

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009026.D
 Acq On : 17 Apr 2019 19:41
 Operator : JC/SP
 Sample : K2449-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW144-190415

Quant Time: Apr 18 01:39:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

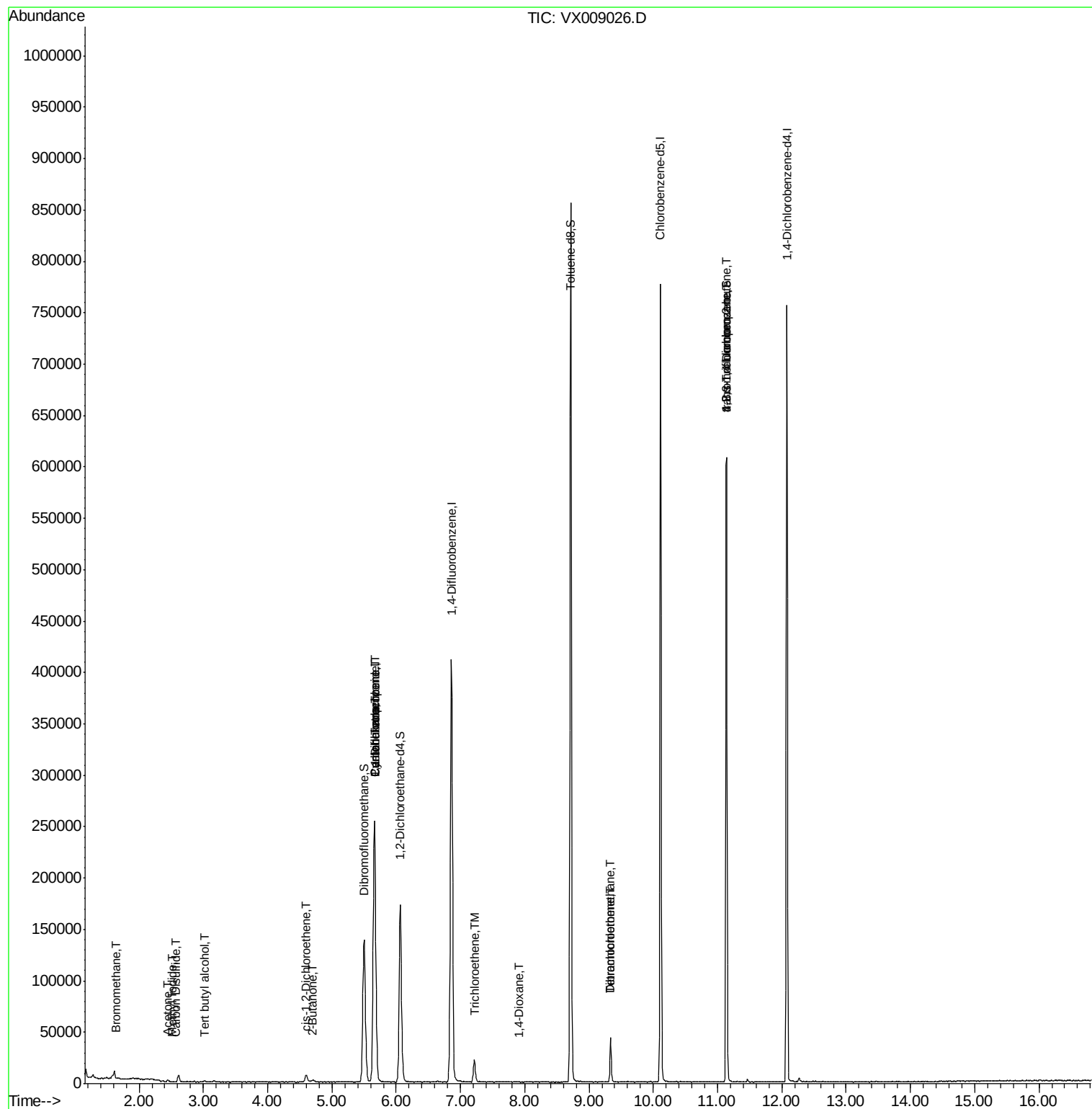
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146597	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	163486	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
35) Dibromofluoromethane	5.50	113	119392	46.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.98%	
50) Toluene-d8	8.71	98	496210	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.13	95	166256	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	219	3.943	ug/l	88
10) Methyl Iodide	2.51	142	19	4.421	ug/l #	42
11) Tert butyl alcohol	3.03	59	865	1.112	ug/l #	72
16) Acetone	2.45	43	1757	0.967	ug/l #	85
17) Carbon Disulfide	2.57	76	426	1.306	ug/l #	75
25) 2-Butanone	4.69	43	920	0.317	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	4339	1.344	ug/l	87
28) Bromochloromethane	5.00	49	77	Below Cal	#	21
31) Cyclohexane	5.67	56	5477	0.982	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19365	4.679	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23520	6.704	ug/l #	17
44) Trichloroethene	7.21	130	8288	2.771	ug/l	100
49) 1,4-Dioxane	7.91	88	25	0.315	ug/l #	1
60) Dibromochloromethane	9.34	129	7945	2.859	ug/l #	10
64) Tetrachloroethene	9.34	164	8291	3.132	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	84578	23.628	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	84578	60.659	ug/l #	11

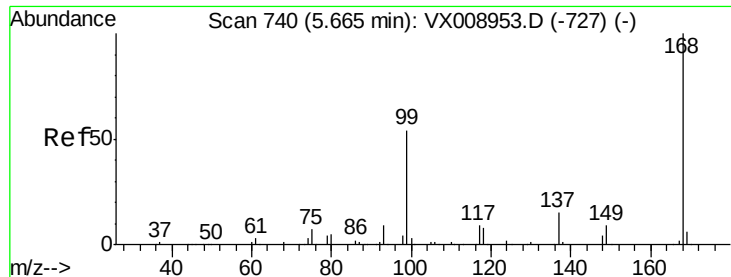
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009026.D
Acq On : 17 Apr 2019 19:41
Operator : JC/SP
Sample : K2449-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-190415

Quant Time: Apr 18 01:39:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

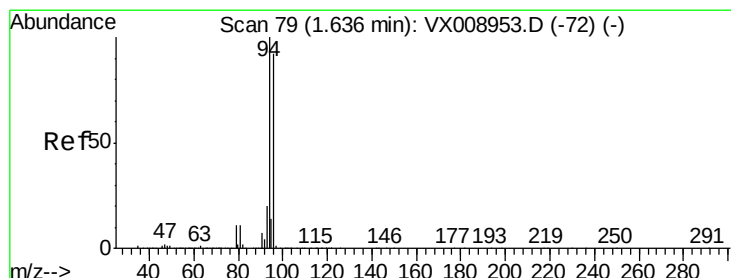
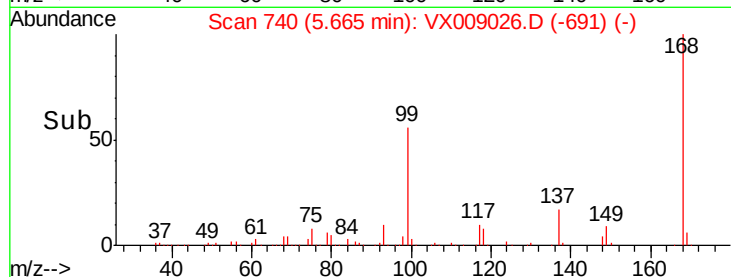
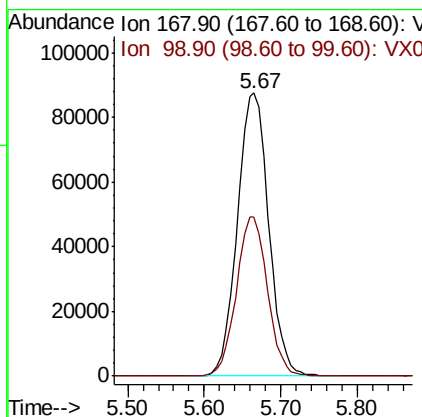
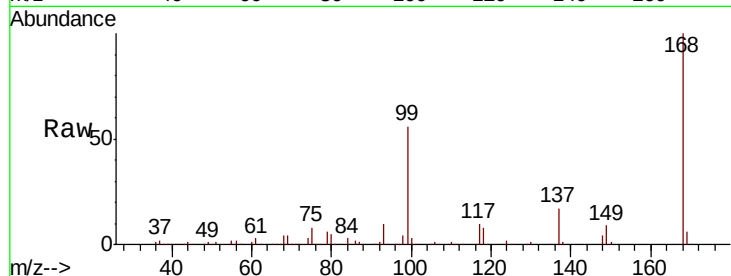




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

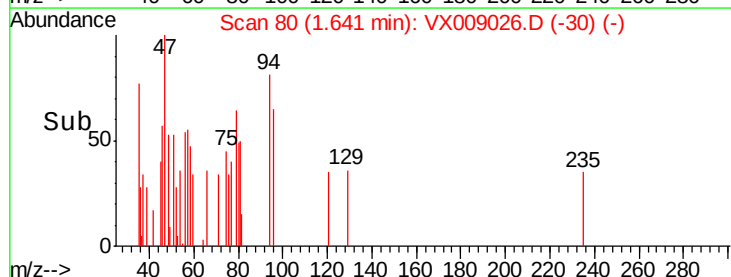
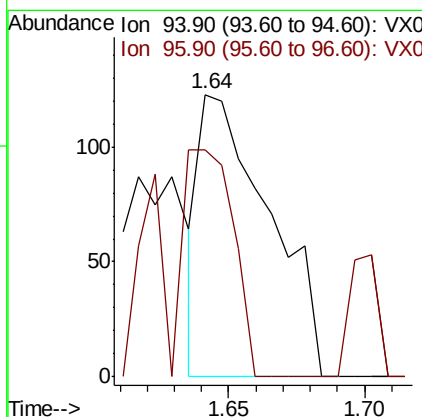
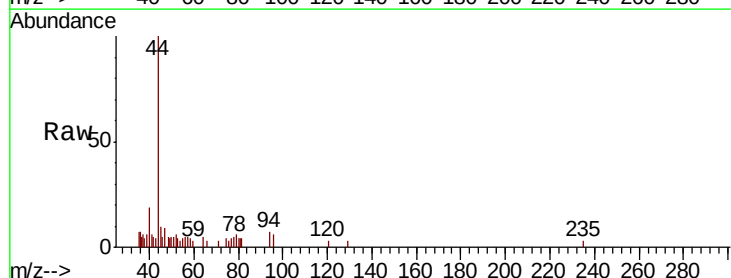
Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-190415

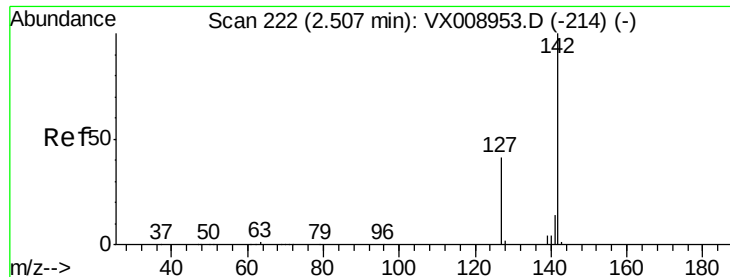
Tot Ion:168 Resp: 248566
Ion Ratio Lower Upper
168 100
99 56.5 43.0 64.6



#5
Bromomethane
Concen: 3.943 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 80.5 73.9 110.9





#10

Methyl Iodide

Concen: 4.421 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-190415

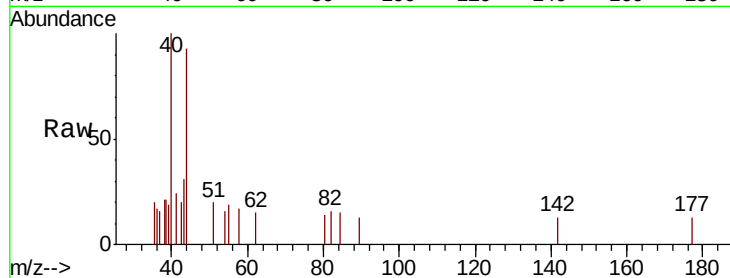
Tot Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

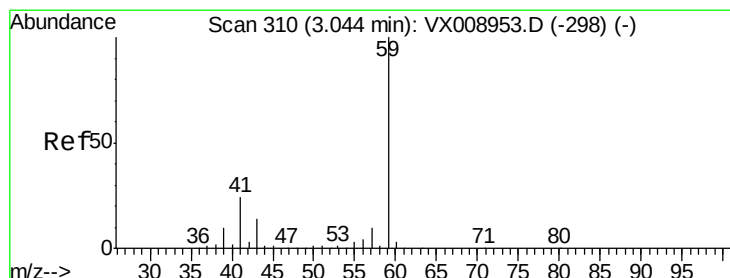
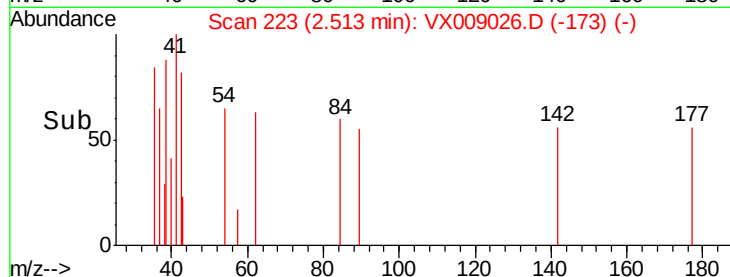
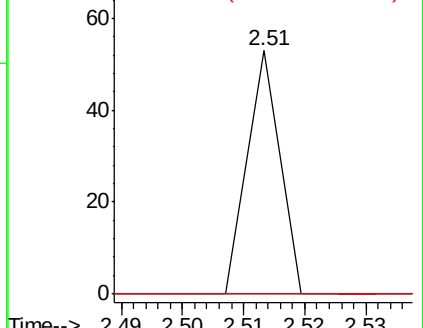
141 0.0 11.4 17.2#



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: 1.112 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009026.D

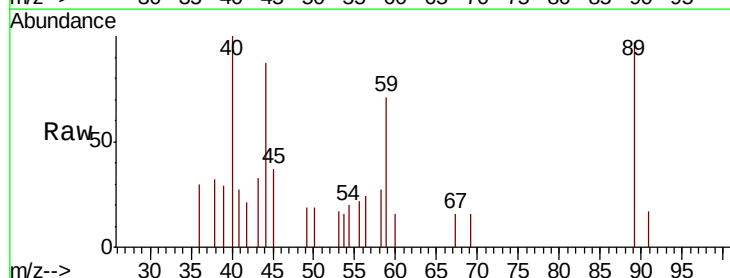
Acq: 17 Apr 2019 19:41

Tgt Ion: 59 Resp: 865

Ion Ratio Lower Upper

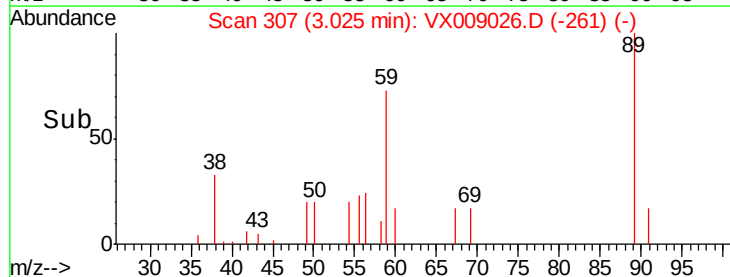
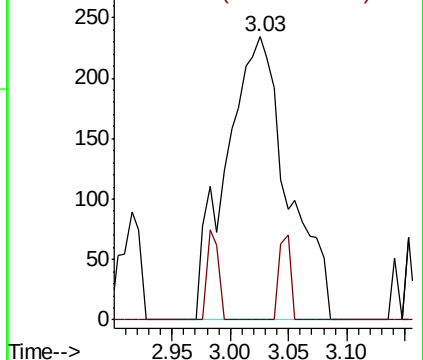
59 100

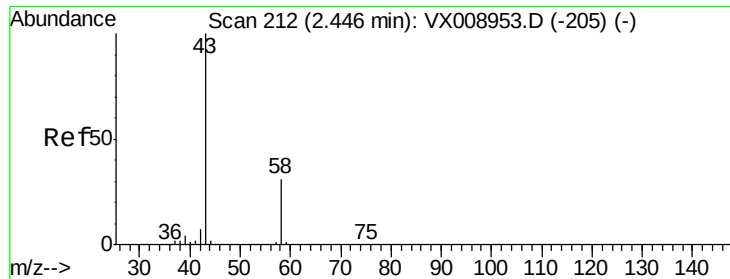
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.967 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

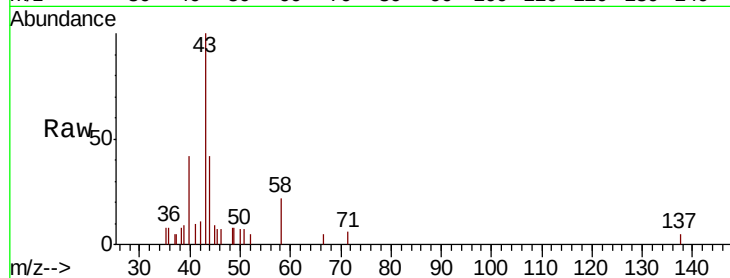
KY037MW144-190415

Tot Ion: 43 Resp: 1757

Ion Ratio Lower Upper

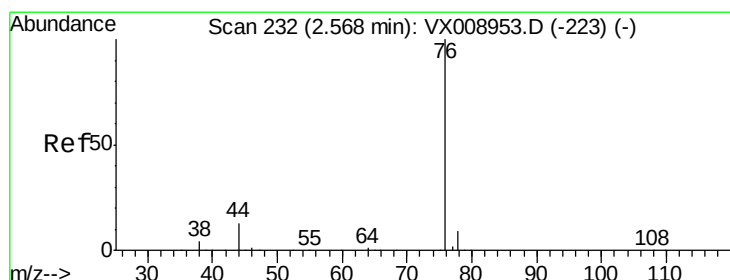
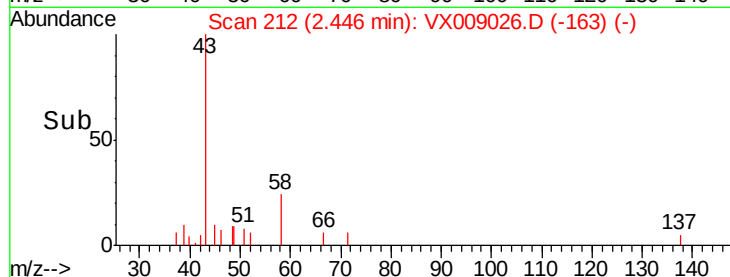
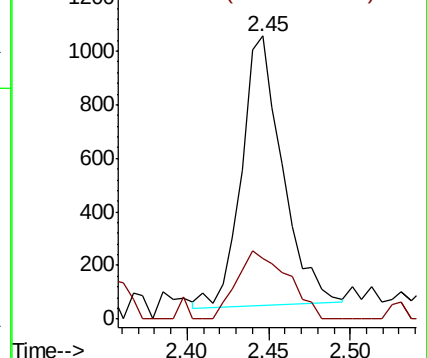
43 100

58 23.0 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: 1.306 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009026.D

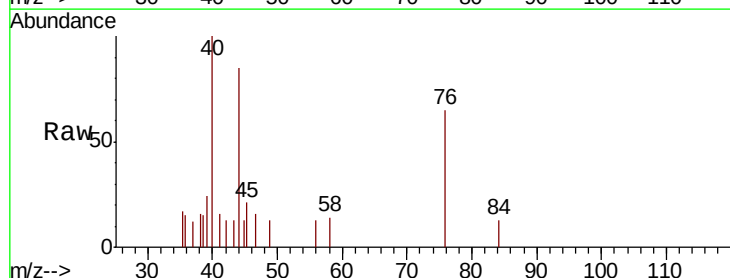
Acq: 17 Apr 2019 19:41

Tgt Ion: 76 Resp: 426

Ion Ratio Lower Upper

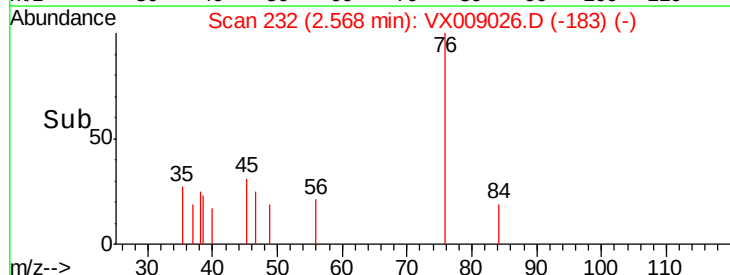
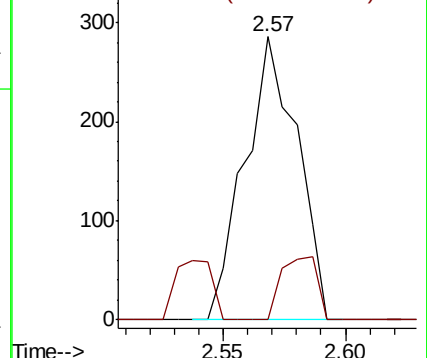
76 100

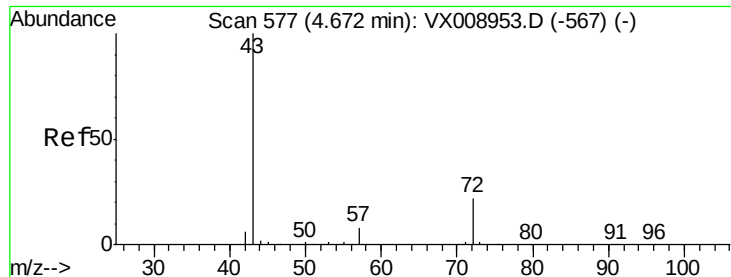
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.317 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

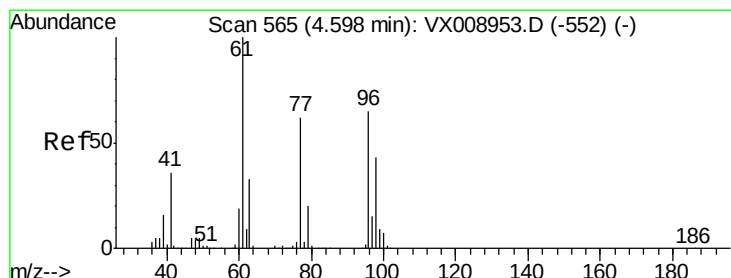
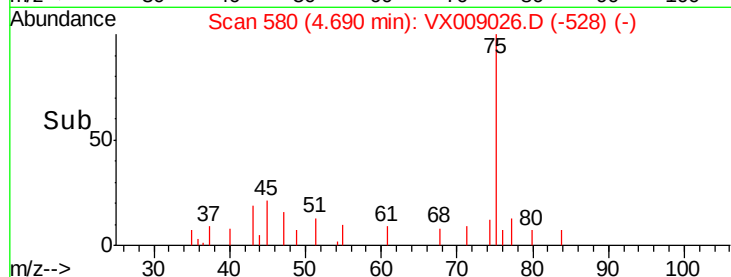
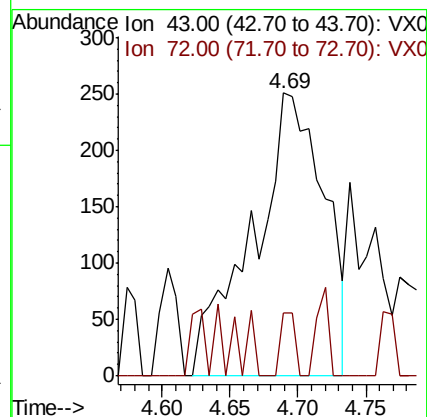
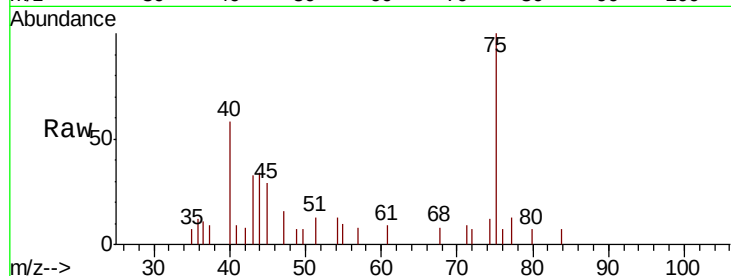
KY037MW144-190415

Tot Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

72 22.3 17.5 26.3



#27

cis-1,2-Dichloroethene

Concen: 1.344 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

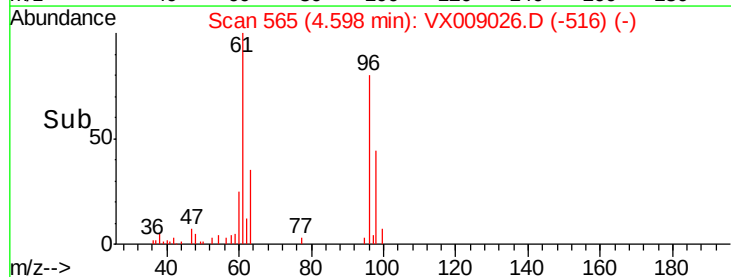
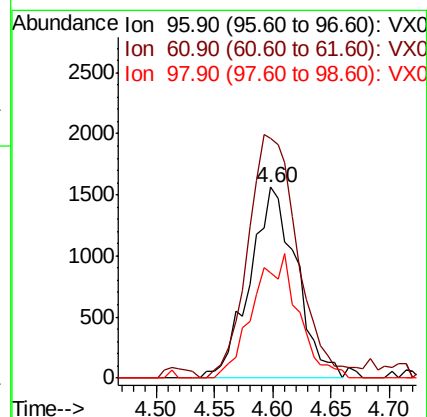
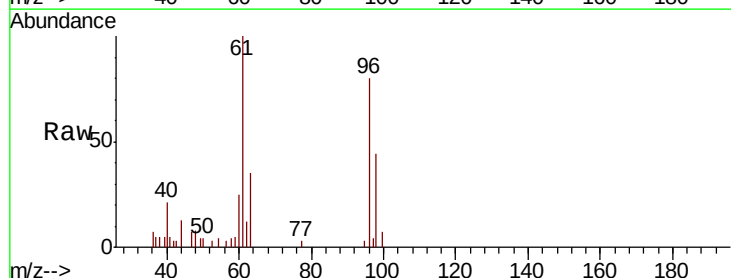
Tgt Ion: 96 Resp: 4339

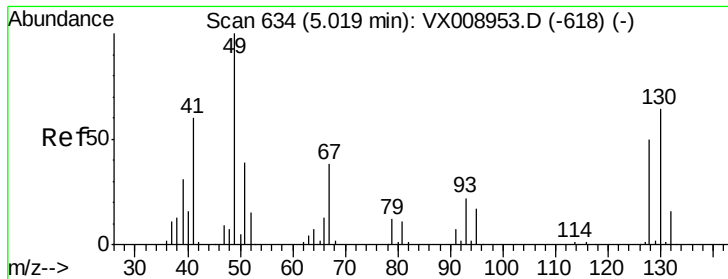
Ion Ratio Lower Upper

96 100

61 136.6 0.0 322.0

98 63.4 0.0 128.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.02 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-190415

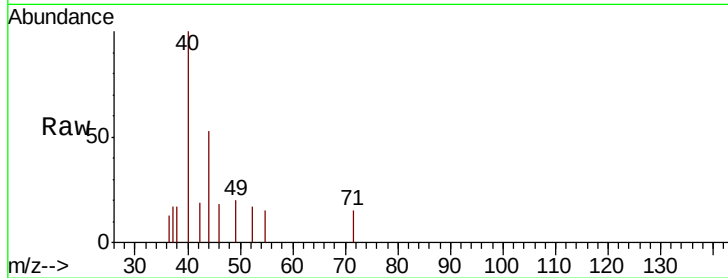
Tot Ion: 49 Resp: 77

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

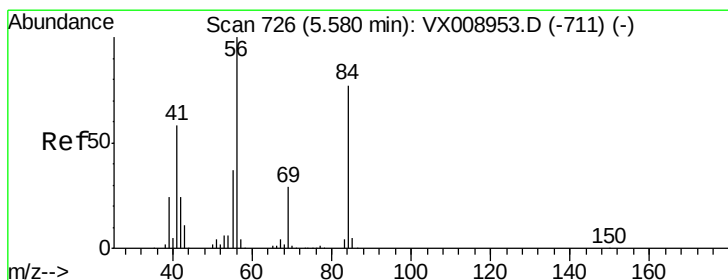
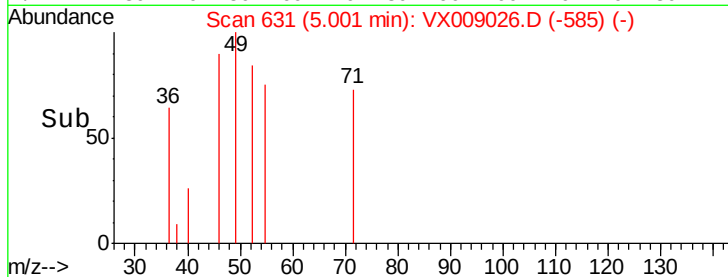
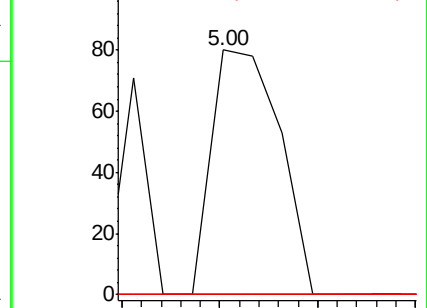
130 0.0 50.4 75.6#



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



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

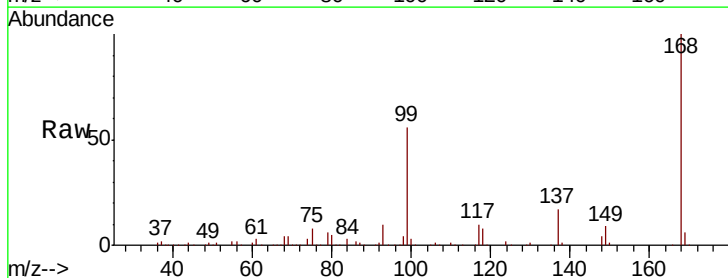
Tgt Ion: 56 Resp: 5477

Ion Ratio Lower Upper

56 100

69 169.2 23.3 34.9#

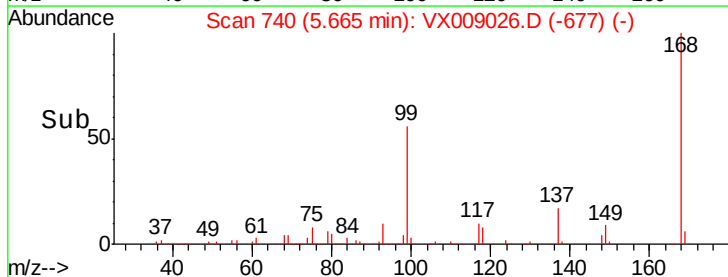
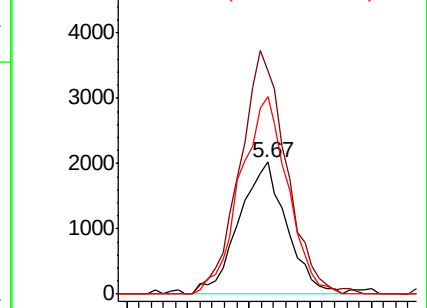
84 149.8 61.7 92.5#

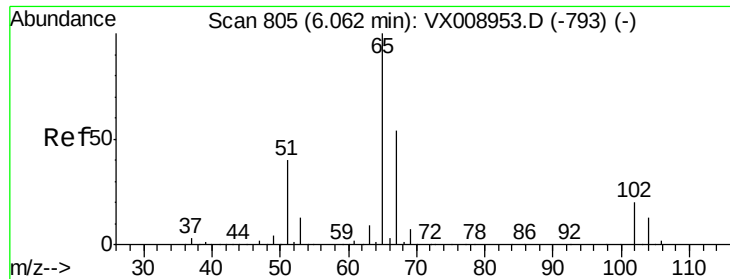


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

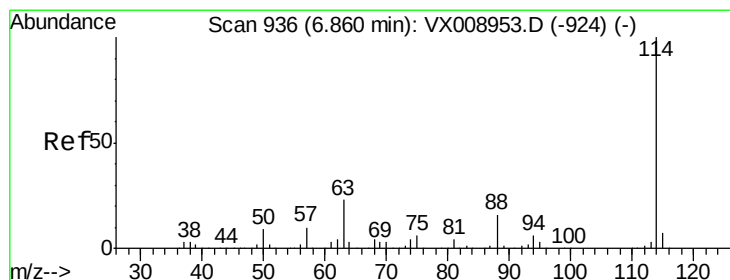
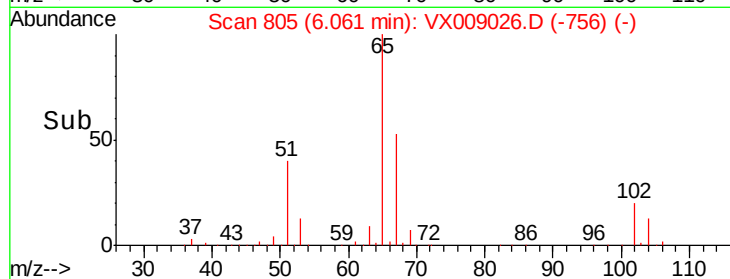
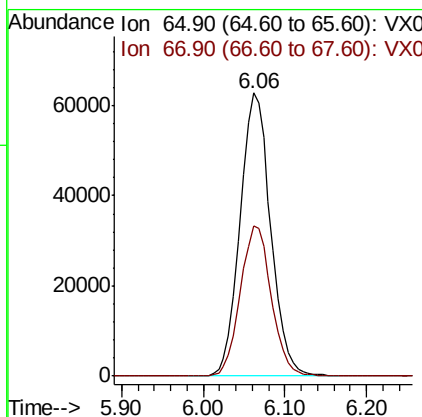
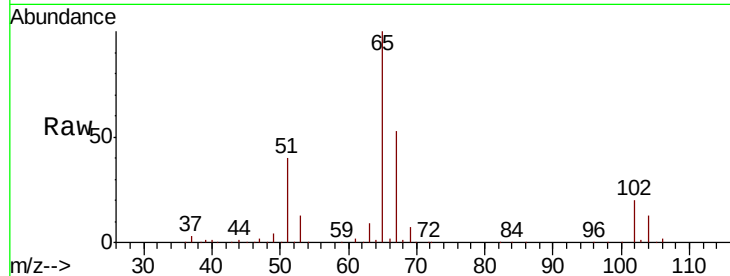




#33
 1,2-Dichloroethane-d4
 Concen: 46.670 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009026.D
 Acq: 17 Apr 2019 19:41

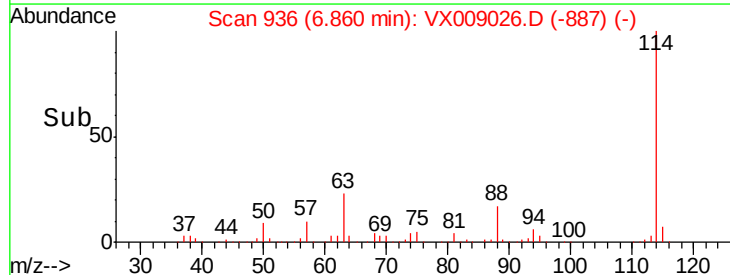
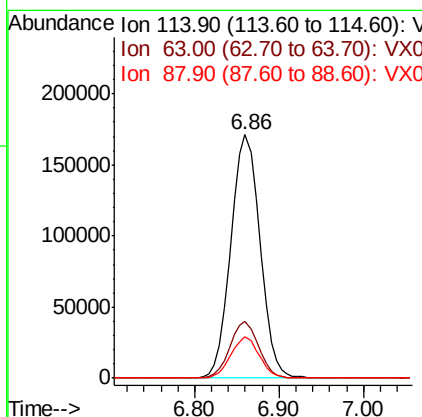
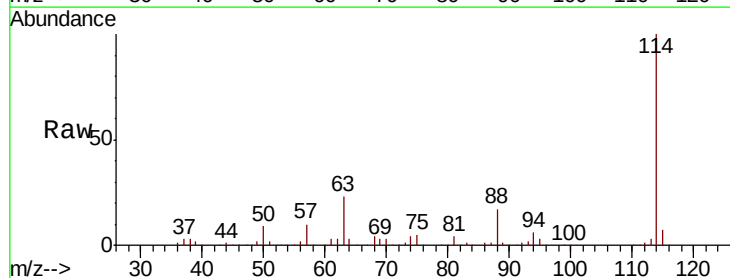
Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW144-190415

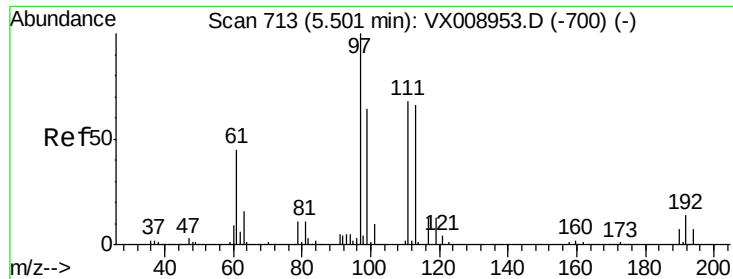
Tot Ion: 65 Resp: 163486
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009026.D
 Acq: 17 Apr 2019 19:41

Tgt Ion: 114 Resp: 400154
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.0
 88 16.9 0.0 32.6

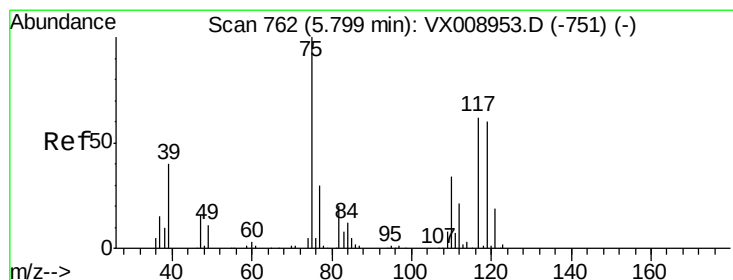
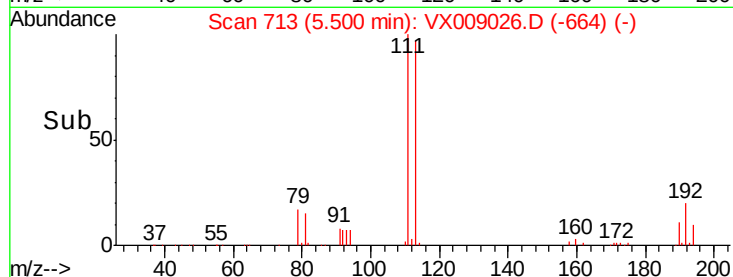
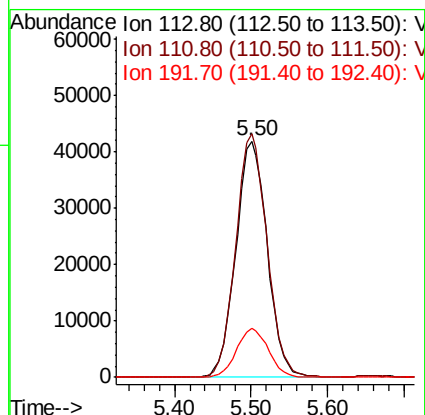
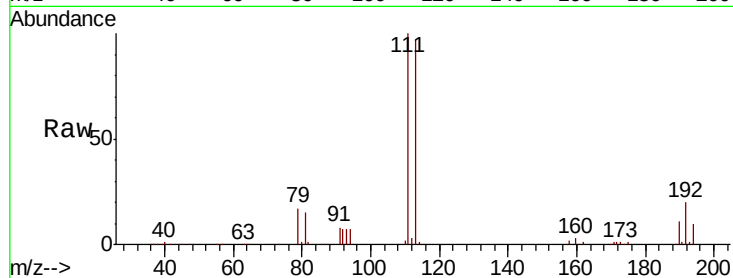




#35
 Dibromofluoromethane
 Concen: 46.491 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009026.D
 Acq: 17 Apr 2019 19:41

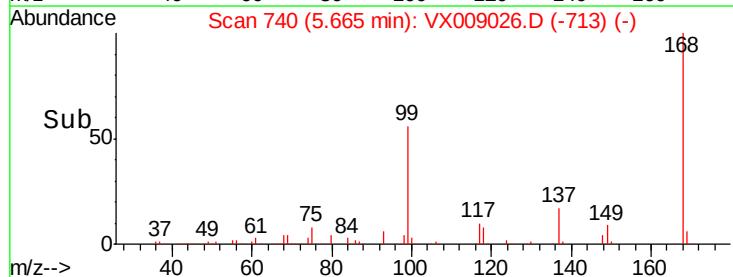
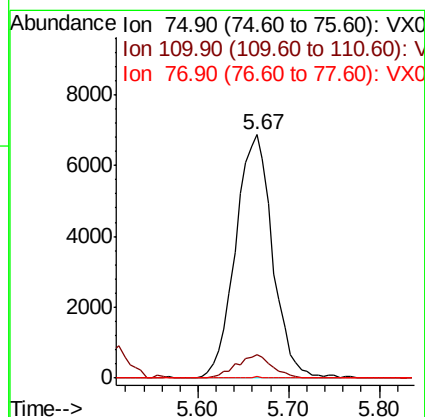
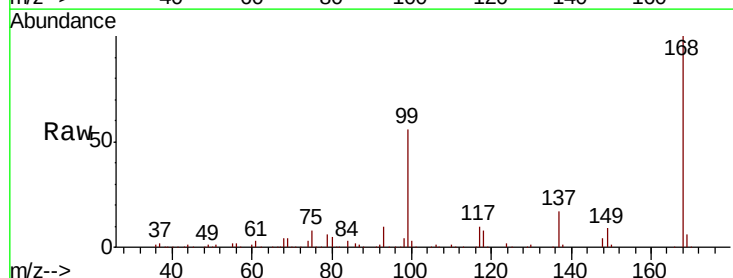
Instrument :
 MSVOA_X
 ClientSampleId :
 KY037MW144-190415

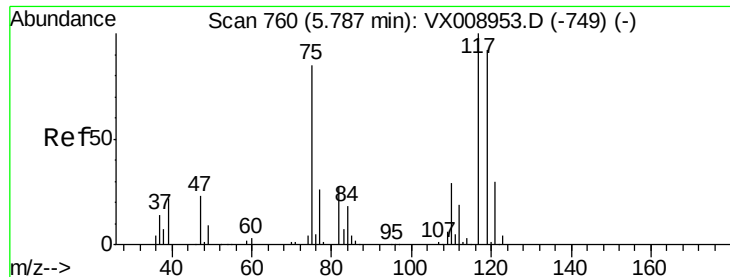
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	21.0	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009026.D
 Acq: 17 Apr 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.9	50.7#
77	0.1	25.0	37.4#

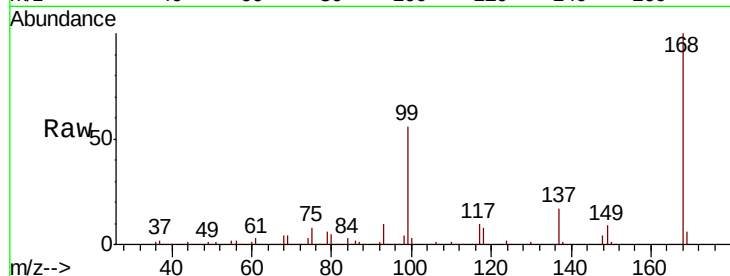




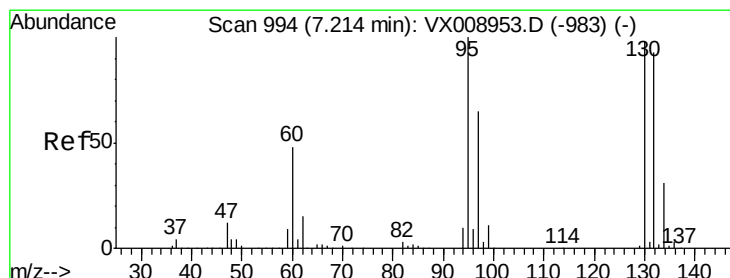
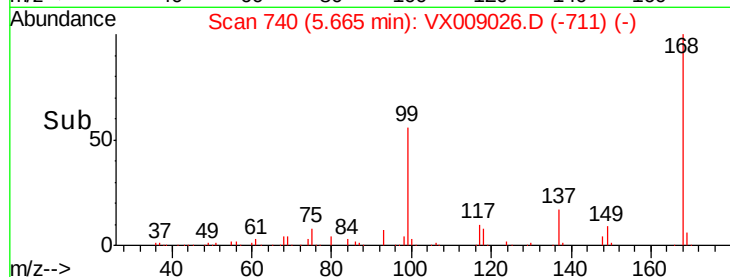
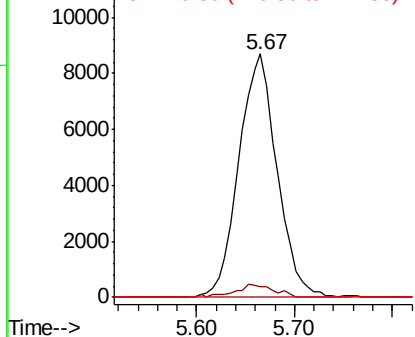
#38
Carbon Tetrachloride
Concen: 6.704 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-190415

Tot Ion:117 Resp: 23520
Ion Ratio Lower Upper
117 100
119 4.3 73.8 110.8#
121 0.0 23.6 35.4#

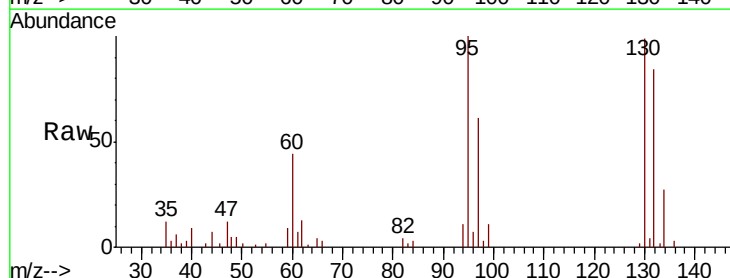


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

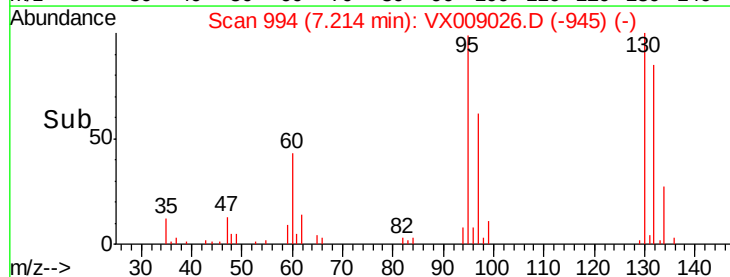
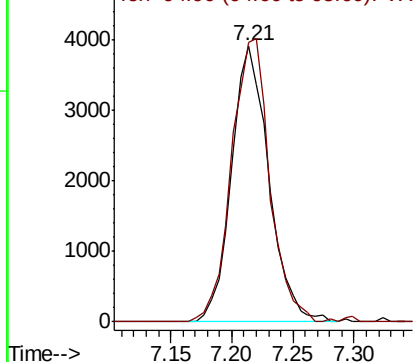


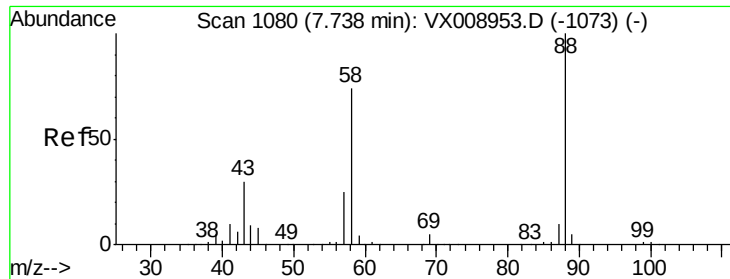
#44
Trichloroethene
Concen: 2.771 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

Tgt Ion:130 Resp: 8288
Ion Ratio Lower Upper
130 100
95 101.2 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.315 ug/l

RT: 7.91 min Scan# 1109

Delta R.T. 0.18 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-190415

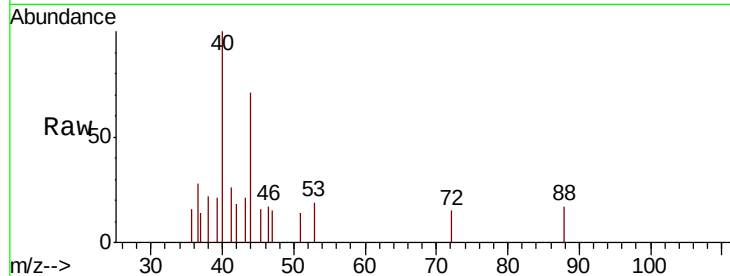
Tot Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 592.0 29.3 43.9#

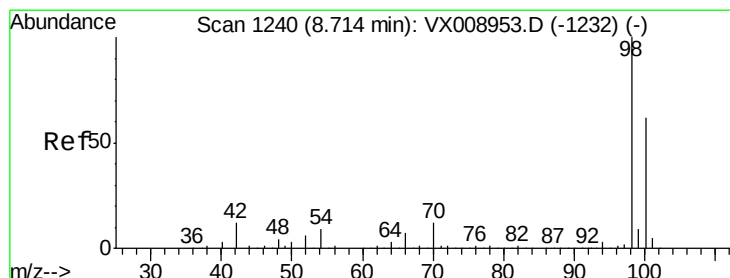
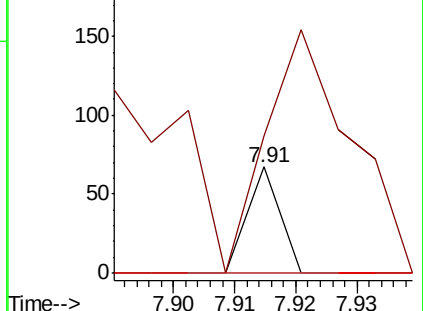
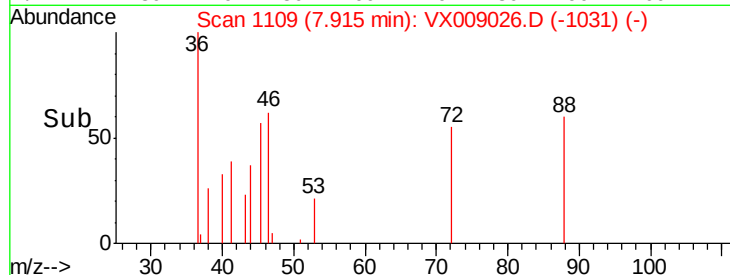
58 0.0 62.6 93.8#



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: 48.450 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009026.D

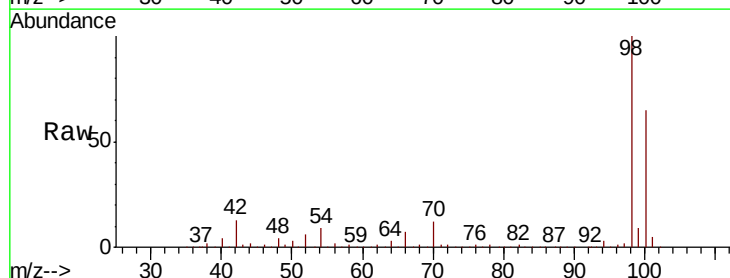
Acq: 17 Apr 2019 19:41

Tgt Ion: 98 Resp: 496210

Ion Ratio Lower Upper

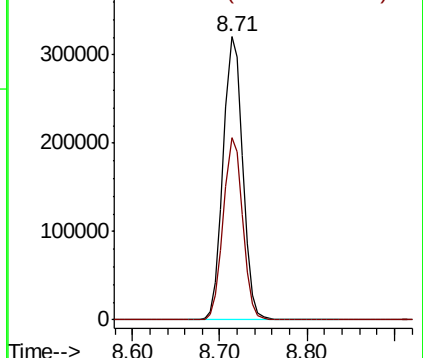
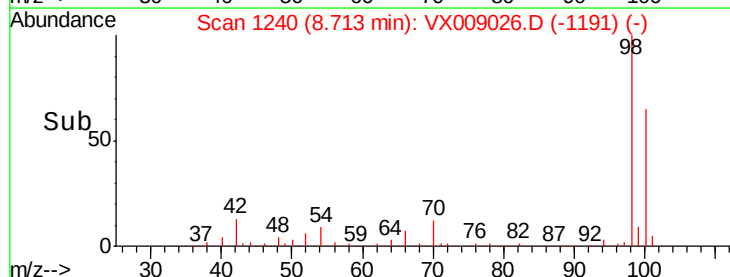
98 100

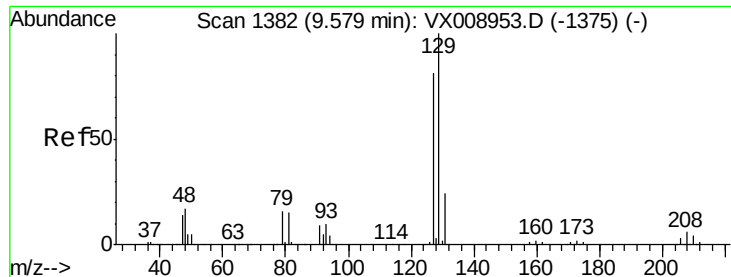
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.859 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

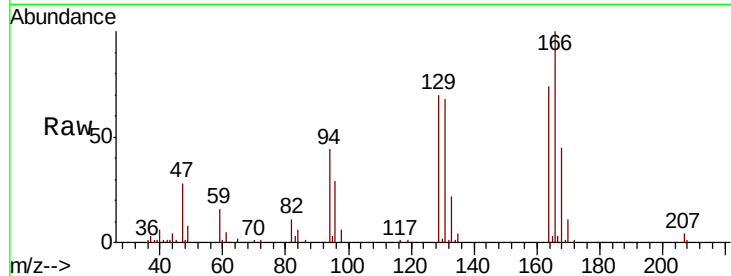
KY037MW144-190415

Tot Ion:129 Resp: 7945

Ion Ratio Lower Upper

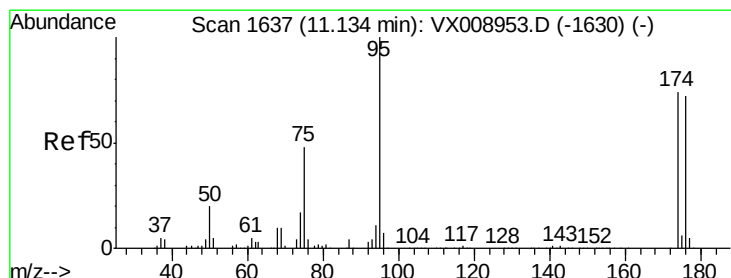
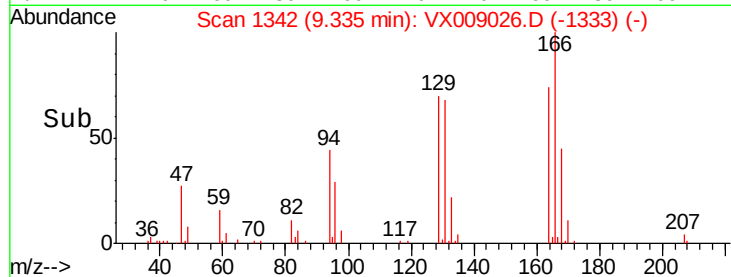
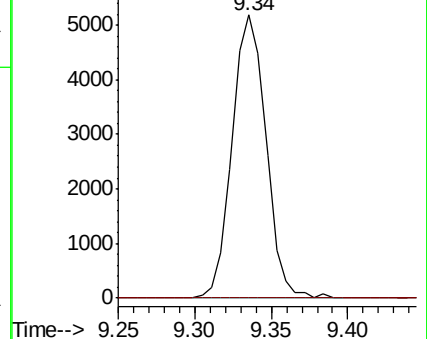
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.986 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

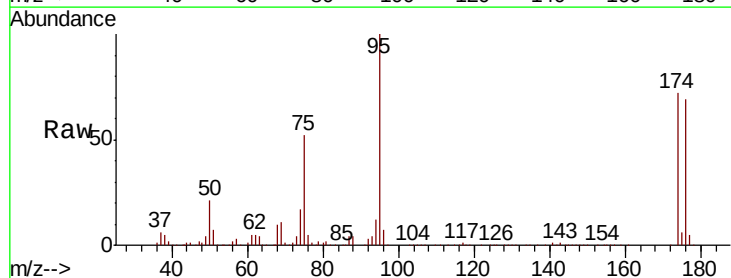
Tgt Ion: 95 Resp: 166256

Ion Ratio Lower Upper

95 100

174 79.2 0.0 159.6

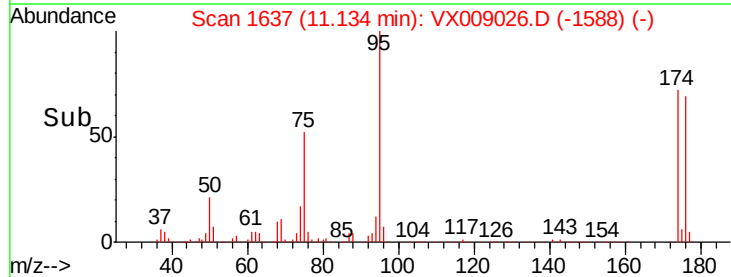
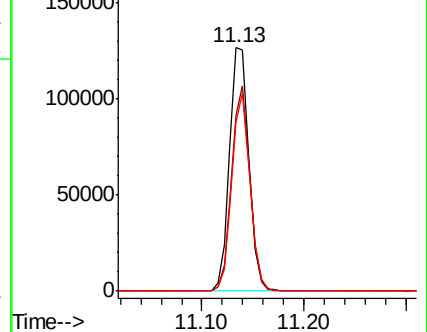
176 75.9 0.0 154.8

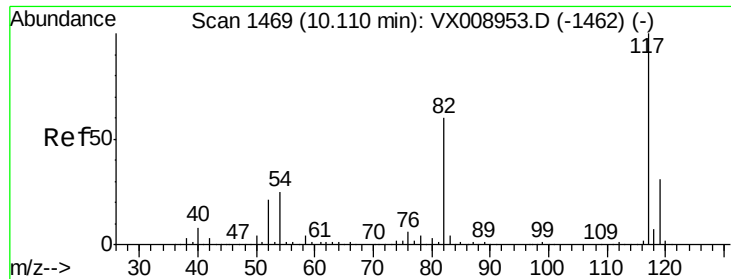


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

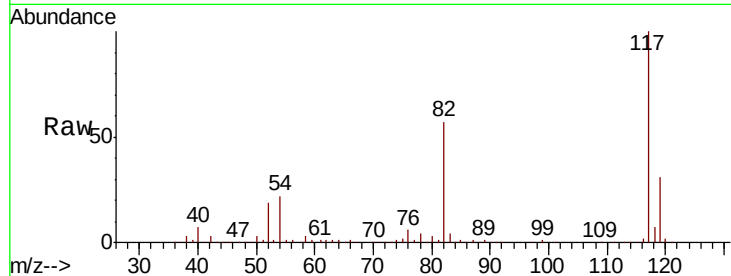




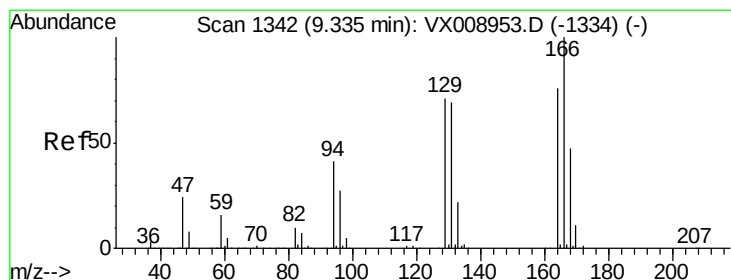
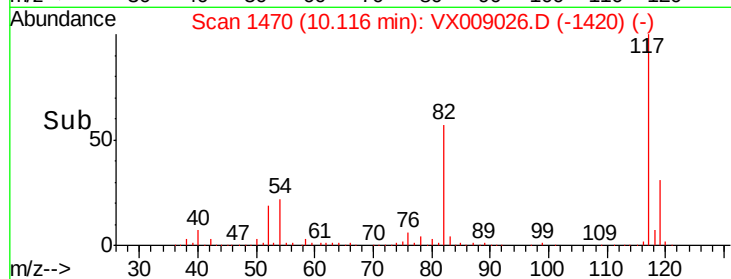
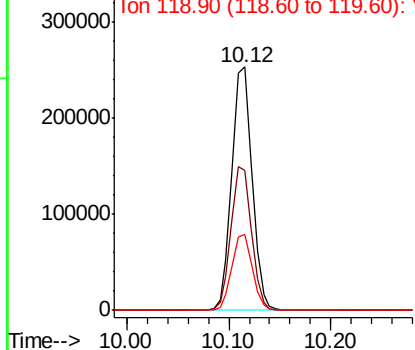
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

Instrument :
MSVOA_X
ClientSampleId :
KY037MW144-190415

Tot Ion:117 Resp: 348410
Ion Ratio Lower Upper
117 100
82 57.5 48.2 72.4
119 31.3 25.0 37.6



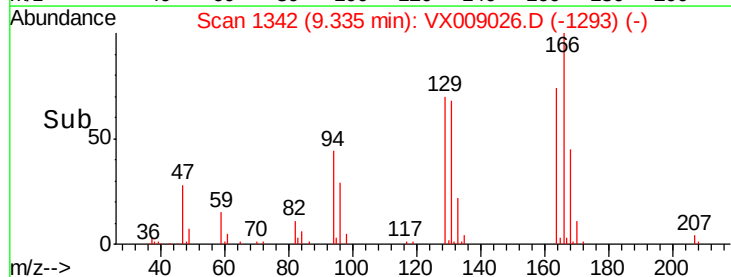
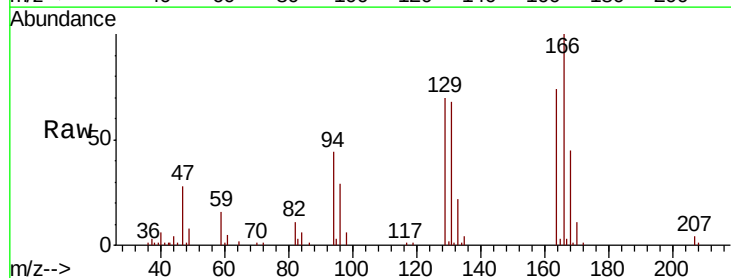
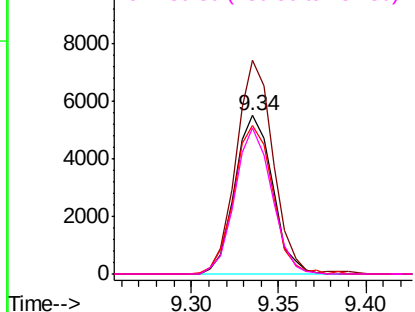
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

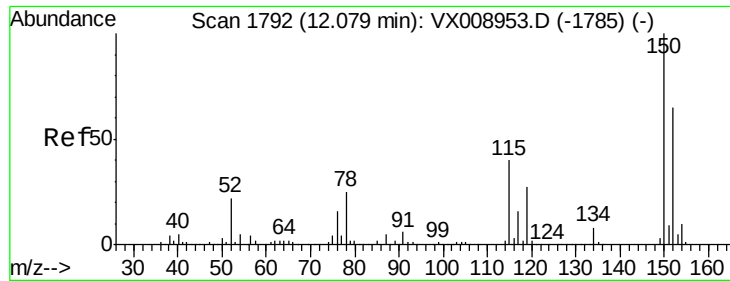


#64
Tetrachloroethene
Concen: 3.132 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009026.D
Acq: 17 Apr 2019 19:41

Tgt Ion:164 Resp: 8291
Ion Ratio Lower Upper
164 100
166 134.7 105.0 157.4
129 94.0 74.2 111.4
131 92.0 72.2 108.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-190415

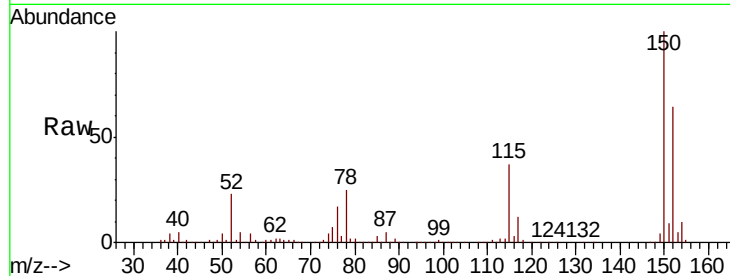
Tot Ion:152 Resp: 146597

Ion Ratio Lower Upper

152 100

115 60.0 41.4 124.2

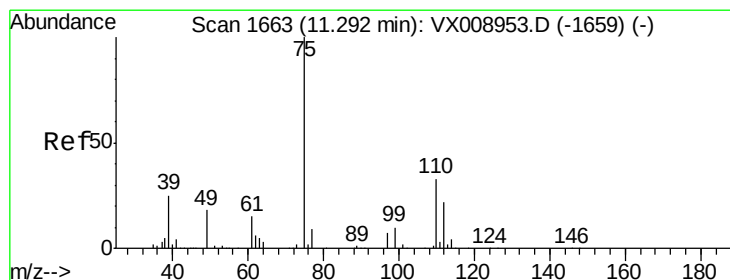
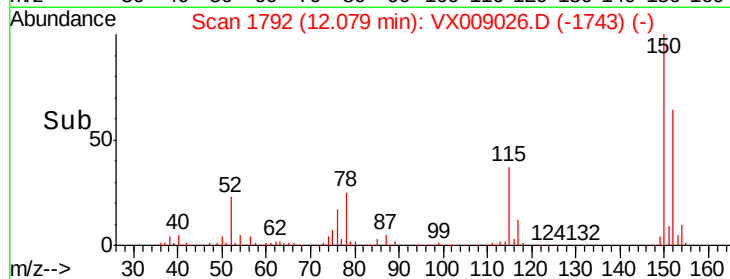
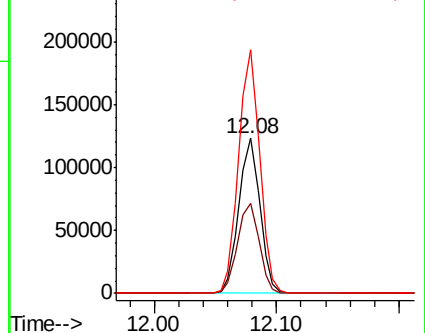
150 156.7 0.0 349.8



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: 23.628 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009026.D

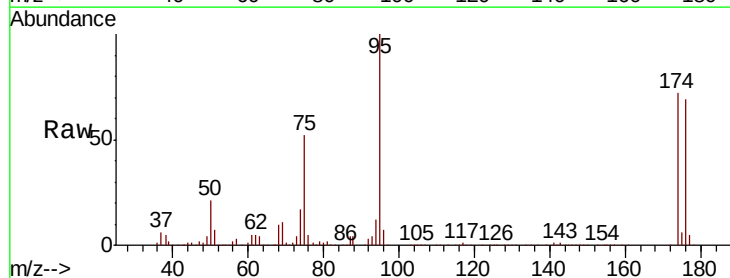
Acq: 17 Apr 2019 19:41

Tgt Ion: 75 Resp: 84578

Ion Ratio Lower Upper

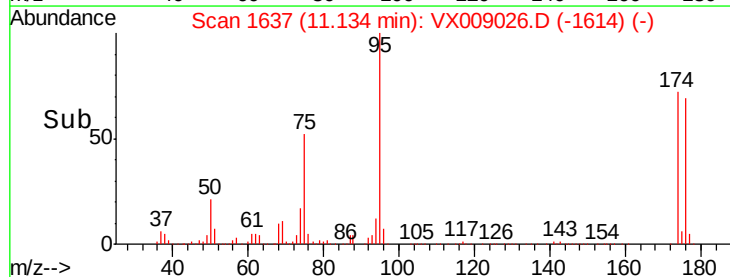
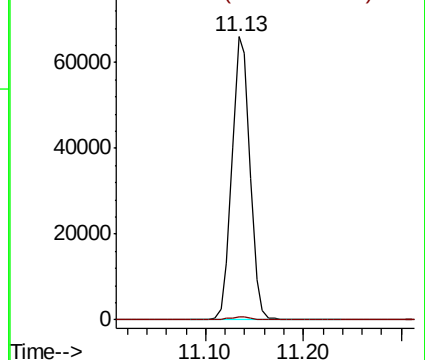
75 100

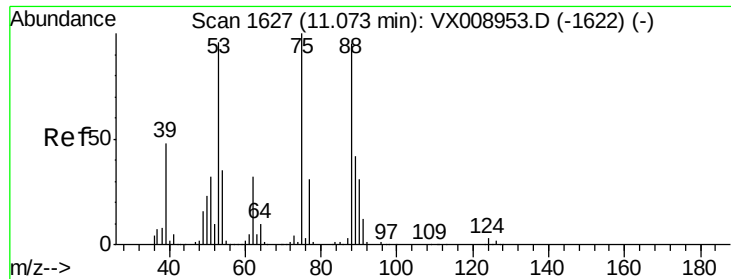
77 1.3 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.659 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009026.D

Acq: 17 Apr 2019 19:41

Instrument :

MSVOA_X

ClientSampleId :

KY037MW144-190415

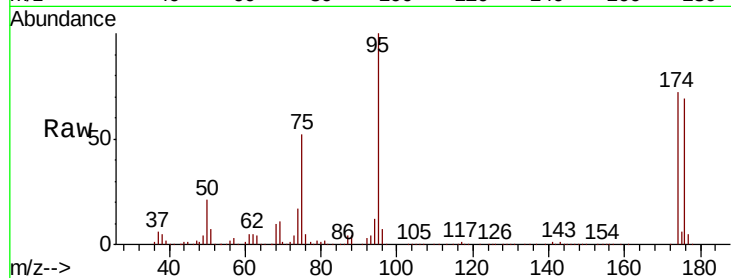
Tot Ion: 75 Resp: 84578

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



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

