

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003031.D
 Acq On : 29 Jun 2018 16:18
 Operator : JC/MD
 Sample : J3694-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 29 23:28:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378398	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	193988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	179091	46.06	ug/l	0.00
Spiked Amount			Recovery	=	92.12%	
35) Dibromofluoromethane	5.51	113	148181	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	8.72	98	519488	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	184833	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

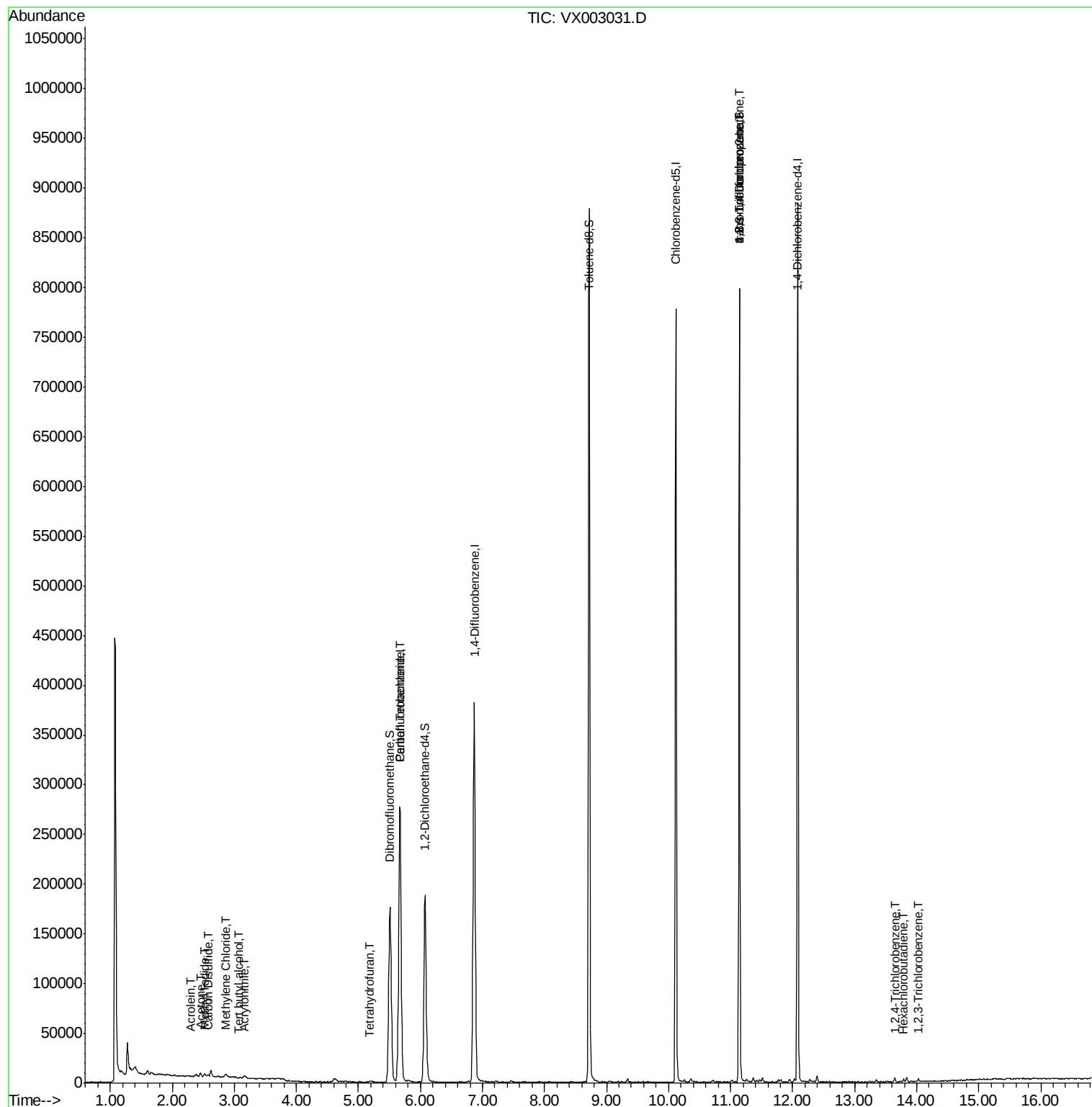
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	341	Below Cal		82
3) Chloromethane	1.32	50	1173	Below Cal	#	86
5) Bromomethane	1.65	94	1434	Below Cal		94
6) Chloroethane	1.71	64	186	Below Cal	#	46
10) Methyl Iodide	2.52	142	2861	7.02	ug/l	# 97
11) Tert butyl alcohol	3.07	59	394	0.51	ug/l	# 30
13) Acrolein	2.31	56	141	4.55	ug/l	# 45
15) Acrylonitrile	3.16	53	720	0.44	ug/l	# 78
16) Acetone	2.45	43	4346	2.70	ug/l	95
17) Carbon Disulfide	2.57	76	2701	0.37	ug/l	98
20) Methylene Chloride	2.86	84	1576	0.50	ug/l	# 84
29) Tetrahydrofuran	5.17	42	411	0.27	ug/l	# 88
38) Carbon Tetrachloride	5.67	117	24641	5.41	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	94752	26.97	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	94752	76.34	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.65	180	1113	0.22	ug/l	92
94) Hexachlorobutadiene	13.78	225	561	0.23	ug/l	93
96) 1,2,3-Trichlorobenzene	14.02	180	1091	0.22	ug/l	86

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

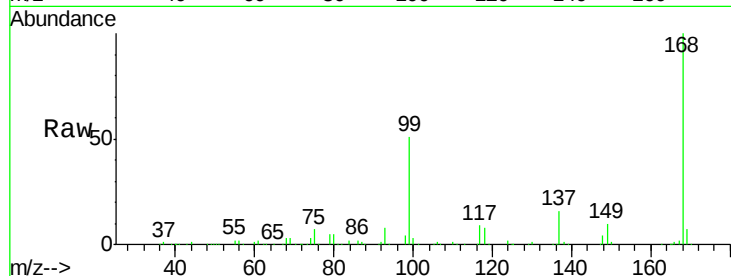
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 281289

Ion Ratio Lower Upper

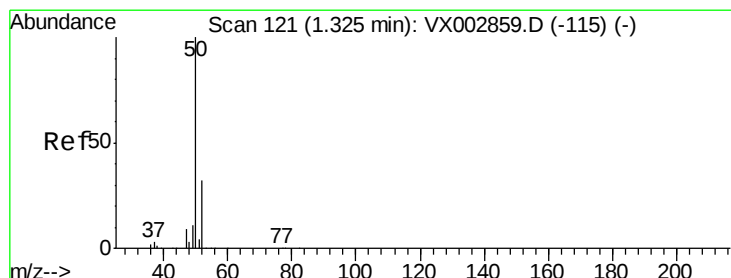
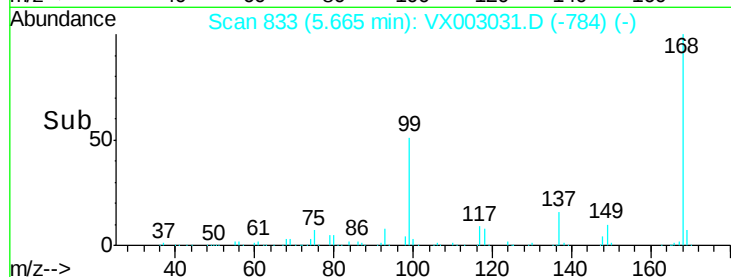
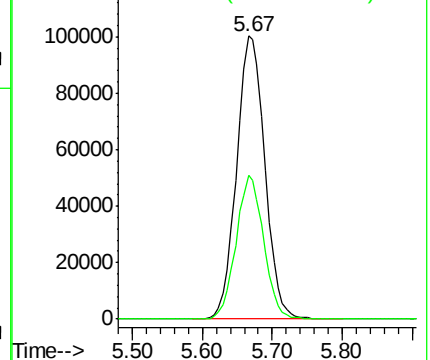
168 100

99 50.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003031.D

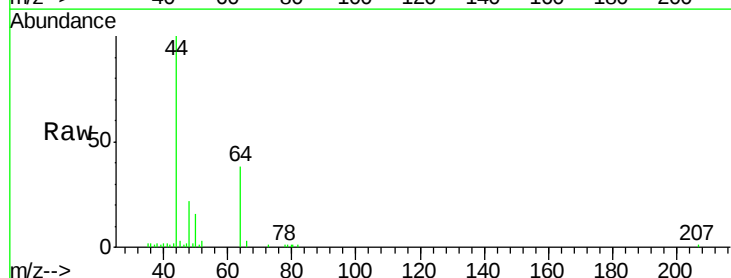
Acq: 29 Jun 2018 16:18

Tgt Ion: 50 Resp: 1173

Ion Ratio Lower Upper

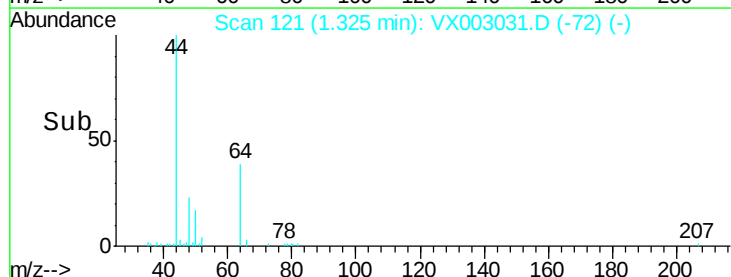
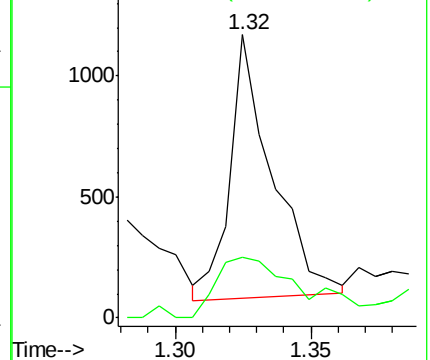
50 100

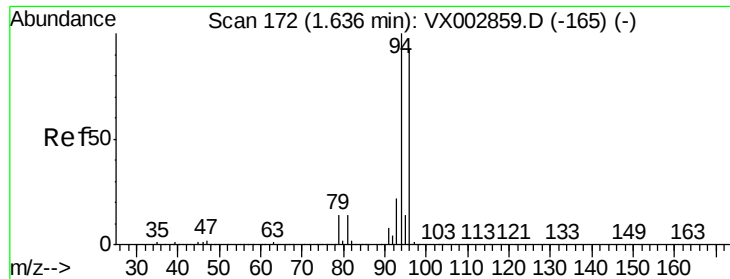
52 24.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

Instrument :

MSVOA_X

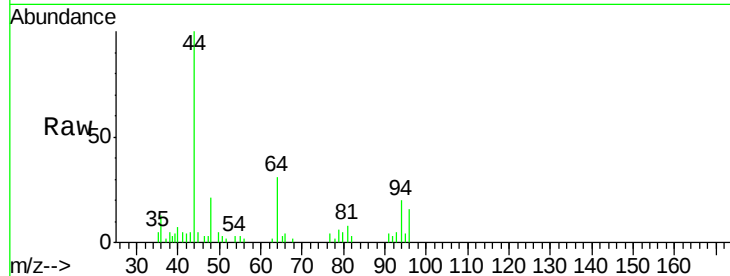
ClientSampleId :

Tot Ion: 94 Resp: 1434

Ion Ratio Lower Upper

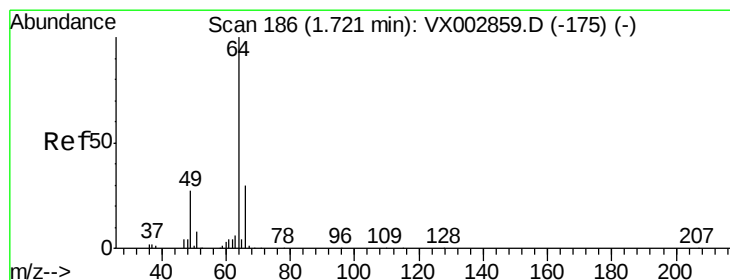
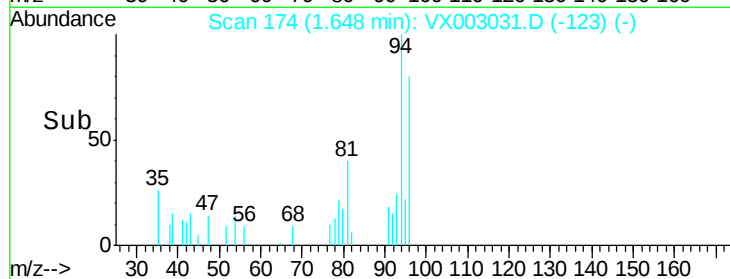
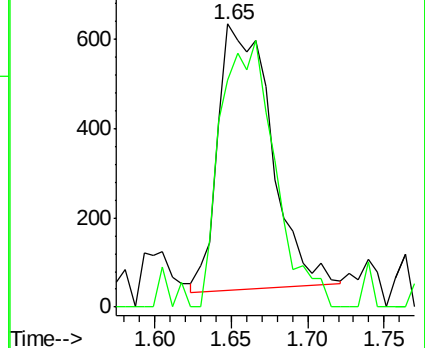
94 100

96 87.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003031.D

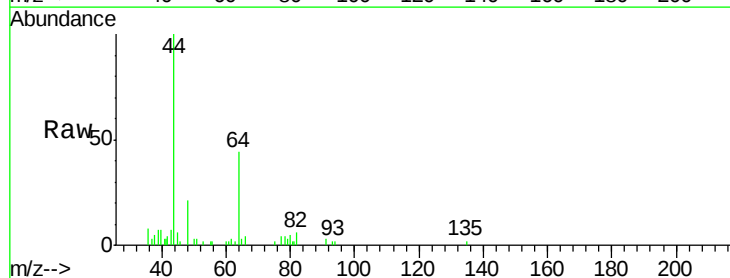
Acq: 29 Jun 2018 16:18

Tgt Ion: 64 Resp: 186

Ion Ratio Lower Upper

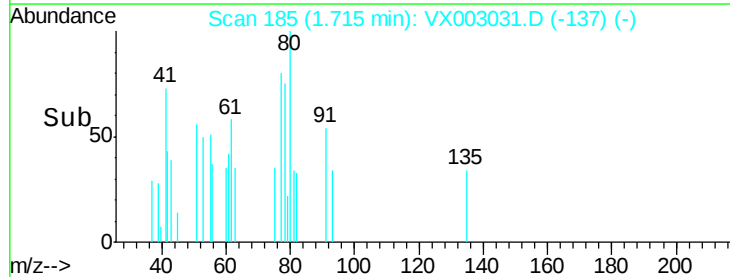
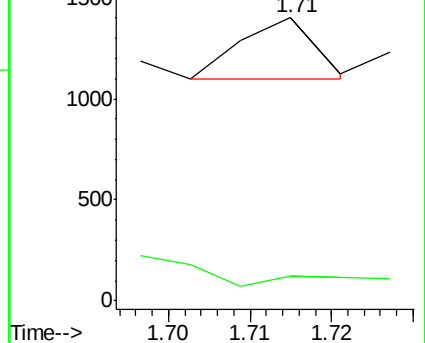
64 100

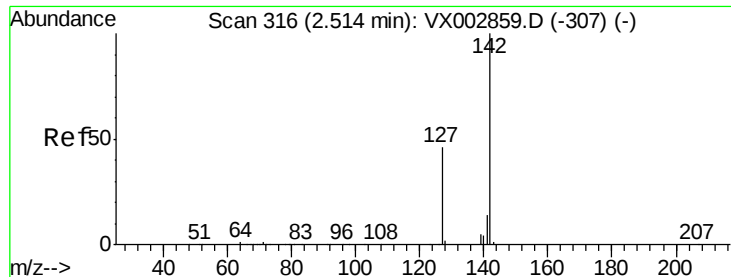
66 2.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

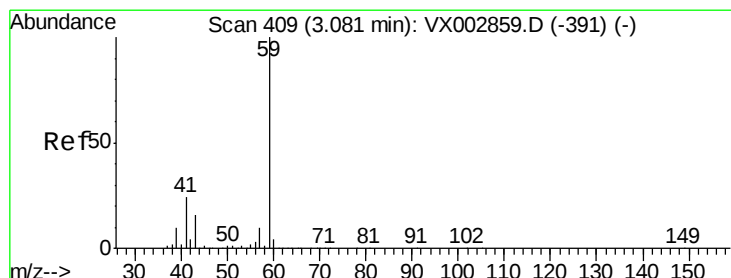
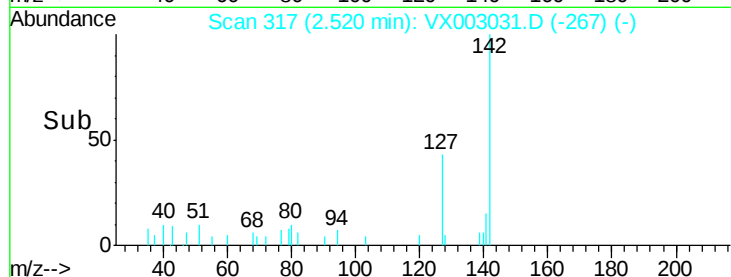
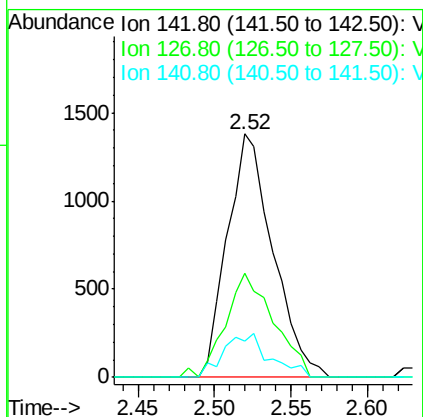
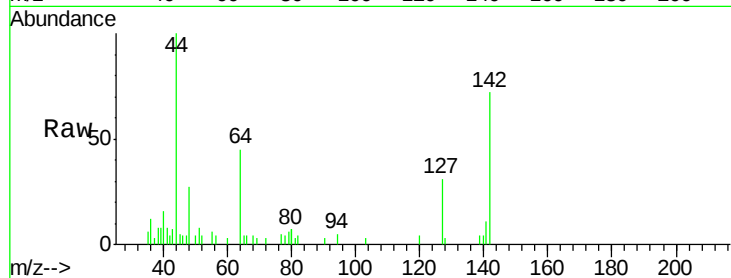




#10
Methyl Iodide
Concen: 7.02 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

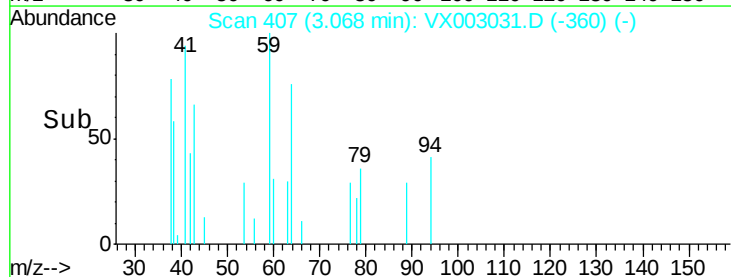
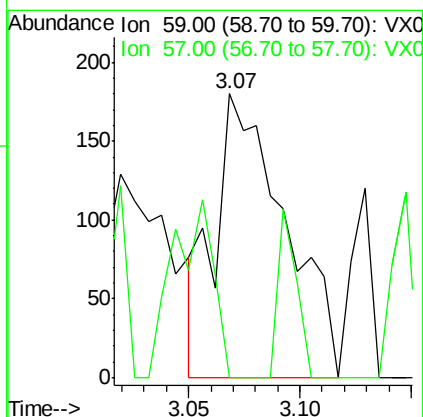
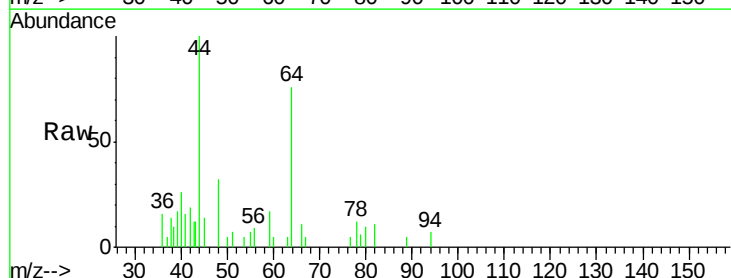
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 2861
Ion Ratio Lower Upper
142 100
127 45.3 36.6 55.0
141 18.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 36.3 8.2 12.2#





#13

Acrolein

Concen: 4.55 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

Instrument :

MSVOA_X

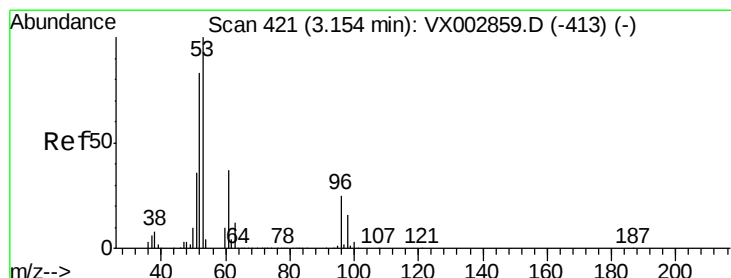
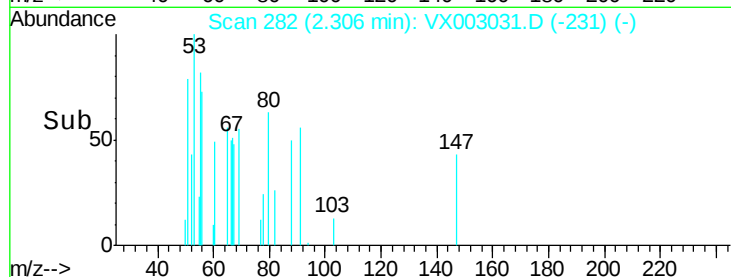
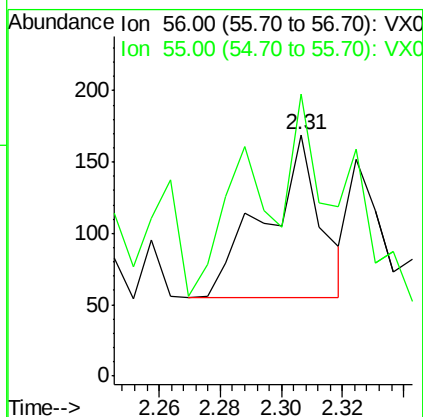
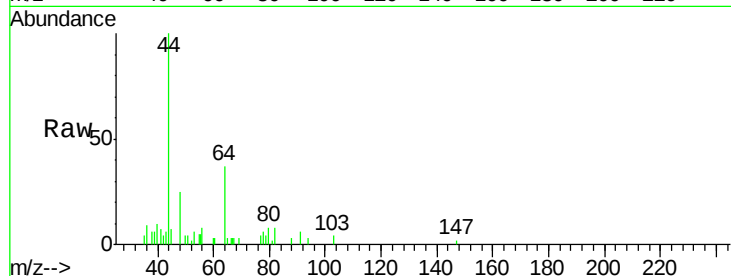
ClientSampled :

Tot Ion: 56 Resp: 141

Ion Ratio Lower Upper

56 100

55 117.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

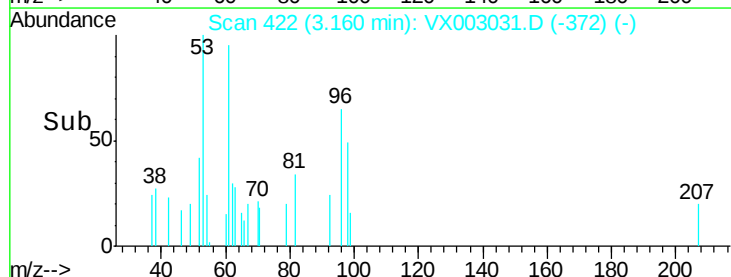
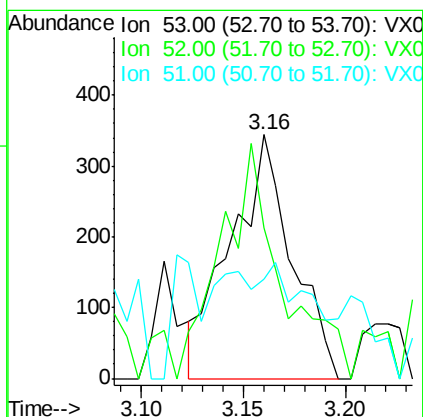
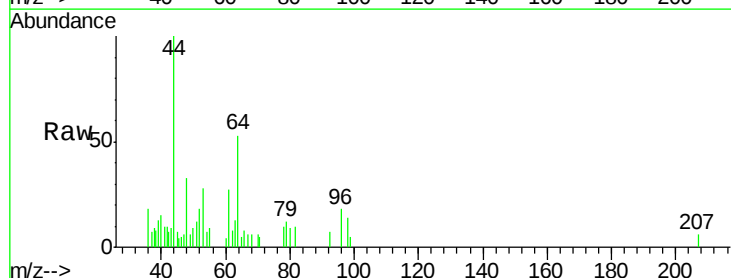
Tgt Ion: 53 Resp: 720

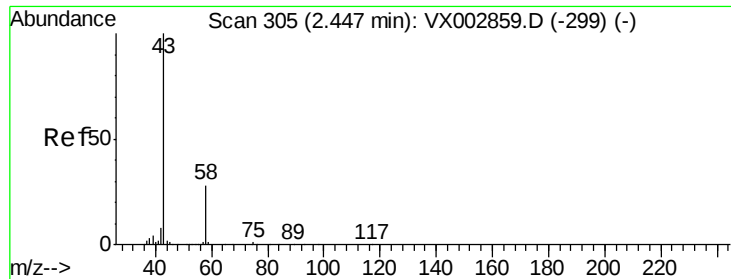
Ion Ratio Lower Upper

53 100

52 94.6 66.7 100.1

51 11.8 29.9 44.9#

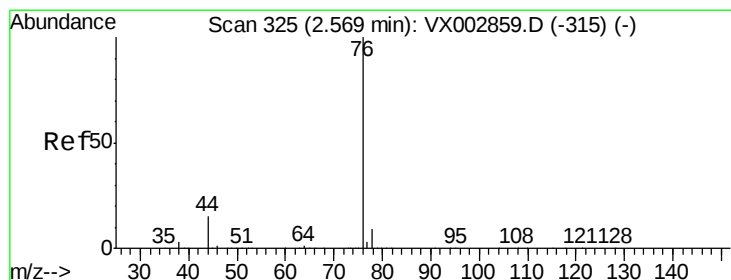
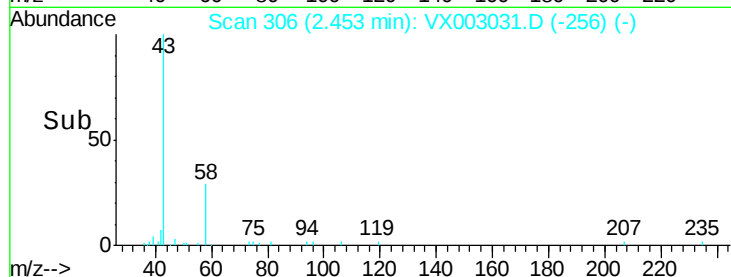
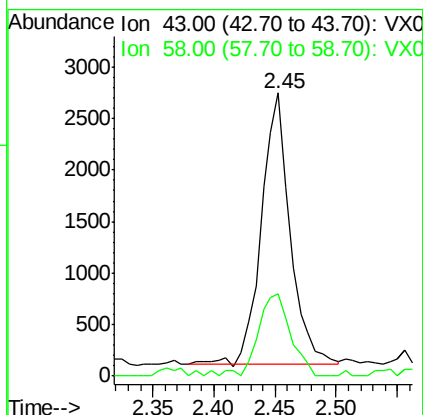
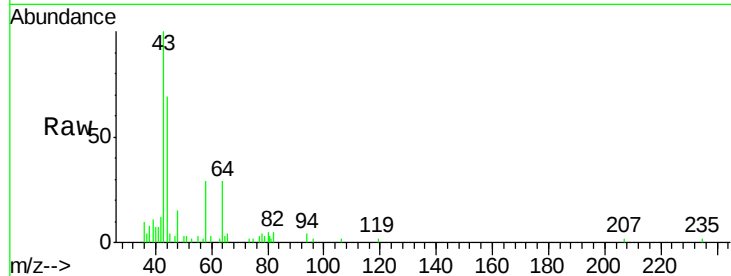




#16
Acetone
Concen: 2.70 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

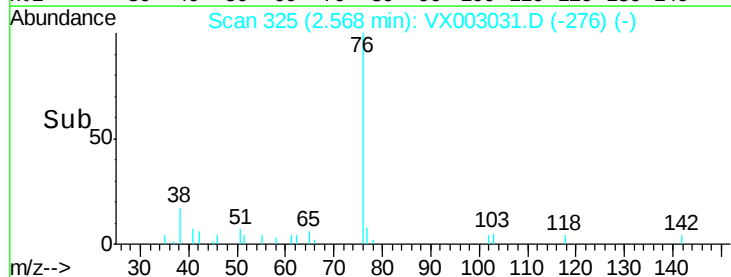
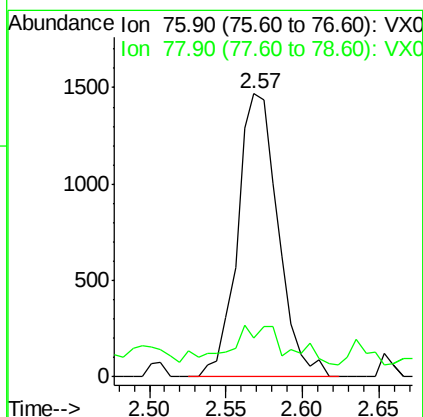
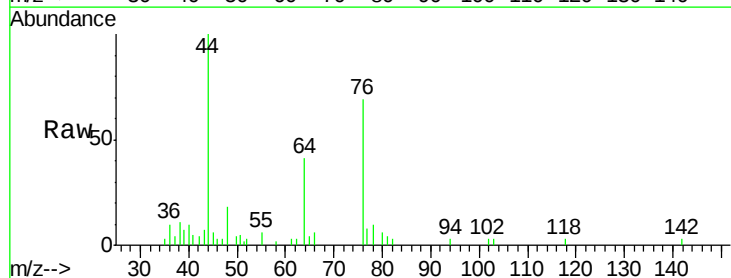
Instrument :
MSVOA_X
ClientSampled :

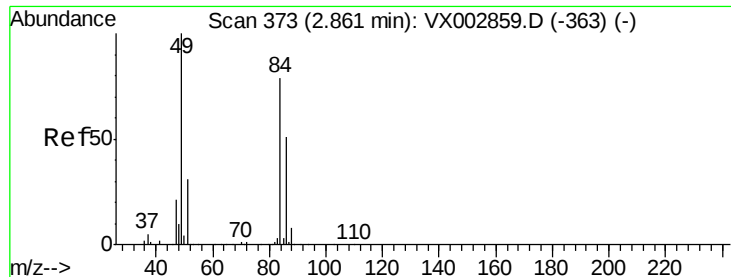
Tot Ion: 43 Resp: 4346
Ion Ratio Lower Upper
43 100
58 30.4 22.1 33.1



#17
Carbon Disulfide
Concen: 0.37 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

Tgt Ion: 76 Resp: 2701
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3





#20

Methvlene Chloride

Concen: 0.50 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 84 Resp: 1576

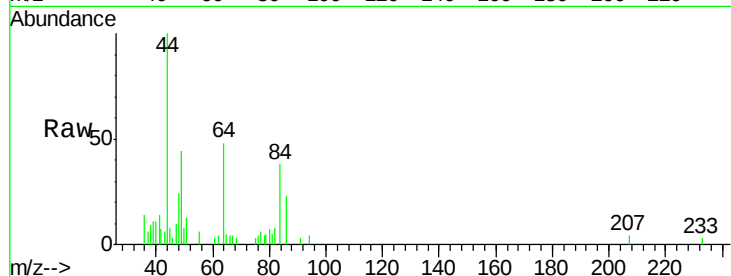
Ion Ratio Lower Upper

84 100

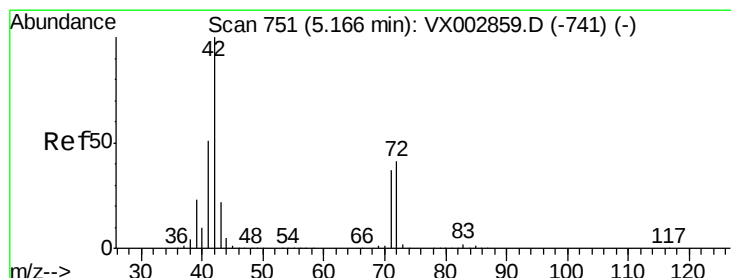
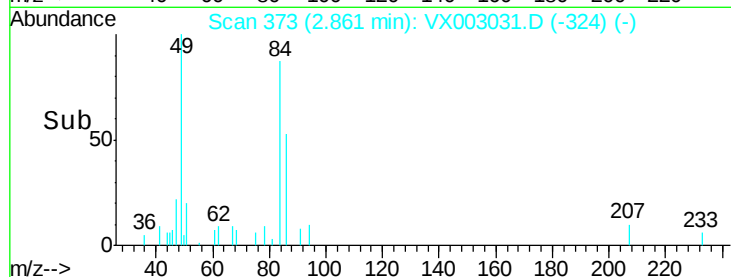
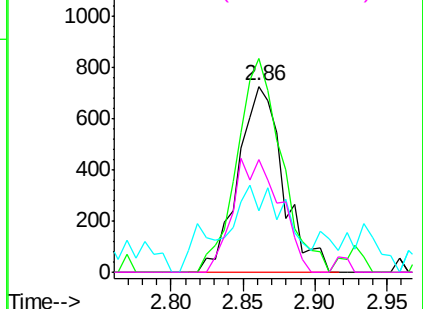
49 114.9 107.8 161.6

51 21.3 32.8 49.2#

86 60.7 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

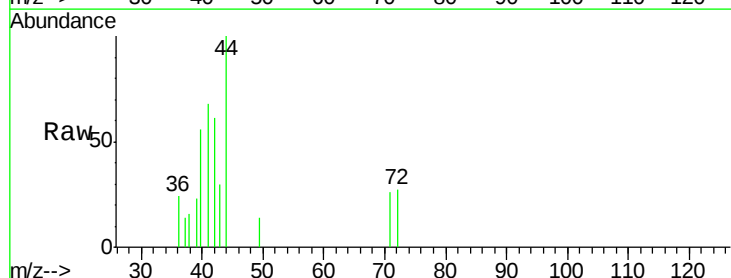
Tgt Ion: 42 Resp: 411

Ion Ratio Lower Upper

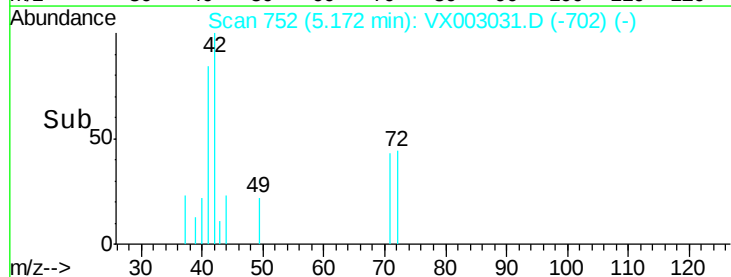
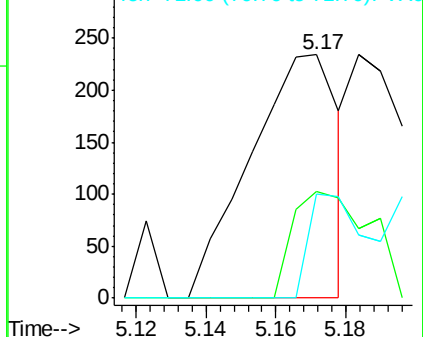
42 100

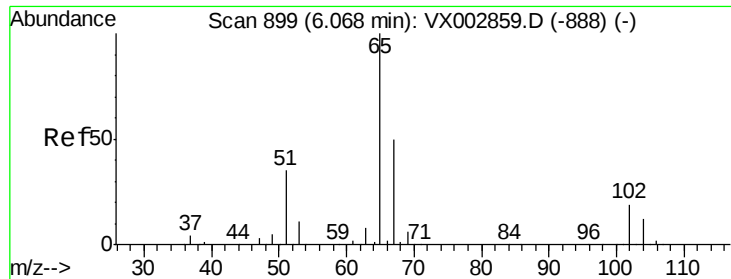
72 45.0 32.0 48.0

71 28.0 30.1 45.1#



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





#33

1,2-Dichloroethane-d4

Concen: 46.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

Instrument :

MSVOA_X

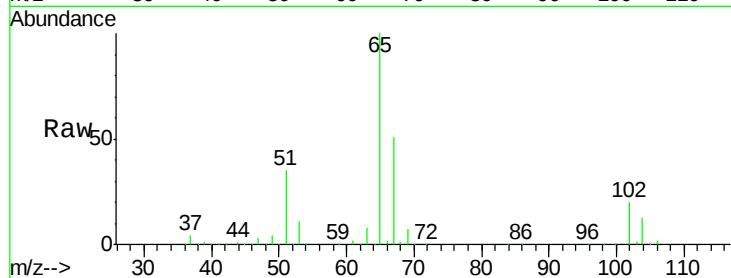
ClientSampleId :

Tot Ion: 65 Resp: 179091

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

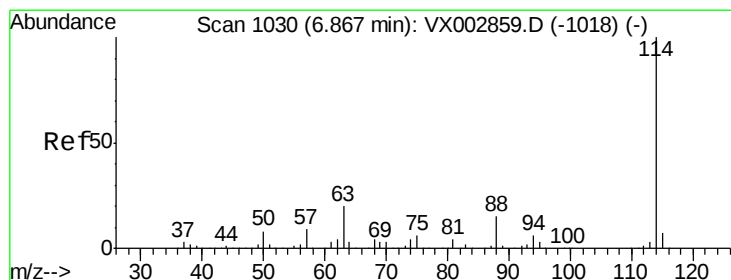
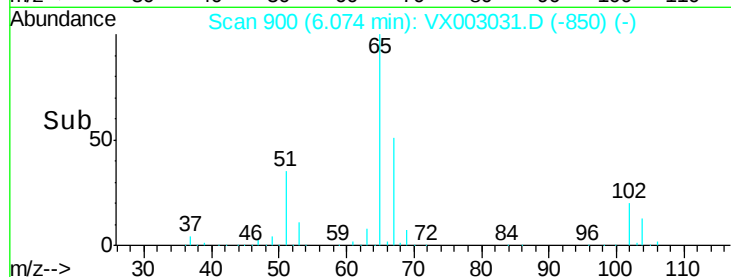
40000

20000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

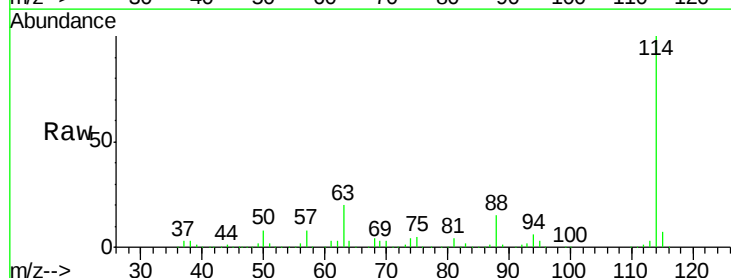
Tgt Ion: 114 Resp: 378398

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.5 0.0 30.0



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

200000

150000

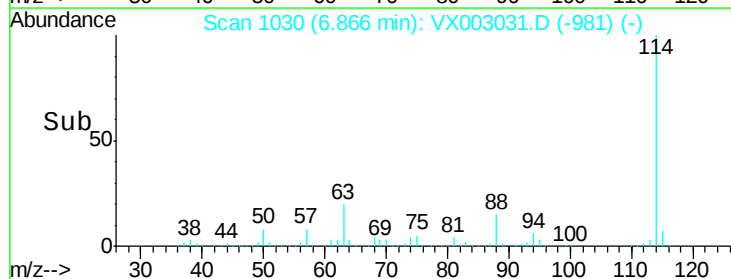
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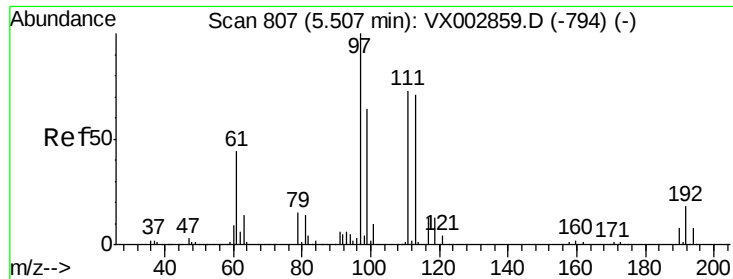
50000

0

Time-->

6.80 6.90 7.00

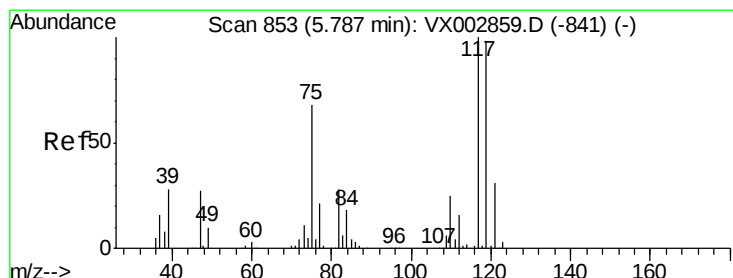
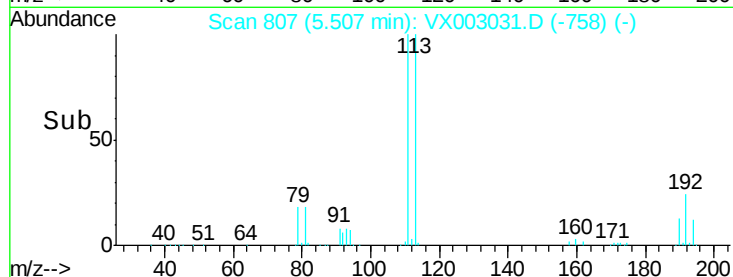
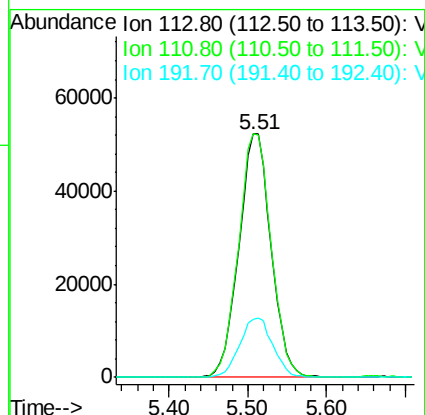
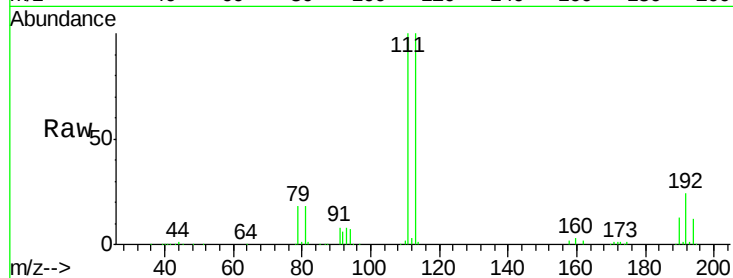




#35
 Dibromofluoromethane
 Concen: 49.45 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003031.D
 Acq: 29 Jun 2018 16:18

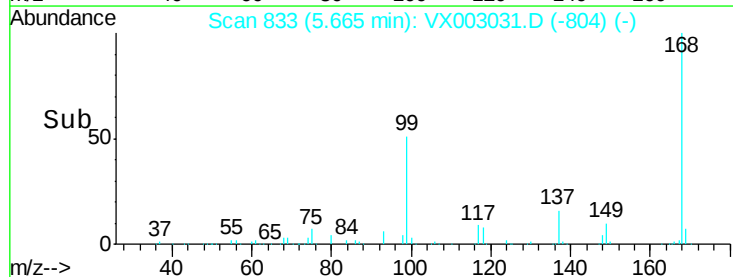
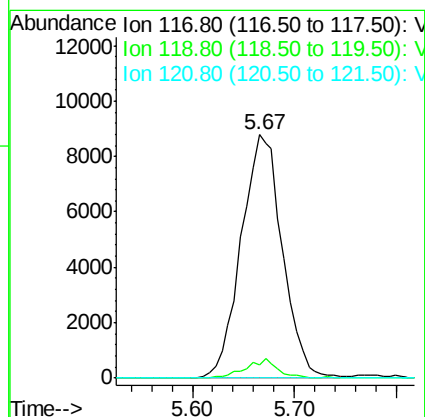
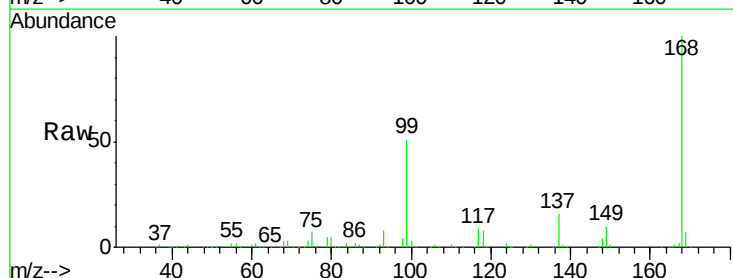
Instrument :
 MSVOA_X
 ClientSampleId :

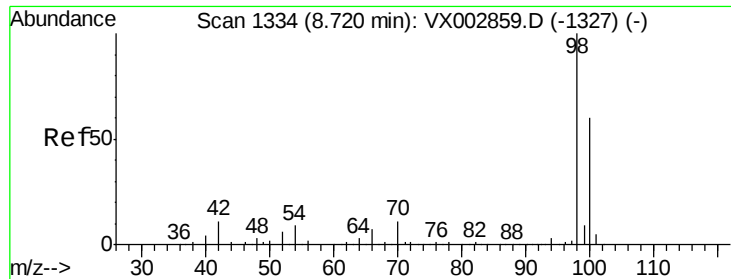
Tot Ion:113 Resp: 148181
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 25.0 19.1 28.7



#38
 Carbon Tetrachloride
 Concen: 5.41 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX003031.D
 Acq: 29 Jun 2018 16:18

Tgt Ion:117 Resp: 24641
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.0#
 121 0.0 24.4 36.6#

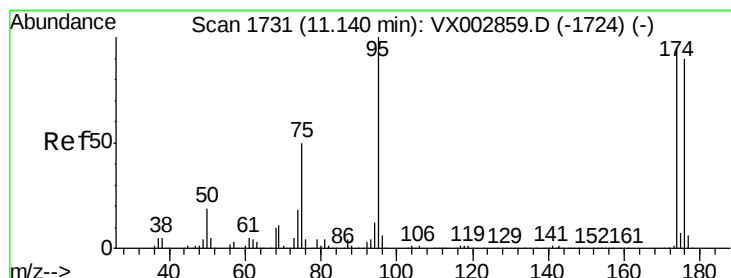
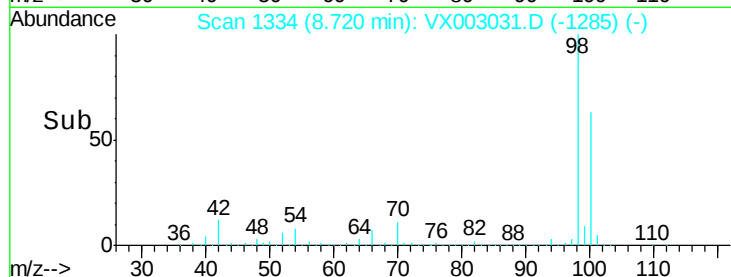
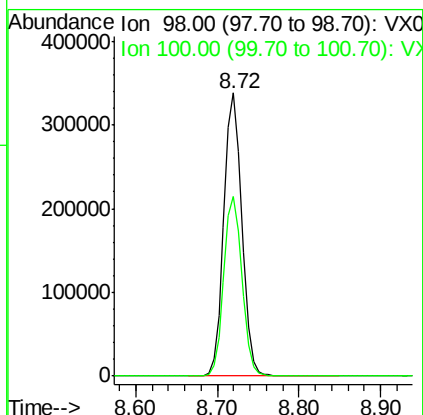
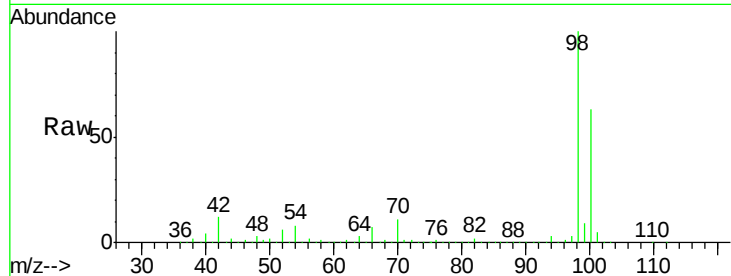




#50
Toluene-d8
Concen: 47.47 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

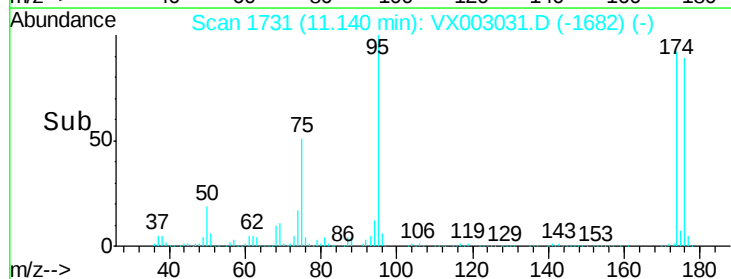
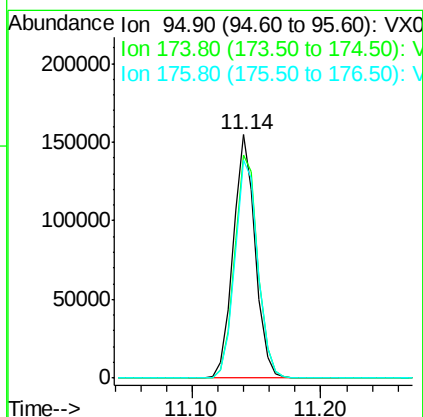
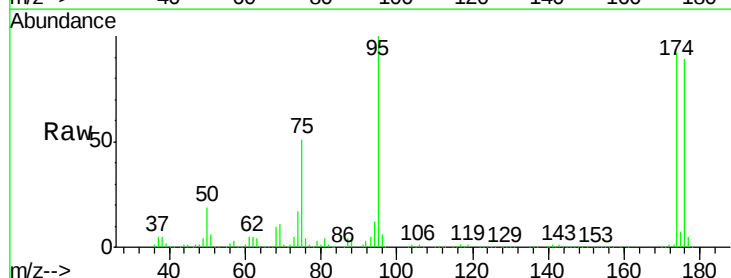
Instrument :
MSVOA_X
ClientSampleId :

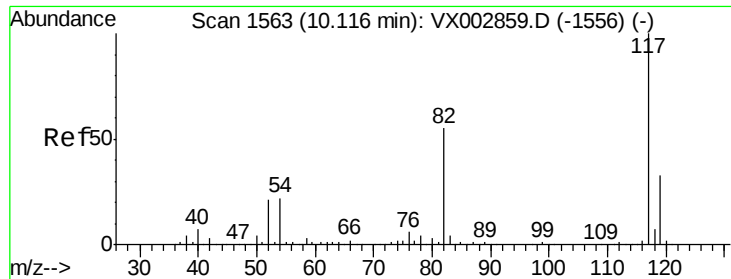
Tot Ion: 98 Resp: 519488
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.80 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

Tgt Ion: 95 Resp: 184833
Ion Ratio Lower Upper
95 100
174 96.1 0.0 187.4
176 93.5 0.0 181.0

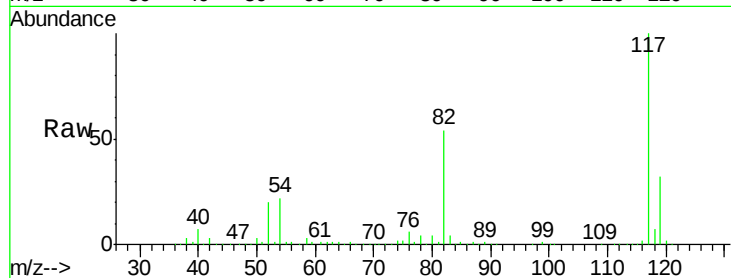




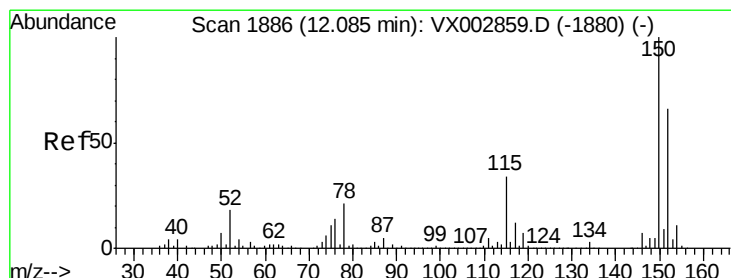
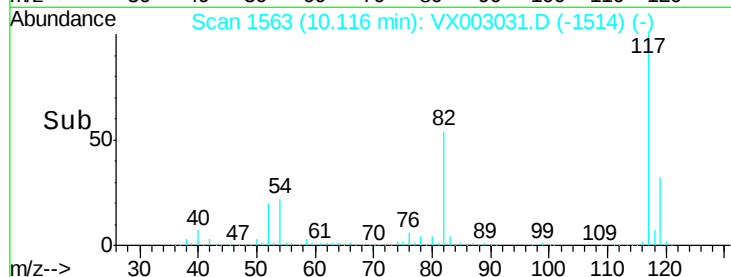
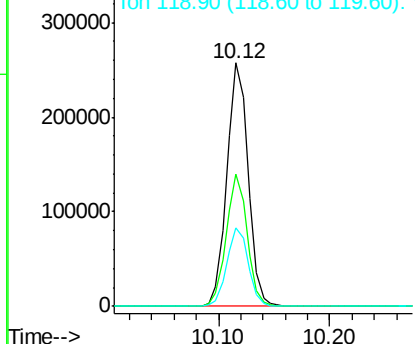
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 340218
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.2 25.8 38.6

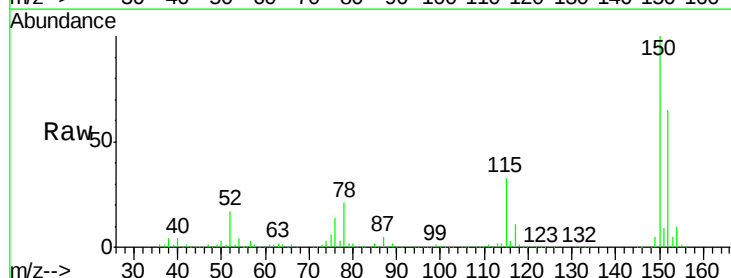


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

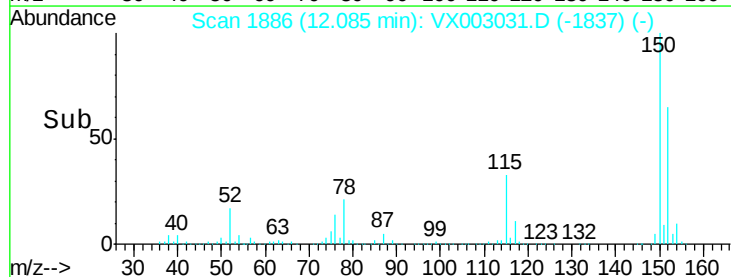
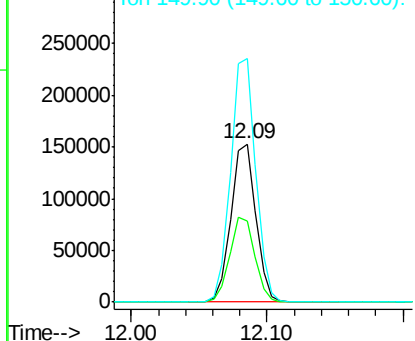


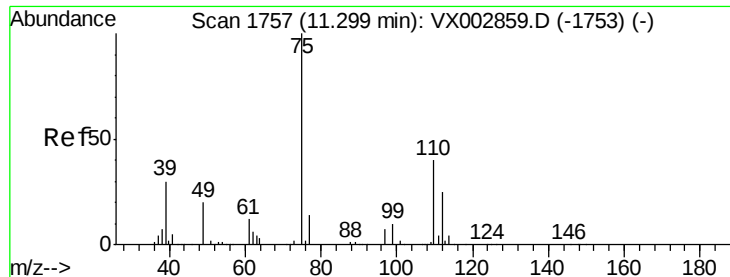
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX003031.D
Acq: 29 Jun 2018 16:18

Tgt Ion:152 Resp: 193988
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 155.5 0.0 347.2



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





#76

1,2,3-Trichloropropane

Concen: 26.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

Instrument :

MSVOA_X

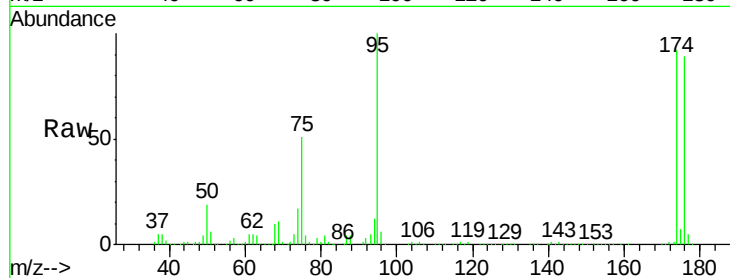
ClientSampleId :

Tot Ion: 75 Resp: 94752

Ion Ratio Lower Upper

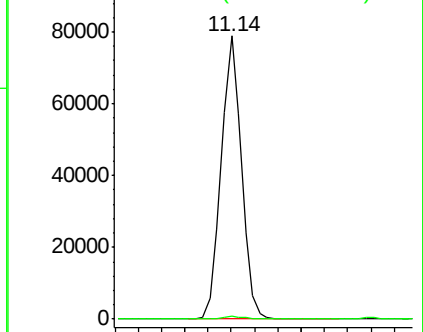
75 100

77 1.3 22.8 68.3#

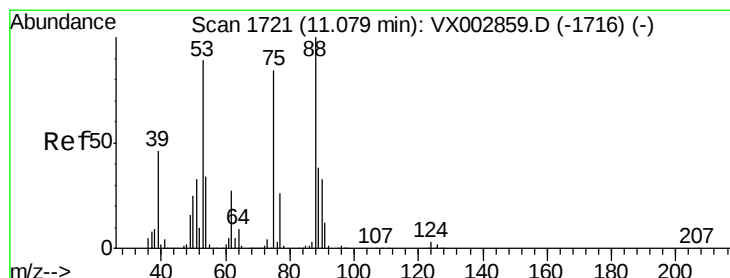
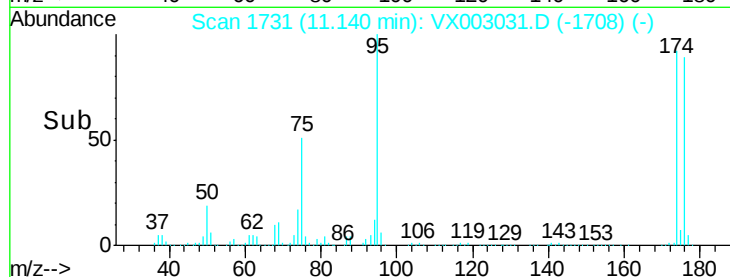


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 76.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003031.D

Acq: 29 Jun 2018 16:18

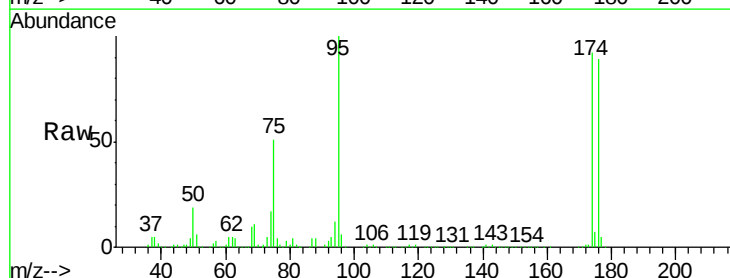
Tgt Ion: 75 Resp: 94752

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

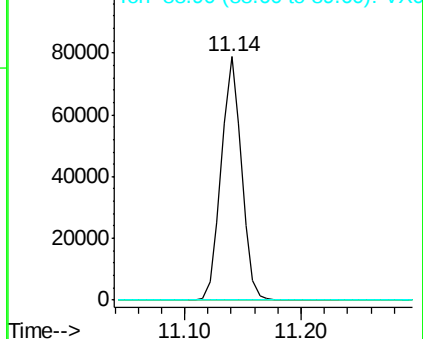
89 0.0 38.2 57.2#



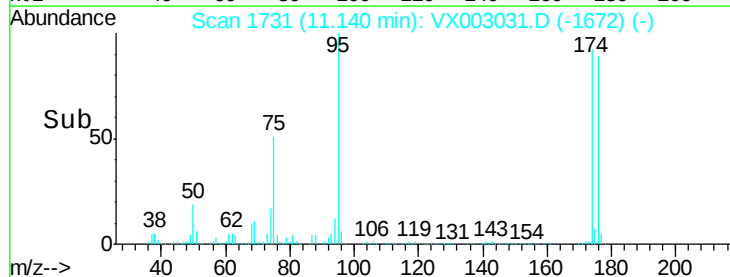
Abundance Ion 74.90 (74.60 to 75.60): VX0

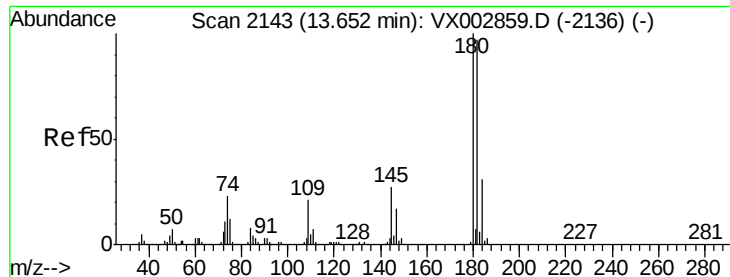
Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



Time-->

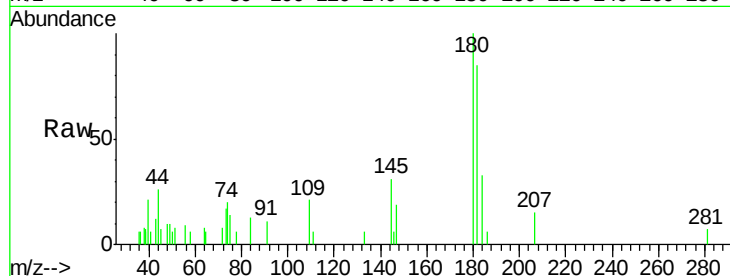




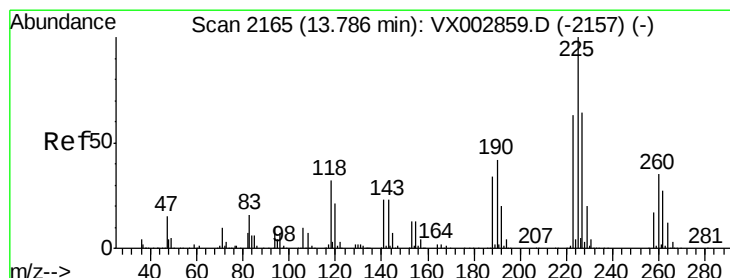
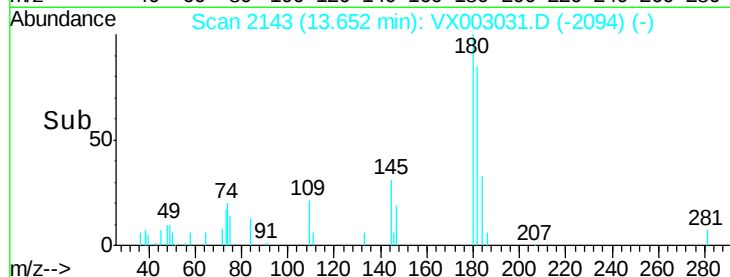
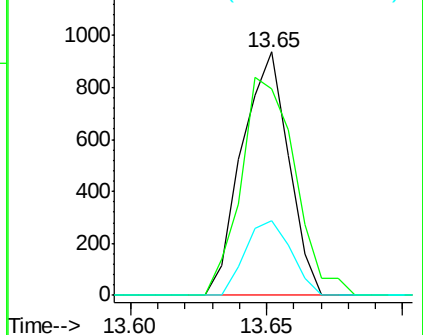
#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003031.D
 Acq: 29 Jun 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:180 Resp: 1113
 Ion Ratio Lower Upper
 180 100
 182 104.1 47.7 143.1
 145 30.2 14.1 42.4

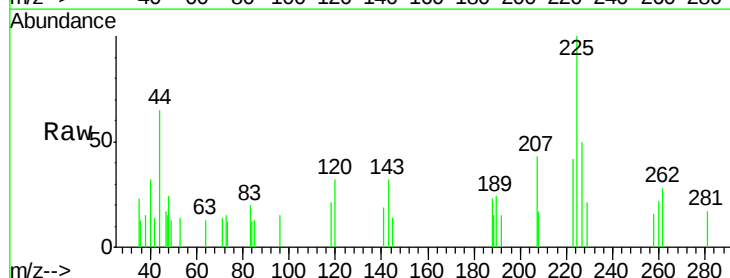


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

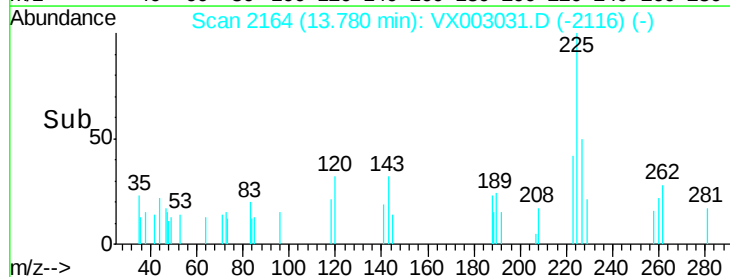
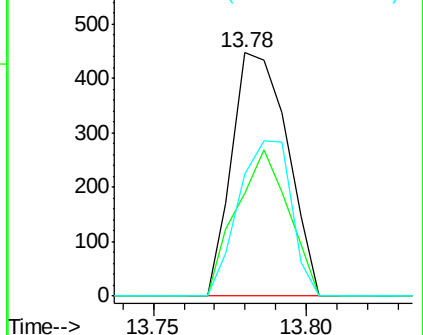


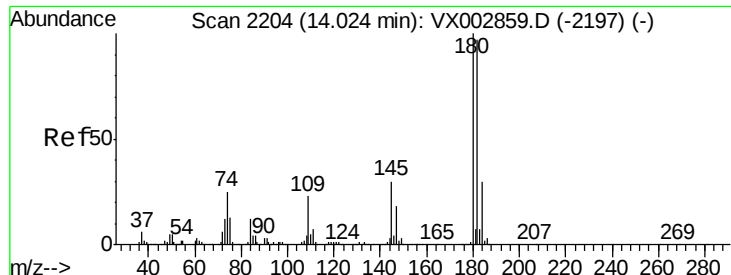
#94
 Hexachlorobutadiene
 Concen: 0.23 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003031.D
 Acq: 29 Jun 2018 16:18

Tgt Ion:225 Resp: 561
 Ion Ratio Lower Upper
 225 100
 223 56.5 31.6 95.0
 227 61.0 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

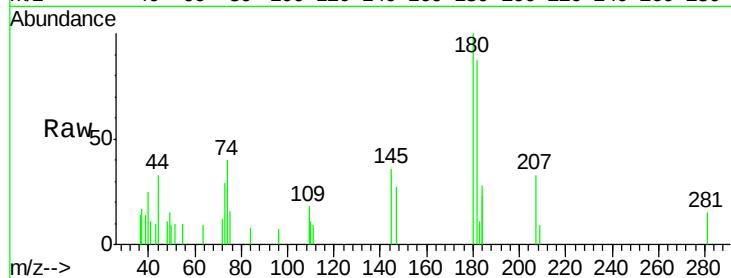




#96
 1,2,3-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX003031.D
 Acq: 29 Jun 2018 16:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.9	48.0	144.0
145	29.6	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

