

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010283.D
 Acq On : 13 Jun 2019 19:19
 Operator : JC/SP
 Sample : K3309-01DL 1000X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 14 03:37:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	328148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	497981	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	450417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	146881	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	5.50	113	151177	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.71	98	582004	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	198938	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

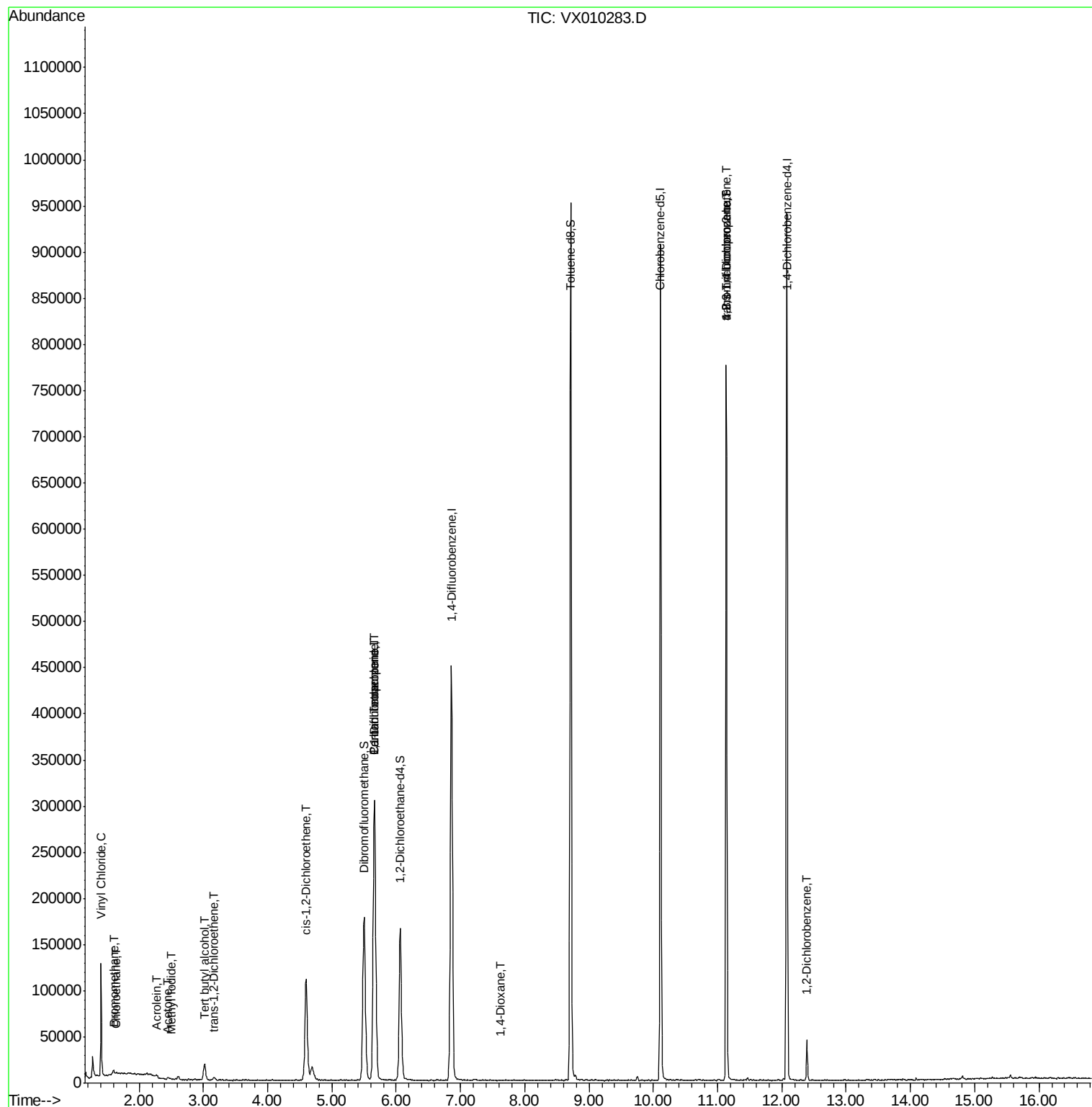
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	80068	28.410	ug/l	96
5) Bromomethane	1.62	94	240	0.226	ug/l #	49
6) Chloroethane	1.63	64	3805	2.678	ug/l #	59
10) Methyl Iodide	2.51	142	916	0.205	ug/l #	91
11) Tert butyl alcohol	3.02	59	9711	12.376	ug/l #	73
13) Acrolein	2.26	56	86	0.601	ug/l #	14
16) Acetone	2.45	43	1951	1.295	ug/l #	79
21) trans-1,2-Dichloroethene	3.16	96	1380	0.423	ug/l #	58
27) cis-1,2-Dichloroethene	4.60	96	78365	21.596	ug/l	69
36) 1,1-Dichloropropene	5.67	75	19981	4.918	ug/l #	51
38) Carbon Tetrachloride	5.66	117	28787	6.260	ug/l #	15
49) 1,4-Dioxane	7.62	88	19	0.202	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	91409	21.544	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	91409	47.600	ug/l #	10
91) 1,2-Dichlorobenzene	12.39	146	14601	2.094	ug/l	94

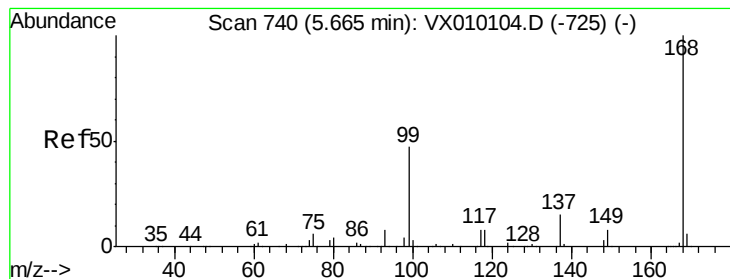
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

Instrument :

MSVOA_X

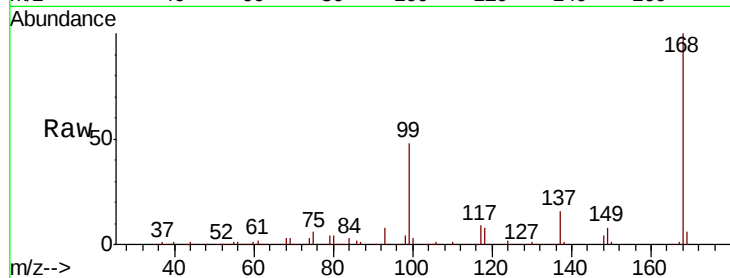
ClientSampled :

Tot Ion:168 Resp: 328148

Ion Ratio Lower Upper

168 100

99 48.3 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

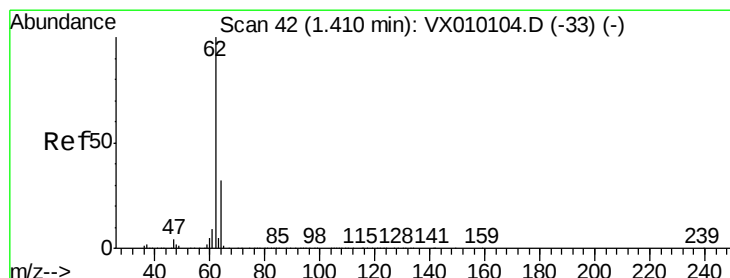
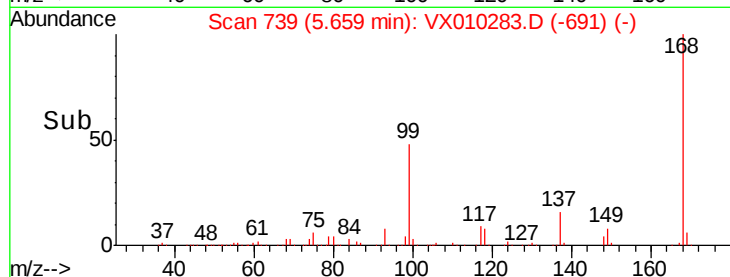
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 28.410 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010283.D

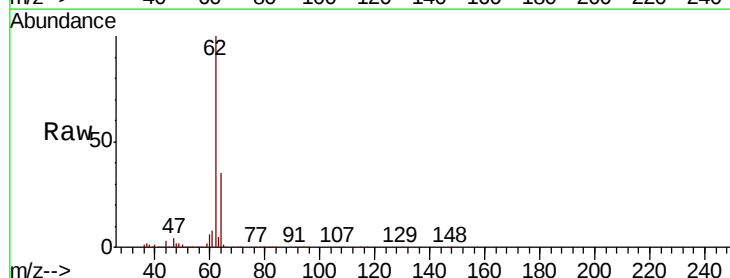
Acq: 13 Jun 2019 19:19

Tgt Ion: 62 Resp: 80068

Ion Ratio Lower Upper

62 100

64 34.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

80000

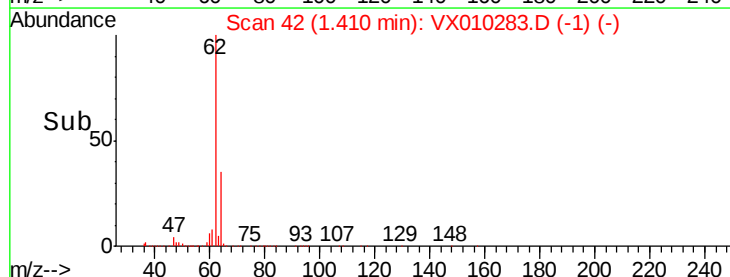
60000

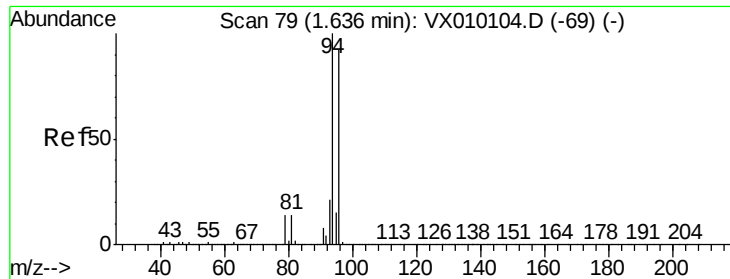
40000

20000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 0.226 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

Instrument :

MSVOA_X

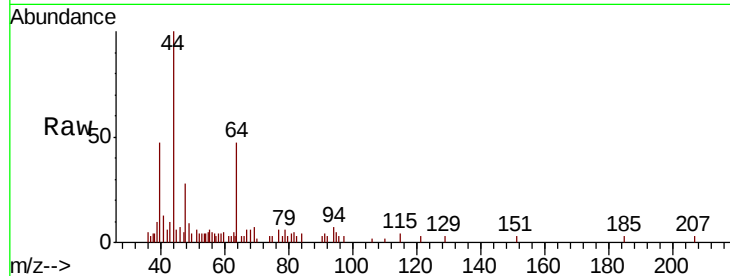
ClientSampleId :

Tot Ion: 94 Resp: 240

Ion Ratio Lower Upper

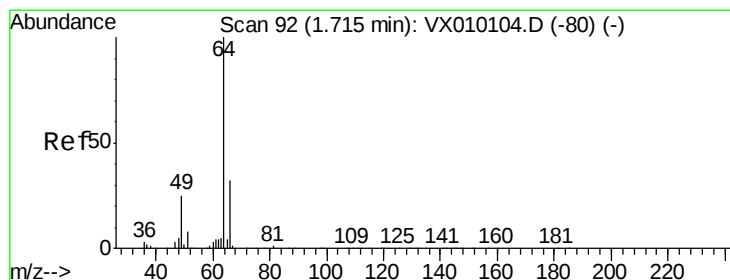
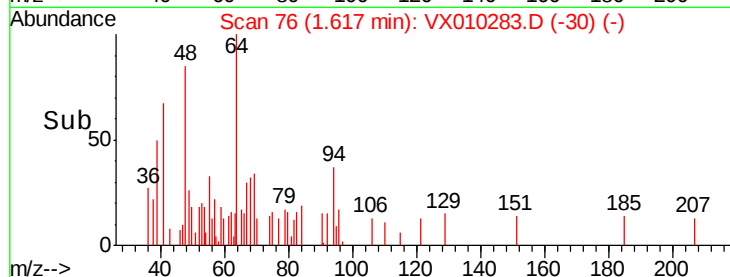
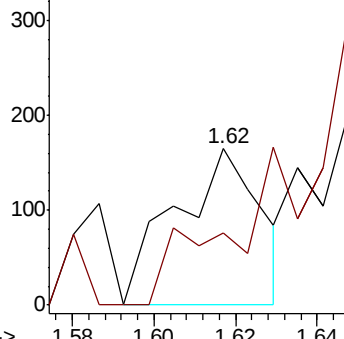
94 100

96 46.1 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.678 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.08 min

Lab File: VX010283.D

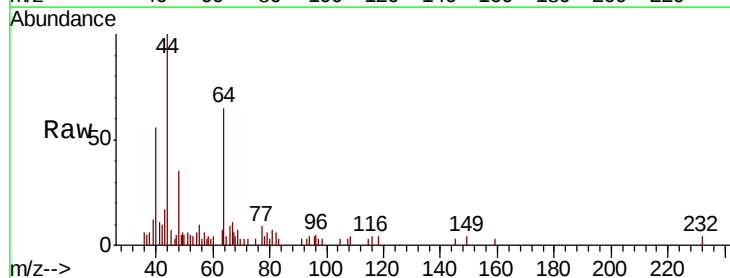
Acq: 13 Jun 2019 19:19

Tgt Ion: 64 Resp: 3805

Ion Ratio Lower Upper

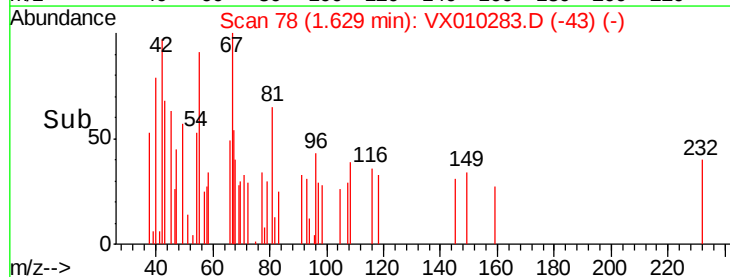
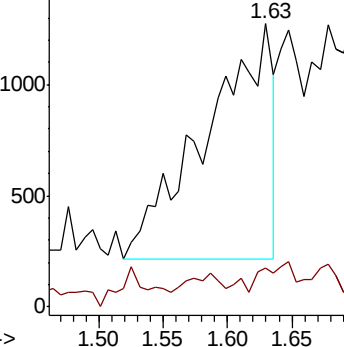
64 100

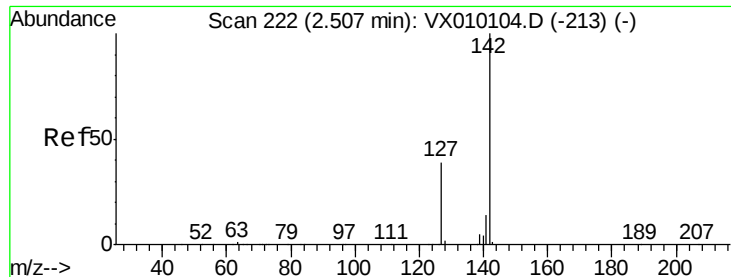
66 8.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

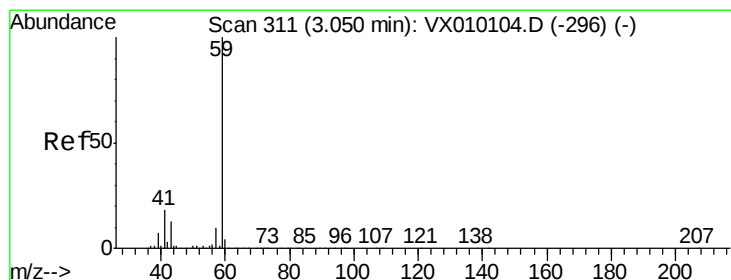
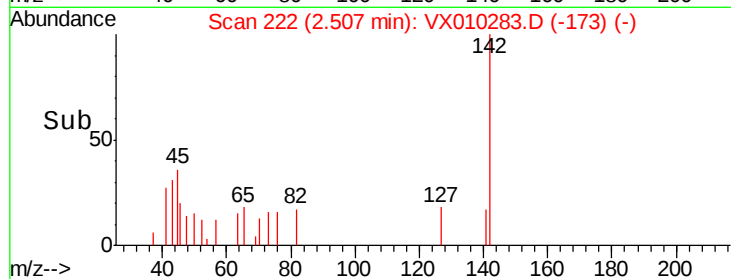
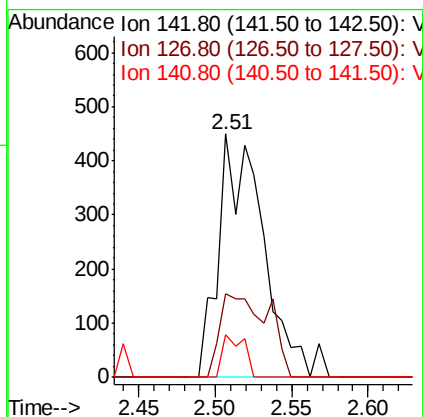
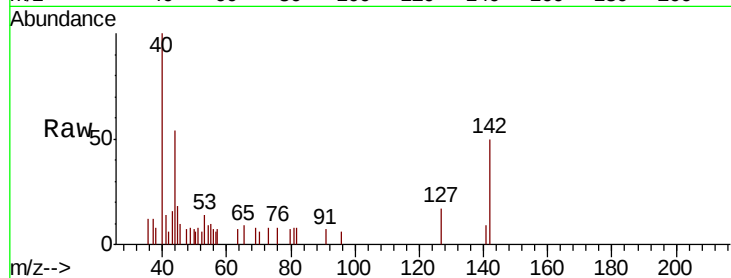




#10
Methvl Iodide
Concen: 0.205 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

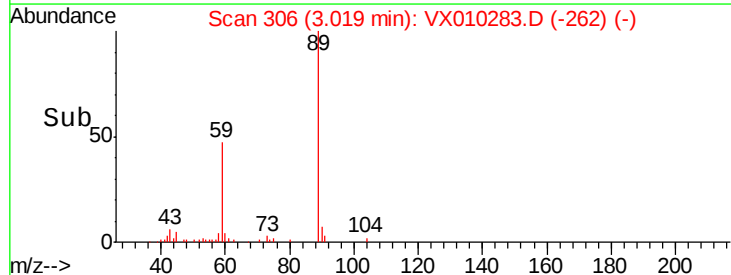
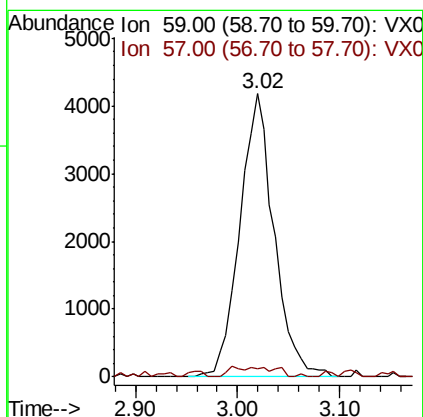
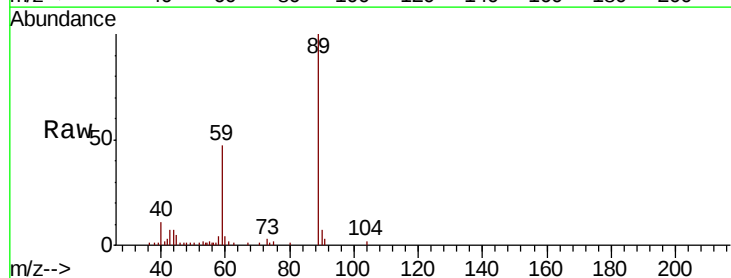
Instrument :
MSVOA_X
ClientSampleId :

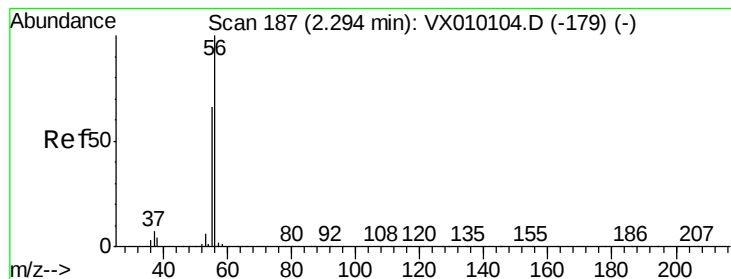
Tot Ion:142 Resp: 916
Ion Ratio Lower Upper
142 100
127 36.6 33.0 49.4
141 8.3 11.4 17.0#



#11
Tert butyl alcohol
Concen: 12.376 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

Tgt Ion: 59 Resp: 9711
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.601 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

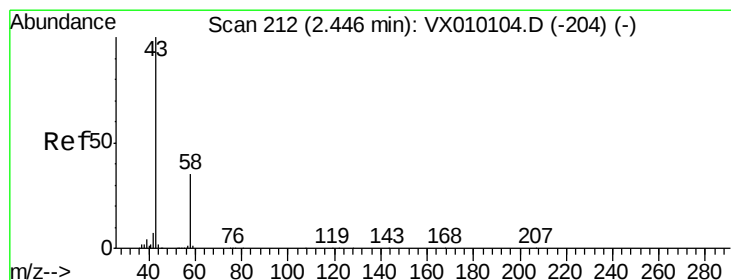
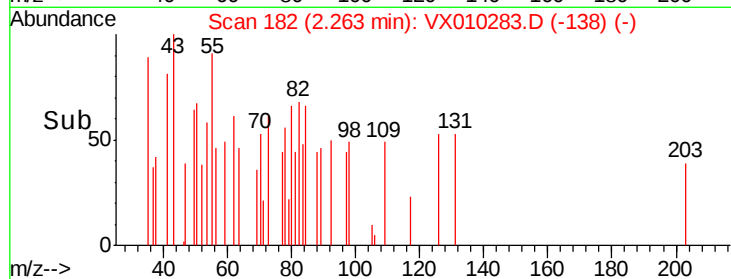
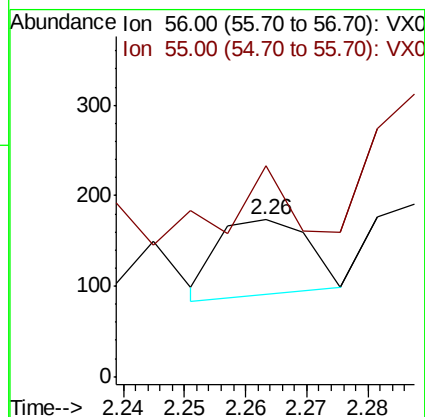
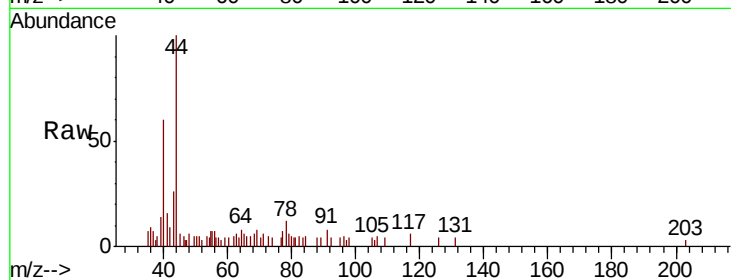
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 86

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 1.295 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX010283.D

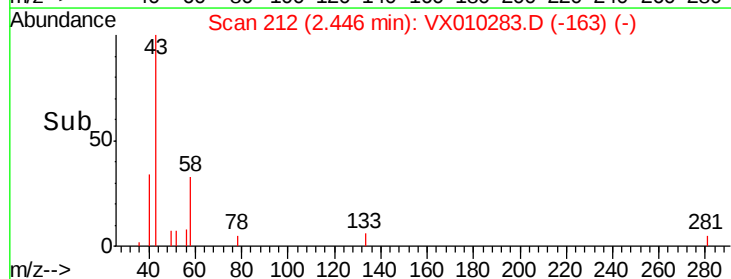
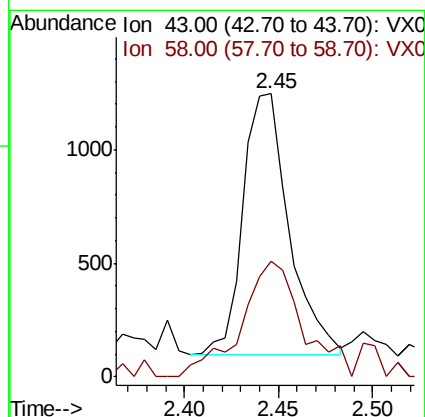
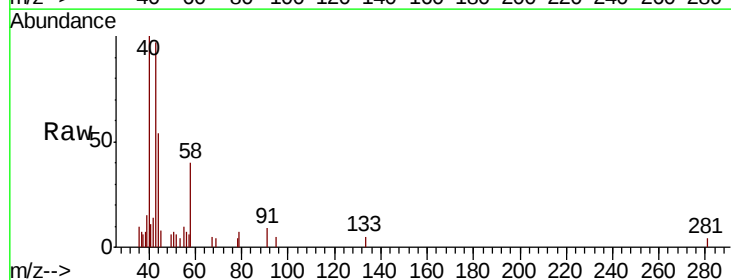
Acq: 13 Jun 2019 19:19

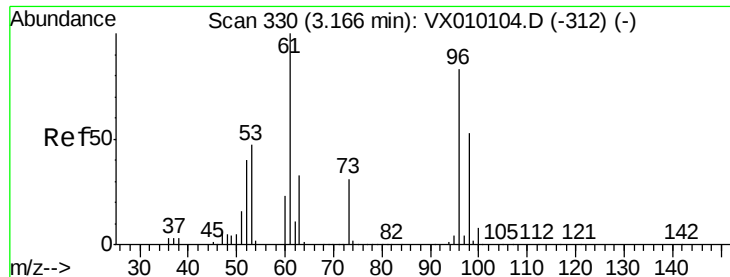
Tgt Ion: 43 Resp: 1951

Ion Ratio Lower Upper

43 100

58 39.9 23.2 34.8#

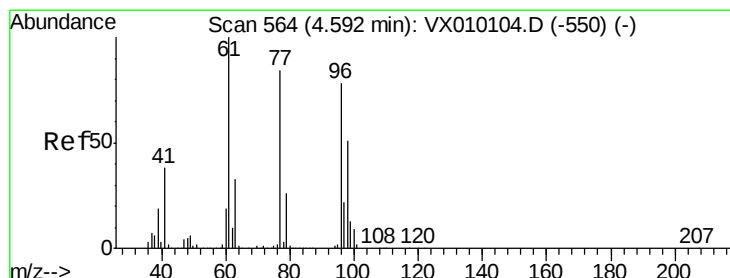
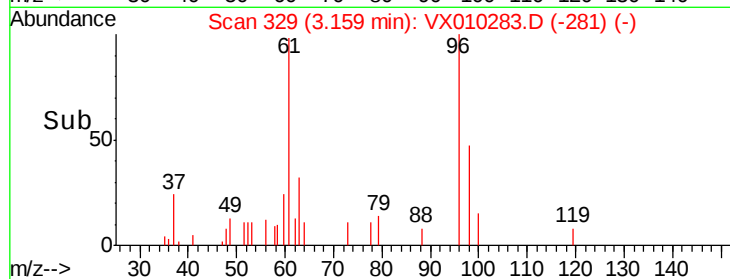
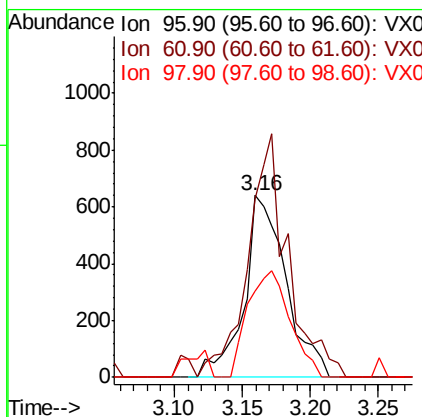
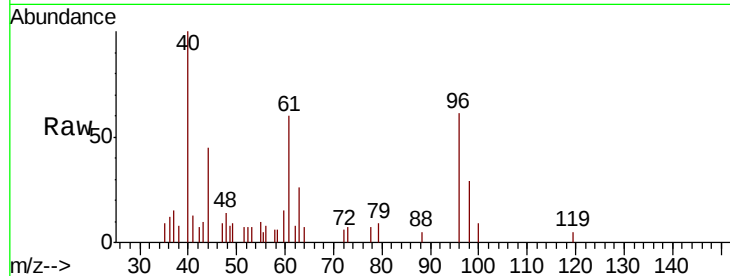




#21
trans-1,2-Dichloroethene
Concen: 0.423 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

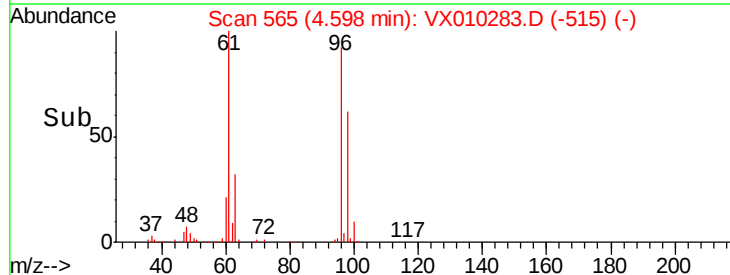
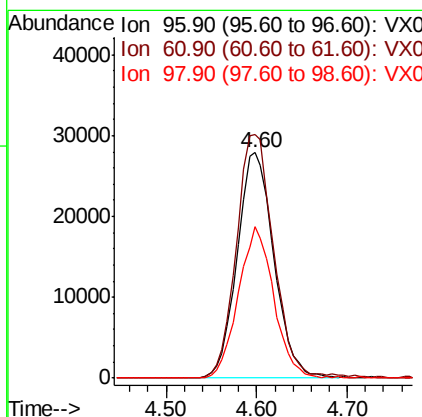
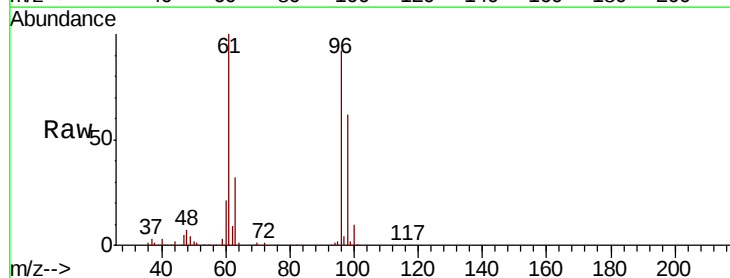
Instrument :
MSVOA_X
ClientSampled :

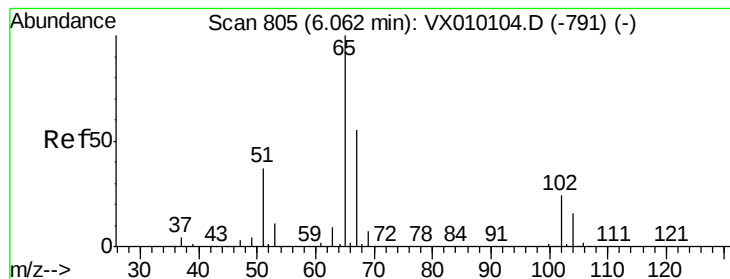
Tot Ion: 96 Resp: 1380
Ion Ratio Lower Upper
96 100
61 89.7 125.7 188.5#
98 47.1 49.0 73.6#



#27
cis-1,2-Dichloroethene
Concen: 21.596 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

Tgt Ion: 96 Resp: 78365
Ion Ratio Lower Upper
96 100
61 109.3 0.0 334.0
98 64.5 0.0 131.6





#33

1,2-Dichloroethane-d4

Concen: 45.856 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

Instrument :

MSVOA_X

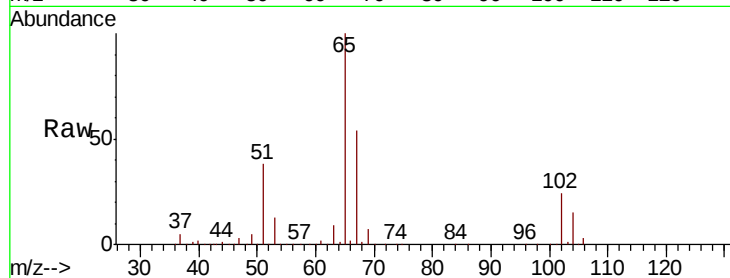
ClientSampleId :

Tot Ion: 65 Resp: 146881

Ion Ratio Lower Upper

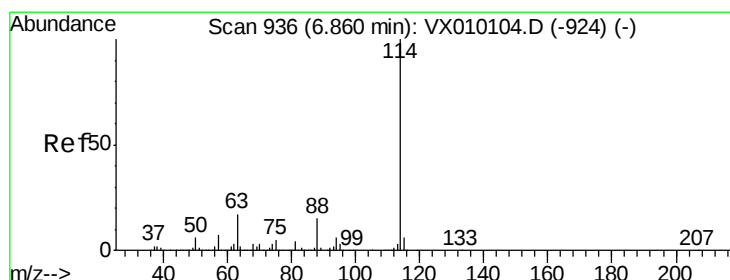
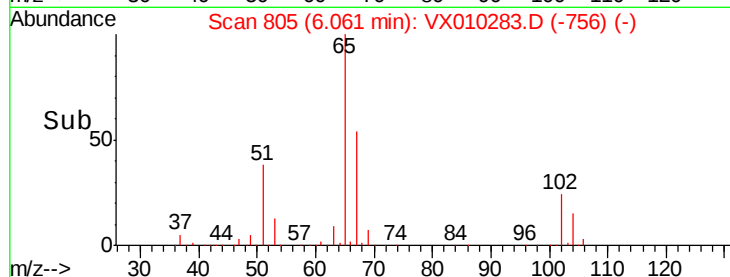
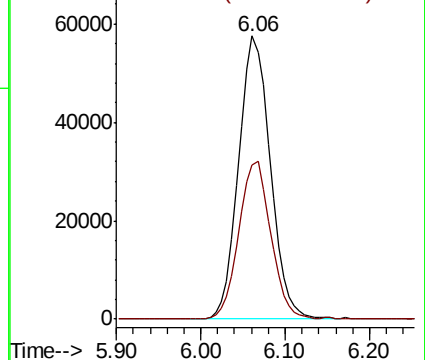
65 100

67 56.0 0.0 108.4



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

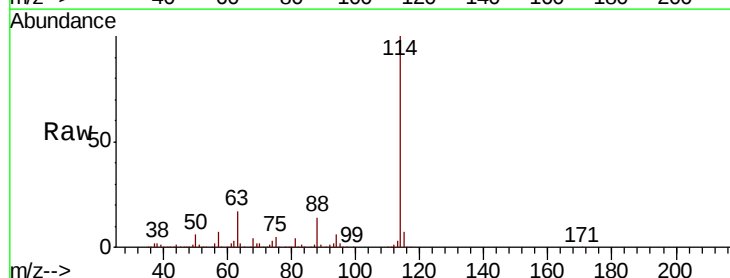
Tgt Ion: 114 Resp: 497981

Ion Ratio Lower Upper

114 100

63 17.1 0.0 47.4

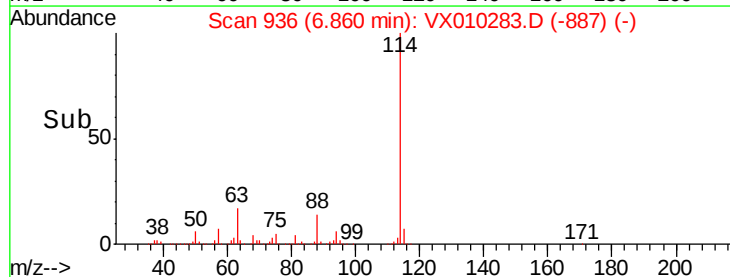
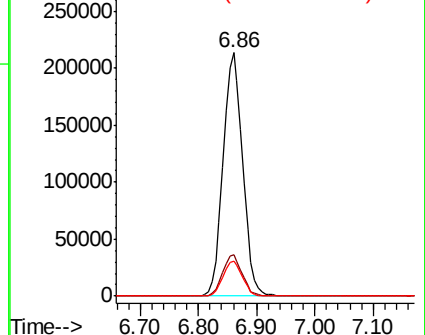
88 14.2 0.0 33.0

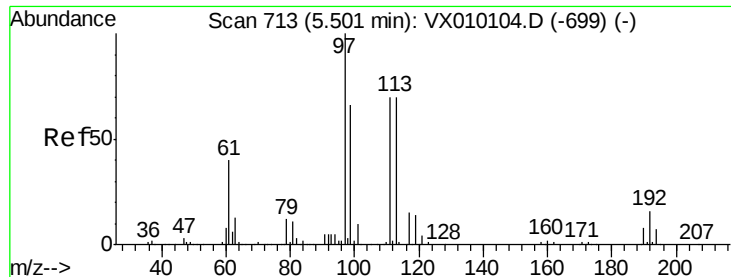


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

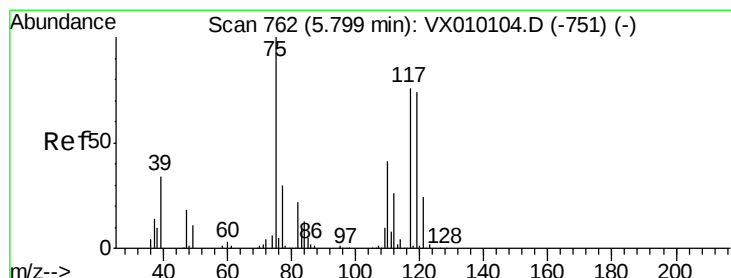
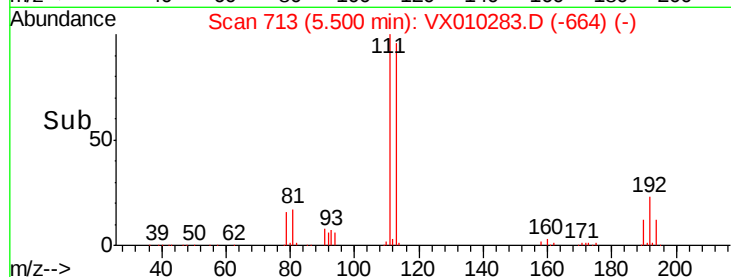
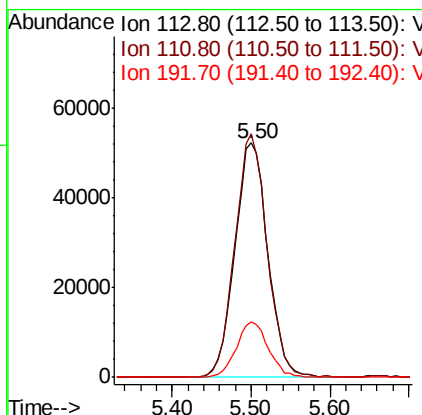
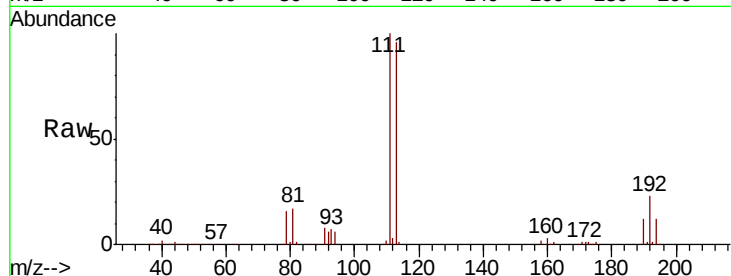




#35
 Dibromofluoromethane
 Concen: 49.217 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010283.D
 Acq: 13 Jun 2019 19:19

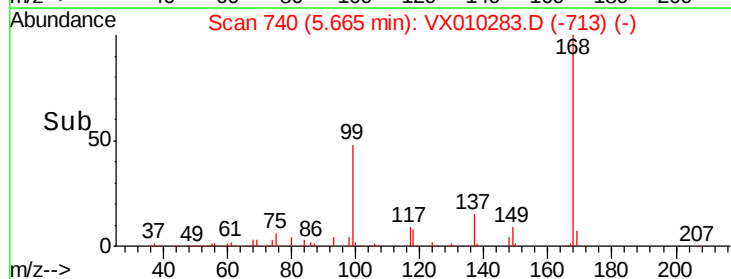
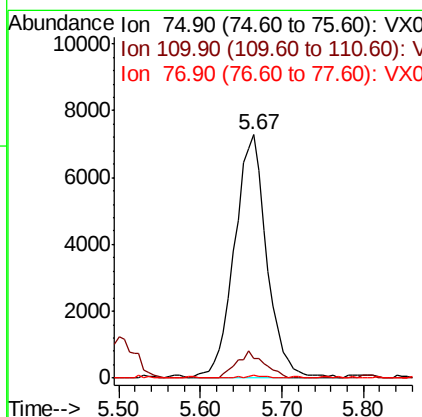
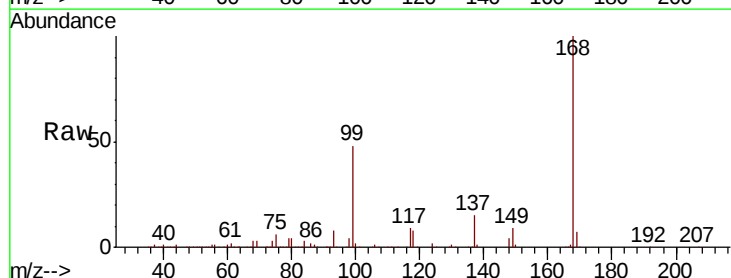
Instrument :
 MSVOA_X
 ClientSampleId :

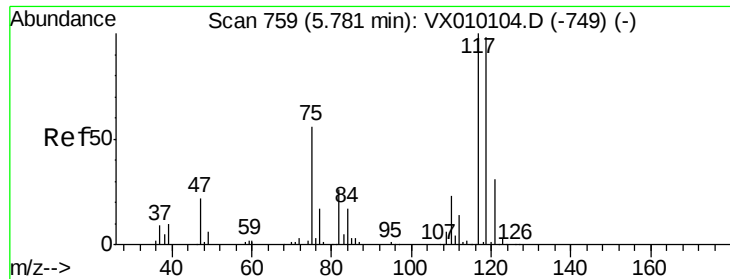
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.2
192	23.2	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.918 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010283.D
 Acq: 13 Jun 2019 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.7	50.1#
77	0.7	25.0	37.4#

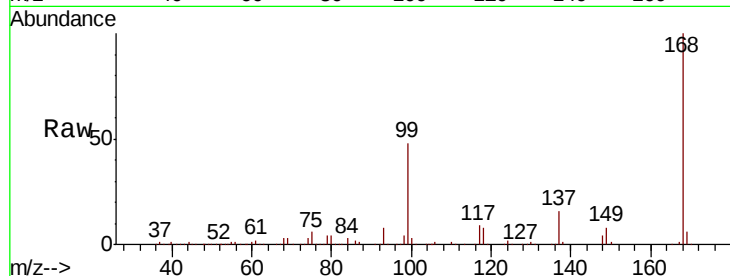




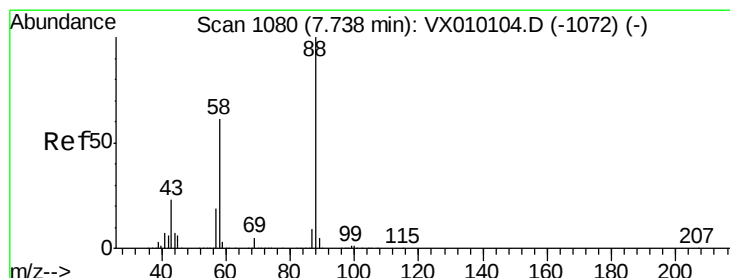
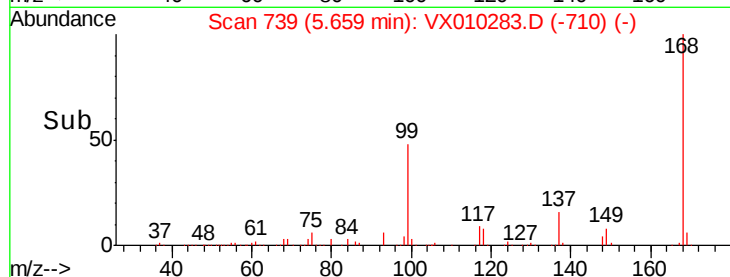
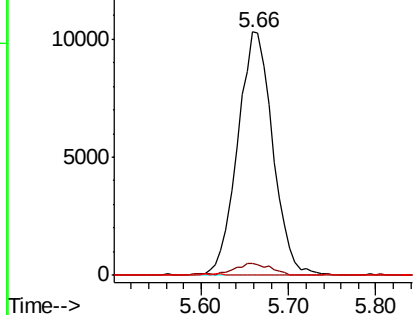
#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 28787
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 25.4 38.0#

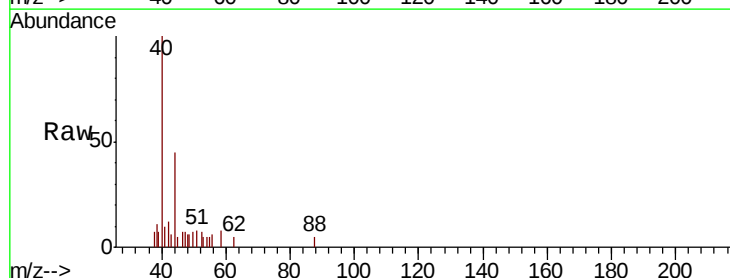


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

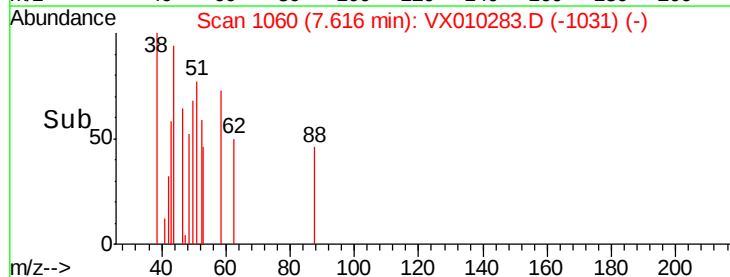
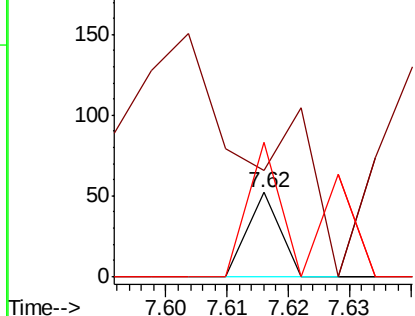


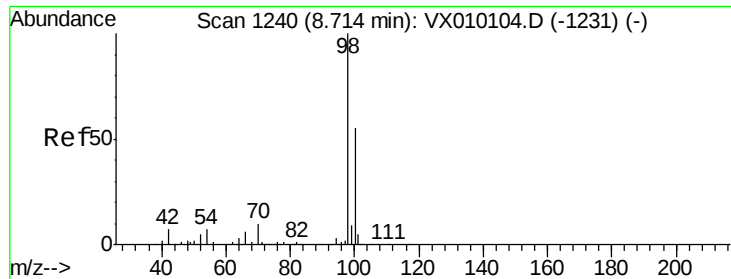
#49
1,4-Dioxane
Concen: 0.202 ug/l
RT: 7.62 min Scan# 1060
Delta R.T. -0.12 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 1189.5 30.2 45.4#
58 278.9 64.0 96.0#



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: 50.556 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

Instrument :

MSVOA_X

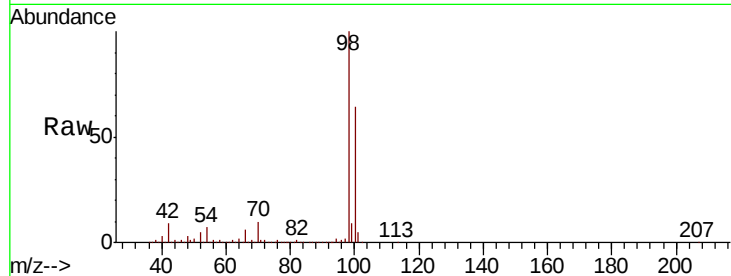
ClientSampleId :

Tot Ion: 98 Resp: 582004

Ion Ratio Lower Upper

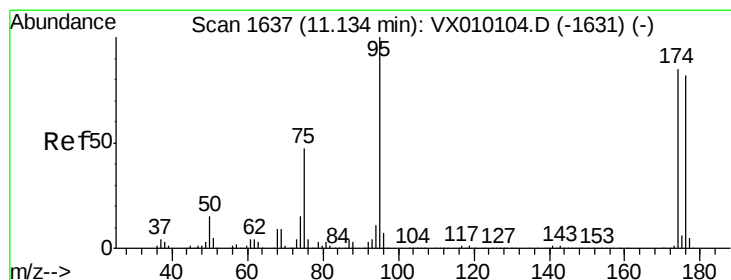
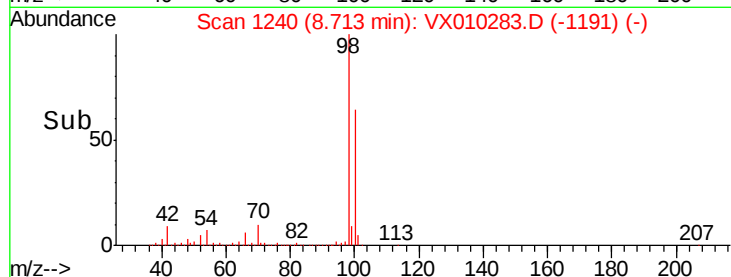
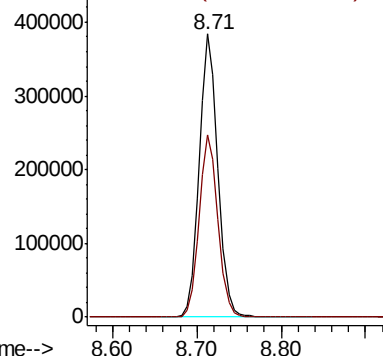
98 100

100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.272 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010283.D

Acq: 13 Jun 2019 19:19

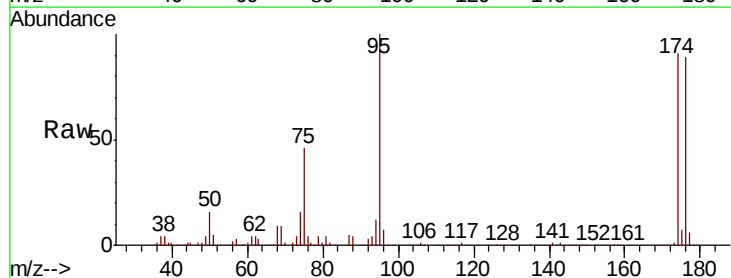
Tgt Ion: 95 Resp: 198938

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

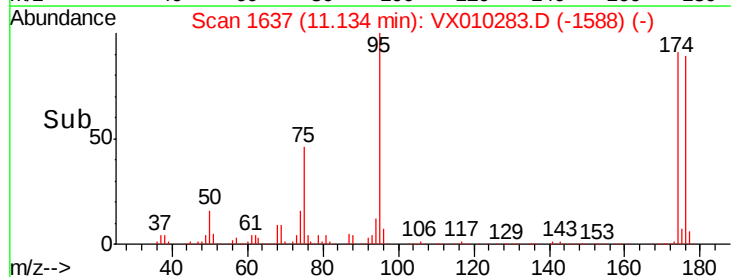
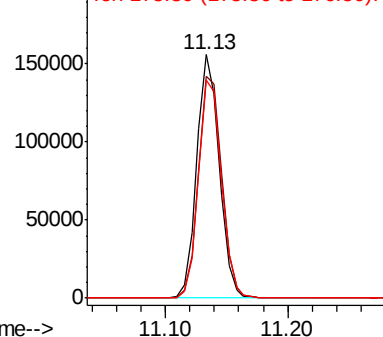
176 91.1 0.0 154.6

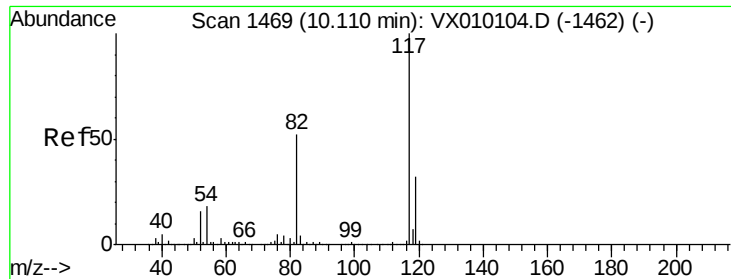


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

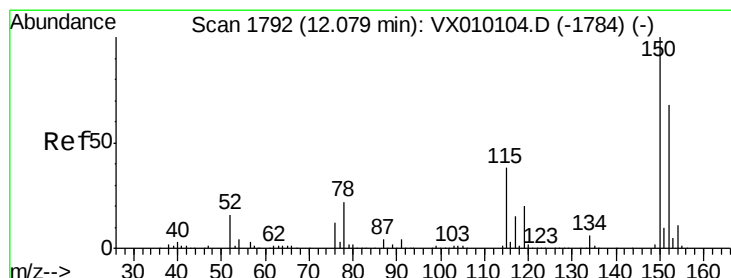
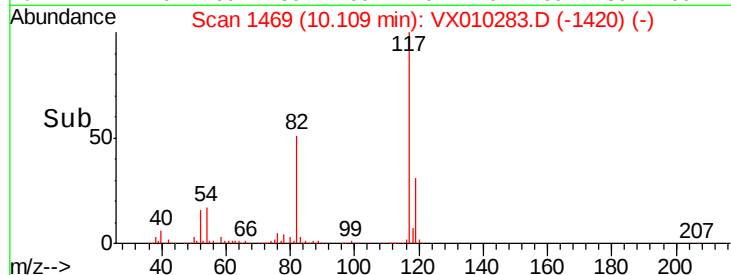
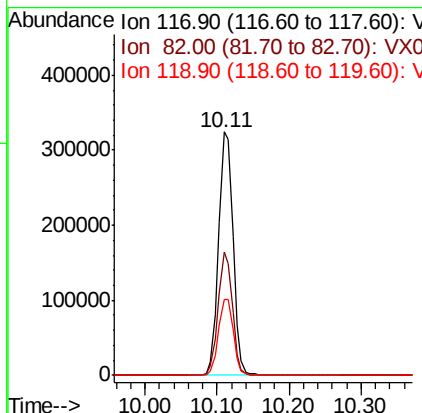
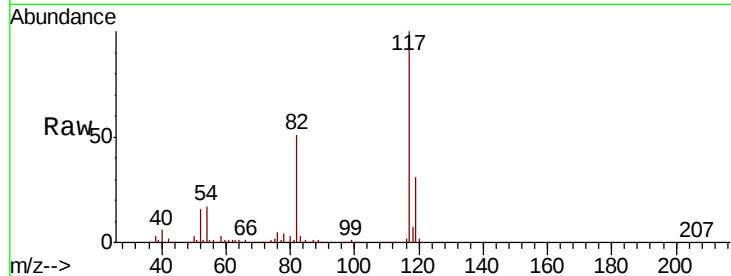




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

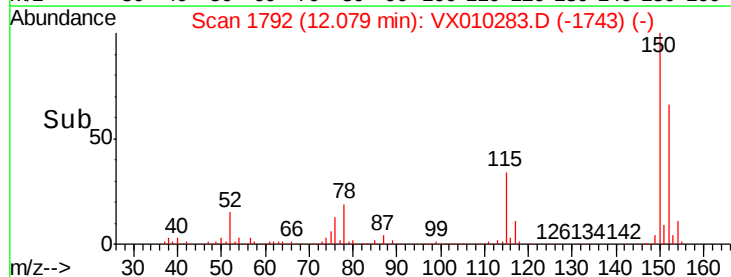
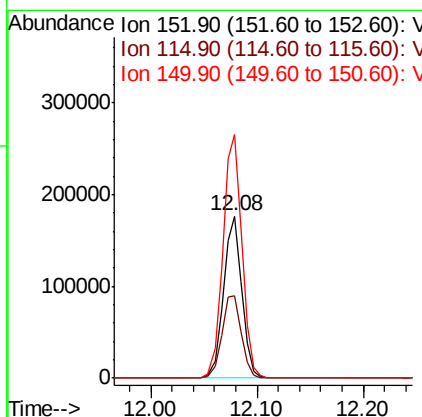
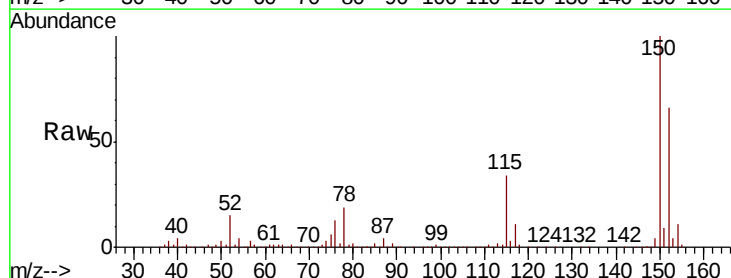
Instrument :
MSVOA_X
ClientSampleId :

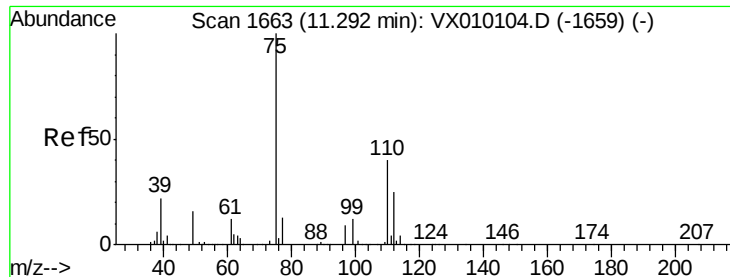
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	49.2	73.8
119	31.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010283.D
Acq: 13 Jun 2019 19:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	41.4	124.2
150	155.3	0.0	345.2

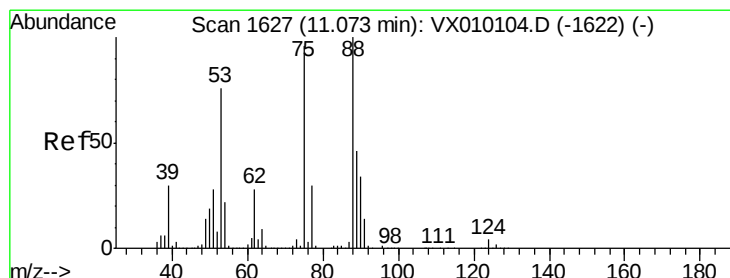
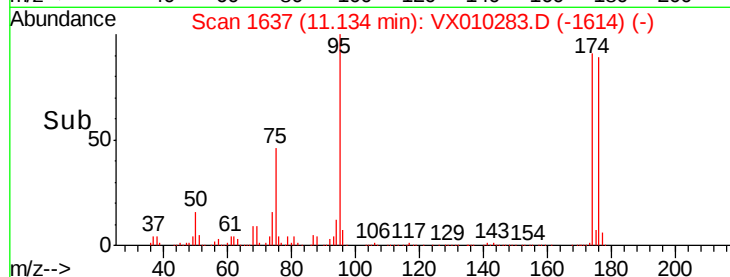
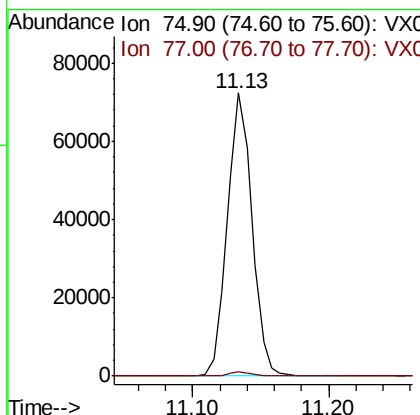
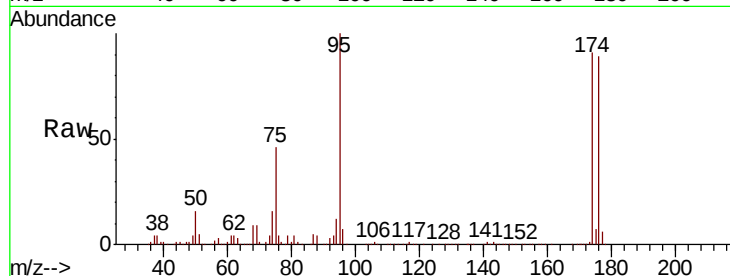




#76
 1,2,3-Trichloropropane
 Concen: 21.544 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010283.D
 Acq: 13 Jun 2019 19:19

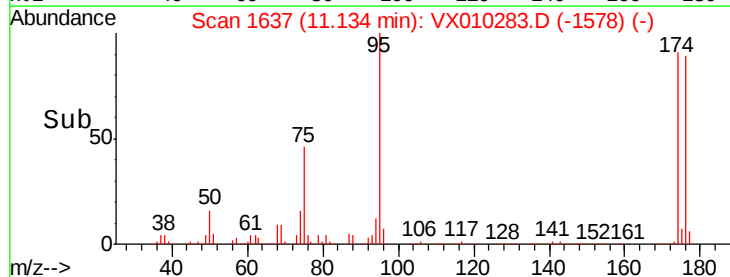
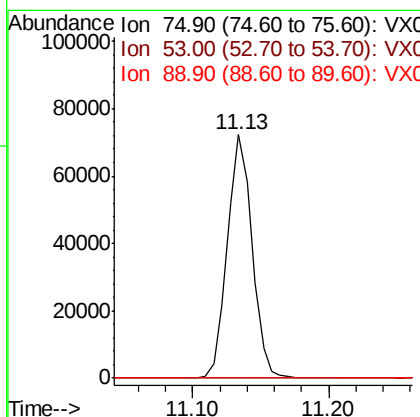
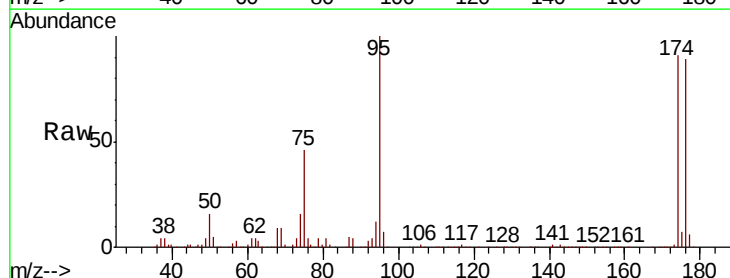
Instrument :
 MSVOA_X
 ClientSampled :

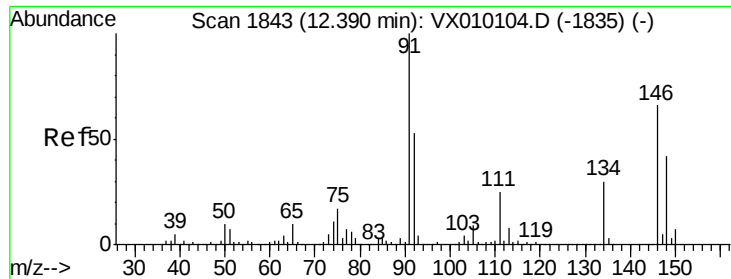
Tot Ion: 75 Resp: 91409
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.600 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010283.D
 Acq: 13 Jun 2019 19:19

Tgt Ion: 75 Resp: 91409
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#





#91
 1,2-Dichlorobenzene
 Concen: 2.094 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010283.D
 Acq: 13 Jun 2019 19:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	21.1	63.1
148	61.1	32.3	96.8

