

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
 Data File : VX008956.D
 Acq On : 15 Apr 2019 12:22
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 16 03:21:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	250594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393401	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141484	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	157715	44.66	ug/l	0.00
Spiked Amount			Recovery	=	89.32%	
35) Dibromofluoromethane	5.49	113	118015	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
50) Toluene-d8	8.71	98	488675	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	11.13	95	159988	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1204	0.340	ug/l	92
5) Bromomethane	1.64	94	1123	4.328	ug/l	90
6) Chloroethane	1.72	64	531	0.262	ug/l #	84
10) Methyl Iodide	2.51	142	1005	4.740	ug/l #	92
11) Tert butyl alcohol	3.05	59	753	0.961	ug/l #	53
12) 1,1-Dichloroethene	2.37	96	604	0.225	ug/l #	58
13) Acrolein	2.29	56	1287	1.900	ug/l	92
15) Acrylonitrile	3.14	53	2831	1.423	ug/l #	96
16) Acetone	2.44	43	1363	0.744	ug/l	89
17) Carbon Disulfide	2.57	76	8113	2.254	ug/l	100
18) Methyl Acetate	2.78	43	1409	0.308	ug/l	94
20) Methylene Chloride	2.86	84	926	0.296	ug/l #	85
21) trans-1,2-Dichloroethene	3.16	96	1261	0.440	ug/l	85
23) Vinyl Acetate	3.82	43	4910	0.490	ug/l	100
25) 2-Butanone	4.70	43	2058	0.703	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	904	0.278	ug/l #	11
28) Bromochloromethane	5.01	49	446	Below Cal	#	93
29) Tetrahydrofuran	5.13	42	766	0.391	ug/l #	80
36) 1,1-Dichloropropene	5.80	75	1091	0.268	ug/l #	83
38) Carbon Tetrachloride	5.66	117	23968	6.949	ug/l #	17
44) Trichloroethene	7.23	130	688	0.234	ug/l	53
46) Dibromomethane	7.66	93	584	0.301	ug/l	90
49) 1,4-Dioxane	7.75	88	526	6.741	ug/l #	91
51) 4-Methyl-2-Pentanone	8.64	43	2140	0.398	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	948	0.217	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.31	63	1464	0.532	ug/l	96
59) 2-Hexanone	9.50	43	2160	0.521	ug/l	97
64) Tetrachloroethene	9.33	164	586	0.230	ug/l #	72
68) m/p-Xylenes	10.36	106	1168	0.248	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	80702	23.360	ug/l #	33
77) Bromobenzene	11.26	156	662	0.245	ug/l	93
79) 2-Chlorotoluene	11.41	91	1524	0.205	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	80702	59.971	ug/l #	10
82) 4-Chlorotoluene	11.51	91	1825	0.212	ug/l	79

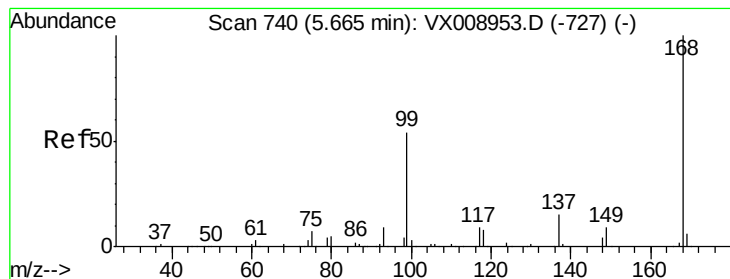
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041519\
Data File : VX008956.D
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Quant Time: Apr 16 03:21:25 2019
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 02:27:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.02	146	1401	0.296	ug/l	94
88) 1,4-Dichlorobenzene	12.02	146	1401	0.292	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	1111	0.238	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	247	0.277	ug/l	90
93) 1,2,4-Trichlorobenzene	13.65	180	1906	0.565	ug/l	94
94) Hexachlorobutadiene	13.78	225	402	0.239	ug/l	93
95) Naphthalene	13.83	128	7249	0.670	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1792	0.538	ug/l	90

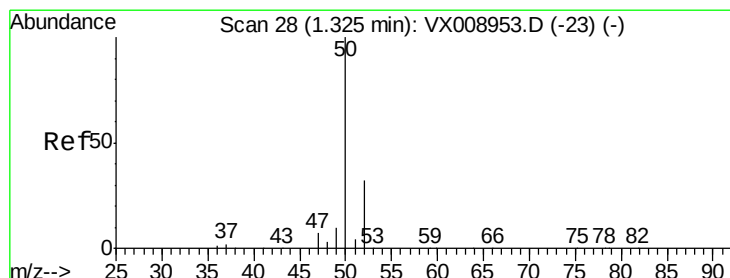
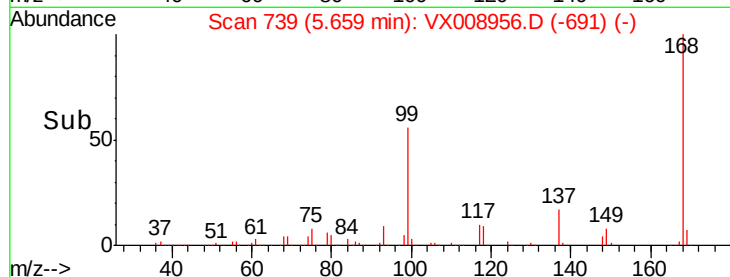
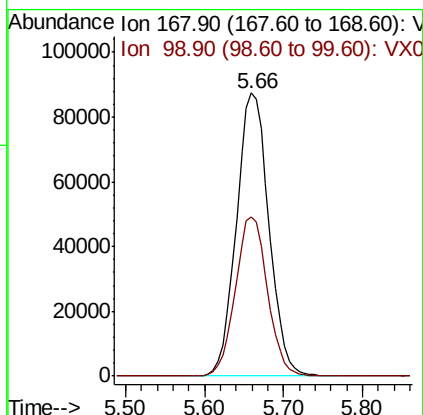
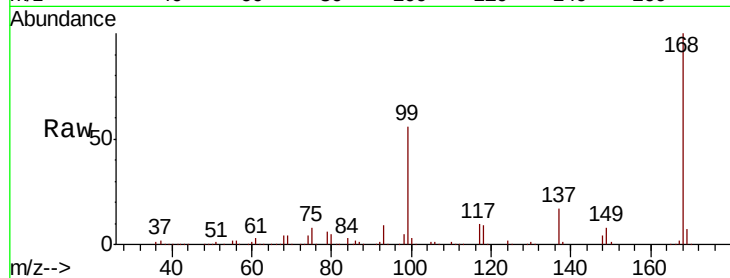
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

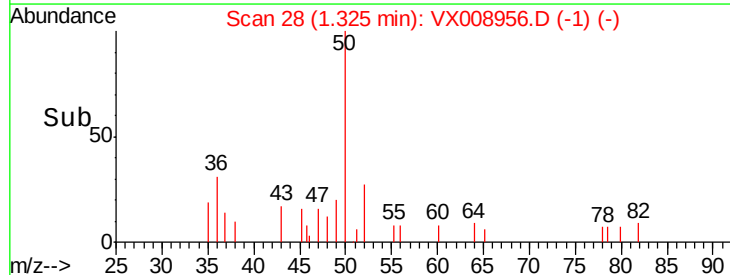
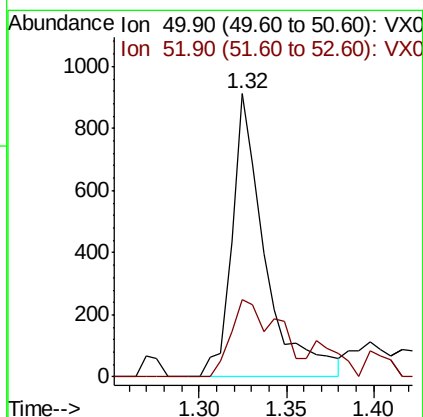
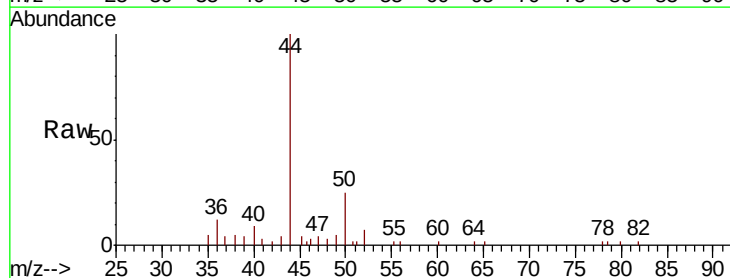
Instrument :
MSVOA_X
ClientSampleId :

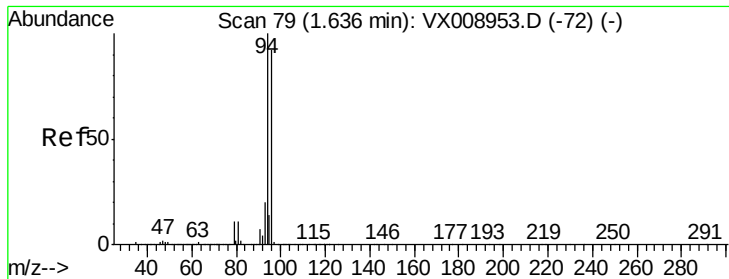
Tot Ion:168 Resp: 250594
Ion Ratio Lower Upper
168 100
99 56.2 43.0 64.6



#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 50 Resp: 1204
Ion Ratio Lower Upper
50 100
52 27.2 25.5 38.3





#5

Bromomethane

Concen: 4.328 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

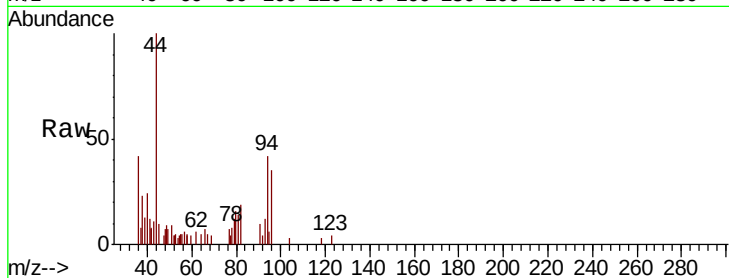
ClientSampleId :

Tot Ion: 94 Resp: 1123

Ion Ratio Lower Upper

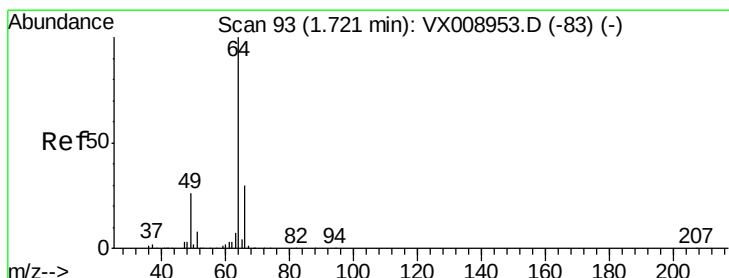
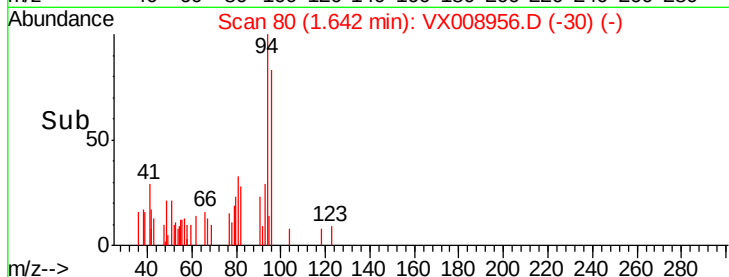
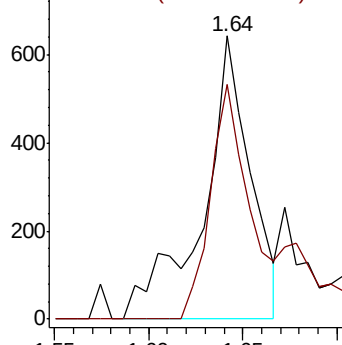
94 100

96 82.7 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.262 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX008956.D

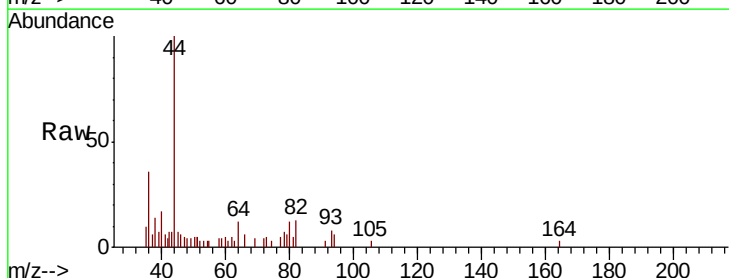
Acq: 15 Apr 2019 12:22

Tgt Ion: 64 Resp: 531

Ion Ratio Lower Upper

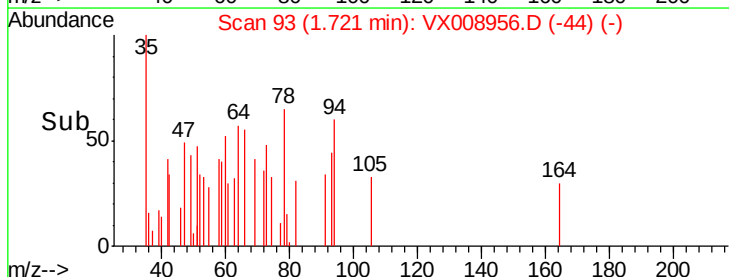
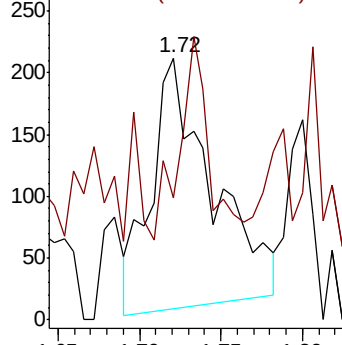
64 100

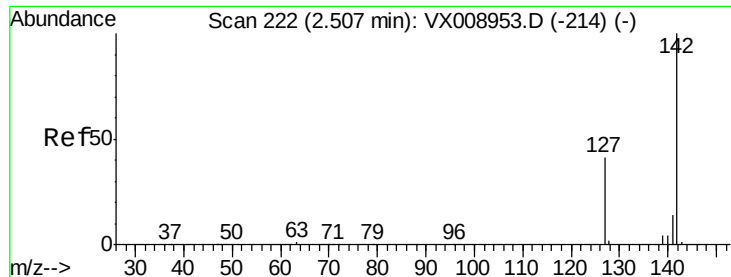
66 21.7 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

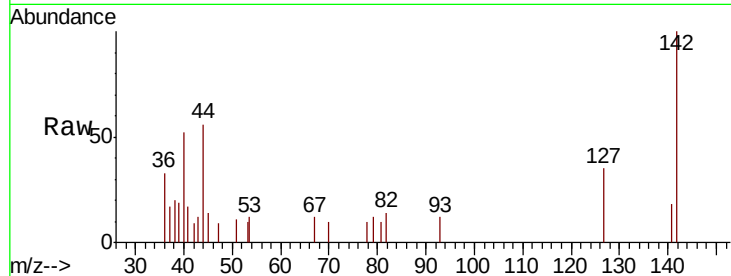




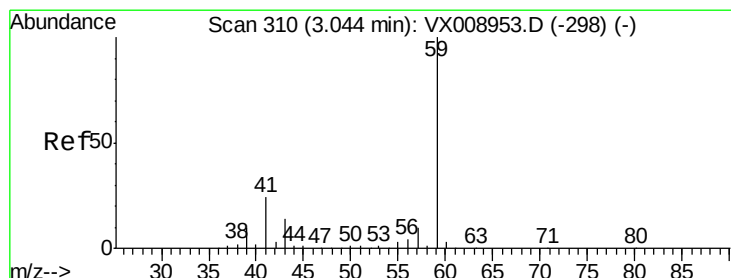
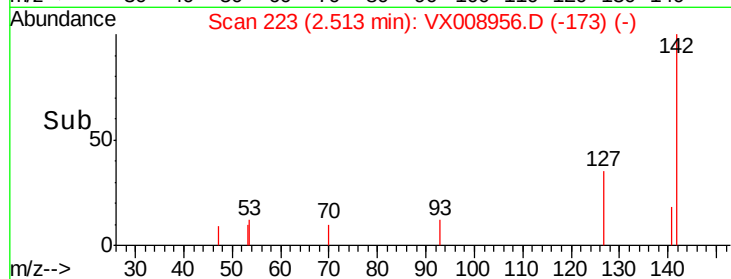
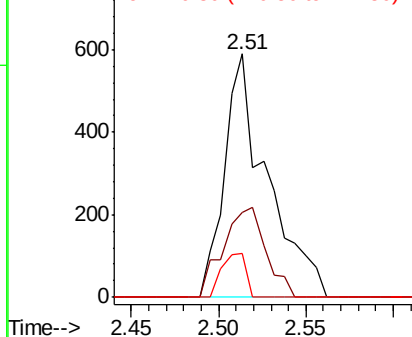
#10
Methvl Iodide
Concen: 4.740 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1005
Ion Ratio Lower Upper
142 100
127 36.8 32.8 49.2
141 10.1 11.4 17.2#

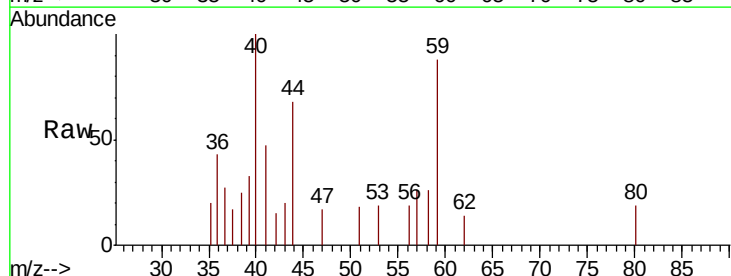


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

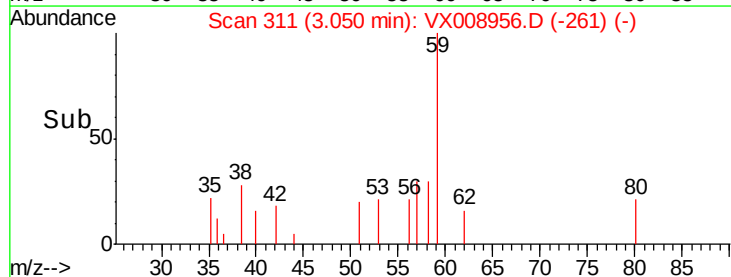
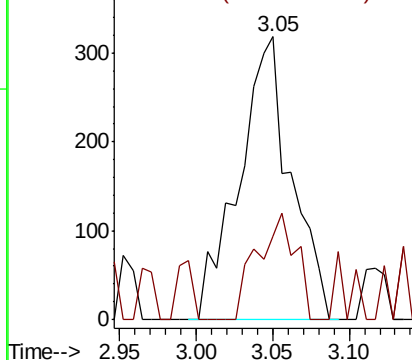


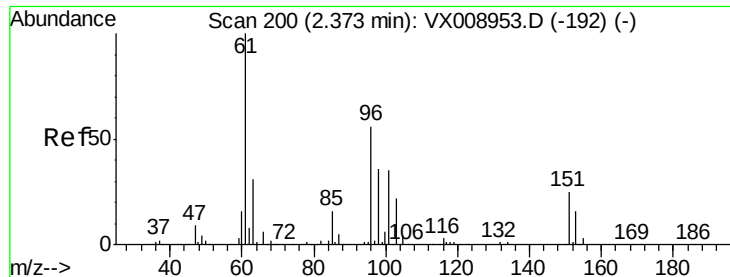
#11
Tert butyl alcohol
Concen: 0.961 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 59 Resp: 753
Ion Ratio Lower Upper
59 100
57 28.0 8.4 12.6#



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





#12

1,1-Dichloroethene

Concen: 0.225 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

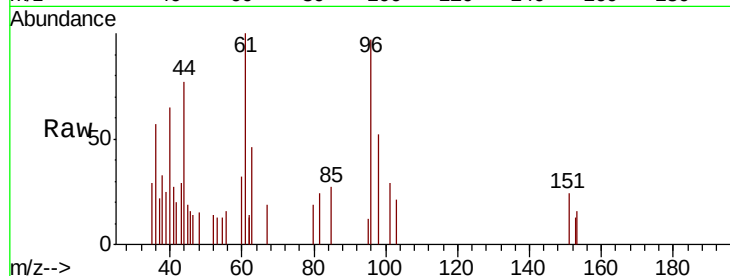
Tot Ion: 96 Resp: 604

Ion Ratio Lower Upper

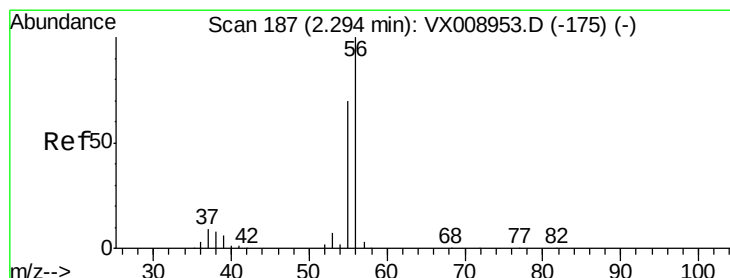
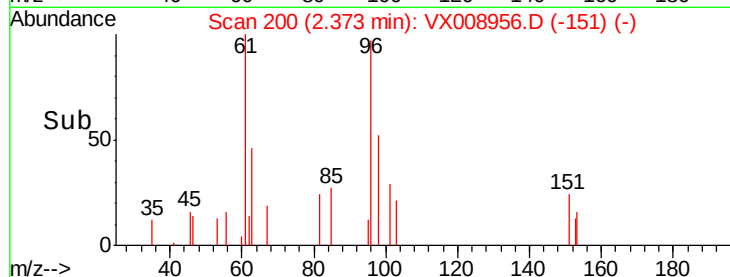
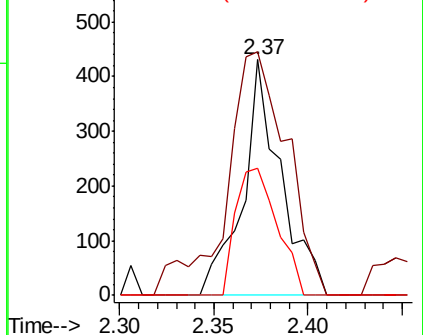
96 100

61 103.2 142.2 213.2#

98 53.8 50.9 76.3



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: 1.900 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008956.D

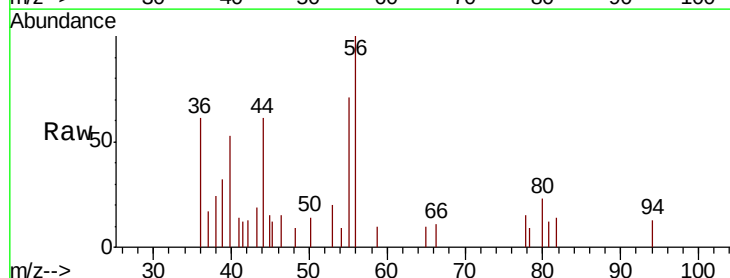
Acq: 15 Apr 2019 12:22

Tgt Ion: 56 Resp: 1287

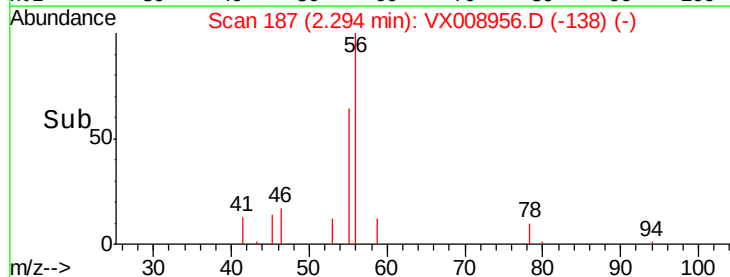
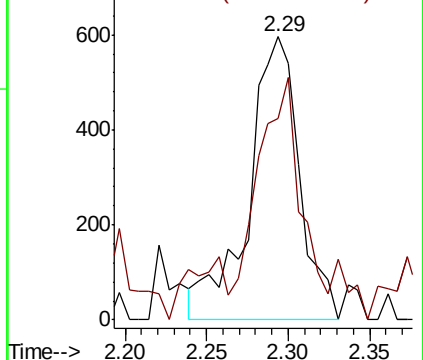
Ion Ratio Lower Upper

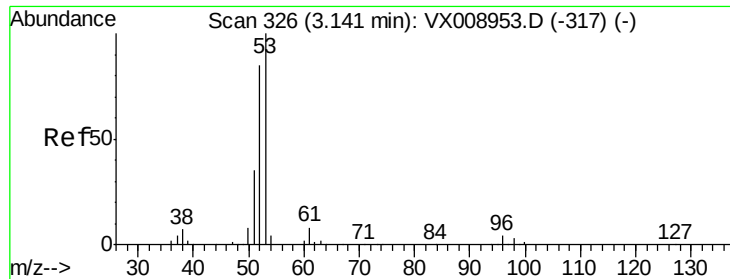
56 100

55 64.3 56.6 84.8



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





#15

Acrylonitrile

Concen: 1.423 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

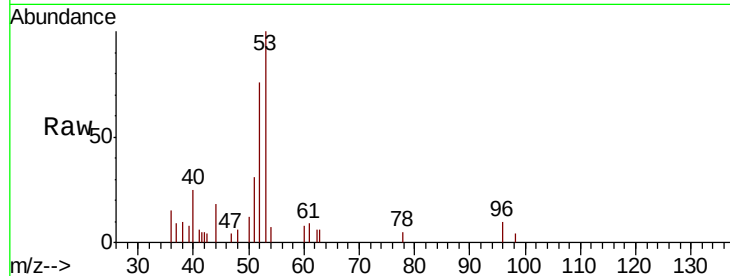
Tot Ion: 53 Resp: 2831

Ion Ratio Lower Upper

53 100

52 82.6 66.6 100.0

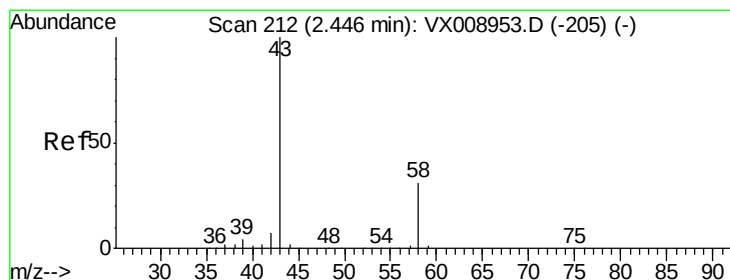
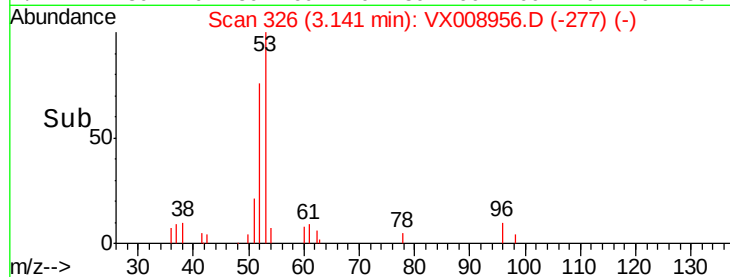
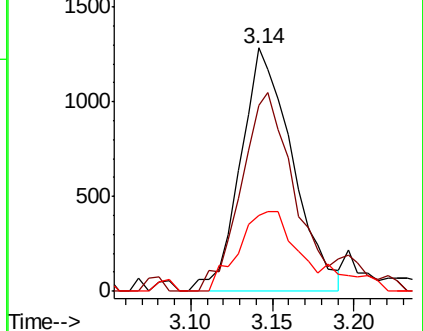
51 42.9 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.744 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008956.D

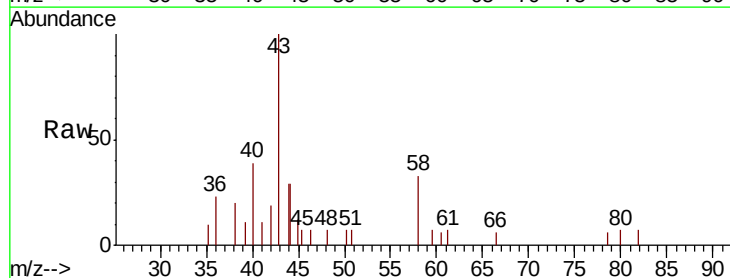
Acq: 15 Apr 2019 12:22

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

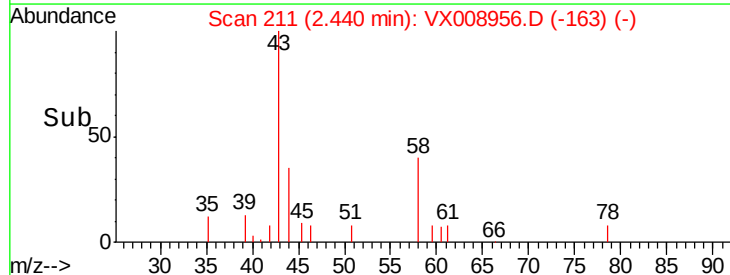
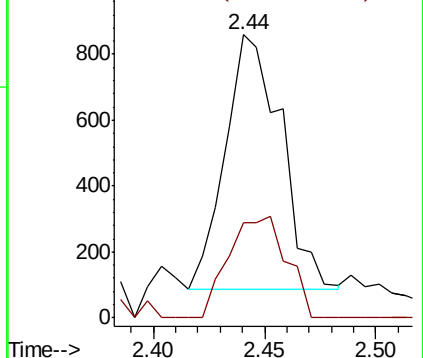
43 100

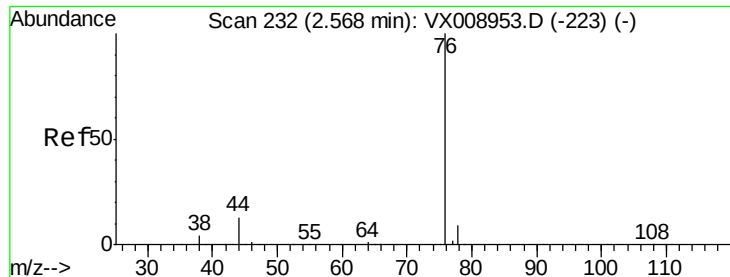
58 37.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 2.254 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

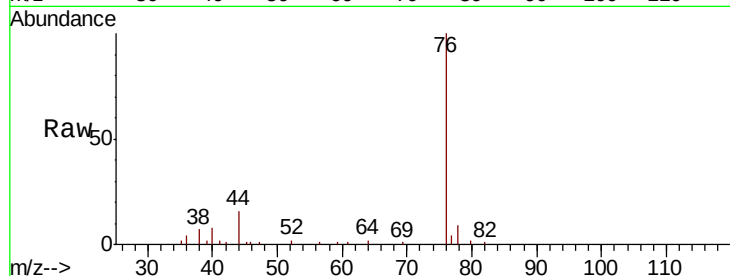
ClientSampled :

Tot Ion: 76 Resp: 8113

Ion Ratio Lower Upper

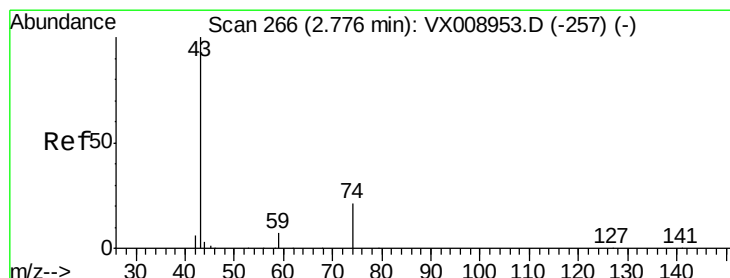
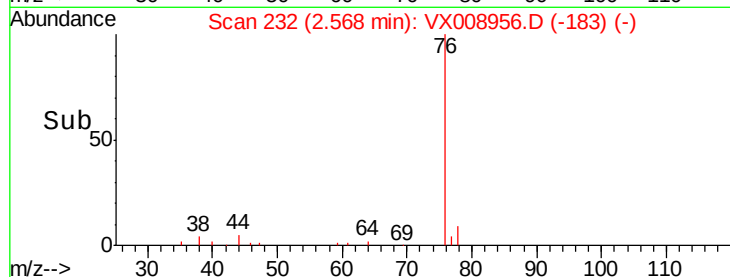
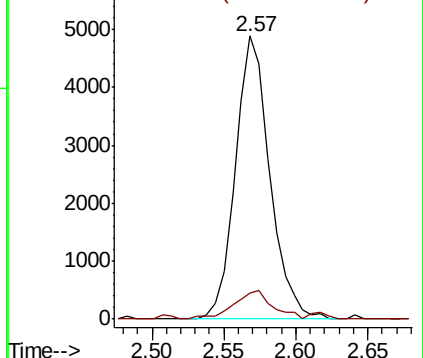
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.308 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008956.D

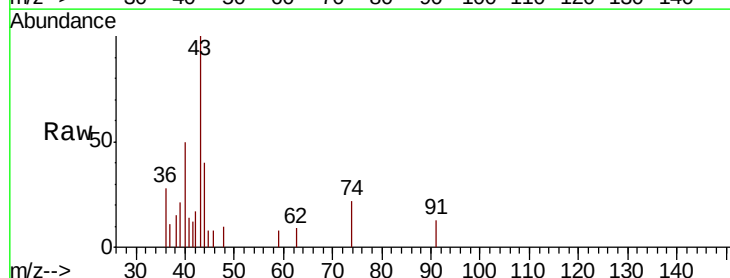
Acq: 15 Apr 2019 12:22

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

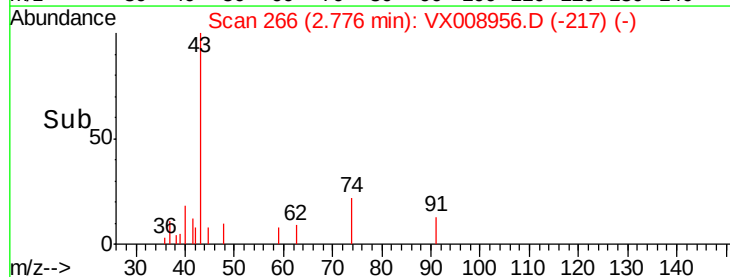
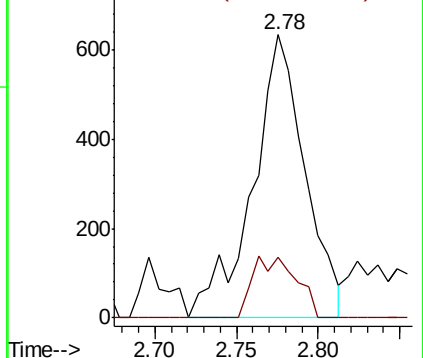
43 100

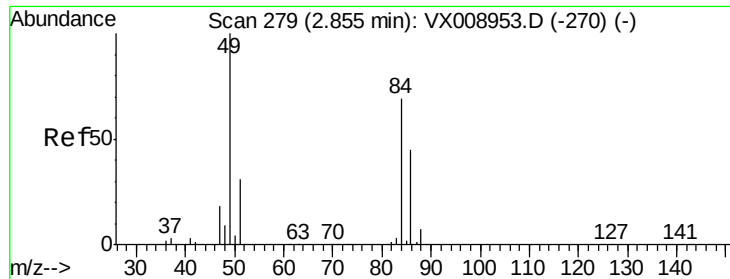
74 18.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

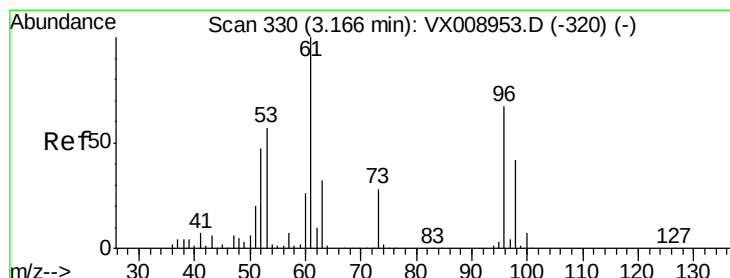
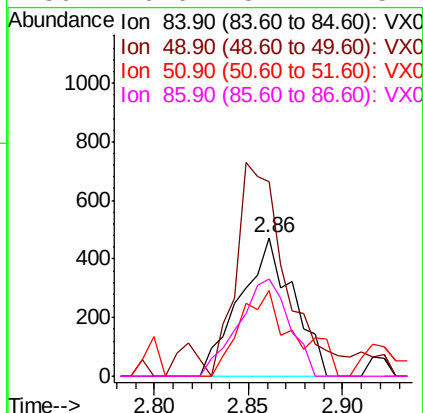
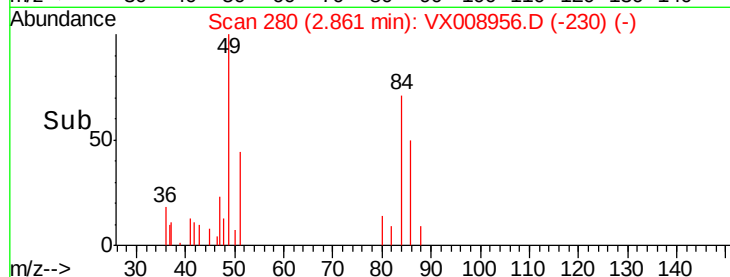
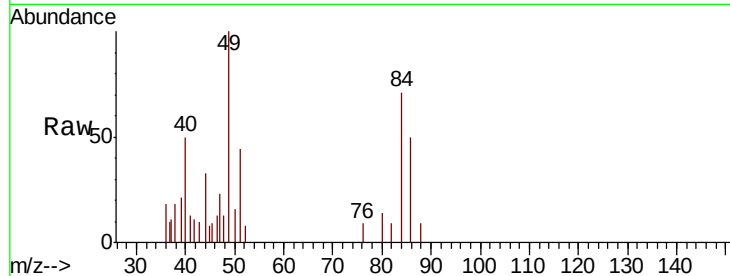




#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

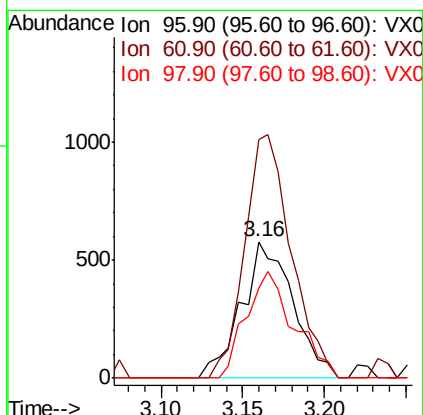
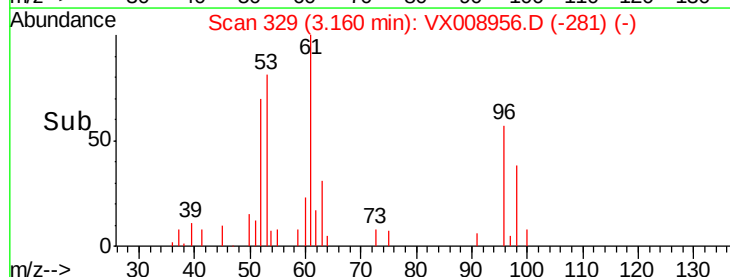
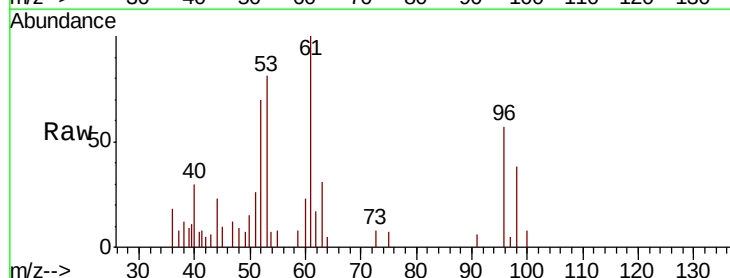
Instrument :
MSVOA_X
ClientSampled :

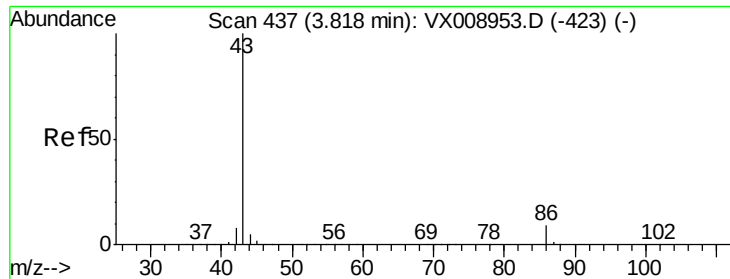
Tot Ion: 84 Resp: 926
Ion Ratio Lower Upper
84 100
49 126.1 115.4 173.0
51 61.9 35.8 53.6#
86 70.6 52.1 78.1



#21
trans-1,2-Dichloroethene
Concen: 0.440 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 96 Resp: 1261
Ion Ratio Lower Upper
96 100
61 174.4 120.3 180.5
98 65.8 50.2 75.2





#23

Vinyl Acetate

Concen: 0.490 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

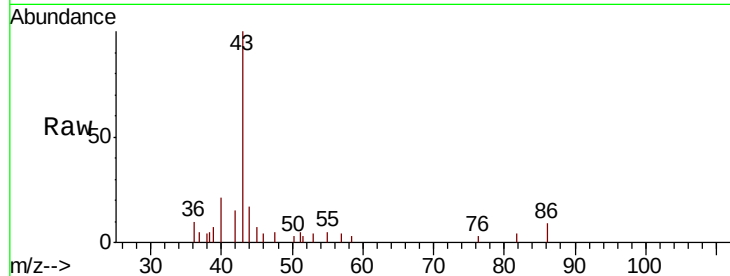
ClientSampleId :

Tot Ion: 43 Resp: 4910

Ion Ratio Lower Upper

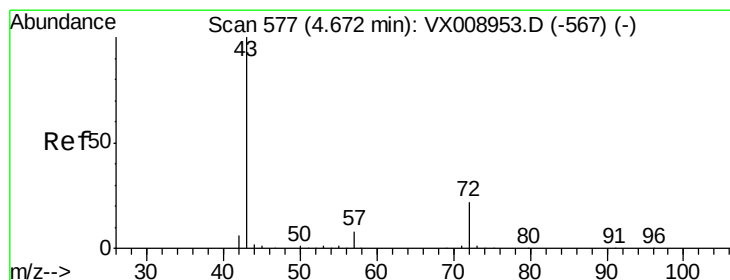
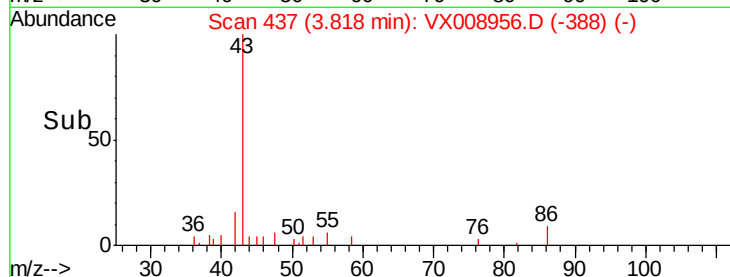
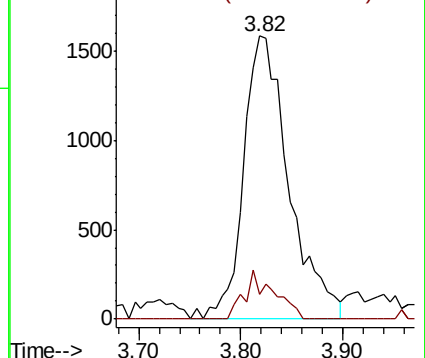
43 100

86 9.0 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#25

2-Butanone

Concen: 0.703 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008956.D

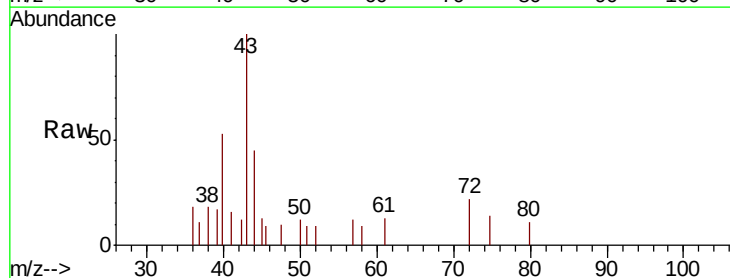
Acq: 15 Apr 2019 12:22

Tgt Ion: 43 Resp: 2058

Ion Ratio Lower Upper

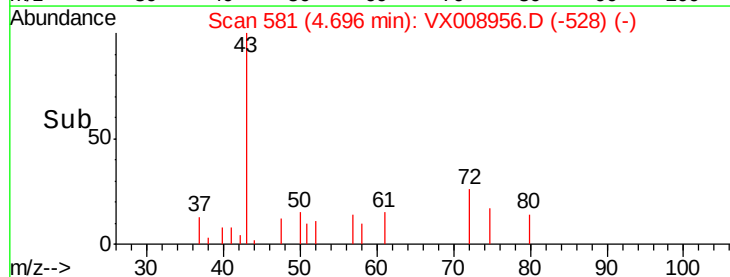
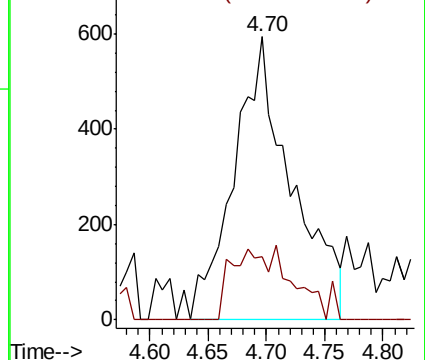
43 100

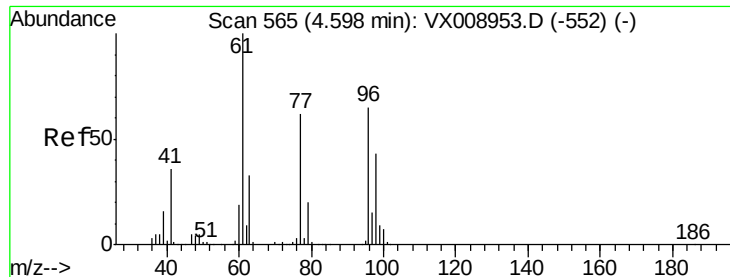
72 22.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



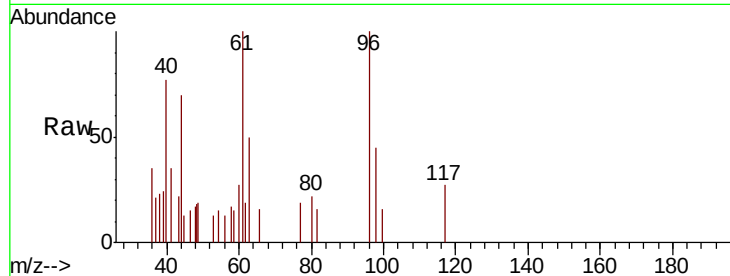


#27

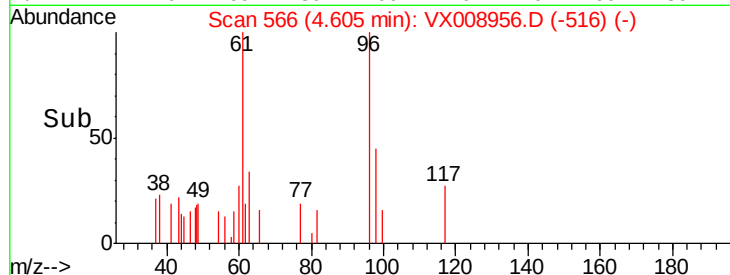
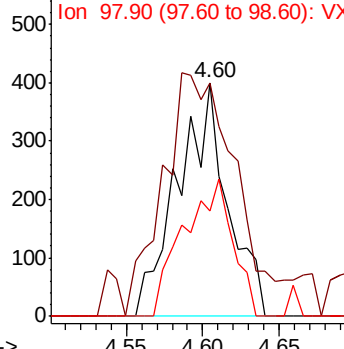
cis-1,2-Dichloroethene
Concen: 0.278 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	96	Resp:	904
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	322.0
98	58.1	0.0	128.4



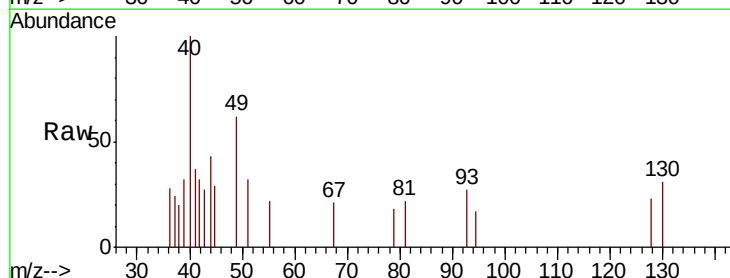
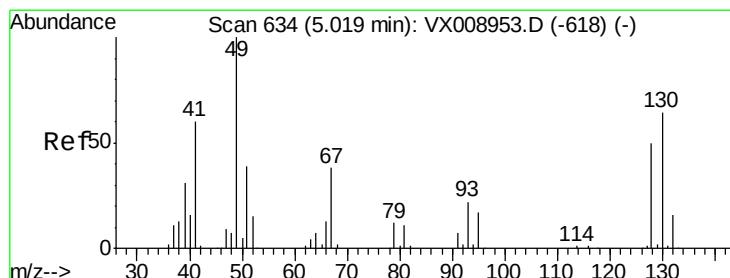
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



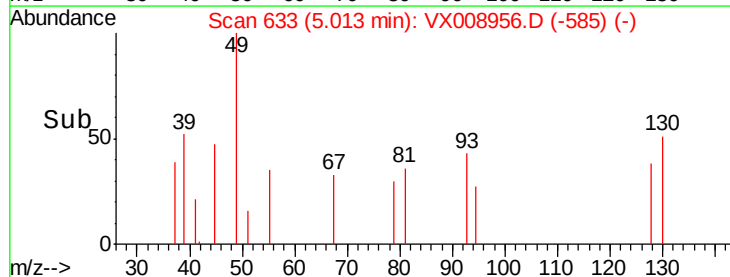
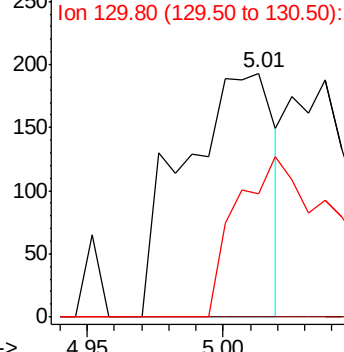
#28

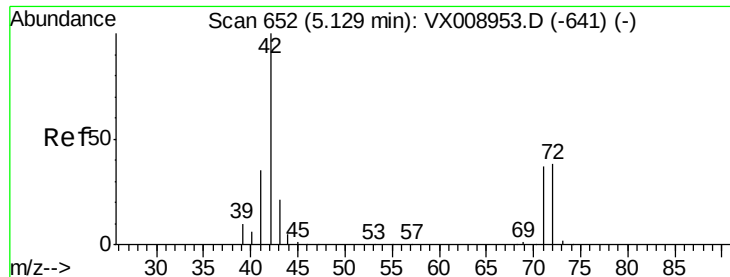
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion	49	Resp:	446
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	68.2	50.4	75.6



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

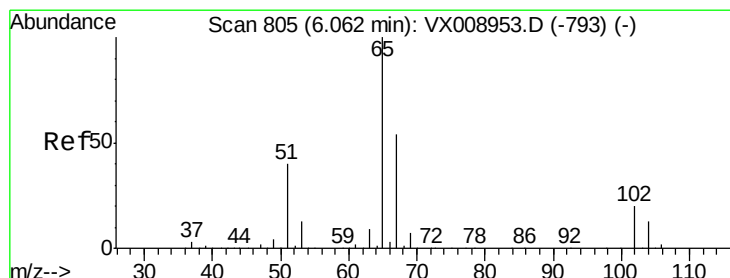
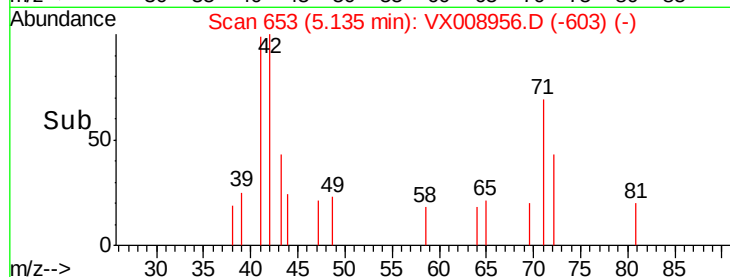
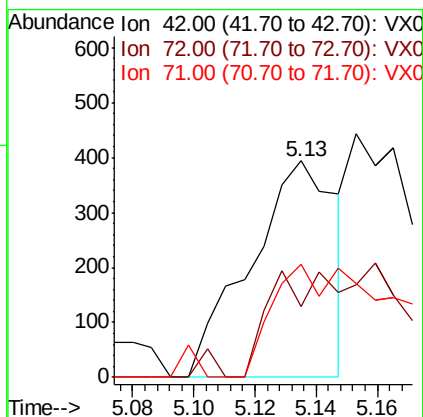
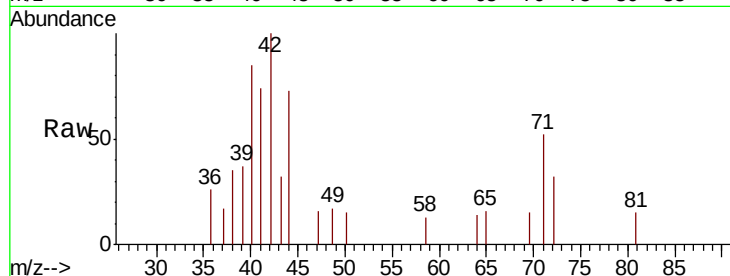




#29
Tetrahydrofuran
Concen: 0.391 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

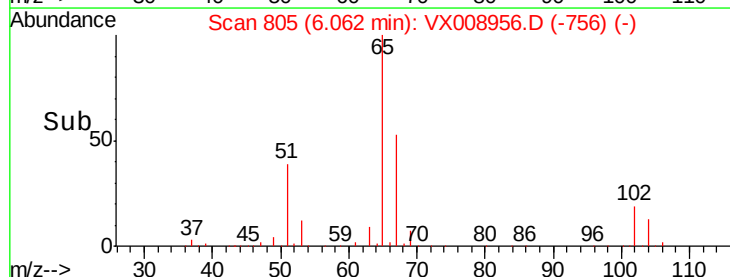
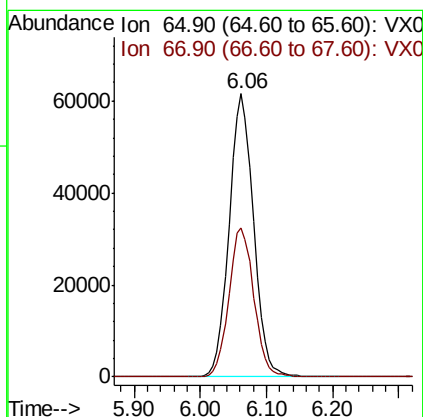
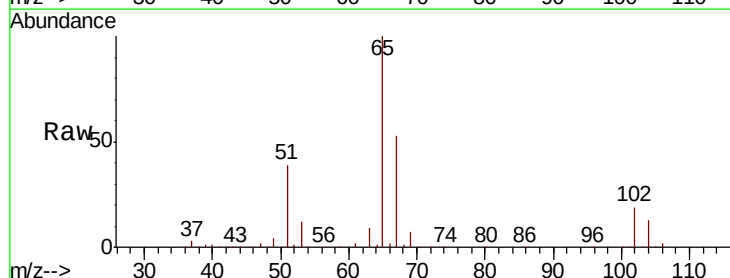
Instrument :
MSVOA_X
ClientSampled :

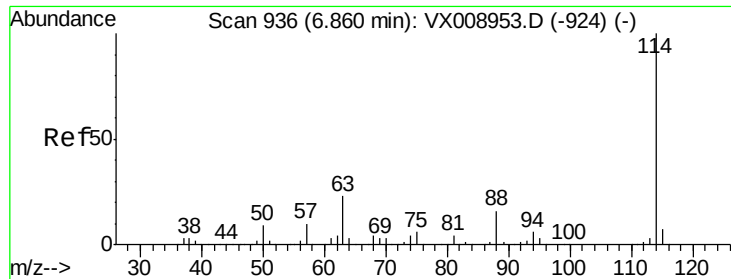
Tot Ion: 42 Resp: 766
Ion Ratio Lower Upper
42 100
72 21.1 30.6 45.8#
71 29.9 28.8 43.2



#33
1,2-Dichloroethane-d4
Concen: 44.658 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 65 Resp: 157715
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.6

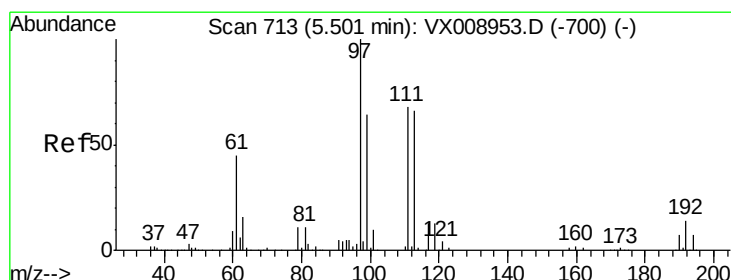
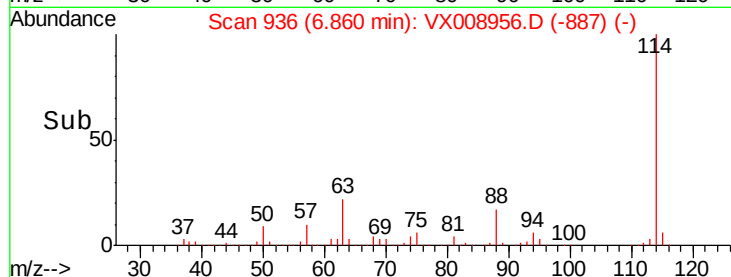
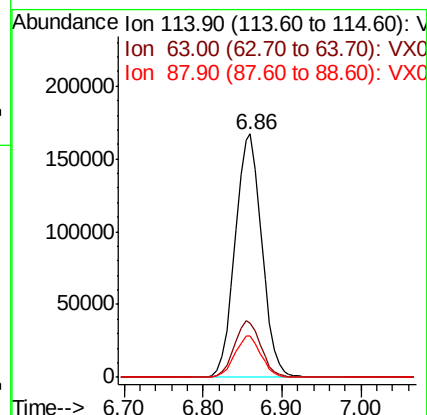
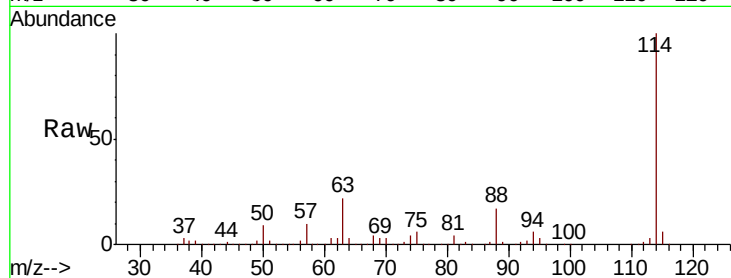




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

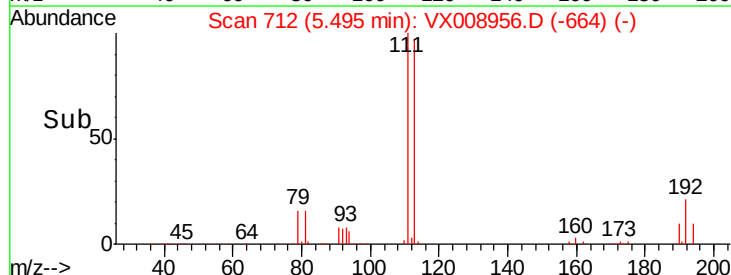
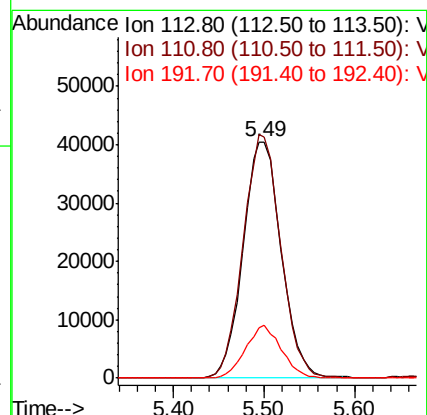
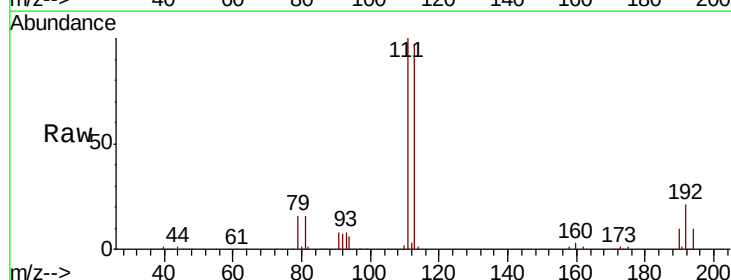
Instrument :
MSVOA_X
ClientSampleId :

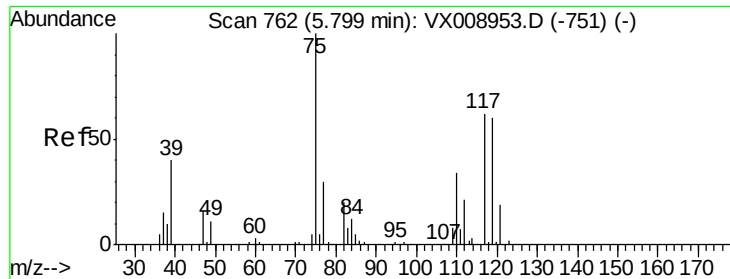
Tot Ion:114 Resp: 393401
Ion Ratio Lower Upper
114 100
63 22.3 0.0 46.0
88 17.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 46.743 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion:113 Resp: 118015
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 21.2 17.4 26.0

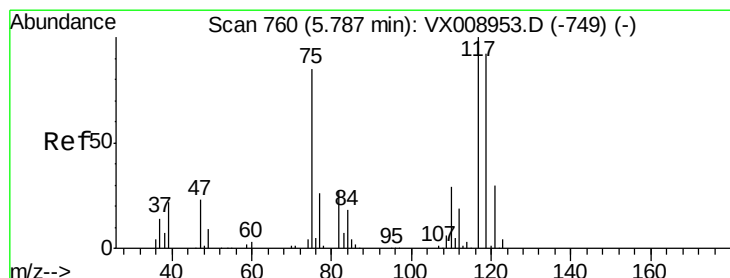
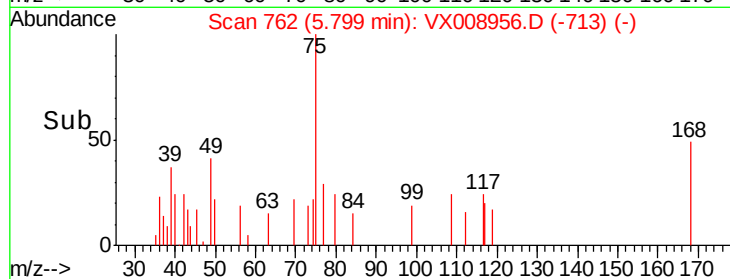
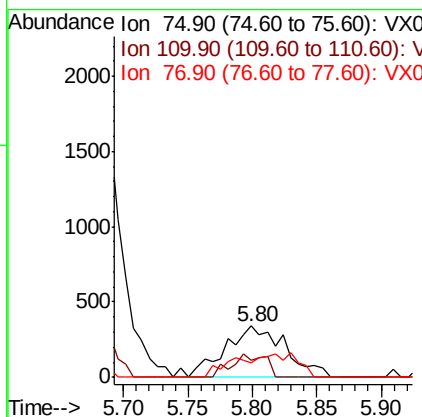
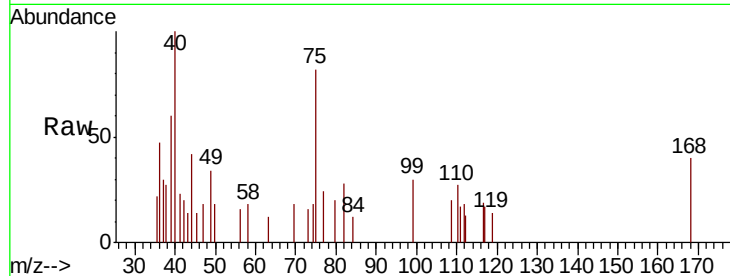




#36
 1,1-Dichloropropene
 Concen: 0.268 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

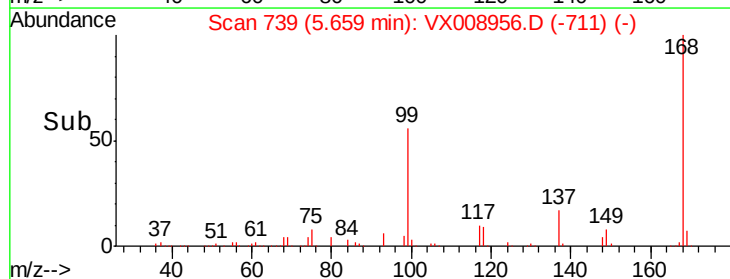
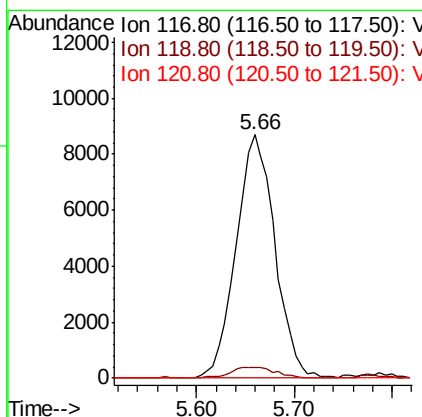
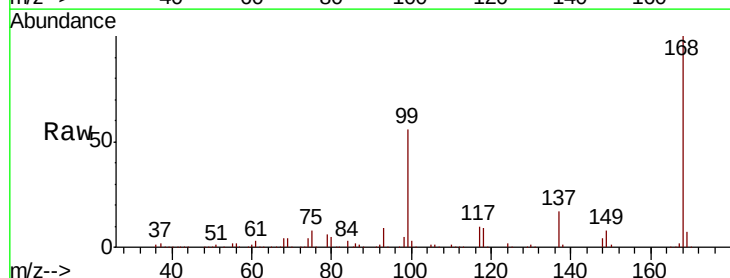
Instrument :
 MSVOA_X
 ClientSampled :

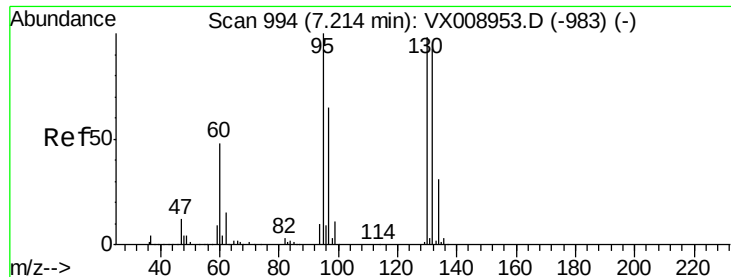
Tot Ion: 75 Resp: 1091
 Ion Ratio Lower Upper
 75 100
 110 25.5 16.9 50.7
 77 19.8 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.949 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Tgt Ion: 117 Resp: 23968
 Ion Ratio Lower Upper
 117 100
 119 4.3 73.8 110.8#
 121 0.0 23.6 35.4#





#44

Trichloroethene

Concen: 0.234 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

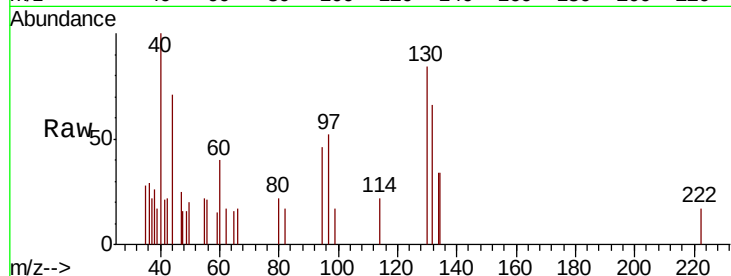
ClientSampled :

Tot Ion:130 Resp: 688

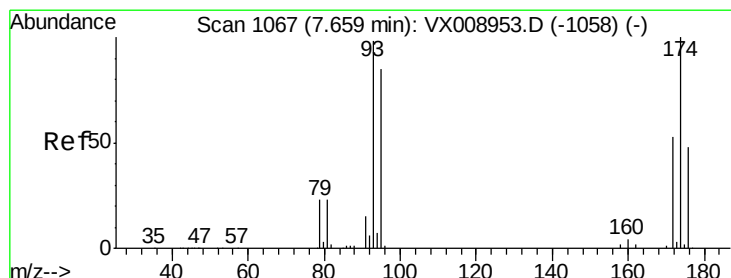
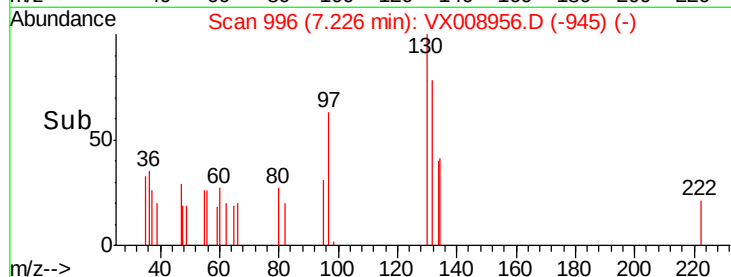
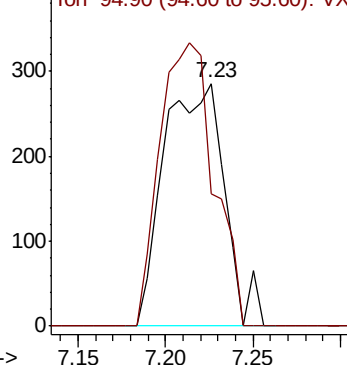
Ion Ratio Lower Upper

130 100

95 54.5 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V



#46

Dibromomethane

Concen: 0.301 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

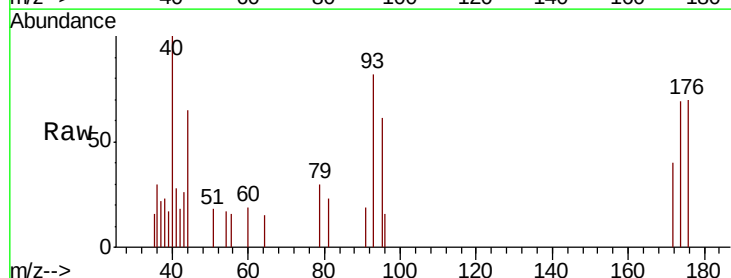
Tgt Ion: 93 Resp: 584

Ion Ratio Lower Upper

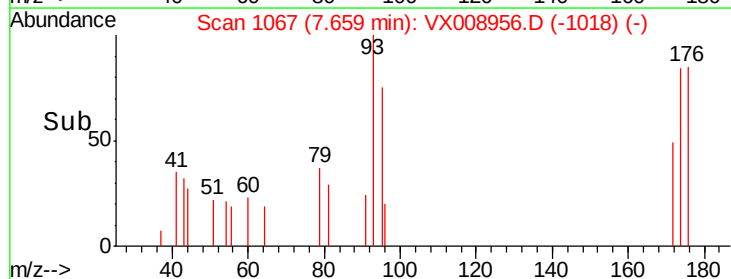
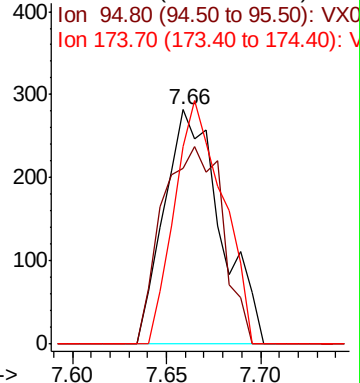
93 100

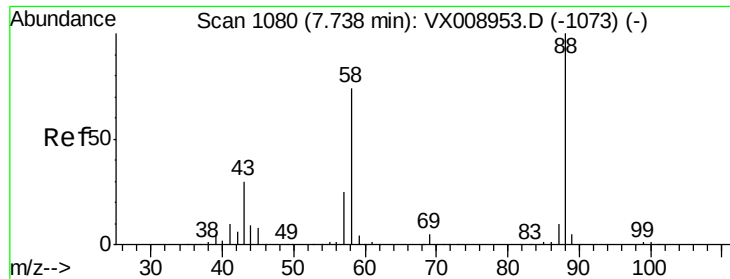
95 90.1 67.0 100.4

174 89.4 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0





#49

1,4-Dioxane

Concen: 6.741 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

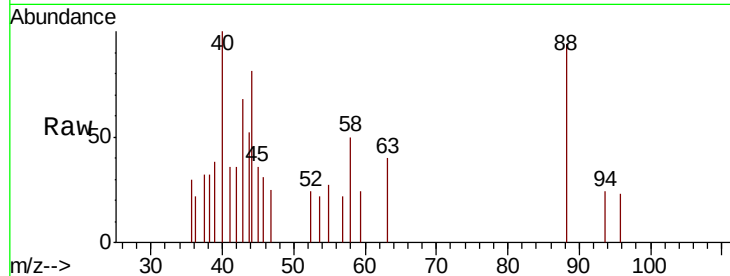
Tot Ion: 88 Resp: 526

Ion Ratio Lower Upper

88 100

43 46.0 29.3 43.9#

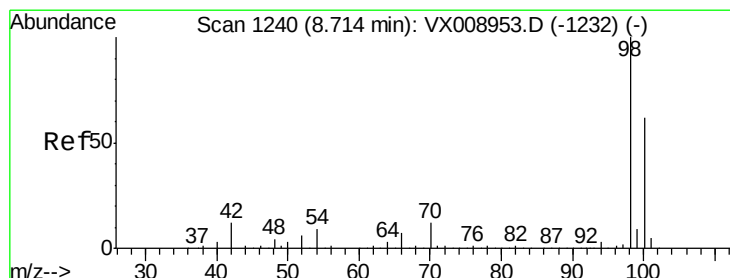
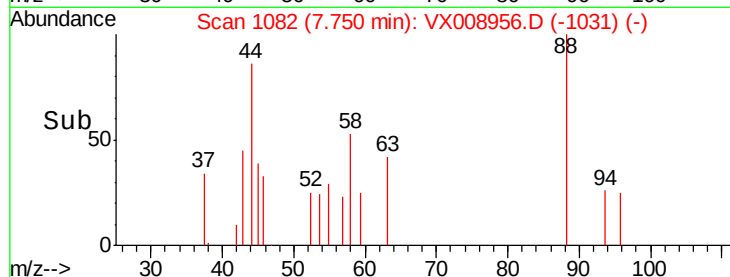
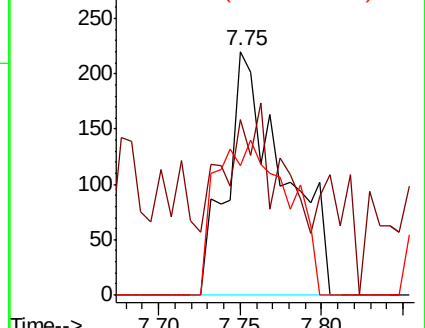
58 82.7 62.6 93.8



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: 48.533 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008956.D

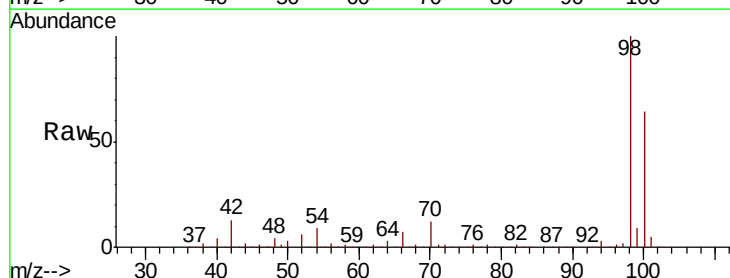
Acq: 15 Apr 2019 12:22

Tgt Ion: 98 Resp: 488675

Ion Ratio Lower Upper

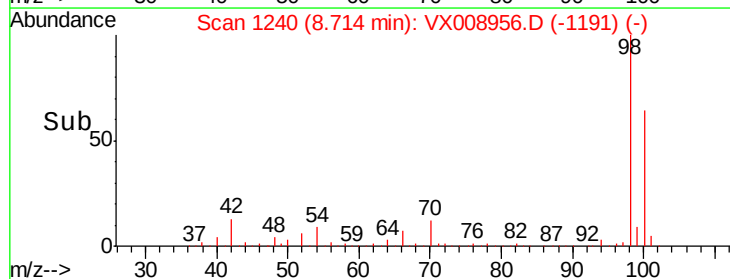
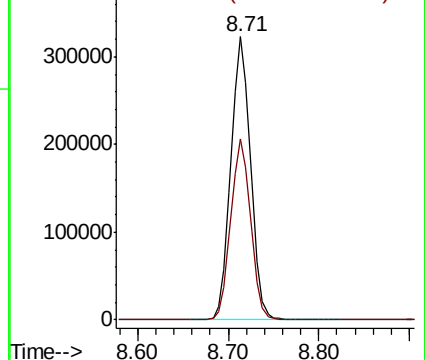
98 100

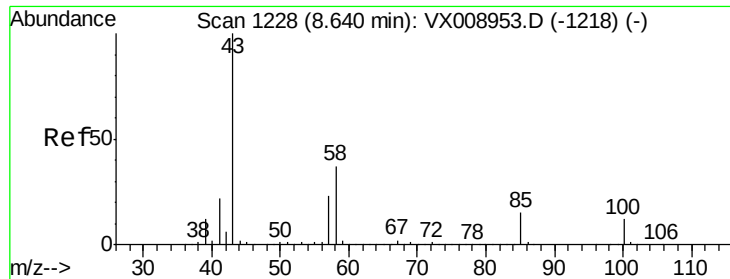
100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.398 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

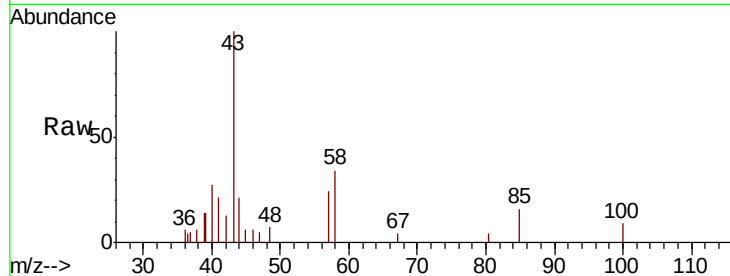
ClientSampled :

Tot Ion: 43 Resp: 2140

Ion Ratio Lower Upper

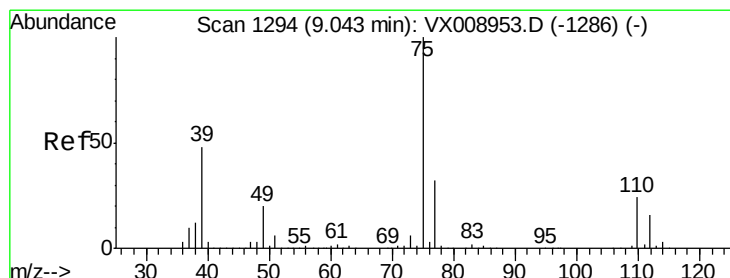
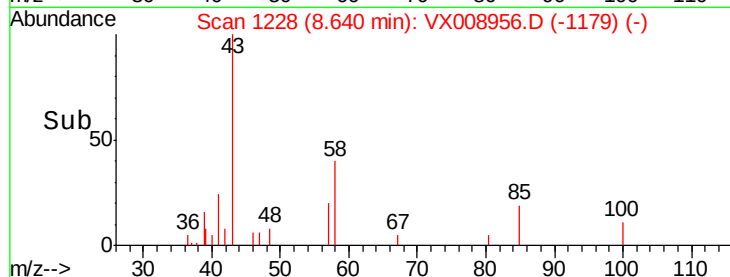
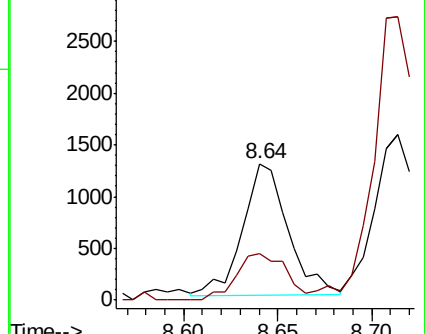
43 100

58 38.4 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.217 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008956.D

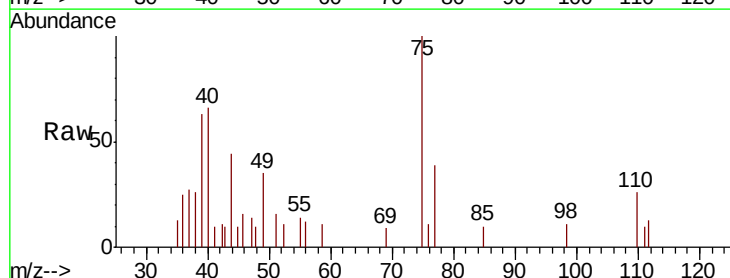
Acq: 15 Apr 2019 12:22

Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

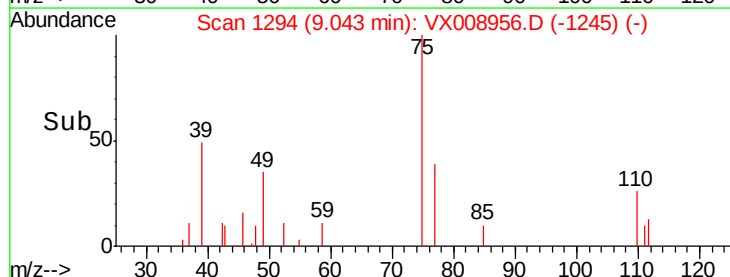
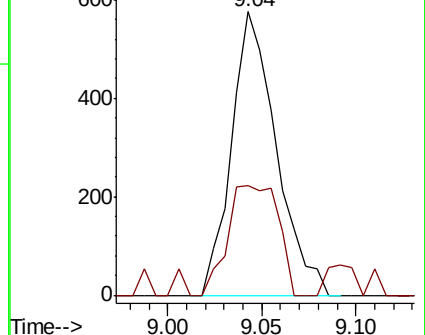
75 100

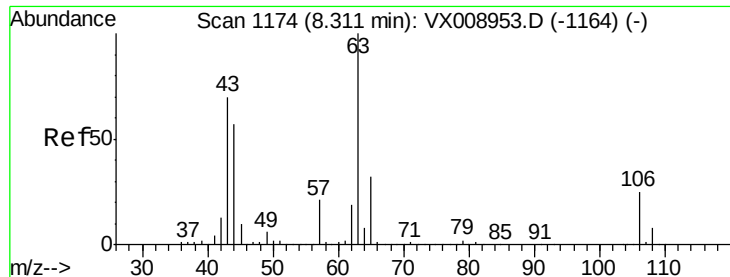
77 38.5 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

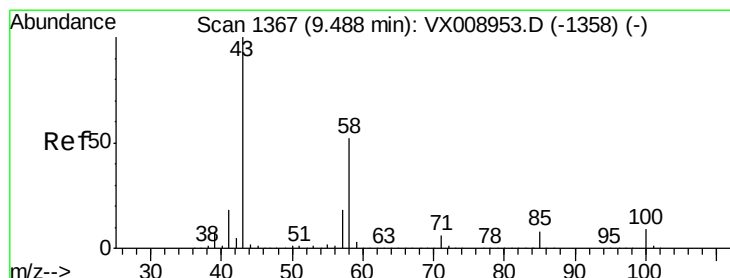
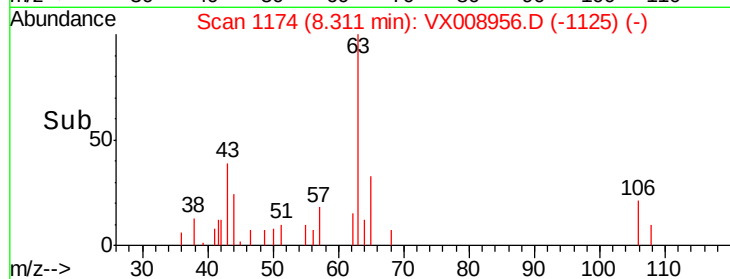
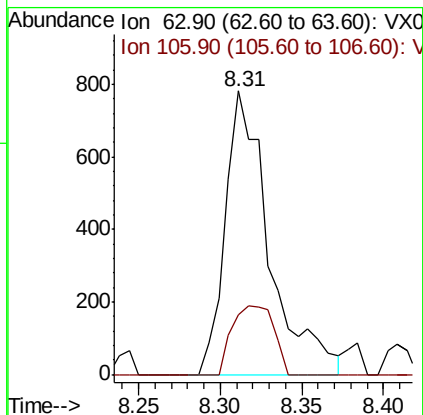
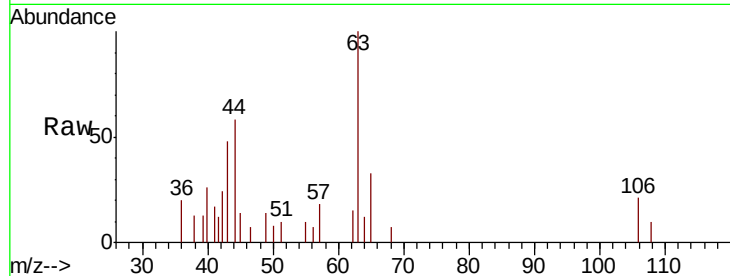




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.532 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

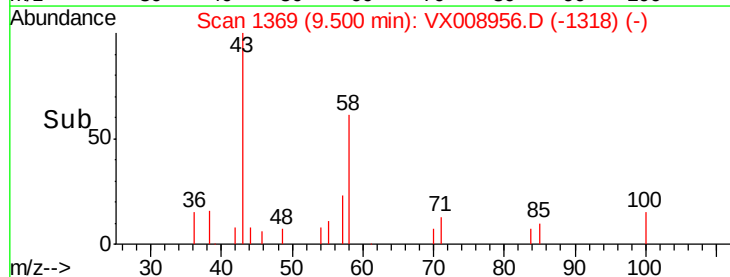
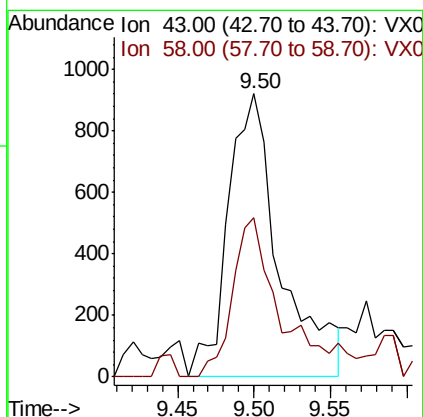
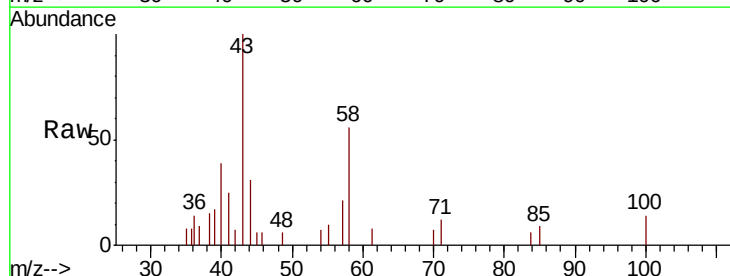
Instrument :
 MSVOA_X
 ClientSampleId :

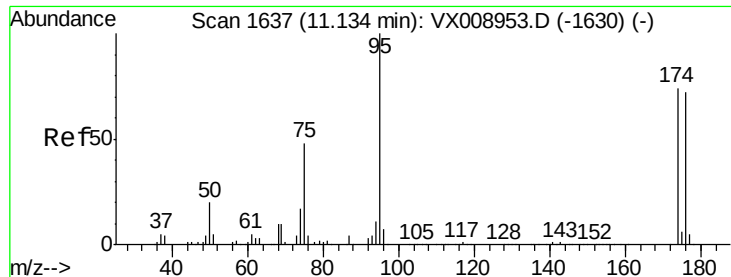
Tot Ion: 63 Resp: 1464
 Ion Ratio Lower Upper
 63 100
 106 23.0 19.8 29.6



#59
 2-Hexanone
 Concen: 0.521 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Tgt Ion: 43 Resp: 2160
 Ion Ratio Lower Upper
 43 100
 58 54.1 25.9 77.8





#62

4-Bromofluorobenzene

Concen: 45.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

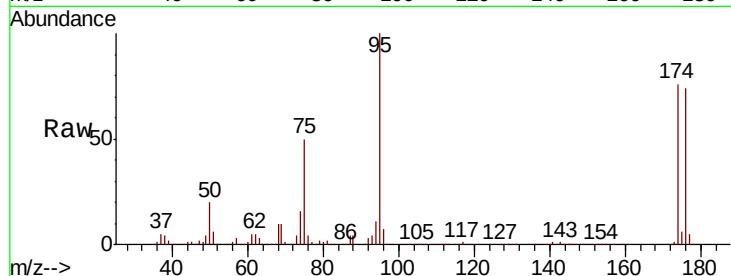
Tot Ion: 95 Resp: 159988

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.6

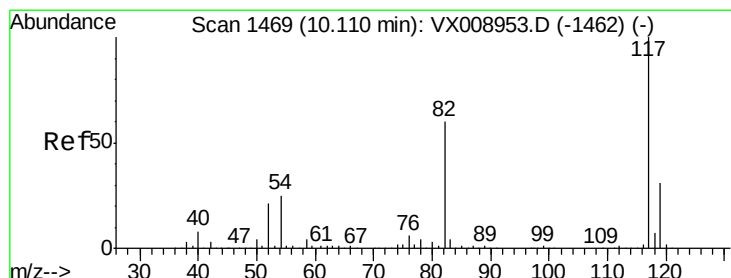
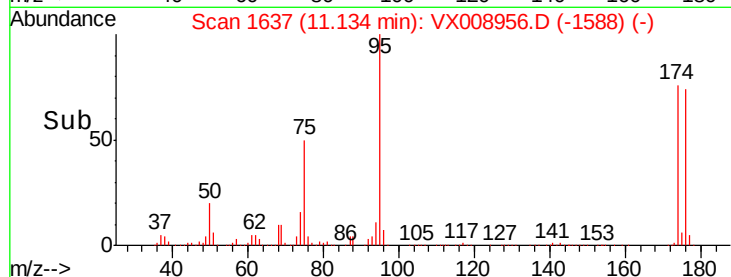
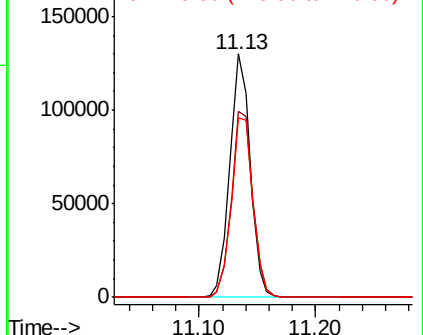
176 77.5 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008956.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008956.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008956.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

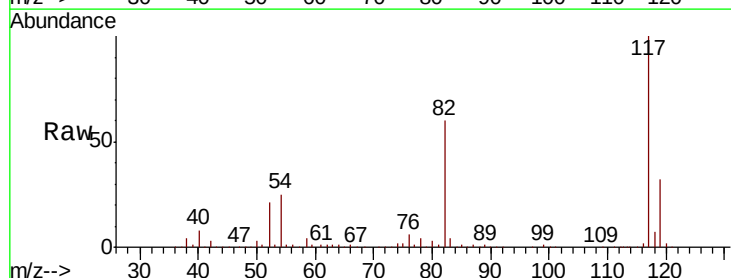
Tgt Ion: 117 Resp: 335404

Ion Ratio Lower Upper

117 100

82 60.0 48.2 72.4

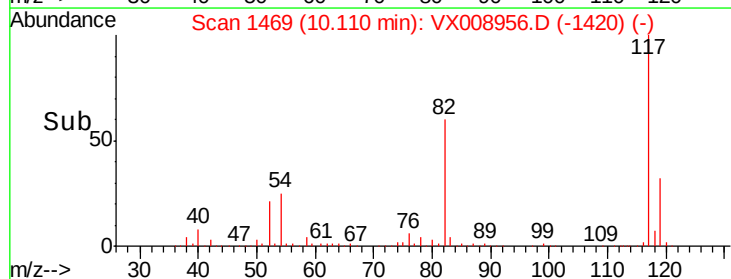
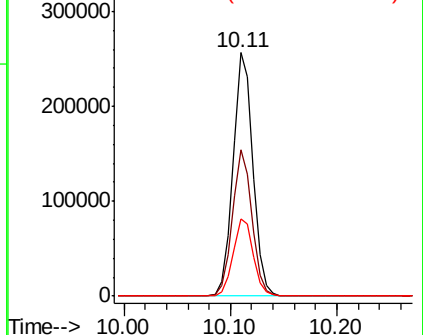
119 31.7 25.0 37.6

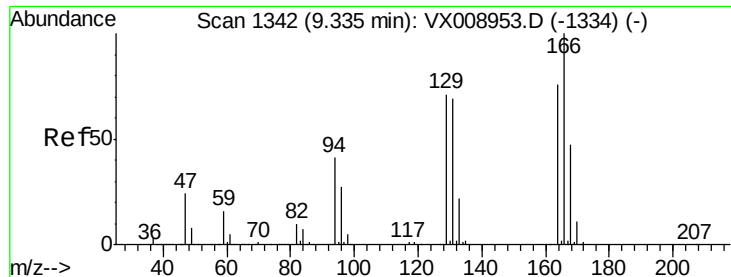


Abundance Ion 116.90 (116.60 to 117.60): VX008956.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008956.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008956.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.230 ug/l

RT: 9.33 min Scan# 1341

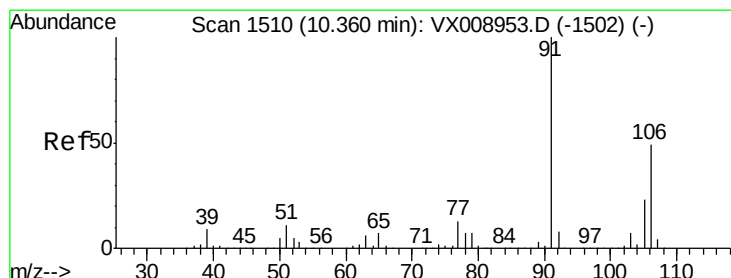
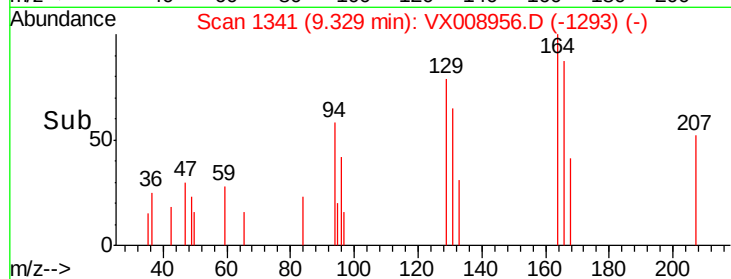
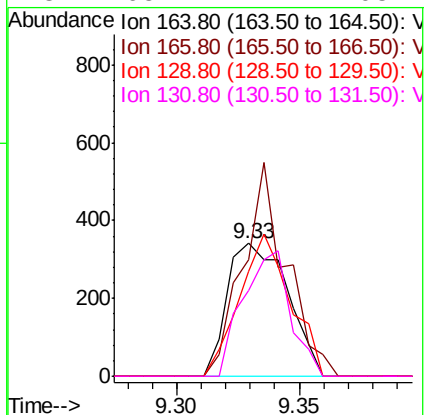
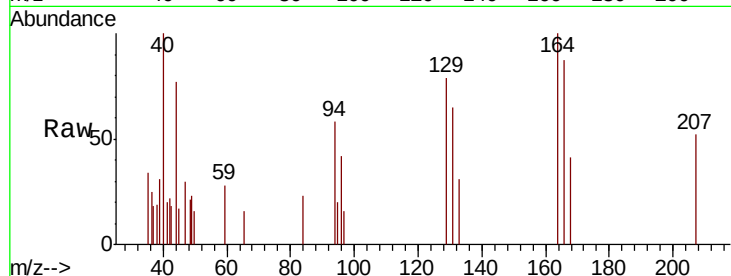
Delta R.T. -0.01 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	164	Resp:	586
Ion	Ratio	Lower	Upper
164	100		
166	87.4	105.0	157.4#
129	78.9	74.2	111.4
131	65.1	72.2	108.2#



#68

m/p-Xylenes

Concen: 0.248 ug/l

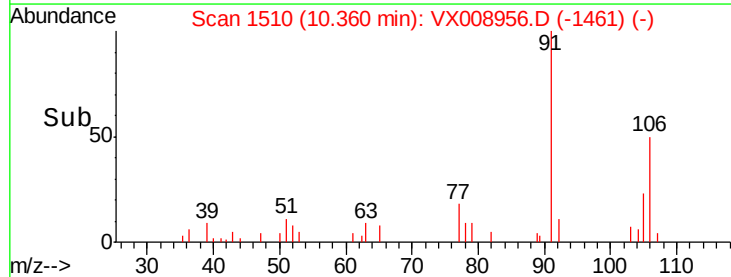
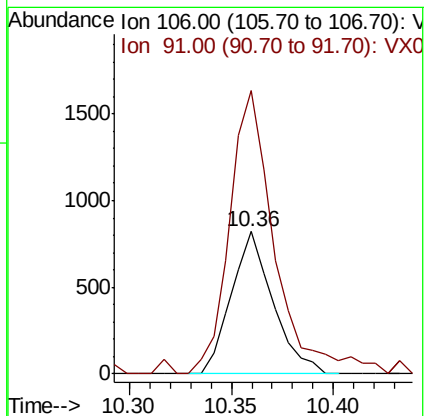
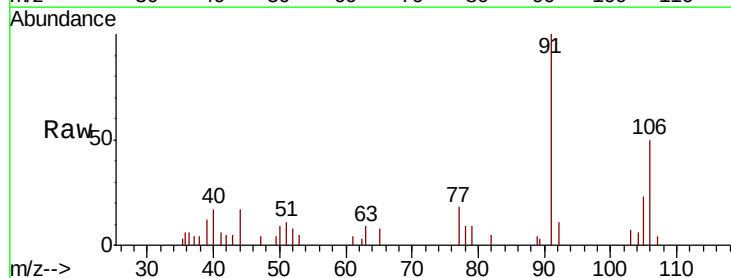
RT: 10.36 min Scan# 1510

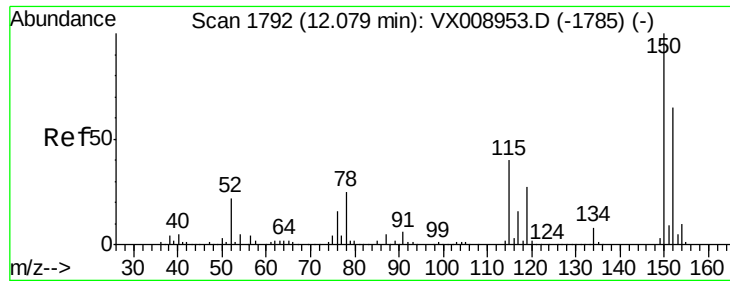
Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Tgt Ion:	106	Resp:	1168
Ion	Ratio	Lower	Upper
106	100		
91	214.7	165.4	248.2



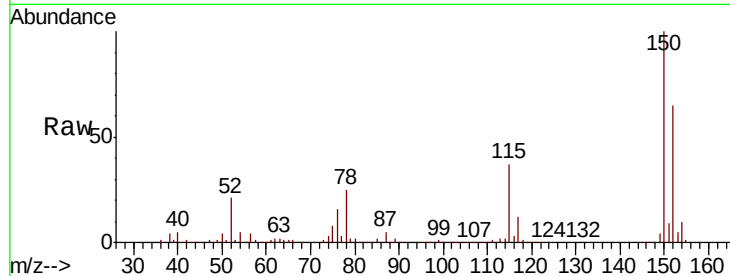


#72

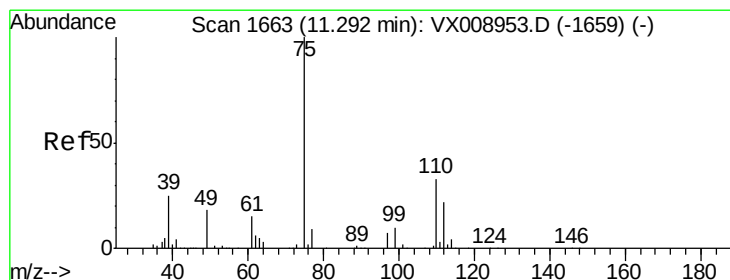
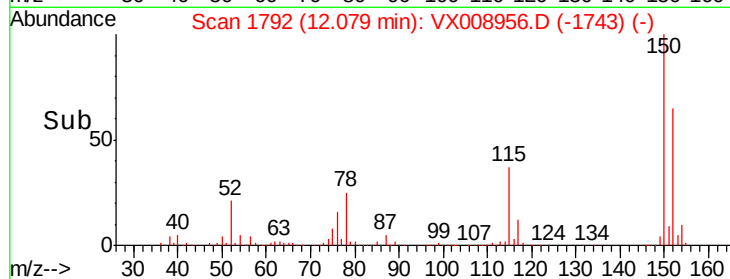
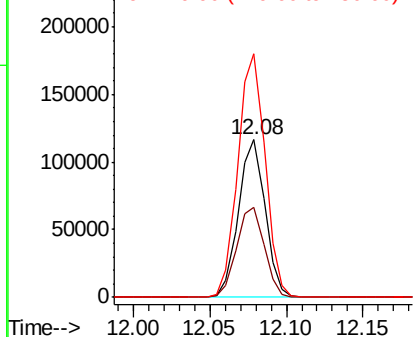
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 141484
Ion Ratio Lower Upper
152 100
115 59.5 41.4 124.2
150 157.3 0.0 349.8



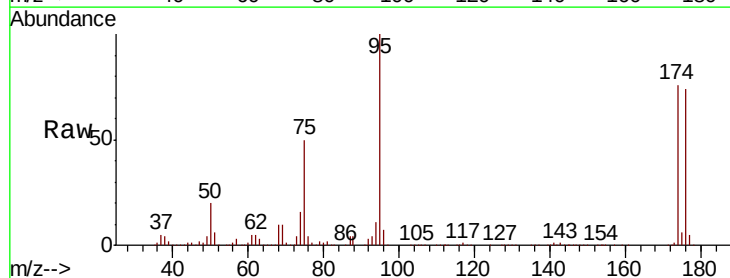
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



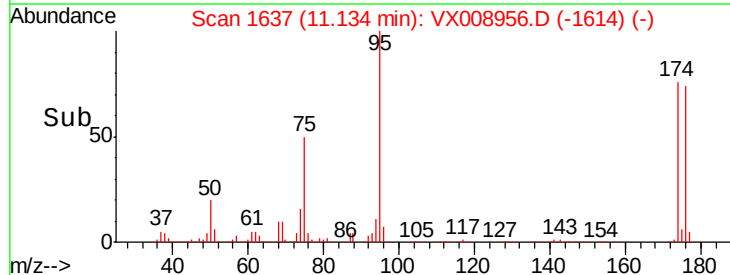
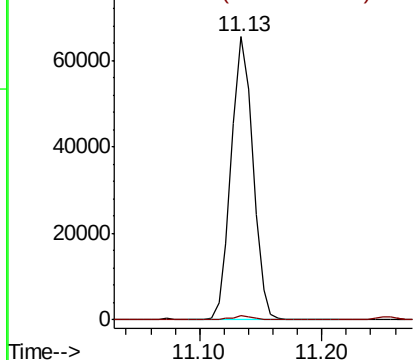
#76

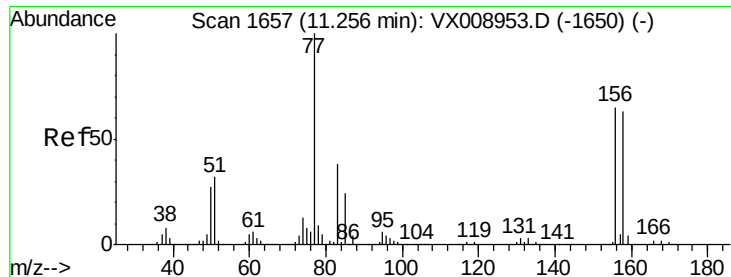
1,2,3-Trichloropropane
Concen: 23.360 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 75 Resp: 80702
Ion Ratio Lower Upper
75 100
77 1.3 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 0.245 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampleId :

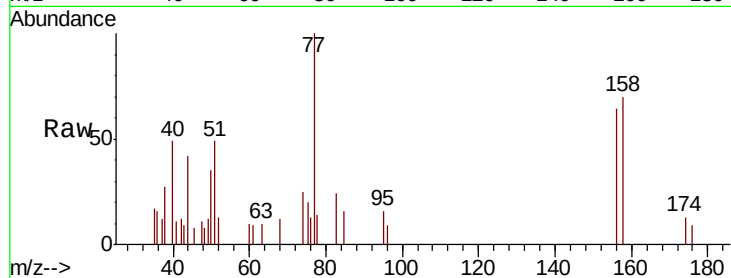
Tot Ion:156 Resp: 662

Ion Ratio Lower Upper

156 100

77 160.0 85.4 256.1

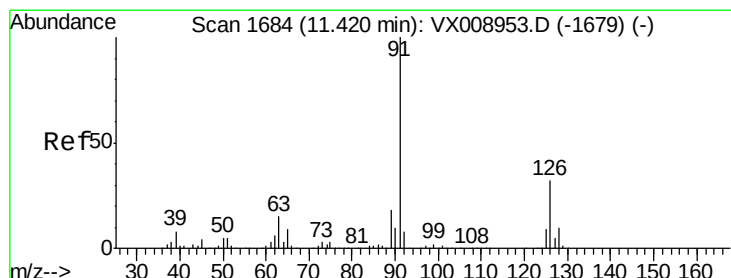
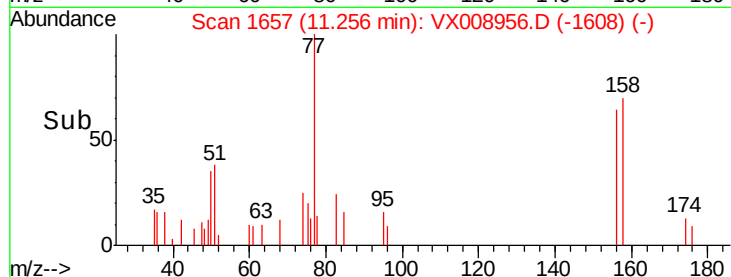
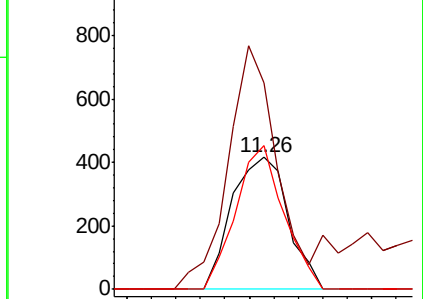
158 93.4 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#79

2-Chlorotoluene

Concen: 0.205 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX008956.D

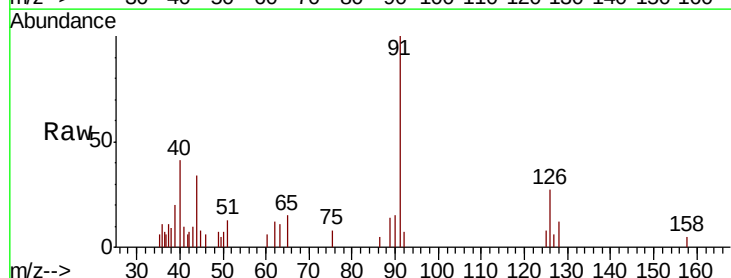
Acq: 15 Apr 2019 12:22

Tgt Ion: 91 Resp: 1524

Ion Ratio Lower Upper

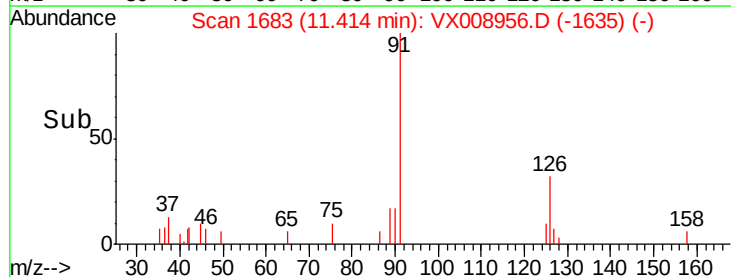
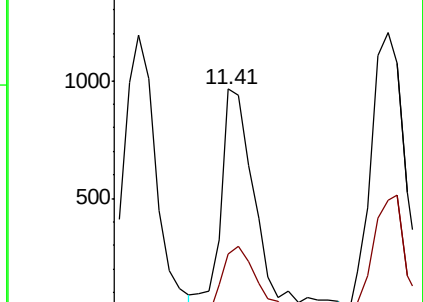
91 100

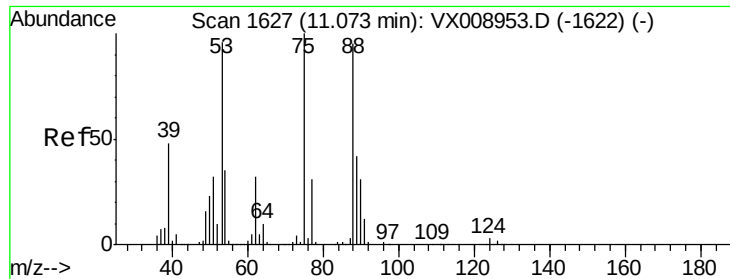
126 28.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

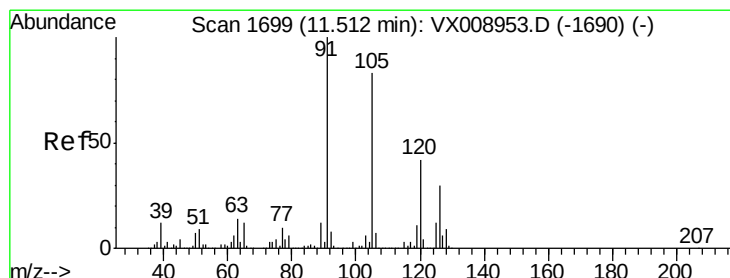
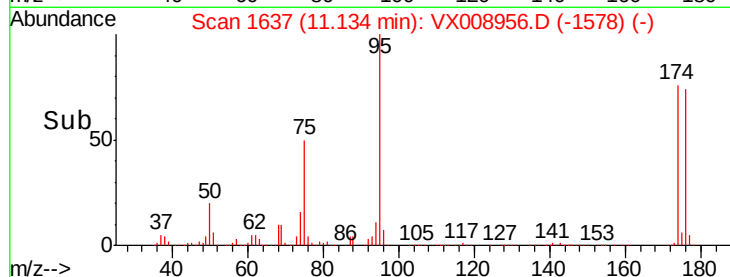
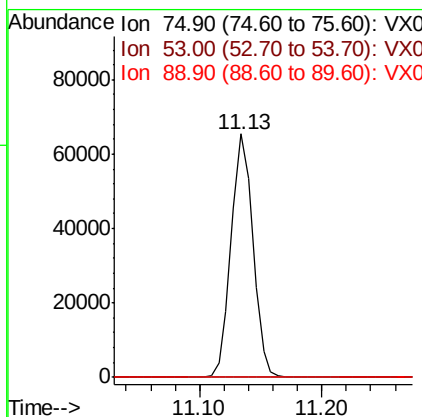
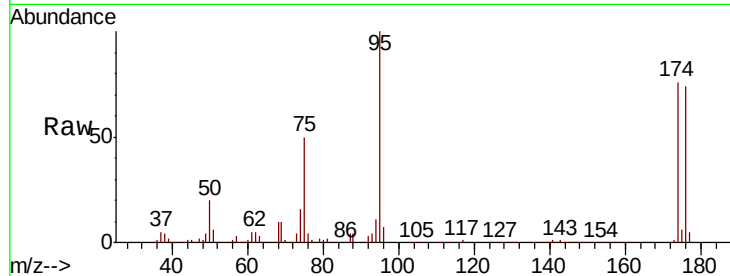




#81
trans-1,4-Dichloro-2-butene
Concen: 59.971 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

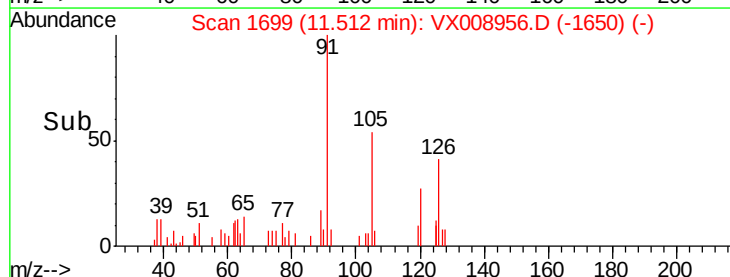
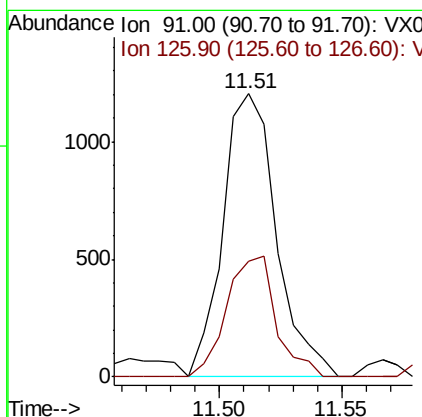
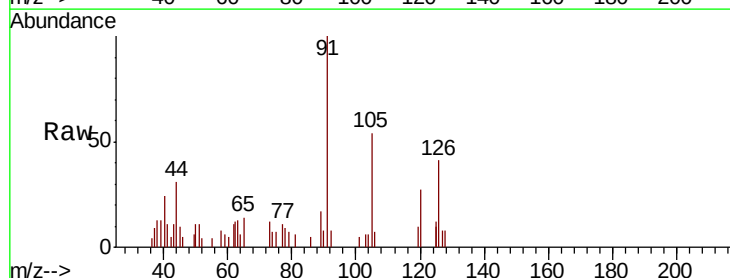
Instrument :
MSVOA_X
ClientSampled :

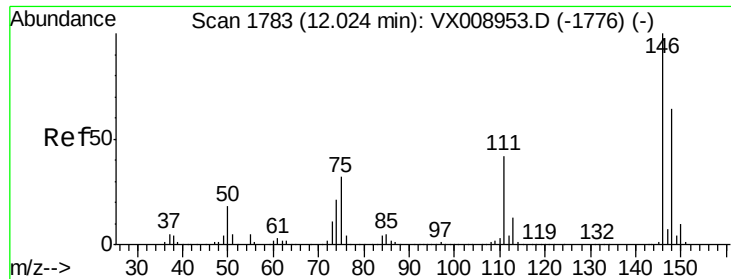
Tot Ion: 75 Resp: 80702
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 36.0 54.0#



#82
4-Chlorotoluene
Concen: 0.212 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion: 91 Resp: 1825
Ion Ratio Lower Upper
91 100
126 39.6 14.3 42.9

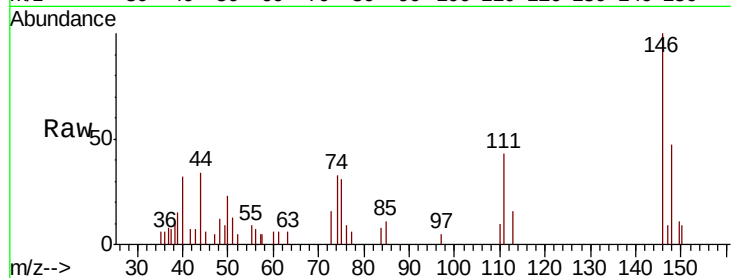




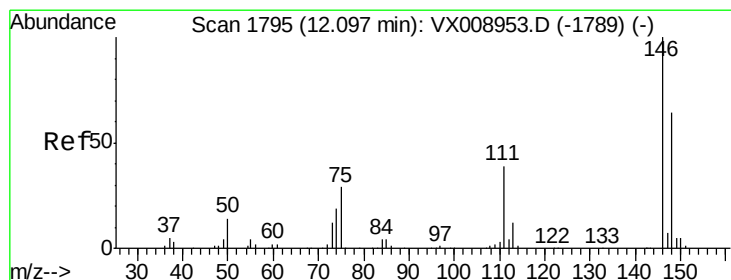
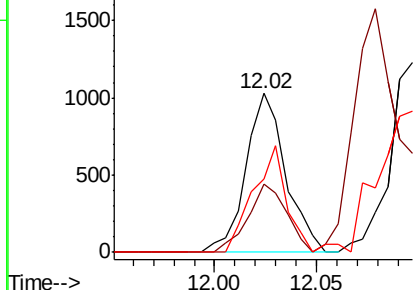
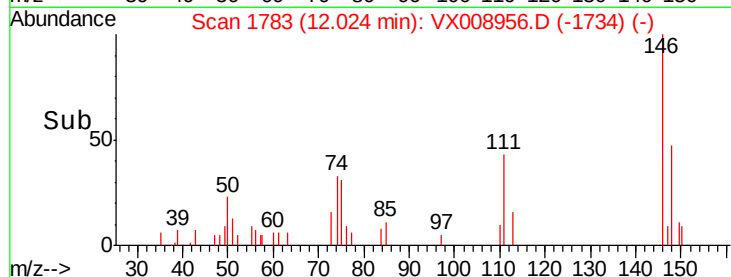
#87
 1,3-Dichlorobenzene
 Concen: 0.296 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 1401
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.5 61.6
 148 57.0 32.2 96.6

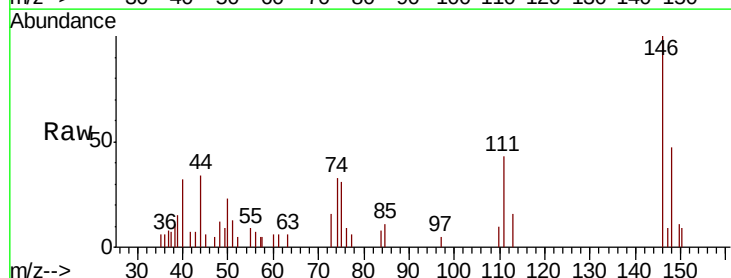


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

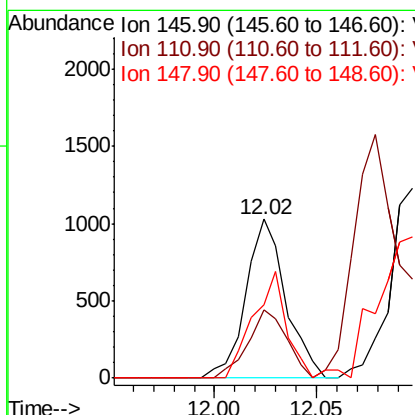
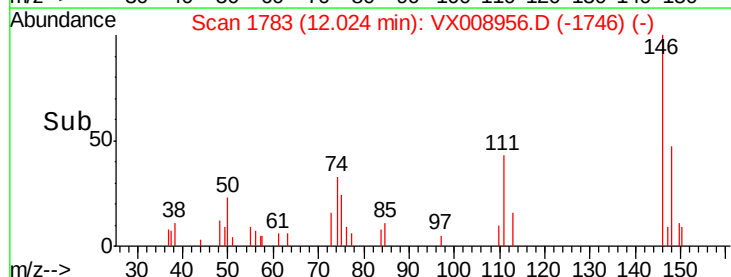


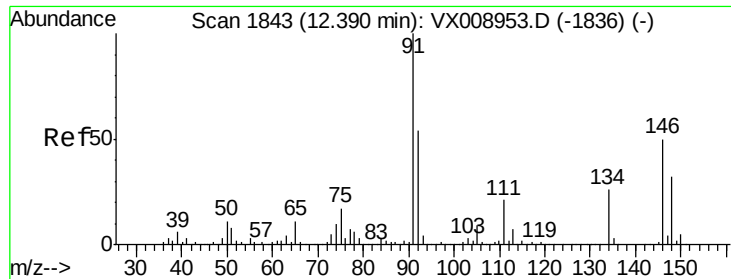
#88
 1,4-Dichlorobenzene
 Concen: 0.292 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.07 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Tgt Ion:146 Resp: 1401
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 59.9
 148 57.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 0.238 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

Instrument :

MSVOA_X

ClientSampled :

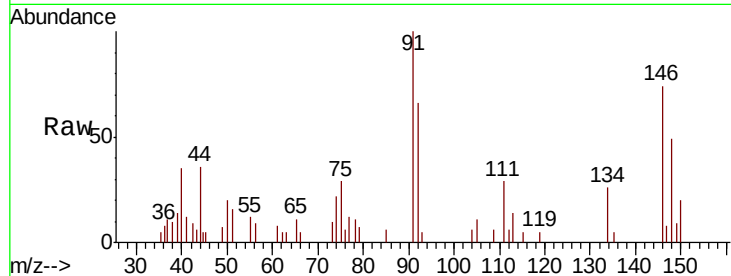
Tot Ion:146 Resp: 1111

Ion Ratio Lower Upper

146 100

111 42.2 20.6 61.9

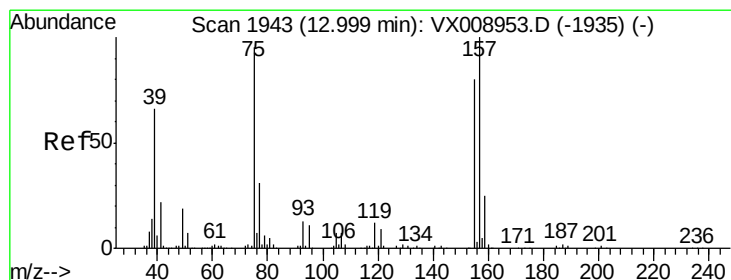
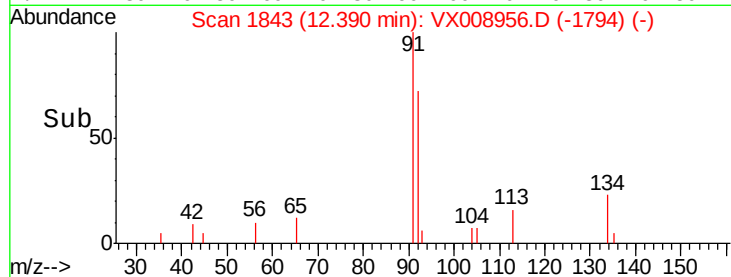
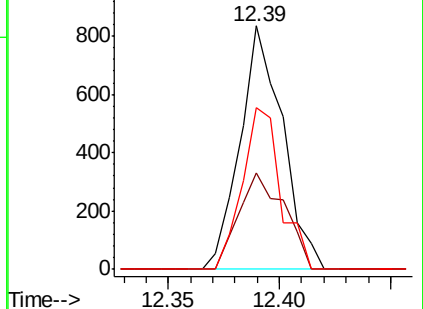
148 60.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.277 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX008956.D

Acq: 15 Apr 2019 12:22

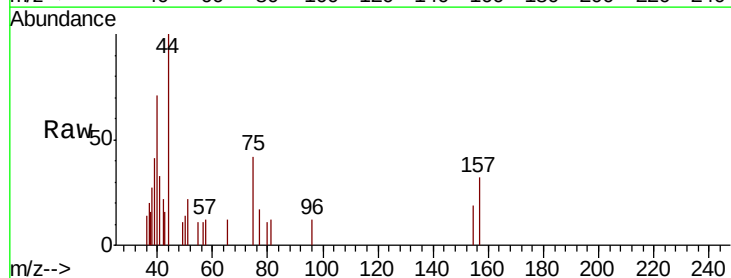
Tgt Ion: 75 Resp: 247

Ion Ratio Lower Upper

75 100

155 84.2 41.2 123.6

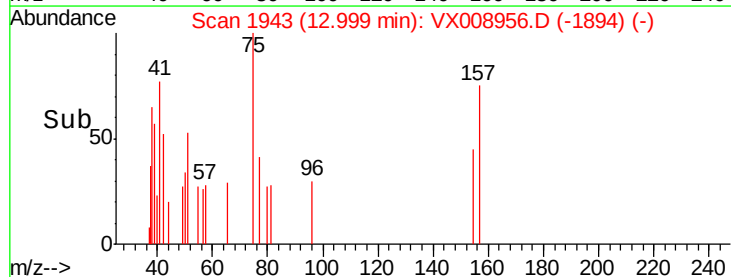
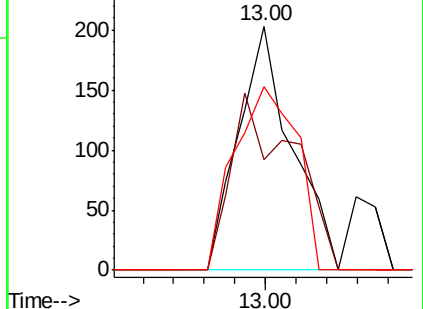
157 87.9 52.5 157.6

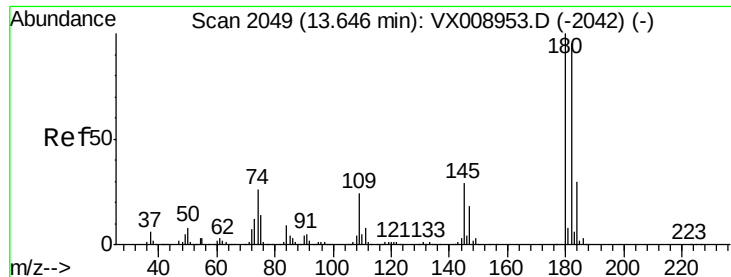


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

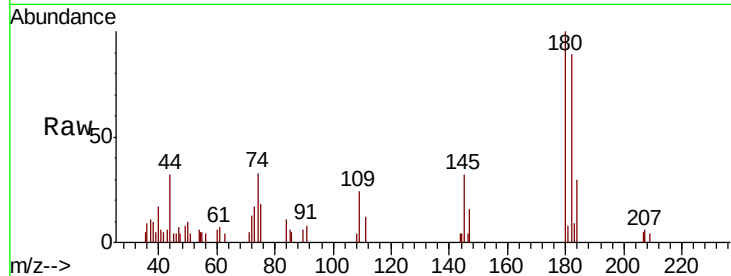




#93
 1,2,4-Trichlorobenzene
 Concen: 0.565 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	47.6	142.9
145	28.9	14.8	44.4

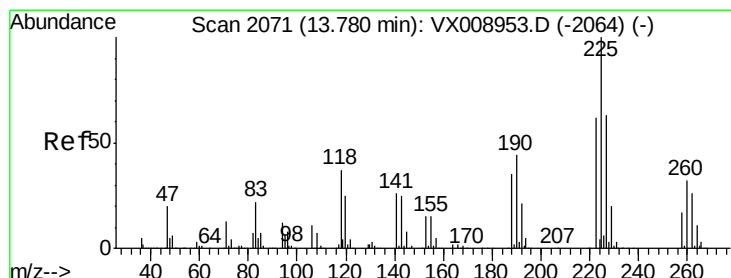
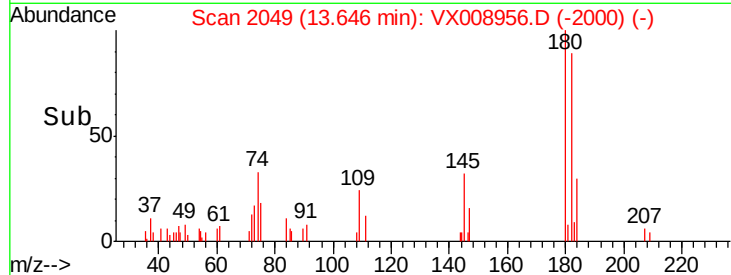
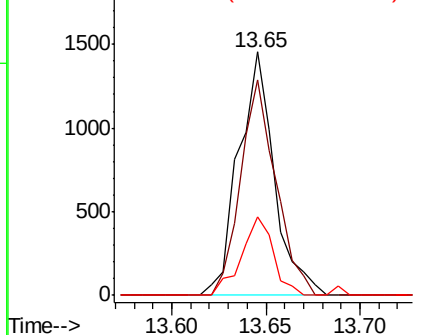


Abundance

Ion 179.80 (179.50 to 180.50): V

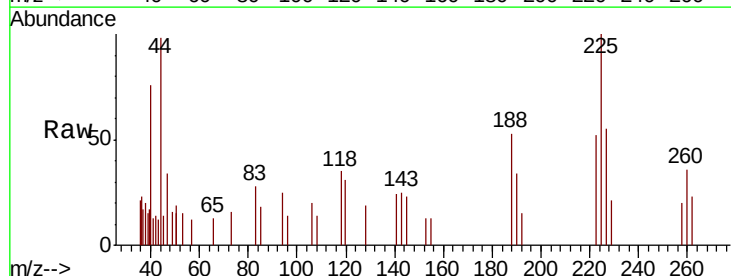
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.239 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008956.D
 Acq: 15 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.6	31.1	93.2
227	62.4	32.0	96.2

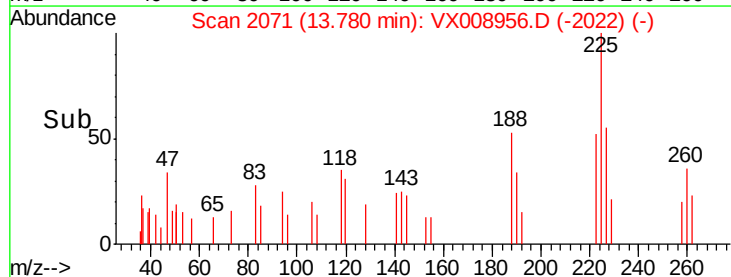
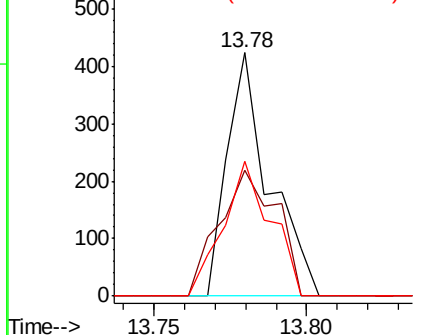


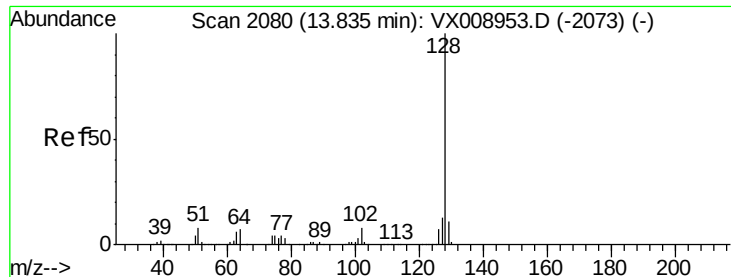
Abundance

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

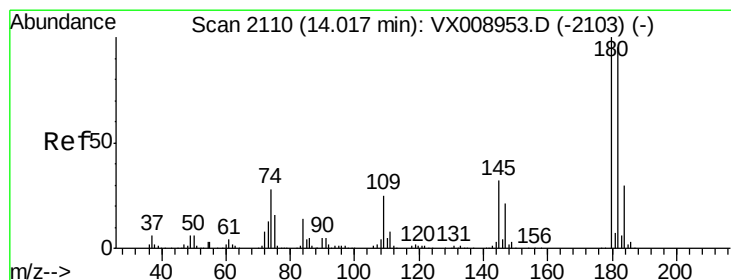
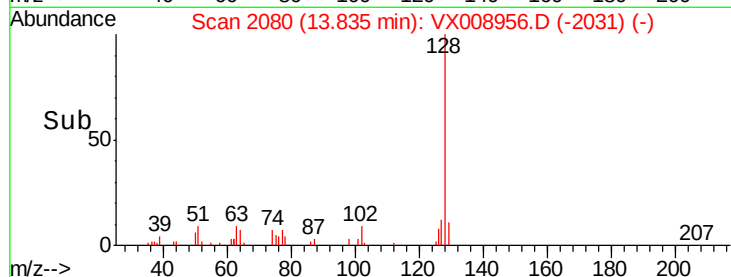
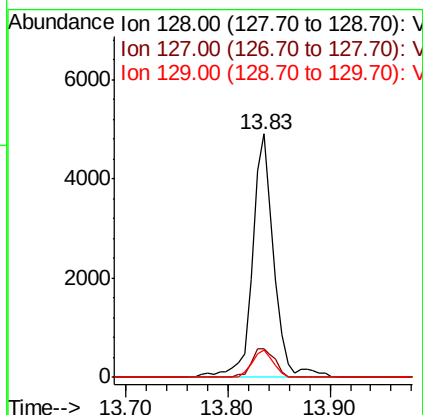
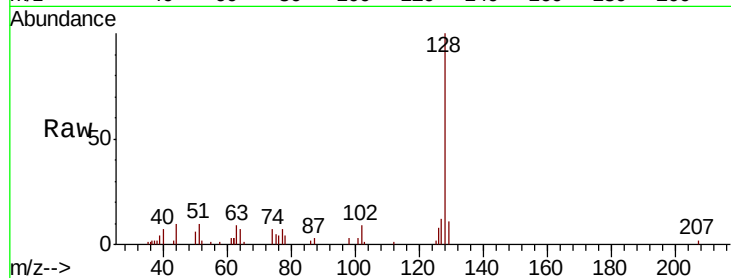




#95
Naphthalene
Concen: 0.670 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 7249
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.538 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008956.D
Acq: 15 Apr 2019 12:22

Tgt Ion:180 Resp: 1792
Ion Ratio Lower Upper
180 100
182 107.6 47.8 143.4
145 32.6 15.8 47.3

