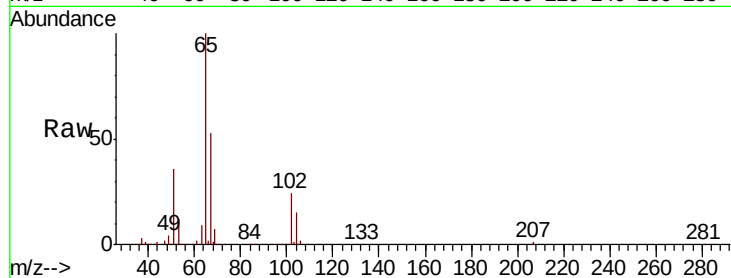




#33
 1,2-Dichloroethane-d4
 Concen: 44.110 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016369.D
 Acq: 20 May 2020 18:38

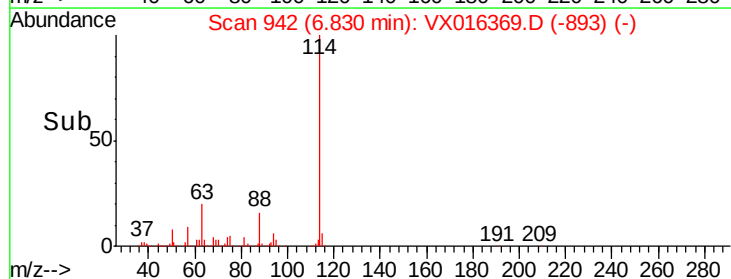
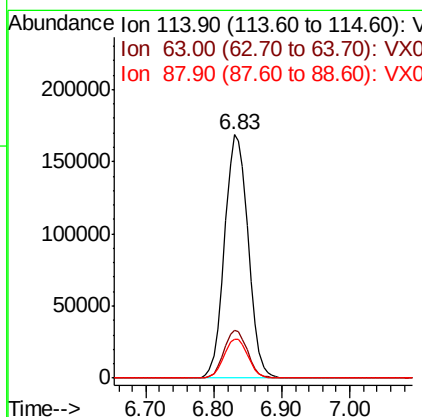
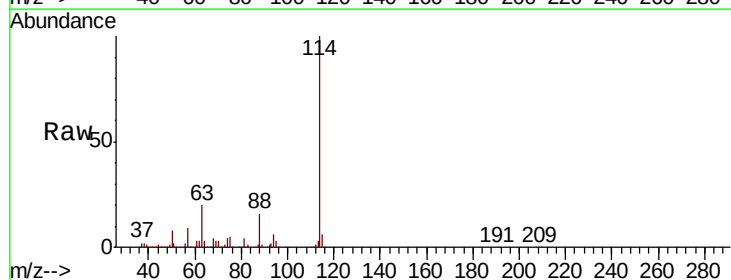
Instrument :
 MSVOA_X
 ClientSampleId :
 RW-2

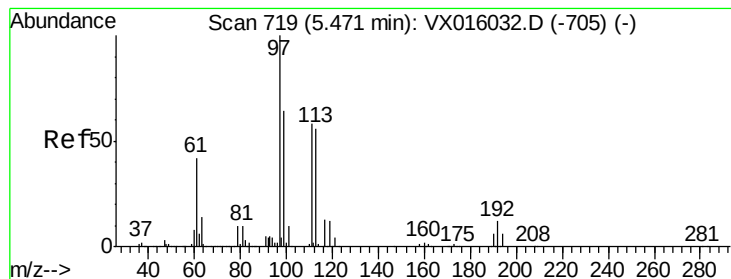
Tot Ion: 65 Resp: 143491
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016369.D
 Acq: 20 May 2020 18:38

Tgt Ion: 114 Resp: 406486
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 42.8
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.148 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampled :

RW-2

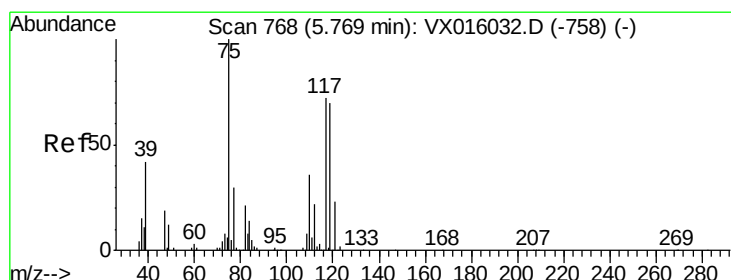
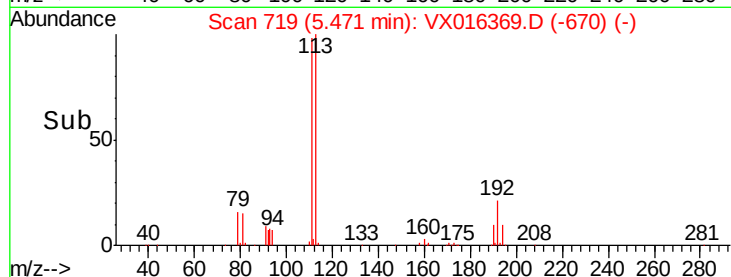
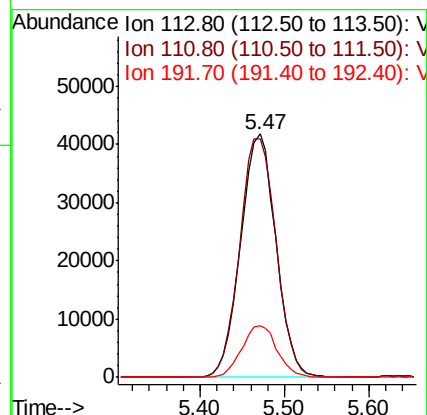
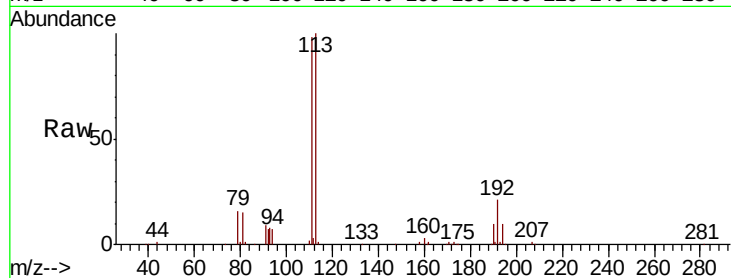
Tot Ion:113 Resp: 118843

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

192 21.1 17.0 25.4



#36

1,1-Dichloropropene

Concen: 4.414 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

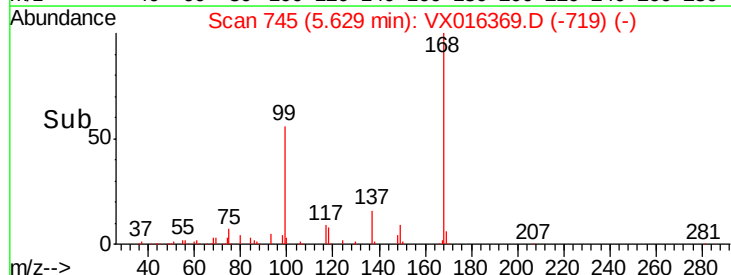
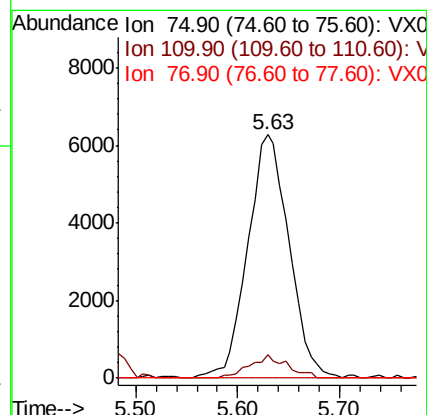
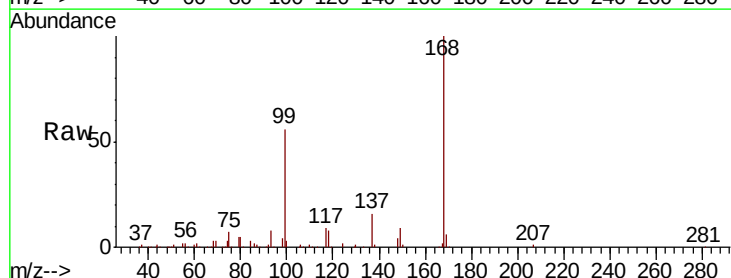
Tgt Ion: 75 Resp: 17662

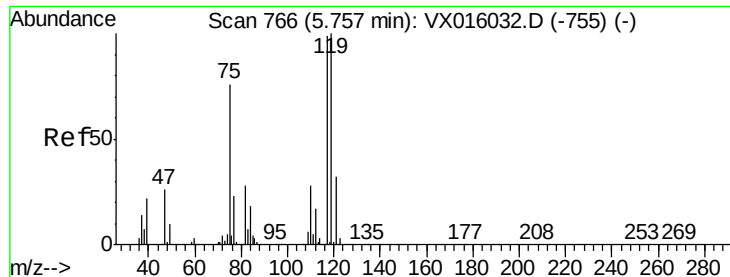
Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.1#

77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampled :

RW-2

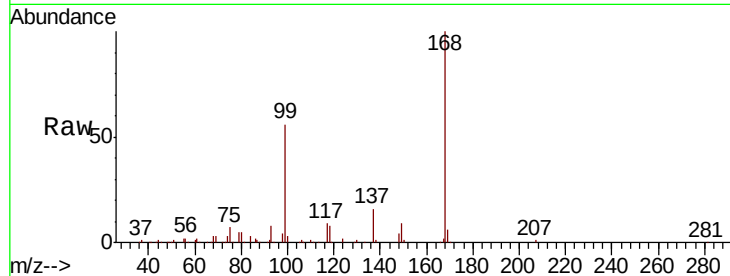
Tot Ion:117 Resp: 23019

Ion Ratio Lower Upper

117 100

119 4.3 80.3 120.5#

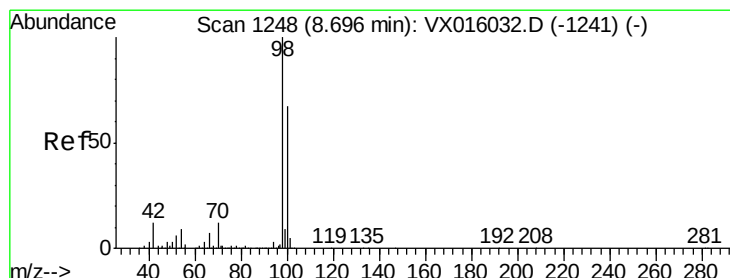
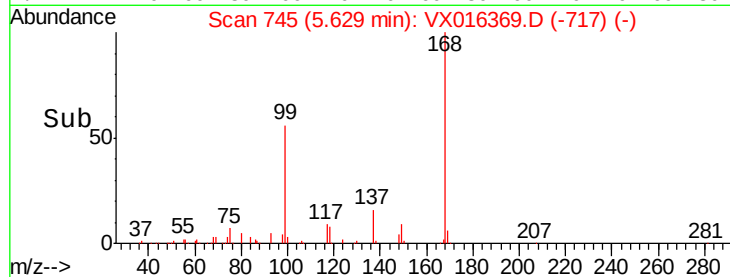
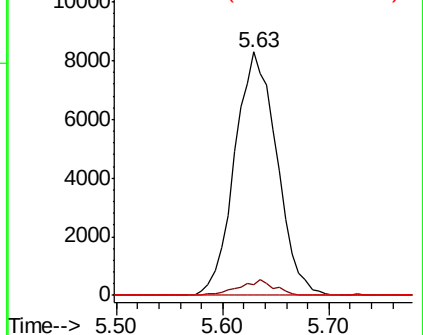
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 49.766 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016369.D

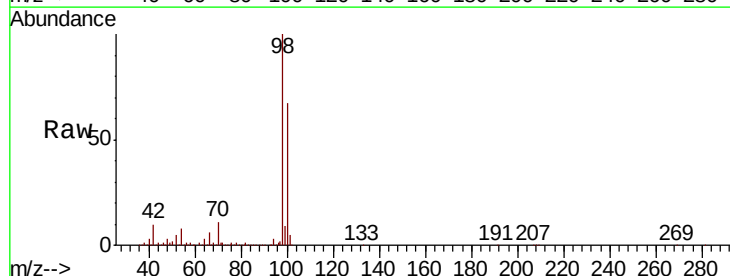
Acq: 20 May 2020 18:38

Tgt Ion: 98 Resp: 493808

Ion Ratio Lower Upper

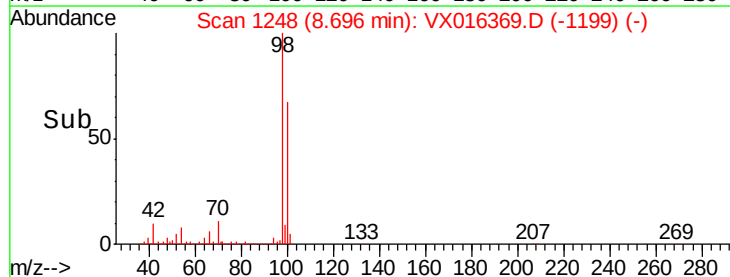
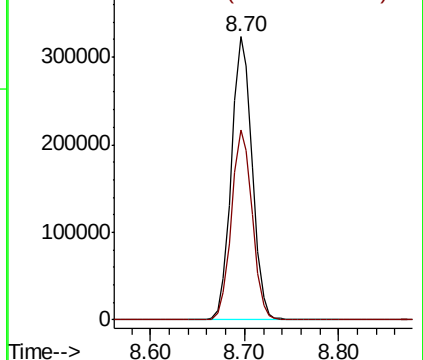
98 100

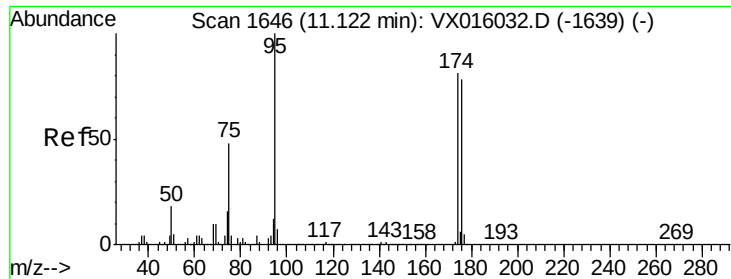
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

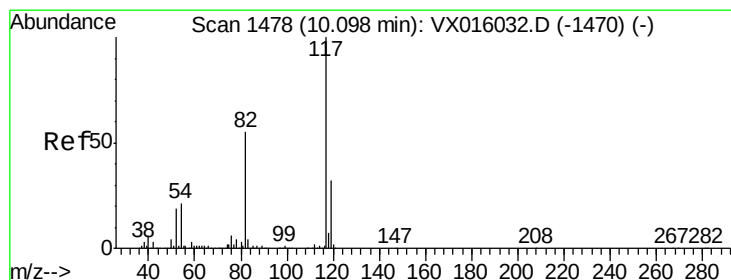
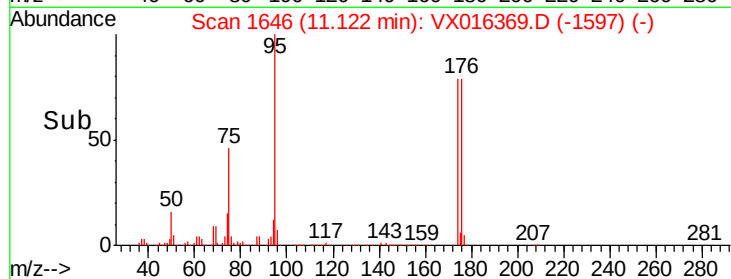
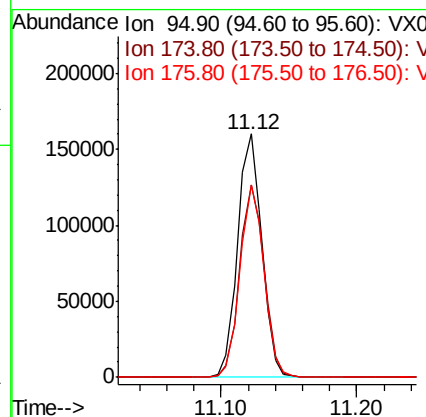
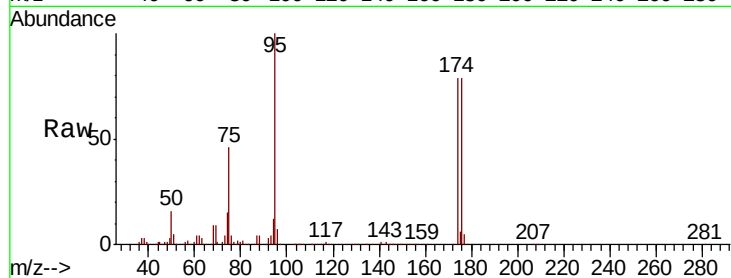




#62
4-Bromofluorobenzene
Concen: 52.546 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016369.D
Acq: 20 May 2020 18:38

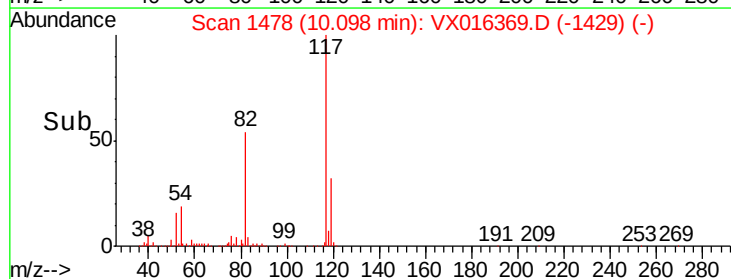
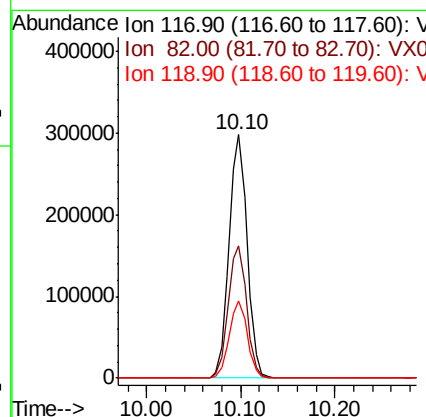
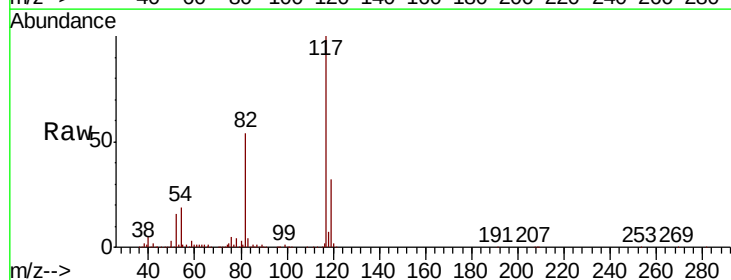
Instrument :
MSVOA_X
ClientSampleId :
RW-2

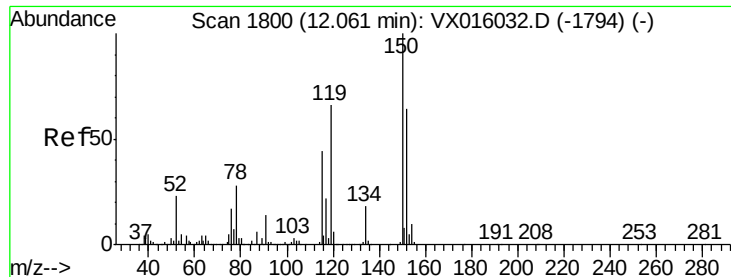
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.0	0.0	159.4
176	78.2	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016369.D
Acq: 20 May 2020 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.4	66.6
119	31.9	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampleId :

RW-2

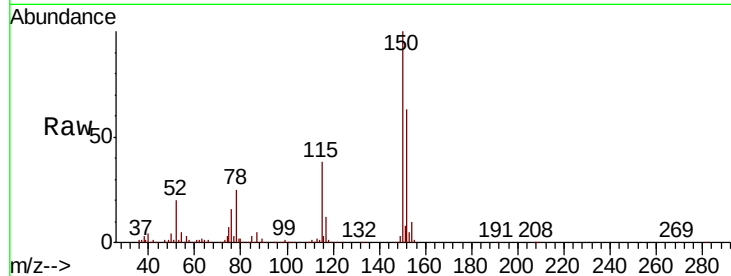
Tot Ion:152 Resp: 194107

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

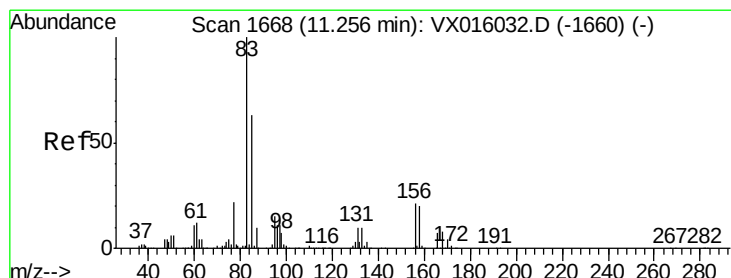
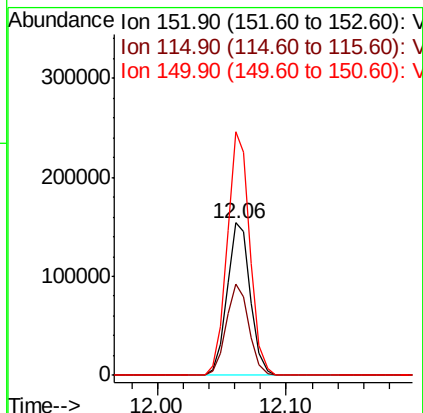
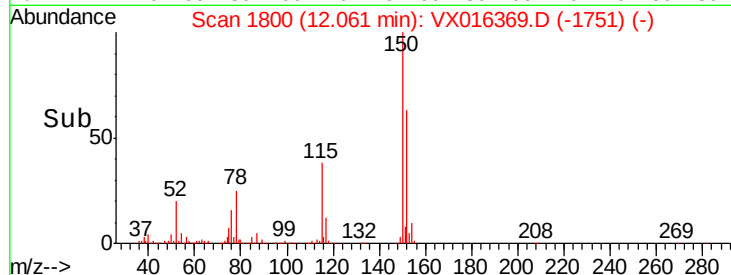
150 156.6 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.090 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

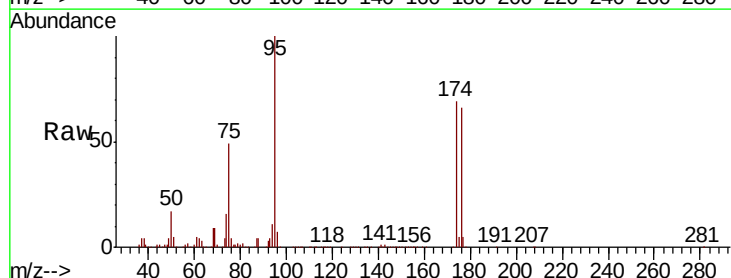
Tgt Ion: 83 Resp: 109

Ion Ratio Lower Upper

83 100

131 255.0 5.1 15.4#

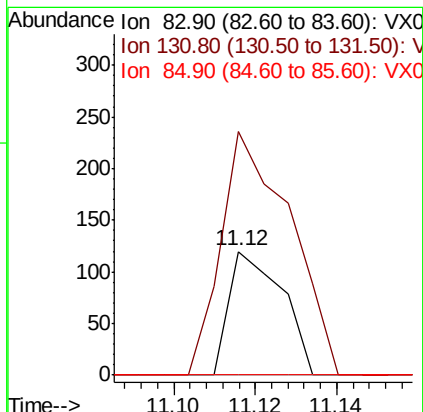
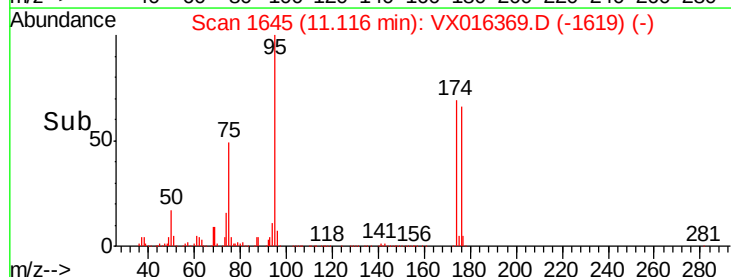
85 0.0 32.0 96.0#

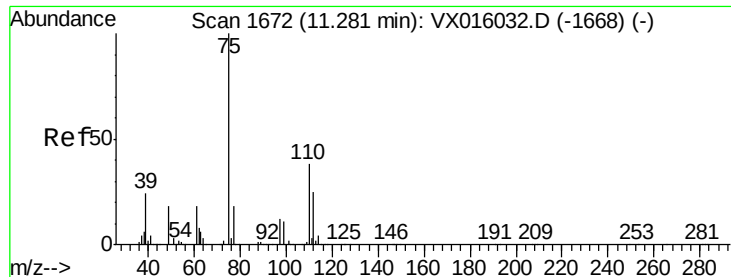


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.395 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

Instrument :

MSVOA_X

ClientSampled :

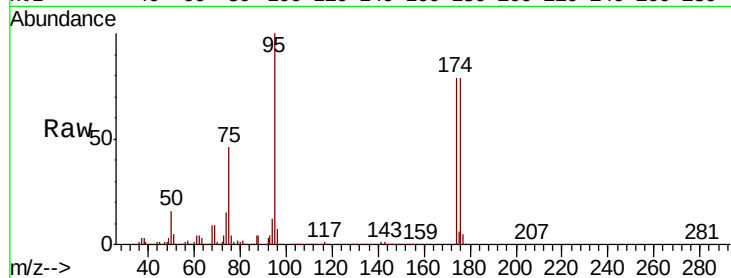
RW-2

Tot Ion: 75 Resp: 94238

Ion Ratio Lower Upper

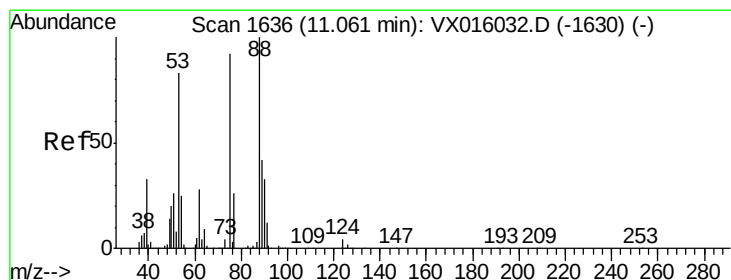
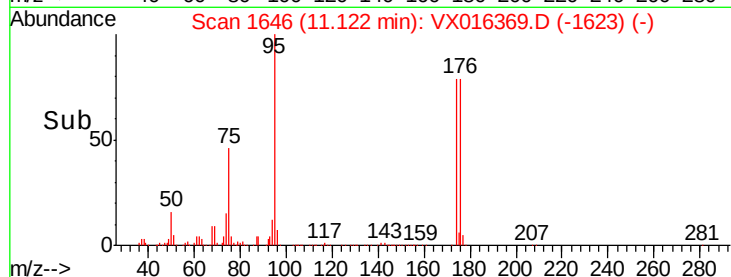
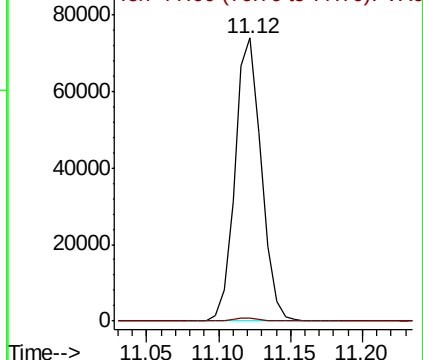
75 100

77 1.2 21.2 63.6#



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: 50.985 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016369.D

Acq: 20 May 2020 18:38

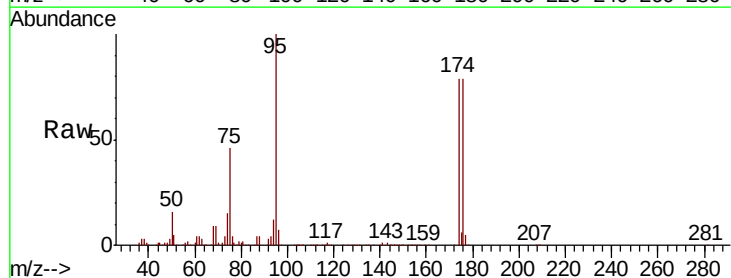
Tgt Ion: 75 Resp: 94238

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



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

