

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016987.D
 Acq On : 26 Jun 2020 16:38
 Operator : JC/SP
 Sample : L3117-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

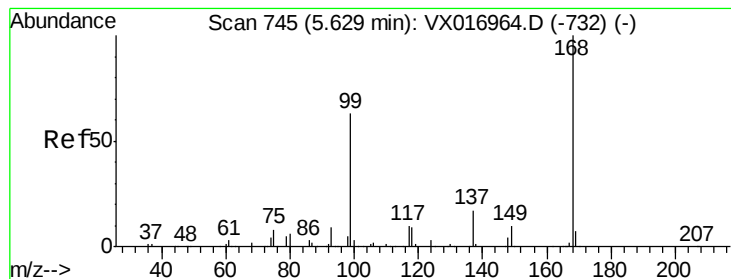
Quant Time: Jun 27 04:25:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	226200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	410581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	415068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211274	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	185066	54.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.36%		
35) Dibromofluoromethane	5.47	113	140044	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
50) Toluene-d8	8.70	98	514563	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.54%		
62) 4-Bromofluorobenzene	11.12	95	215093	55.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	54	Below Cal	#	20
10) Methyl Iodide	2.51	142	70	2.805	ug/l #	71
12) 1,1-Dichloroethene	2.36	96	928	0.370	ug/l #	56
13) Acrolein	2.28	56	471	0.985	ug/l #	46
15) Acrylonitrile	3.12	53	316	0.211	ug/l #	35
16) Acetone	2.43	43	1585	1.187	ug/l #	81
18) Methyl Acetate	2.74	43	869	0.268	ug/l #	82
27) cis-1,2-Dichloroethene	4.57	96	3700	1.182	ug/l	86
31) Cyclohexane	5.63	56	5664	1.321	ug/l #	20
36) 1,1-Dichloropropene	5.63	75	20070	4.937	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24864	5.779	ug/l #	17
44) Trichloroethene	7.20	130	775	0.249	ug/l	89
49) 1,4-Dioxane	7.73	88	64	0.896	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	114470	25.818	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	114470	65.547	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

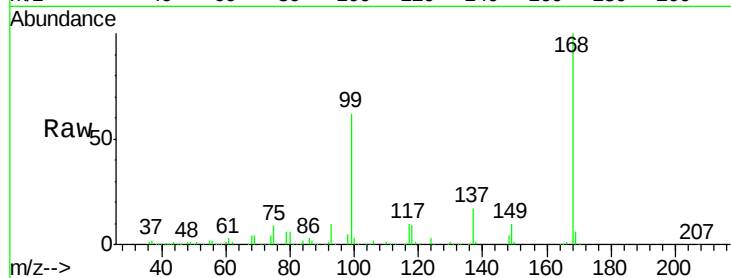
ClientSampleId :

Tot Ion:168 Resp: 226200

Ion Ratio Lower Upper

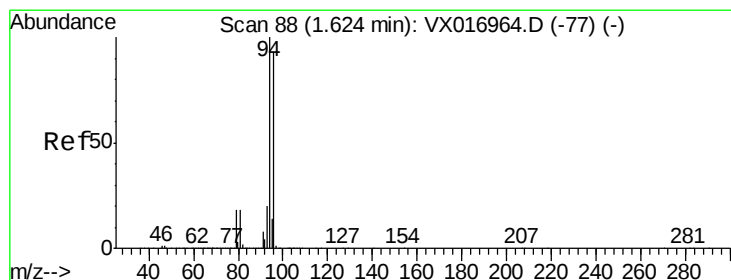
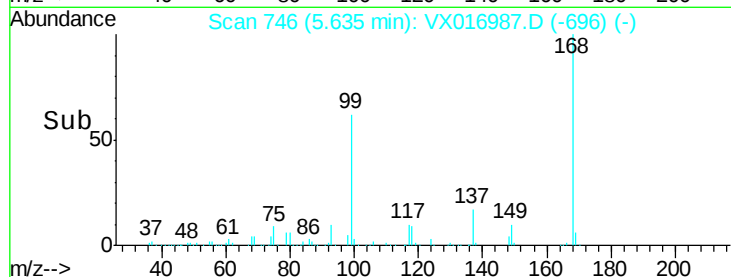
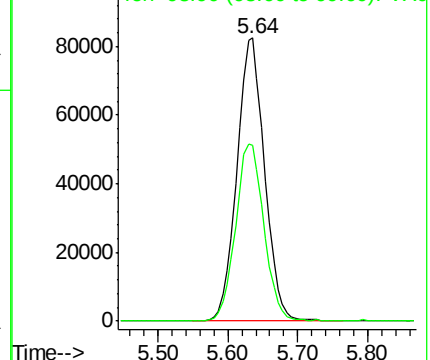
168 100

99 61.9 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX016987.D

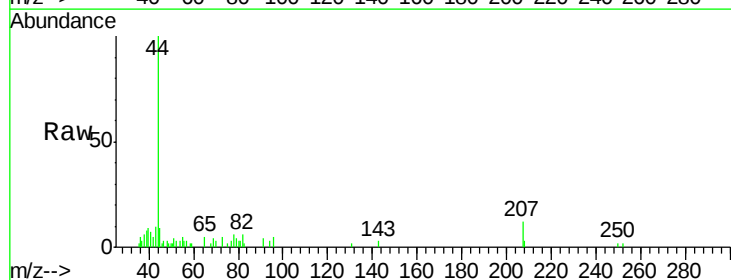
Acq: 26 Jun 2020 16:38

Tgt Ion: 94 Resp: 54

Ion Ratio Lower Upper

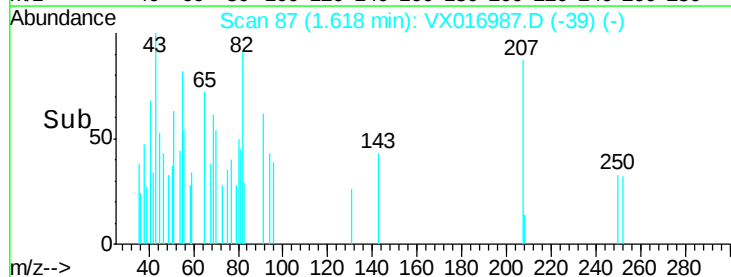
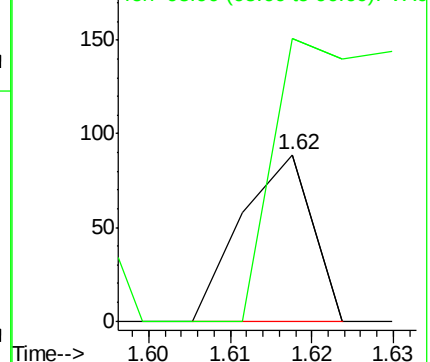
94 100

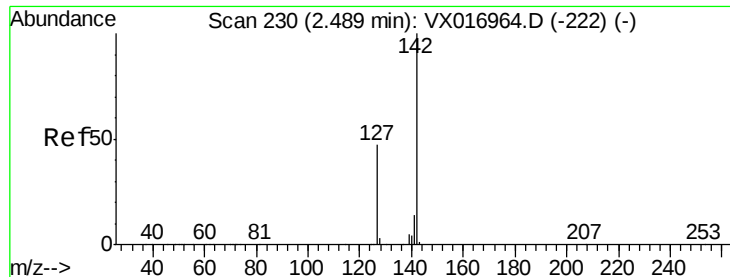
96 169.7 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 2.805 ug/l

RT: 2.51 min Scan# 234

Delta R.T. 0.02 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :
MSVOA_X
ClientSampled :

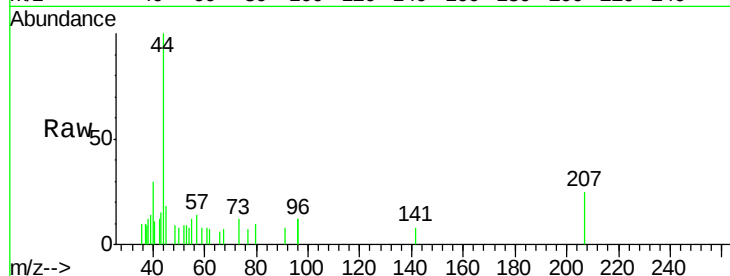
Tot Ion:142 Resp: 70

Ion Ratio Lower Upper

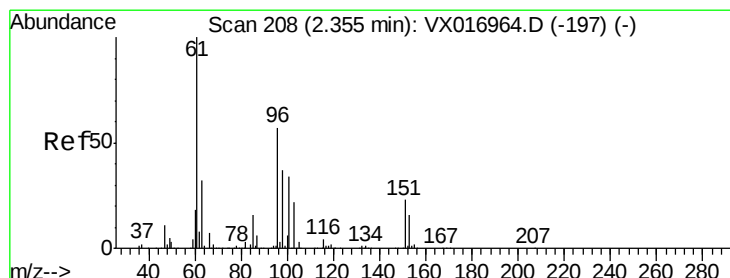
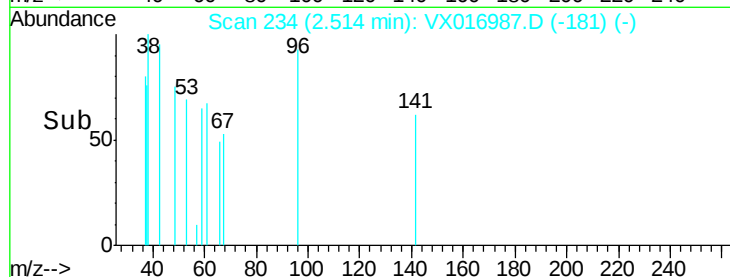
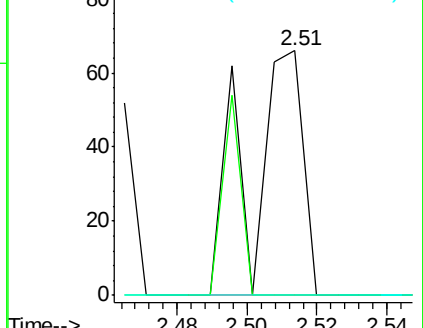
142 100

127 28.6 37.4 56.0#

141 0.0 11.7 17.5#



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



#12

1,1-Dichloroethene

Concen: 0.370 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

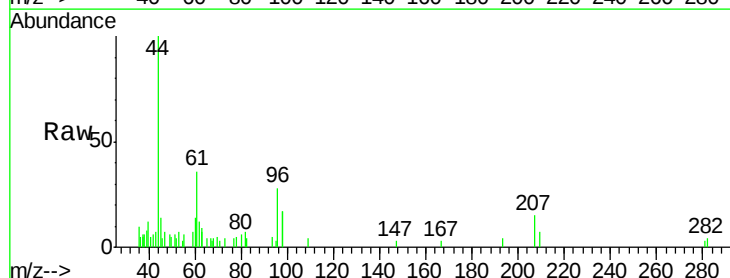
Tgt Ion: 96 Resp: 928

Ion Ratio Lower Upper

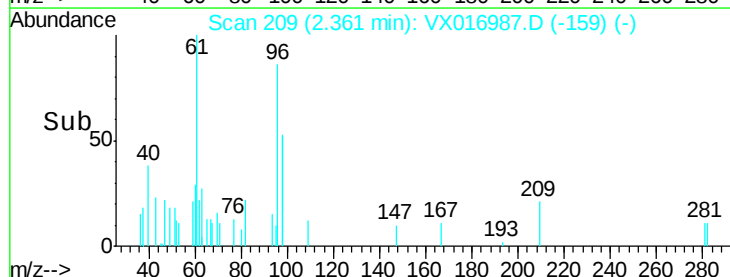
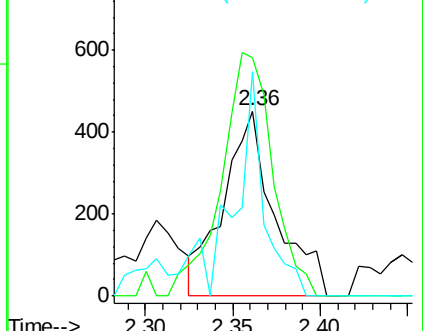
96 100

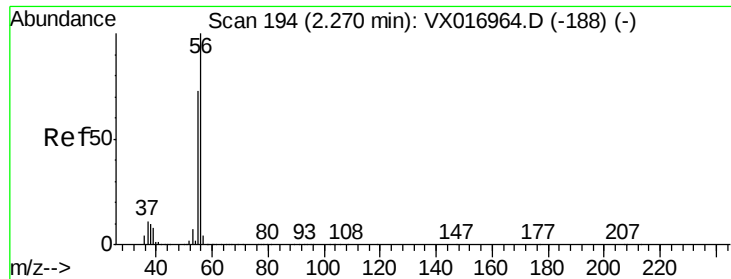
61 128.5 139.7 209.5#

98 121.5 51.0 76.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 0.985 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

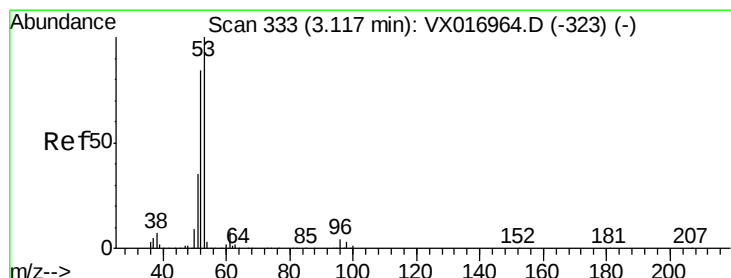
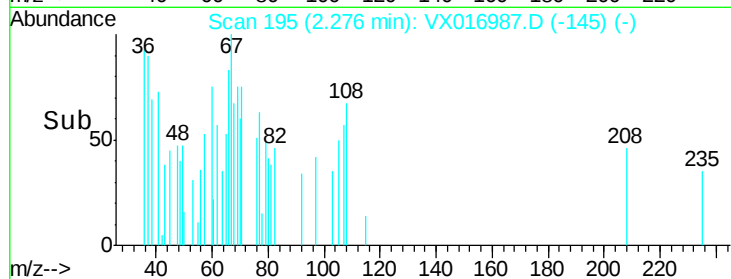
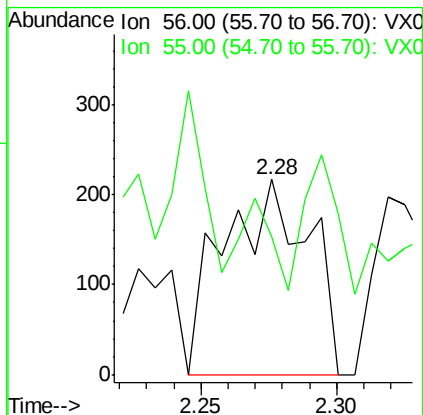
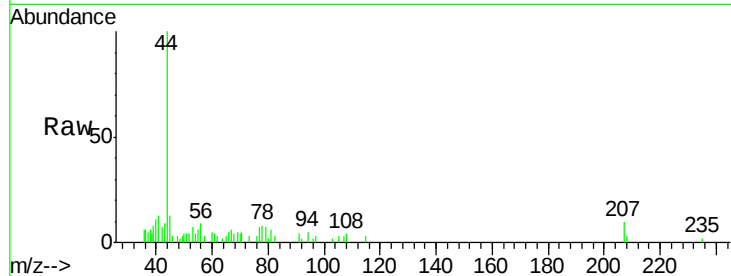
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 471

Ion Ratio Lower Upper

56 100

55 27.2 57.5 86.3#



#15

Acrylonitrile

Concen: 0.211 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

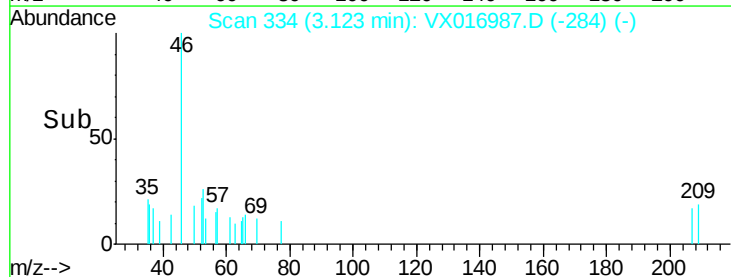
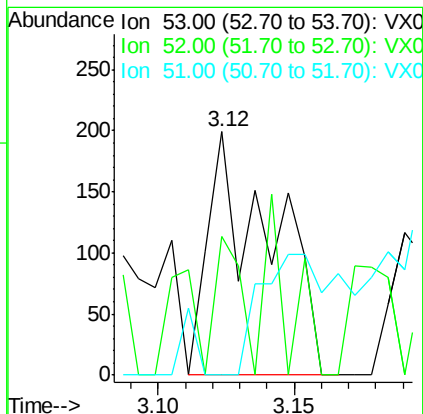
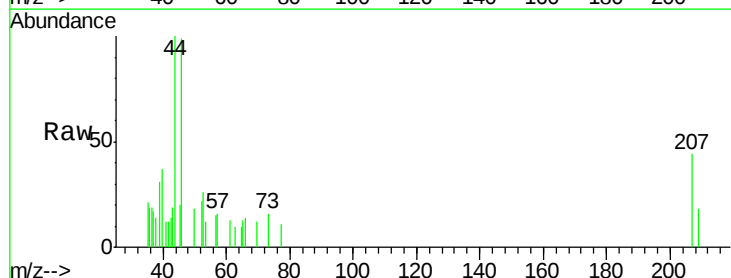
Tgt Ion: 53 Resp: 316

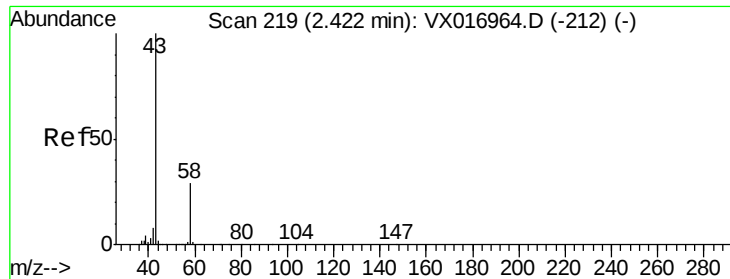
Ion Ratio Lower Upper

53 100

52 23.4 66.3 99.5#

51 0.0 29.0 43.6#





#16

Acetone

Concen: 1.187 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

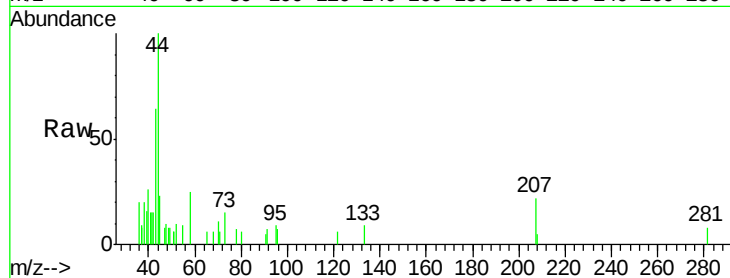
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1585

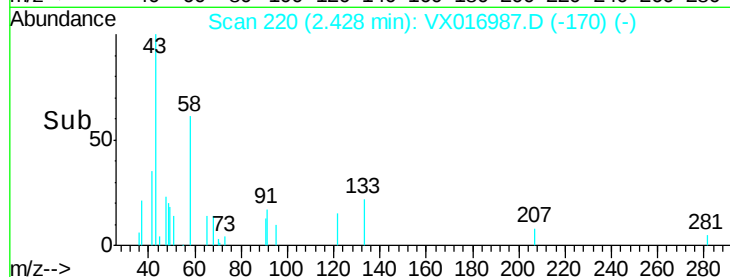
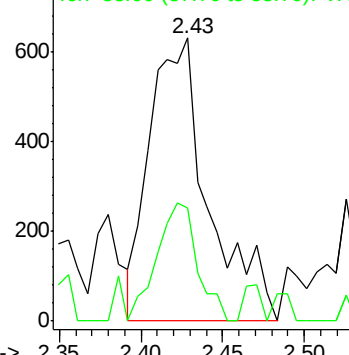
Ion Ratio Lower Upper

43 100

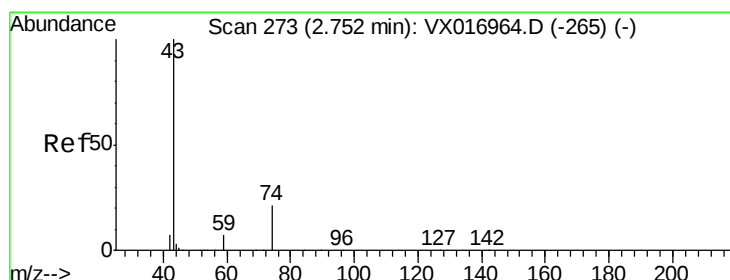
58 39.8 23.5 35.3#



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



Time-->



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 2.74 min Scan# 271

Delta R.T. -0.01 min

Lab File: VX016987.D

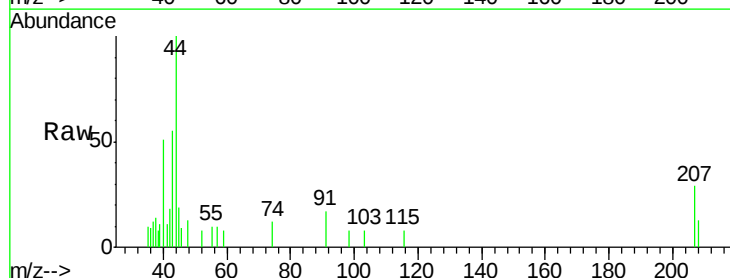
Acq: 26 Jun 2020 16:38

Tgt Ion: 43 Resp: 869

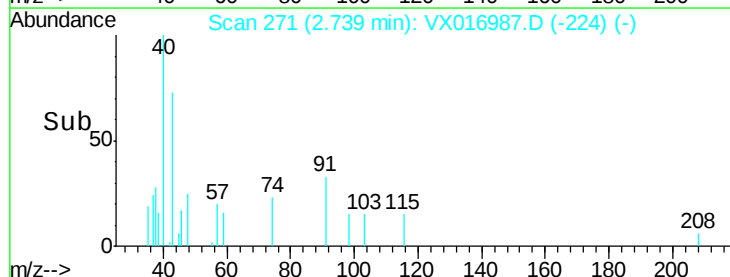
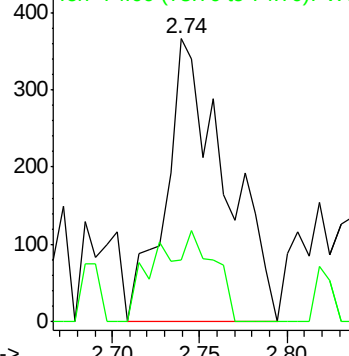
Ion Ratio Lower Upper

43 100

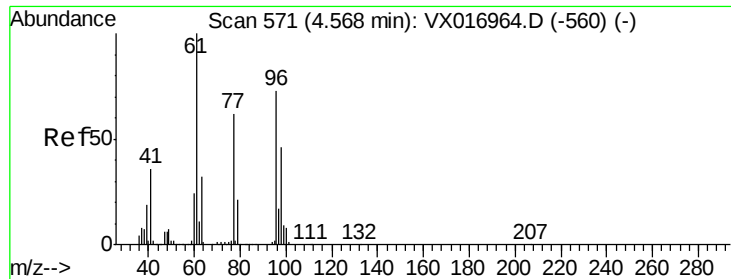
74 31.4 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0



Time-->

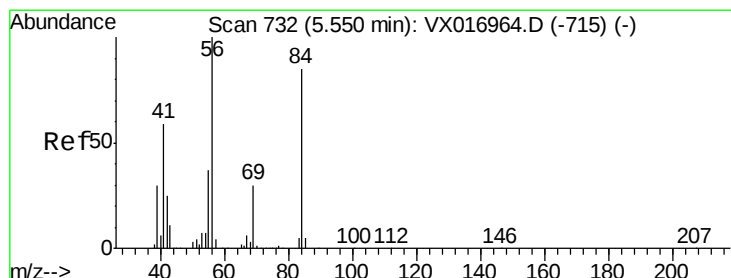
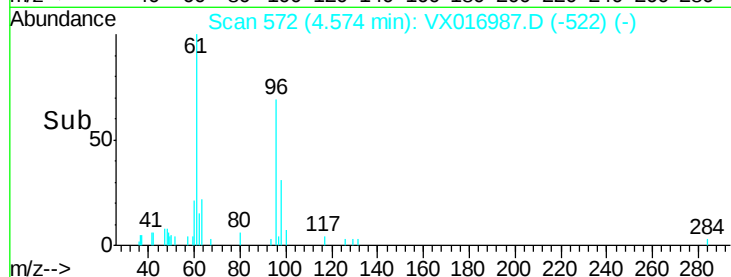
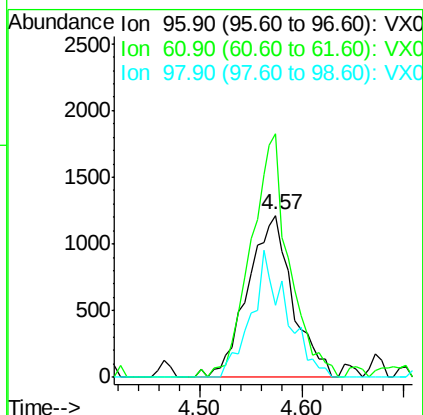
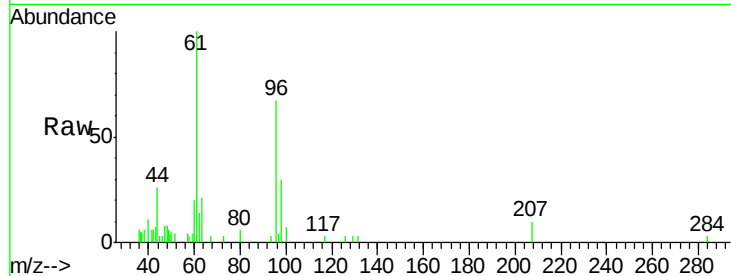


#27

cis-1,2-Dichloroethene
 Concen: 1.182 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX016987.D
 Acq: 26 Jun 2020 16:38

Instrument :
 MSVOA_X
 ClientSampleId :

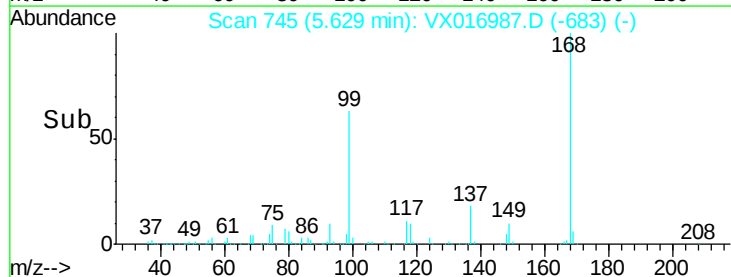
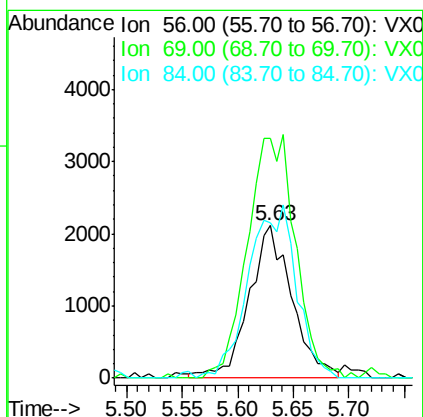
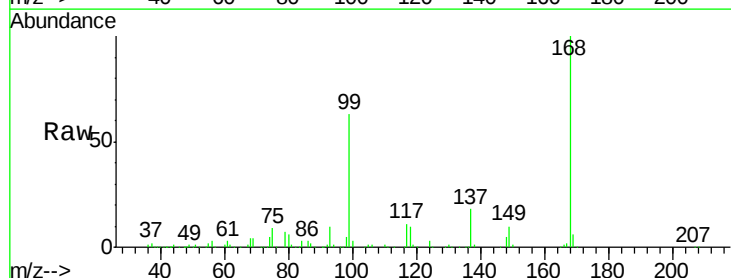
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	307.2
98	61.7	0.0	128.4

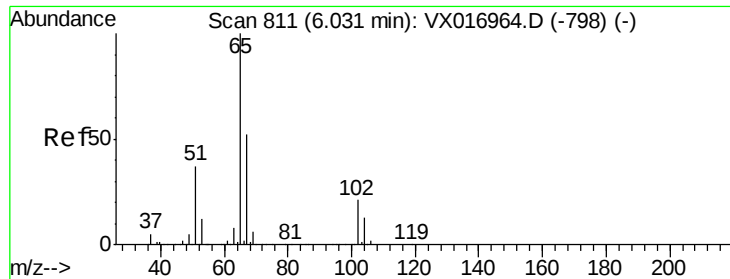


#31

Cyclohexane
 Concen: 1.321 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016987.D
 Acq: 26 Jun 2020 16:38

Tgt Ion	Ratio	Lower	Upper
56	100		
69	161.9	23.6	35.4#
84	105.3	67.8	101.8#





#33

1,2-Dichloroethane-d4

Concen: 54.178 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

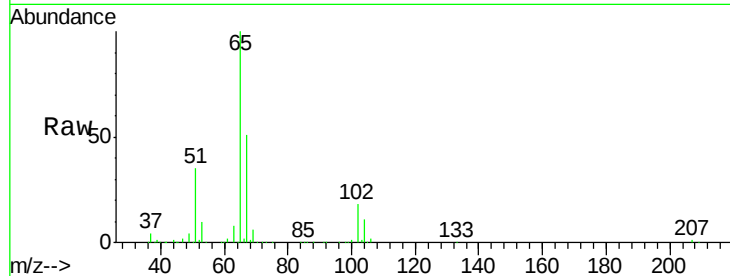
ClientSampleId :

Tot Ion: 65 Resp: 185066

Ion Ratio Lower Upper

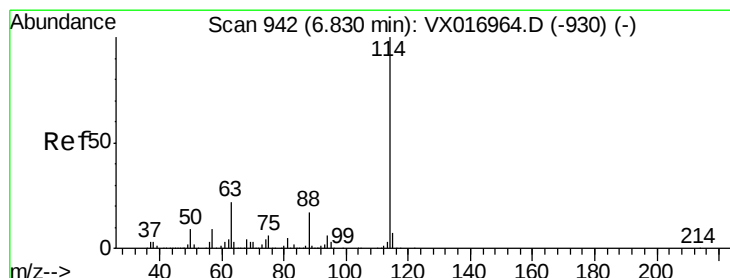
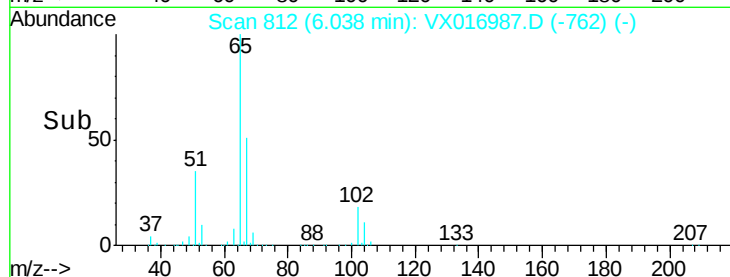
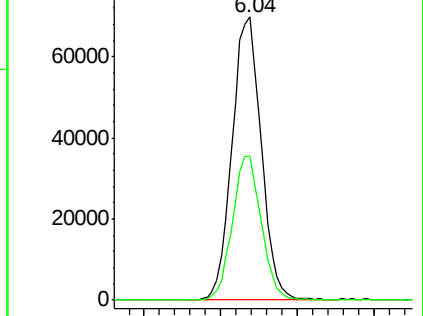
65 100

67 50.3 0.0 102.8



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: VX016987.D

Acq: 26 Jun 2020 16:38

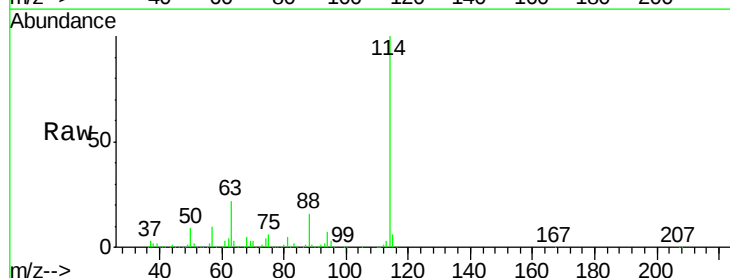
Tgt Ion: 114 Resp: 410581

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.4

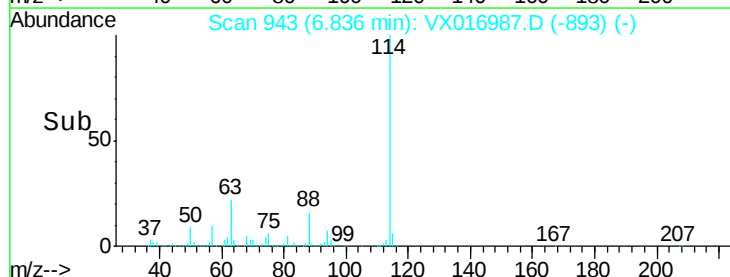
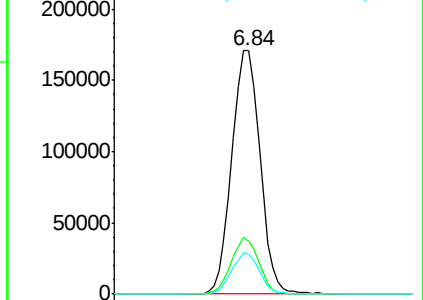
88 16.5 0.0 33.2

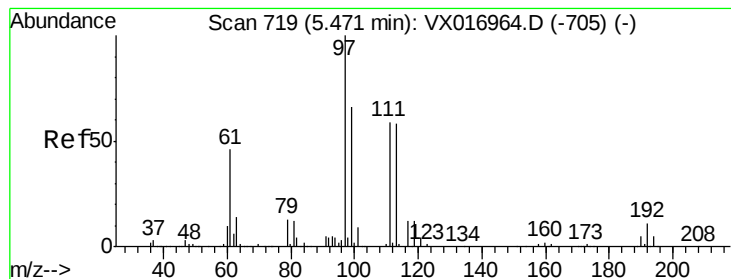


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.642 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

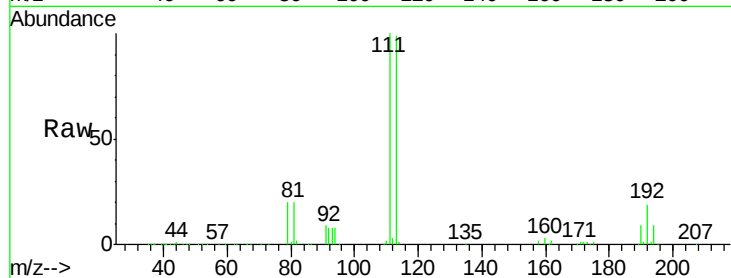
Tot Ion:113 Resp: 140044

Ion Ratio Lower Upper

113 100

111 100.9 84.3 126.5

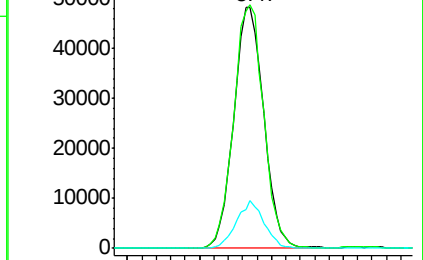
192 18.4 15.2 22.8



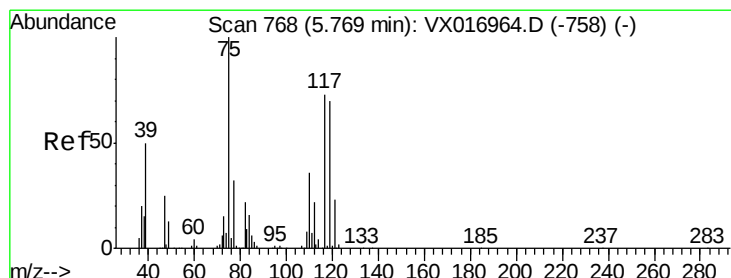
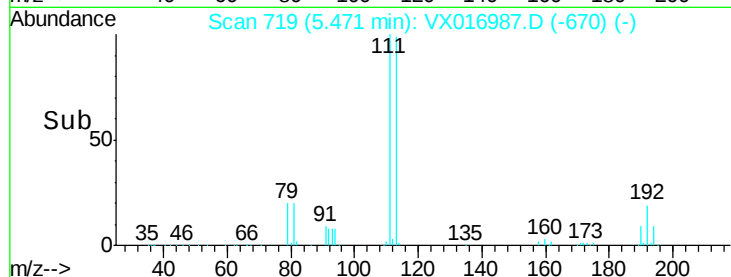
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time--> 5.30 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 4.937 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

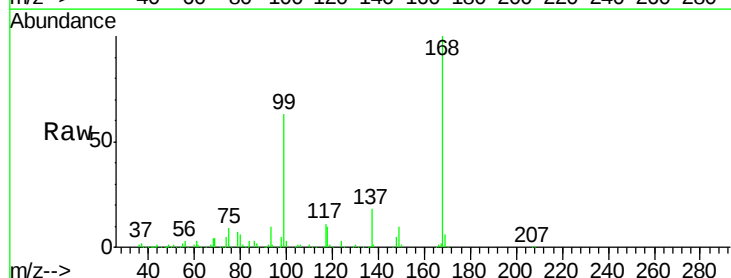
Tgt Ion: 75 Resp: 20070

Ion Ratio Lower Upper

75 100

110 10.0 17.2 51.6#

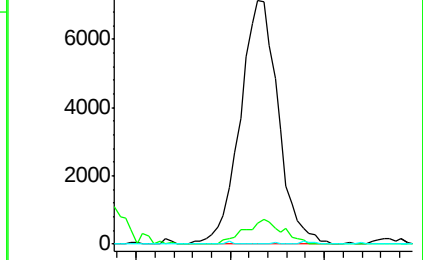
77 0.1 24.7 37.1#



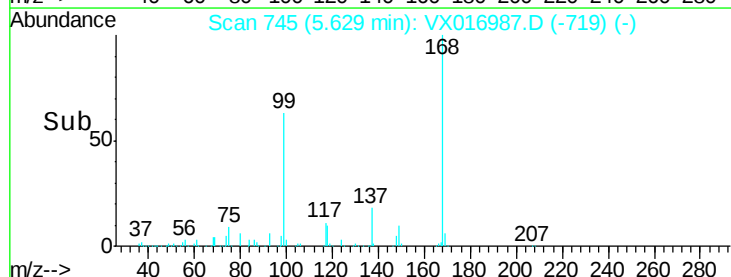
Abundance Ion 74.90 (74.60 to 75.60): VX0

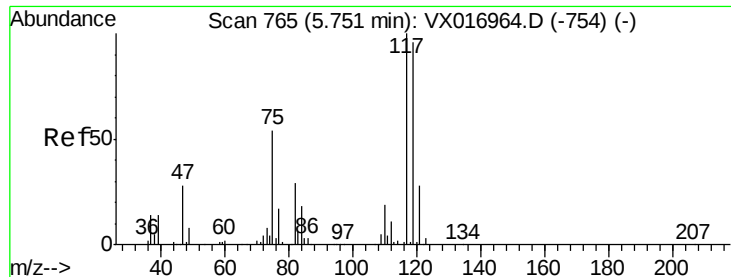
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



Time--> 5.50 5.60 5.70





#38

Carbon Tetrachloride

Concen: 5.779 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

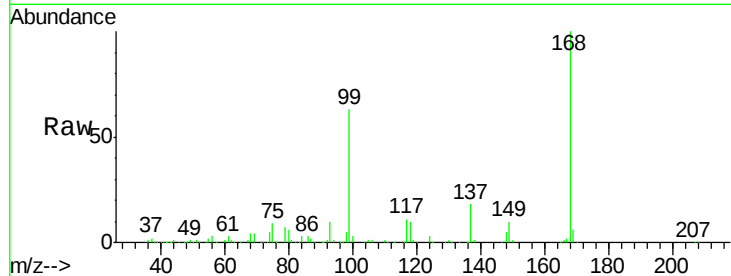
Tot Ion:117 Resp: 24864

Ion Ratio Lower Upper

117 100

119 6.3 76.6 114.8#

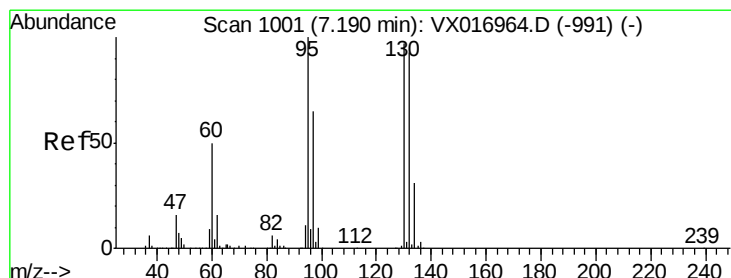
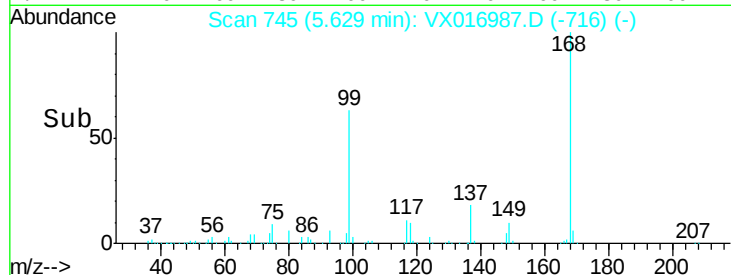
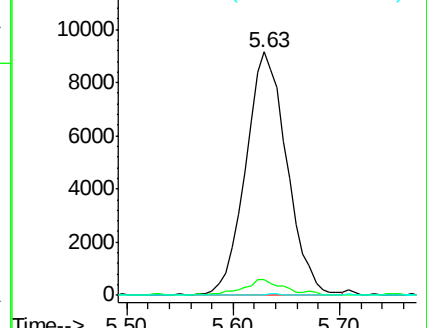
121 0.0 22.5 33.7#



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



#44

Trichloroethene

Concen: 0.249 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016987.D

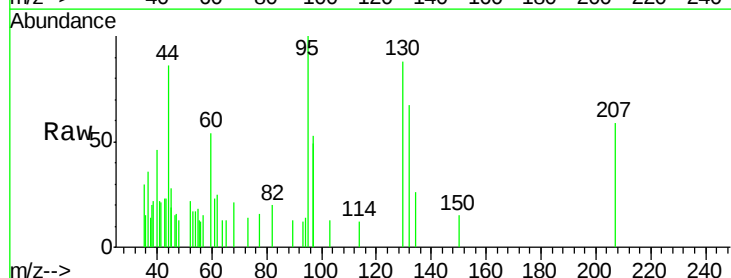
Acq: 26 Jun 2020 16:38

Tgt Ion:130 Resp: 775

Ion Ratio Lower Upper

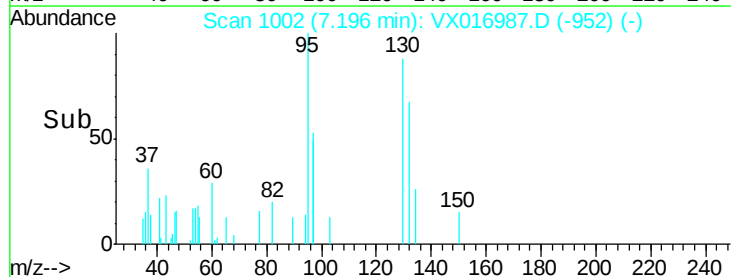
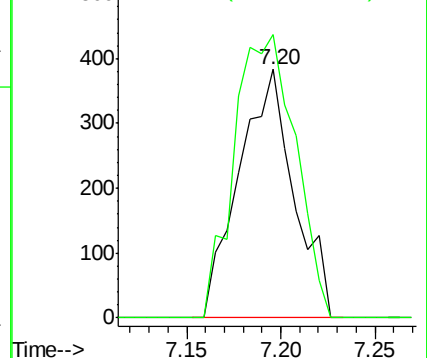
130 100

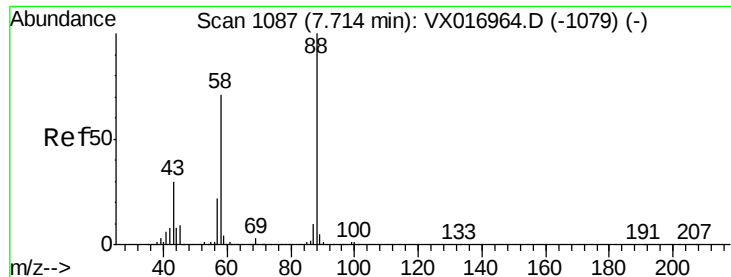
95 114.1 0.0 206.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.896 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

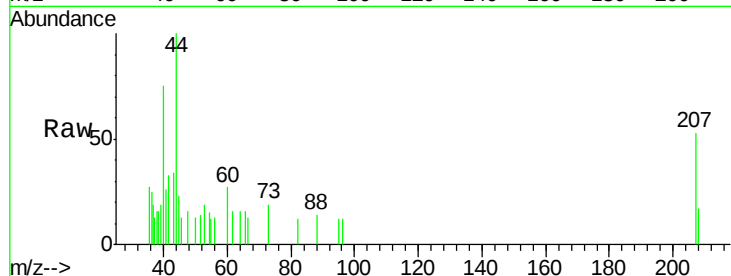
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 88 Resp: 64

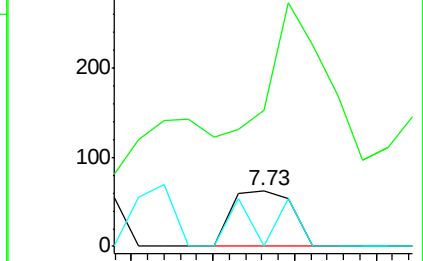
Ion	Ratio	Lower	Upper
88	100		
43	314.1	28.1	42.1#
58	60.9	56.1	84.1



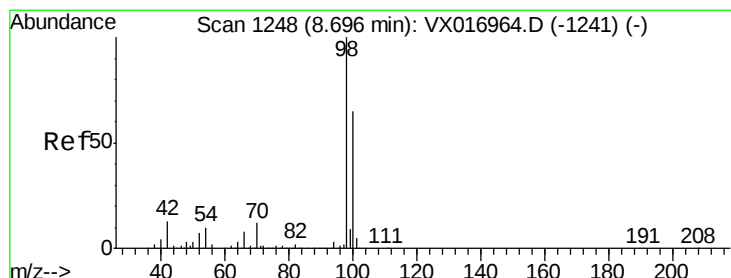
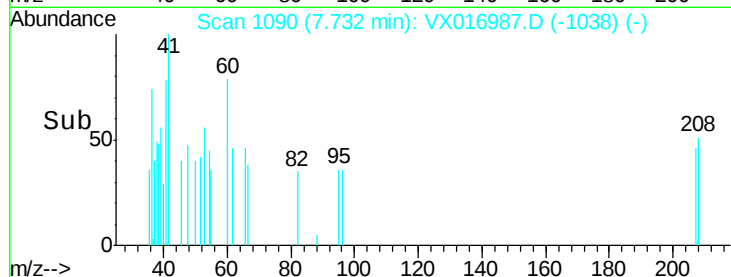
Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#50

Toluene-d8

Concen: 51.765 ug/l

RT: 8.70 min Scan# 1248

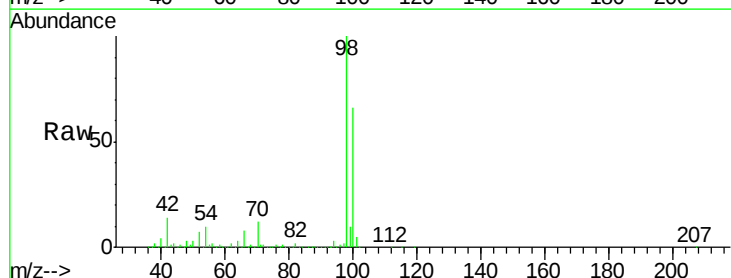
Delta R.T. -0.00 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

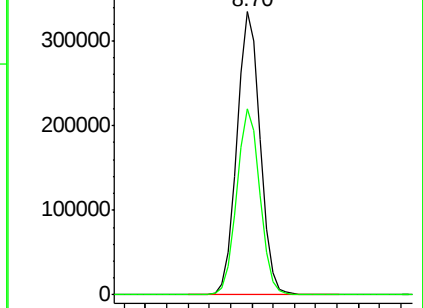
Tgt Ion: 98 Resp: 514563

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2

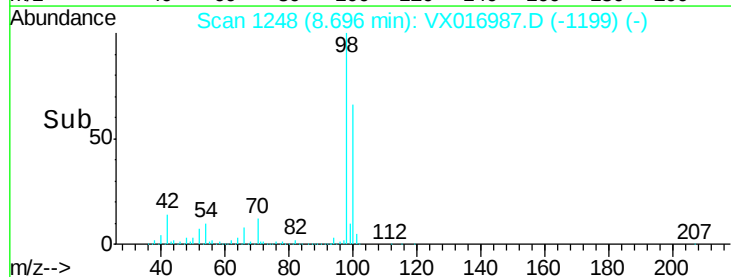


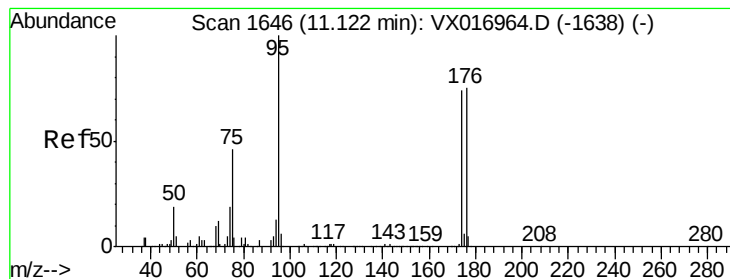
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 55.958 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

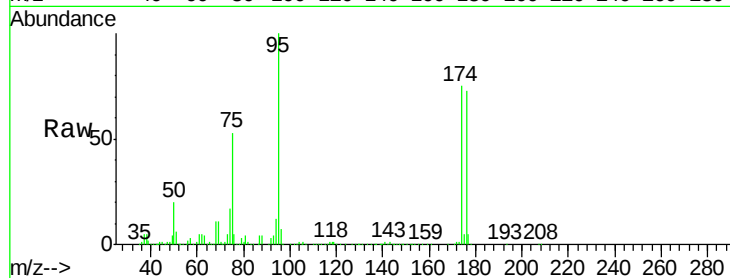
Tot Ion: 95 Resp: 215093

Ion Ratio Lower Upper

95 100

174 73.9 0.0 149.6

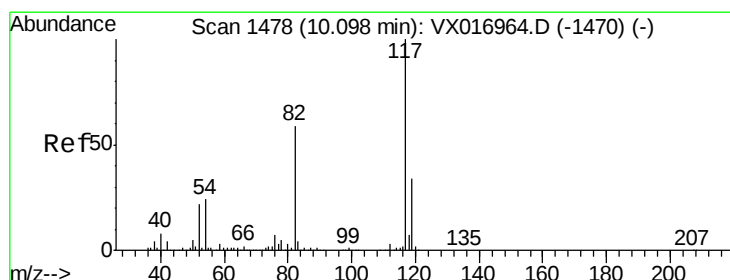
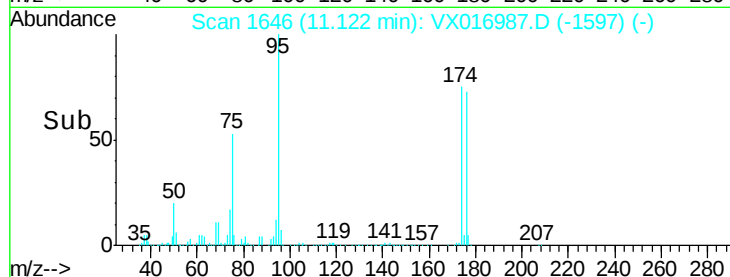
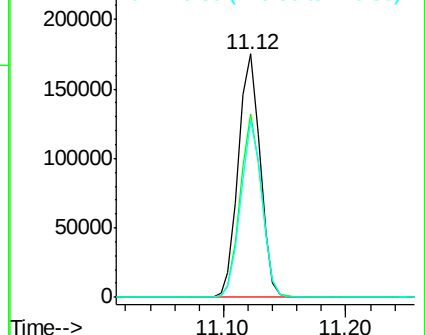
176 70.7 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

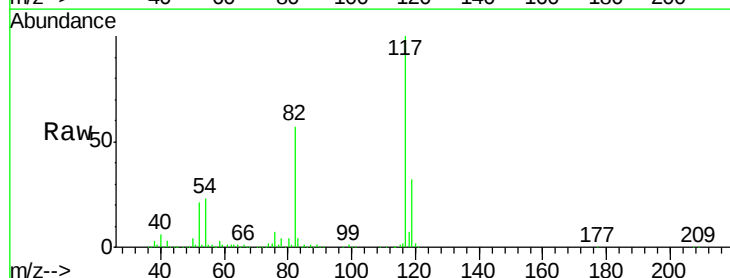
Tgt Ion: 117 Resp: 415068

Ion Ratio Lower Upper

117 100

82 57.3 46.8 70.2

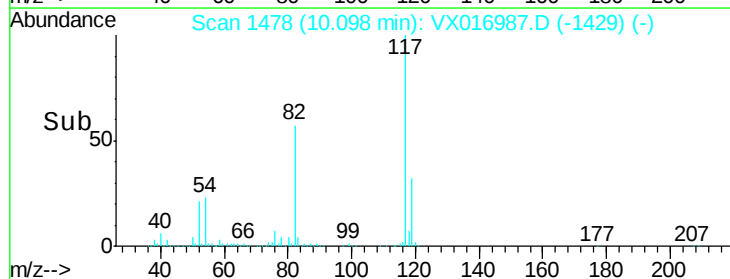
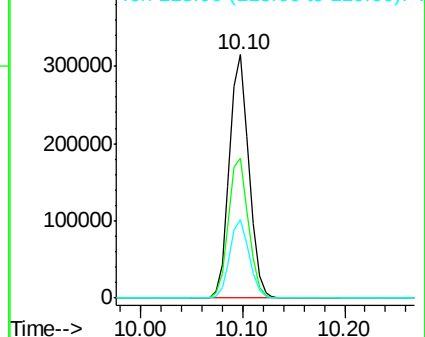
119 32.2 27.3 40.9

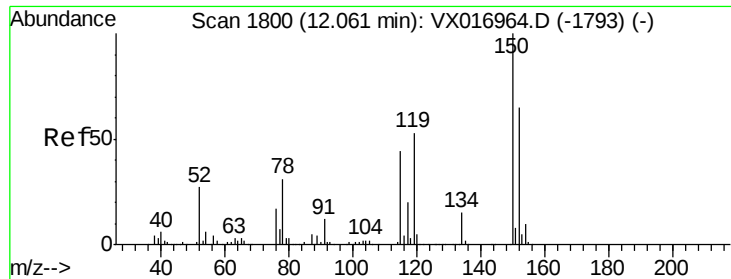


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

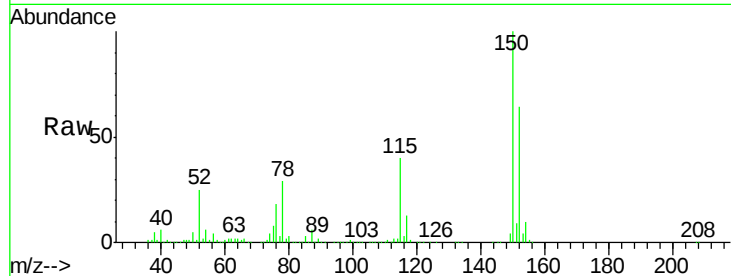
Tot Ion:152 Resp: 211274

Ion Ratio Lower Upper

152 100

115 61.6 42.8 128.4

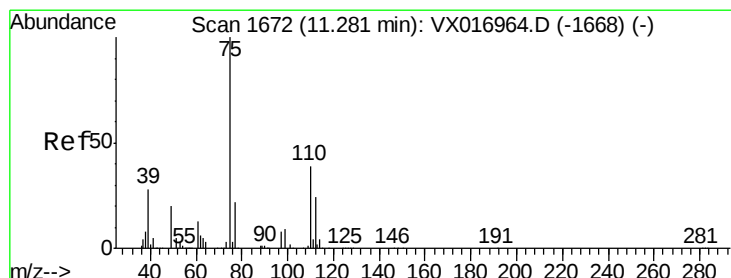
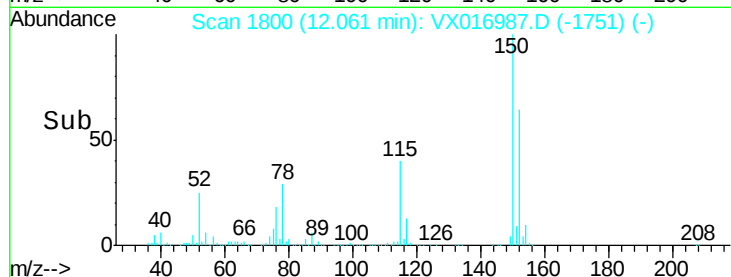
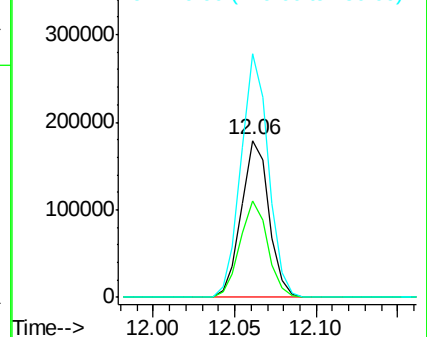
150 154.4 0.0 347.8



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: 25.818 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016987.D

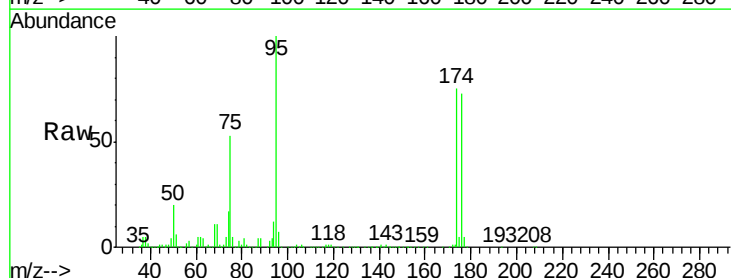
Acq: 26 Jun 2020 16:38

Tgt Ion: 75 Resp: 114470

Ion Ratio Lower Upper

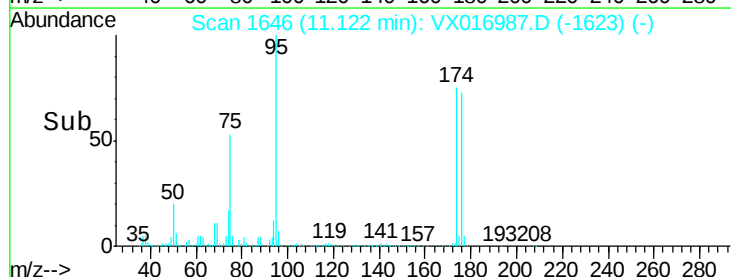
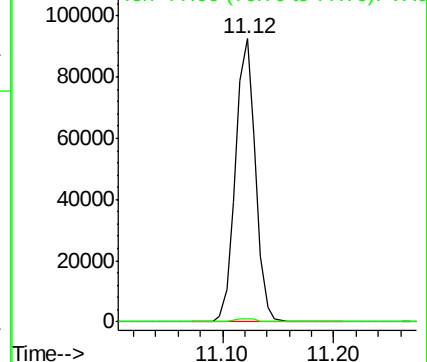
75 100

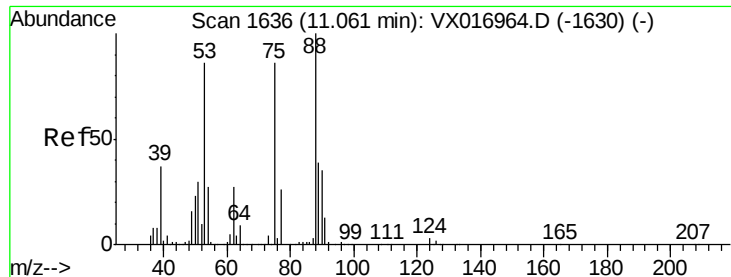
77 1.3 20.3 61.0#



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: 65.547 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016987.D

Acq: 26 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 114470

Ion Ratio Lower Upper

75 100

53 0.4 81.9 122.9#

89 0.0 35.5 53.3#

