

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX030719\
 Data File : VX007907.D
 Acq On : 08 Mar 2019 02:30
 Operator : JC/SP
 Sample : K1757-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6CD-S

Quant Time: Mar 08 04:51:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	452872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	433457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	161117	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	5.50	113	148567	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	8.71	98	556407	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.13	95	201941	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	

Target Compounds

					Qvalue	
5) Bromomethane	1.65	94	202	Below Cal		91
6) Chloroethane	1.54	64	6193	2.949 ug/l #		60
11) Tert butyl alcohol	3.06	59	475	0.697 ug/l #		73
13) Acrolein	2.30	56	302	2.319 ug/l		94
16) Acetone	2.45	43	21860	12.389 ug/l		97
17) Carbon Disulfide	2.57	76	1358	Below Cal #		88
18) Methyl Acetate	2.78	43	4515	1.204 ug/l		99
20) Methylene Chloride	2.86	84	53166	18.932 ug/l		97
25) 2-Butanone	4.70	43	5709	2.285 ug/l		93
29) Tetrahydrofuran	5.16	42	1000	0.642 ug/l #		79
30) Chloroform	5.21	83	3920	0.813 ug/l		98
31) Cyclohexane	5.67	56	4462	0.953 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	18045	4.401 ug/l #		49
37) Ethyl Acetate	4.70	43	5709	1.173 ug/l #		69
38) Carbon Tetrachloride	5.67	117	24284	6.238 ug/l #		17
43) Isopropyl Acetate	6.46	43	16097	2.235 ug/l		99
48) Methyl methacrylate	7.68	41	8372	2.211 ug/l #		16
49) 1,4-Dioxane	7.88	88	180	2.314 ug/l #		1
51) 4-Methyl-2-Pentanone	8.62	43	71294	15.393 ug/l #		50
54) cis-1,3-Dichloropropene	8.62	75	34509	7.568 ug/l #		61
57) 1,3-Dichloropropane	9.54	76	6903	1.363 ug/l #		43
59) 2-Hexanone	9.54	43	96745	26.905 ug/l #		51
76) 1,2,3-Trichloropropane	11.13	75	92830	21.658 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.13	75	92830	69.231 ug/l #		12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

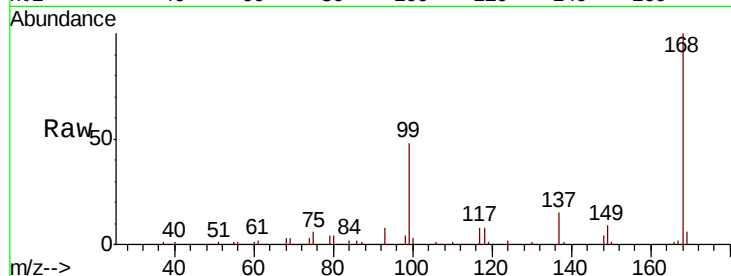
TP-6CD-S

Tgt Ion: 168 Resp: 288984

Ion Ratio Lower Upper

168 100

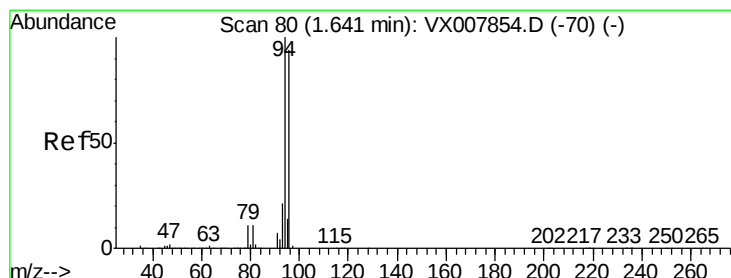
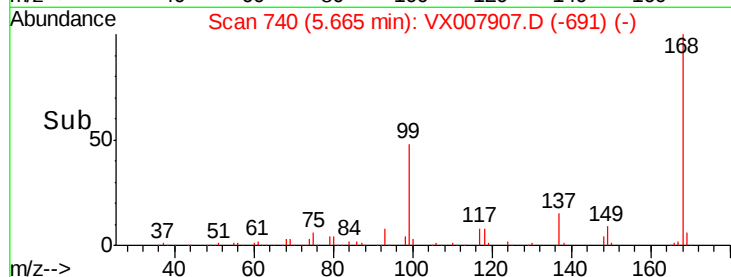
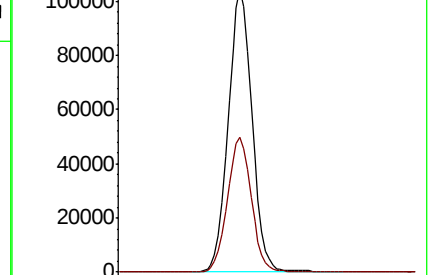
99 47.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VX007854.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX007854.D (-726) (-)

5.67



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007907.D

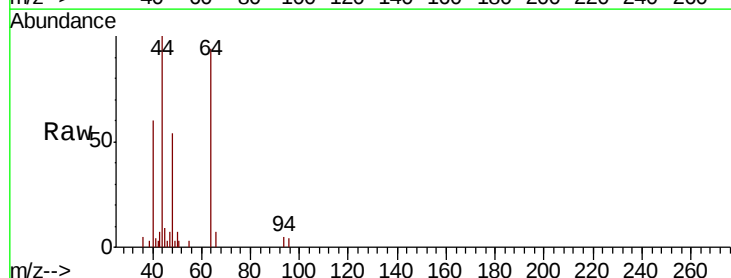
Acq: 08 Mar 2019 02:30

Tgt Ion: 94 Resp: 202

Ion Ratio Lower Upper

94 100

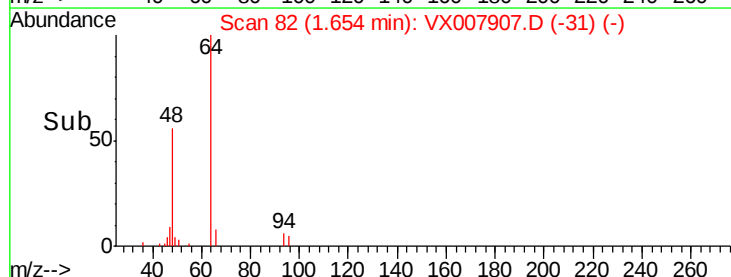
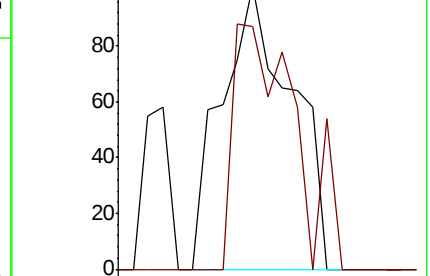
96 85.3 75.5 113.3

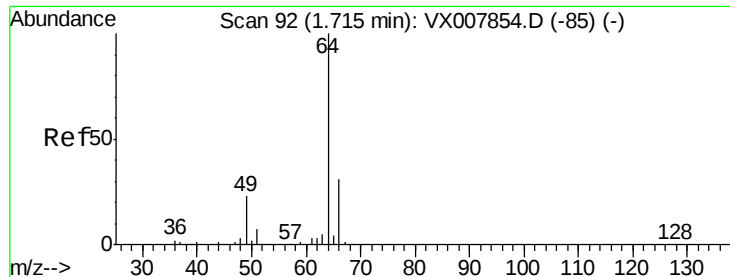


Abundance Ion 93.90 (93.60 to 94.60): VX007854.D (-70) (-)

Ion 95.90 (95.60 to 96.60): VX007854.D (-70) (-)

1.65





#6

Chloroethane

Concen: 2.949 ug/l

RT: 1.54 min Scan# 64

Delta R.T. -0.17 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampled :

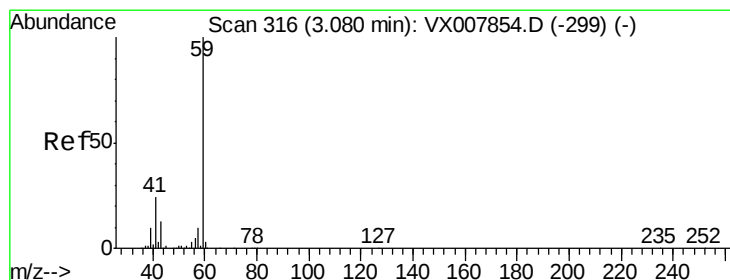
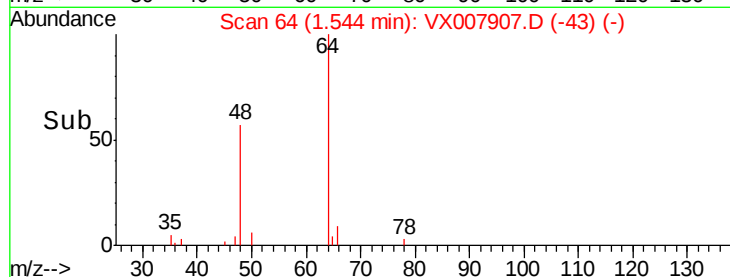
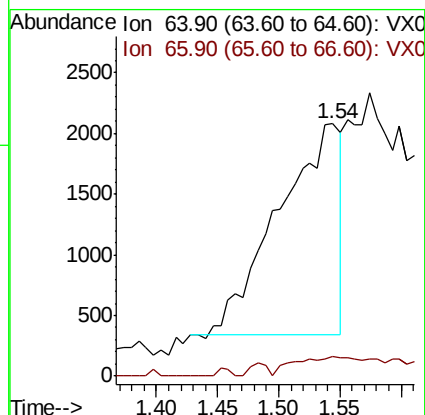
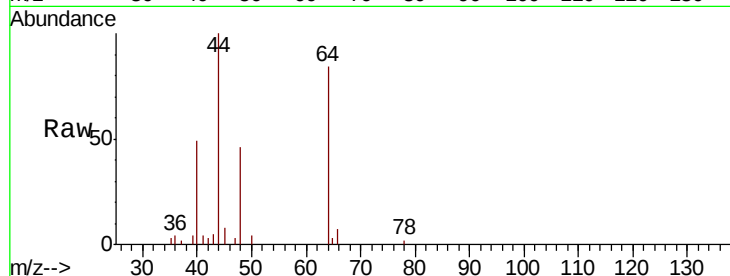
TP-6CD-S

Tgt Ion: 64 Resp: 6193

Ion Ratio Lower Upper

64 100

66 9.3 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.697 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX007907.D

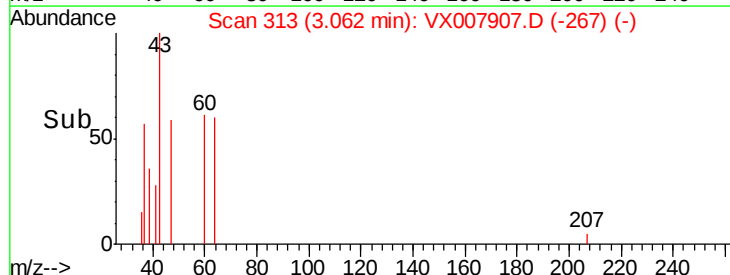
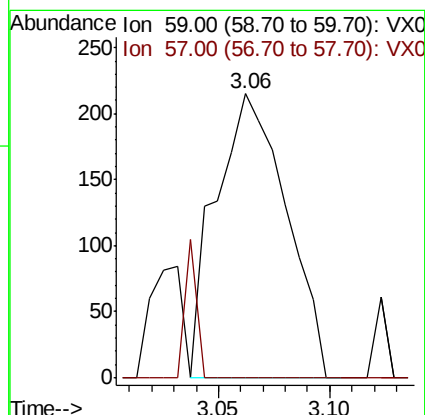
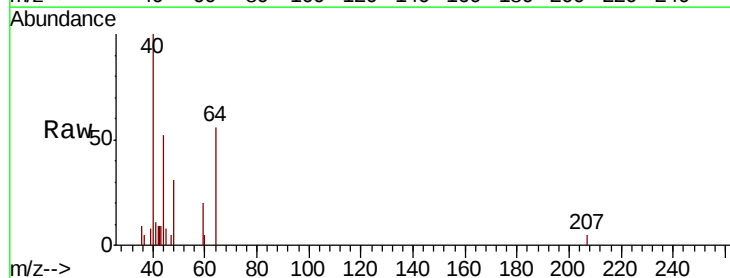
Acq: 08 Mar 2019 02:30

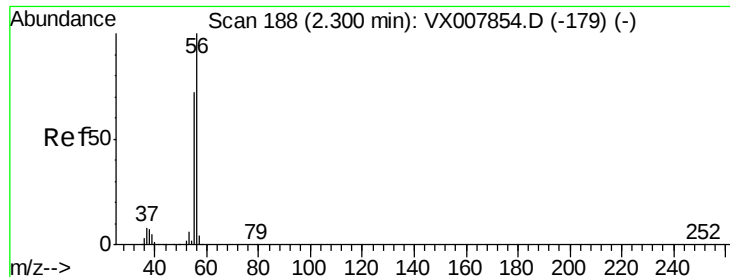
Tgt Ion: 59 Resp: 475

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#





#13

Acrolein

Concen: 2.319 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

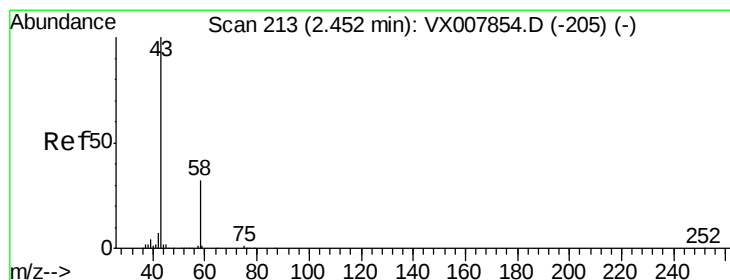
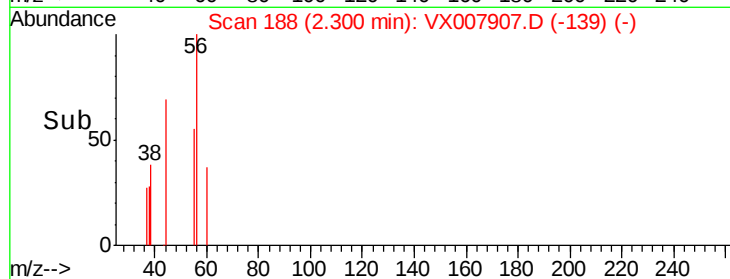
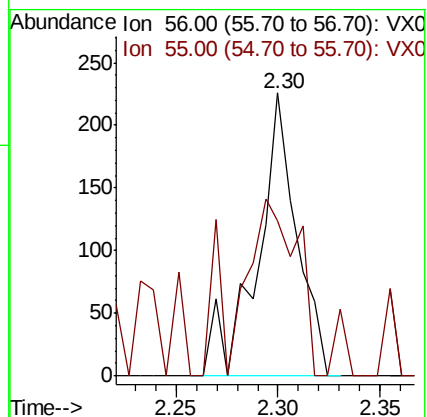
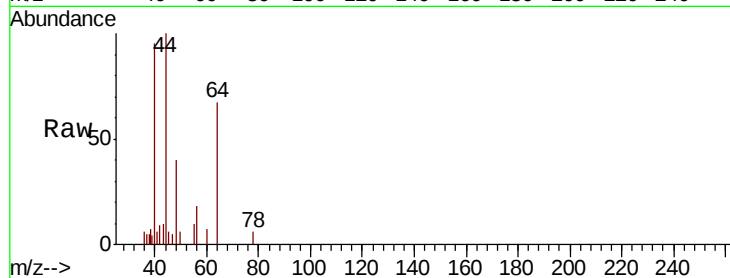
TP-6CD-S

Tgt Ion: 56 Resp: 302

Ion Ratio Lower Upper

56 100

55 77.5 57.8 86.6



#16

Acetone

Concen: 12.389 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007907.D

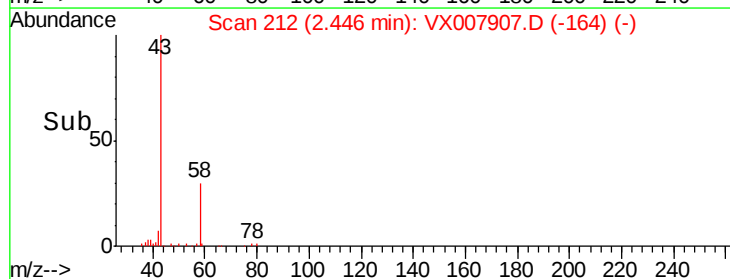
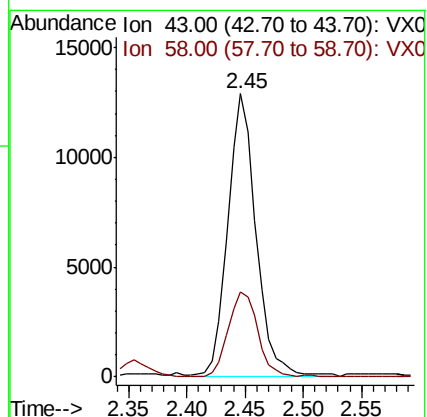
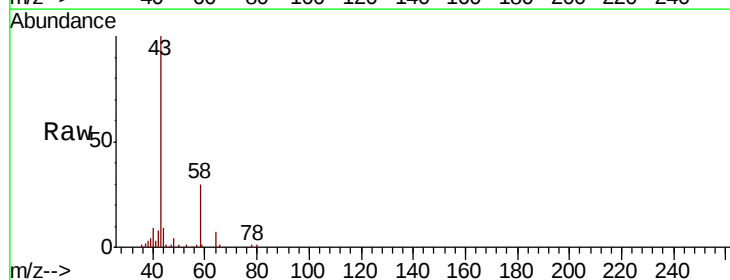
Acq: 08 Mar 2019 02:30

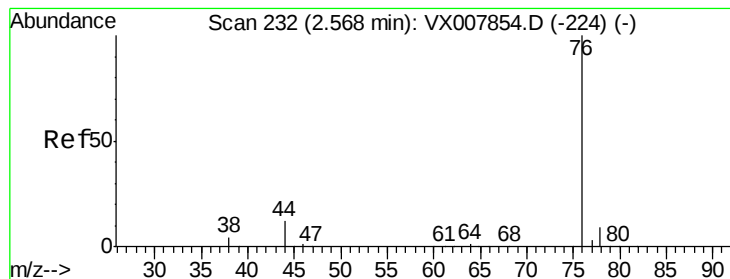
Tgt Ion: 43 Resp: 21860

Ion Ratio Lower Upper

43 100

58 30.2 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

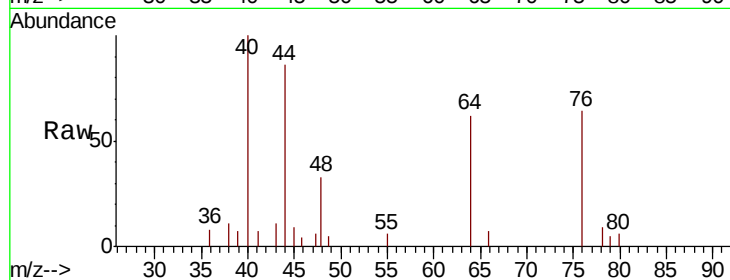
TP-6CD-S

Tgt Ion: 76 Resp: 1358

Ion Ratio Lower Upper

76 100

78 13.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

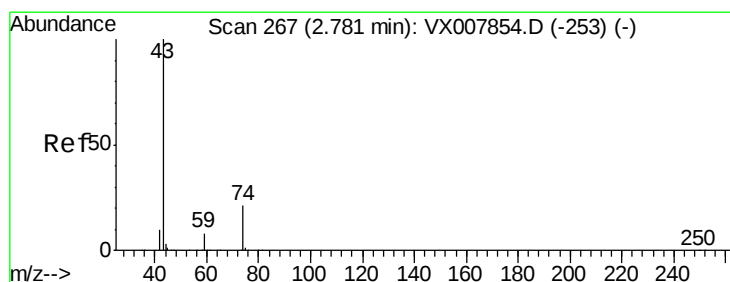
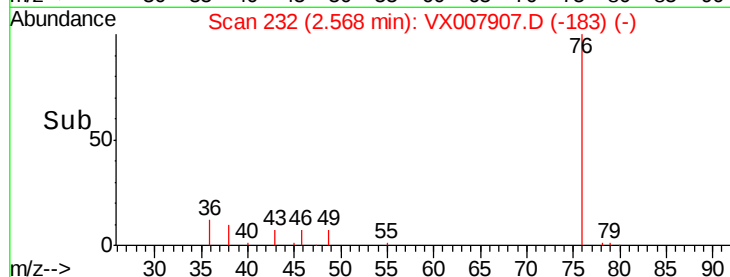
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.204 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007907.D

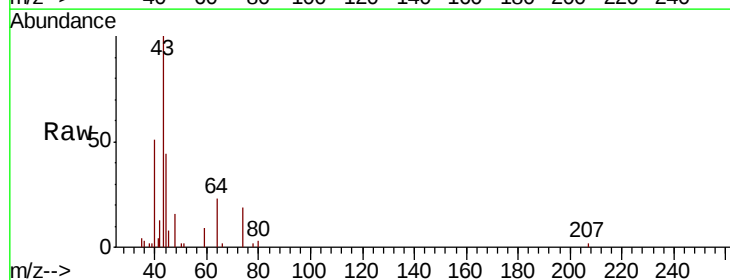
Acq: 08 Mar 2019 02:30

Tgt Ion: 43 Resp: 4515

Ion Ratio Lower Upper

43 100

74 21.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2500

2000

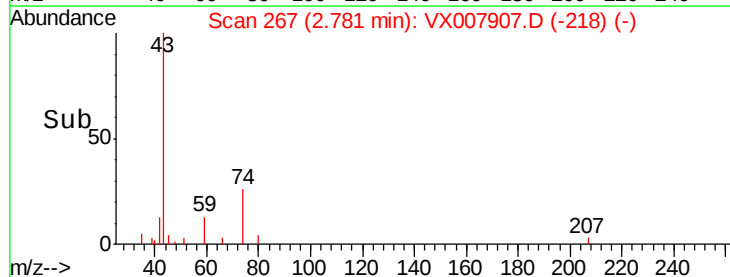
1500

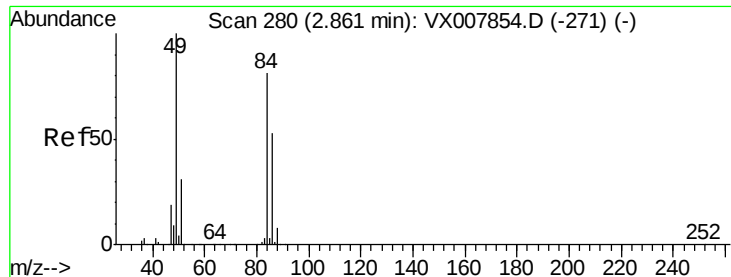
1000

500

0

Time-->

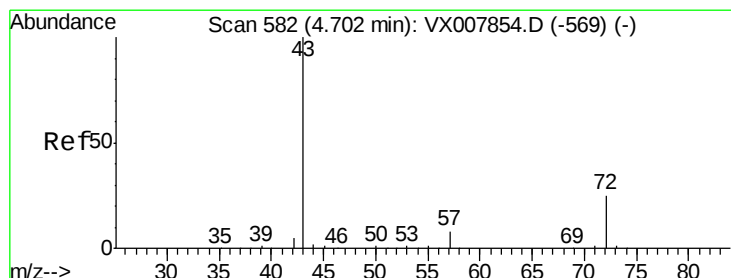
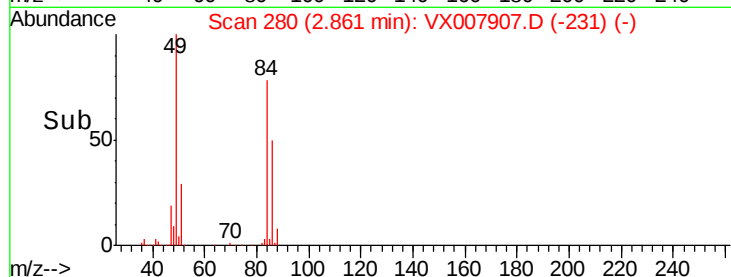
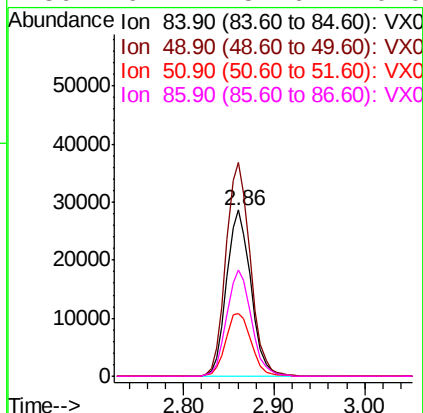
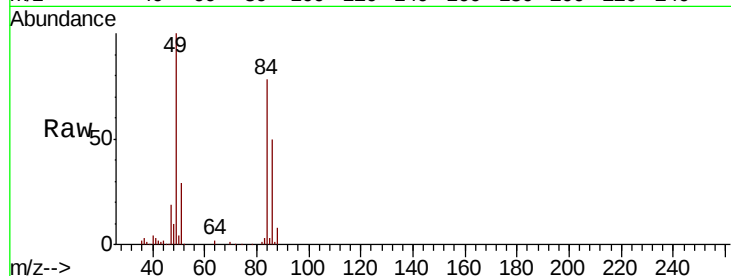




#20
Methylene Chloride
Concen: 18.932 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

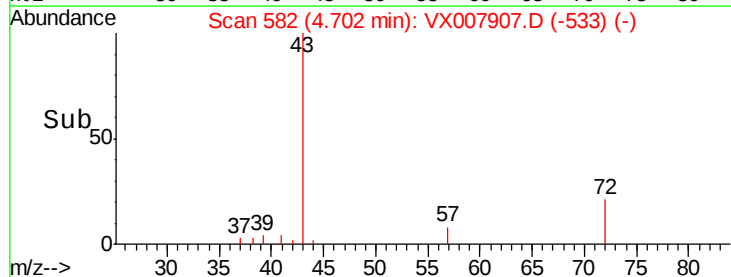
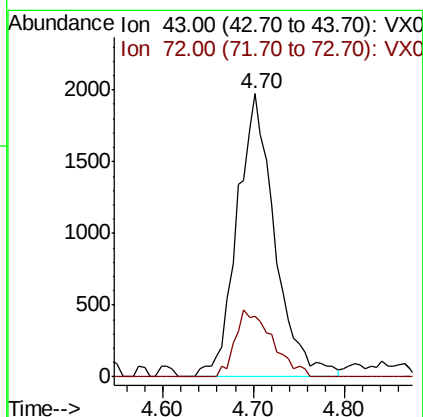
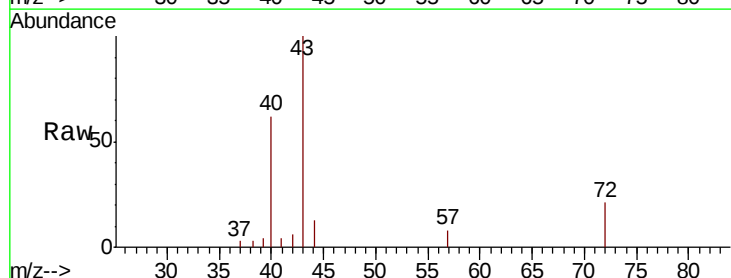
Instrument :
MSVOA_X
ClientSampled :
TP-6CD-S

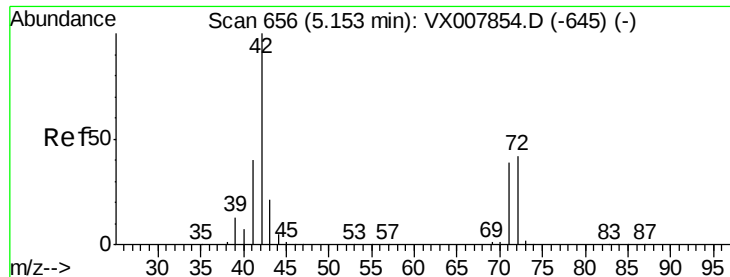
Tgt Ion: 84 Resp: 53166
Ion Ratio Lower Upper
84 100
49 128.7 99.3 148.9
51 37.9 31.3 46.9
86 64.2 52.6 79.0



#25
2-Butanone
Concen: 2.285 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.00 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Tgt Ion: 43 Resp: 5709
Ion Ratio Lower Upper
43 100
72 21.3 19.9 29.9





#29

Tetrahydrofuran

Concen: 0.642 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

TP-6CD-S

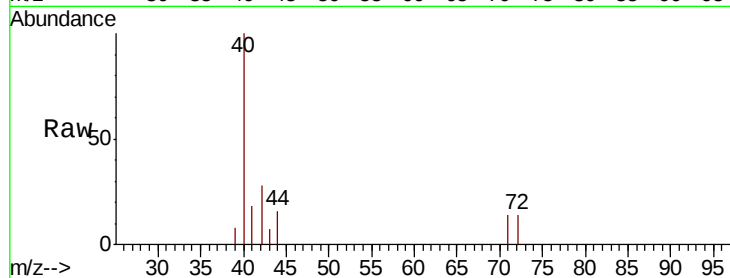
Tgt Ion: 42 Resp: 1000

Ion Ratio Lower Upper

42 100

72 25.0 33.8 50.6#

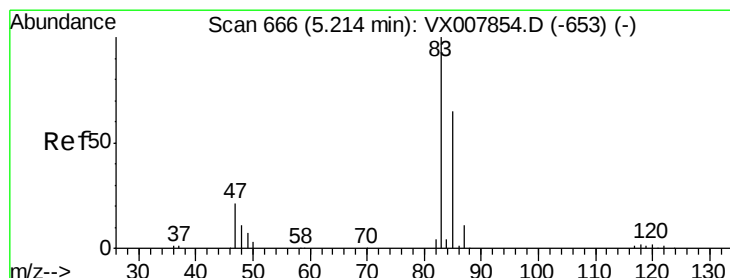
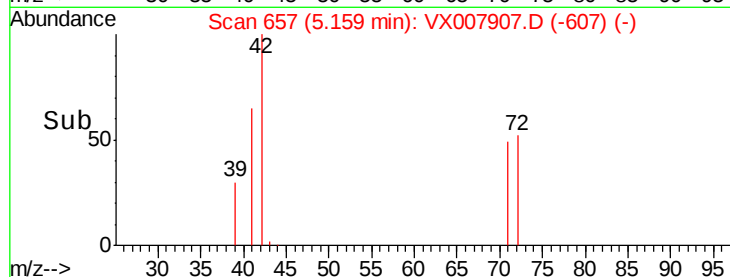
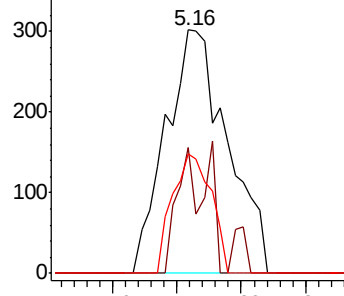
71 30.9 31.5 47.3#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.813 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007907.D

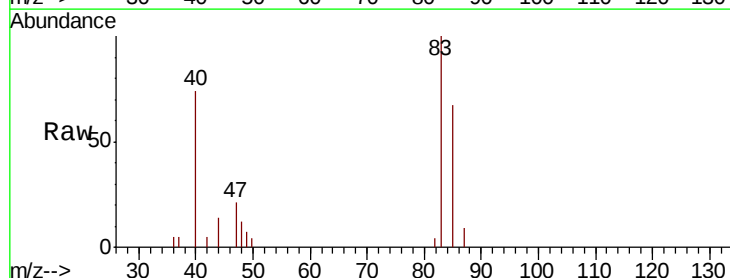
Acq: 08 Mar 2019 02:30

Tgt Ion: 83 Resp: 3920

Ion Ratio Lower Upper

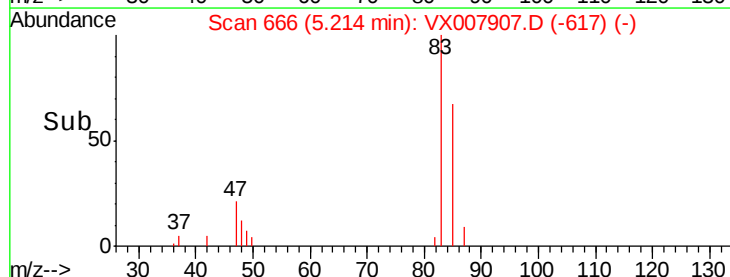
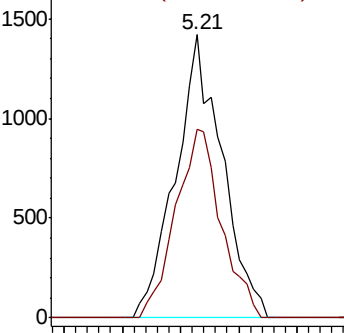
83 100

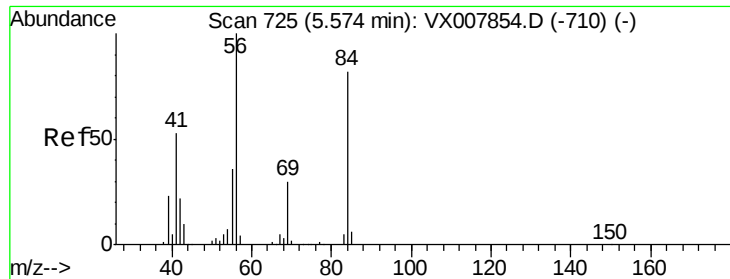
85 66.6 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

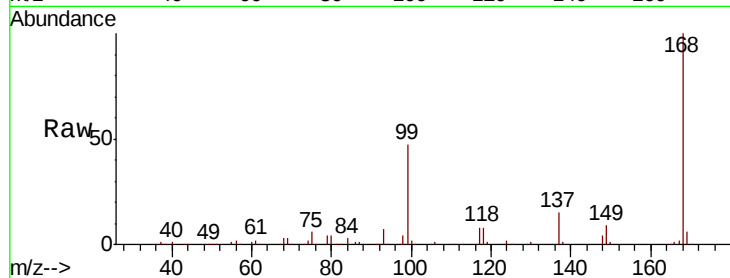




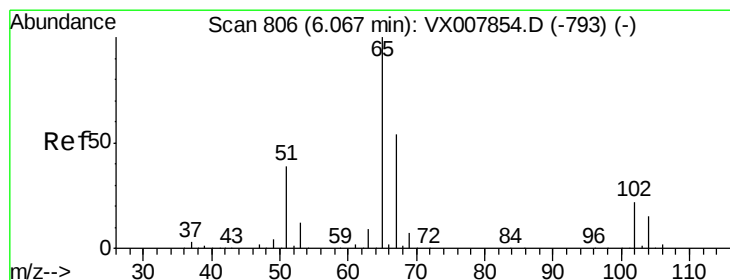
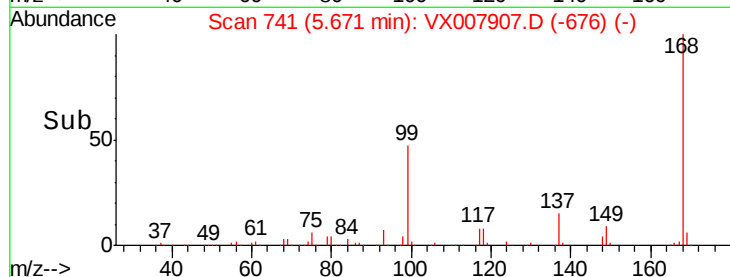
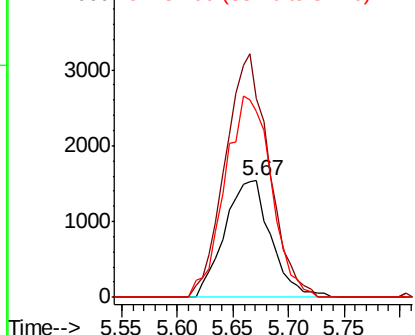
#31
Cyclohexane
Concen: 0.953 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Instrument :
MSVOA_X
ClientSampleId :
TP-6CD-S

Tgt Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 169.9 24.0 36.0#
84 159.8 65.3 97.9#

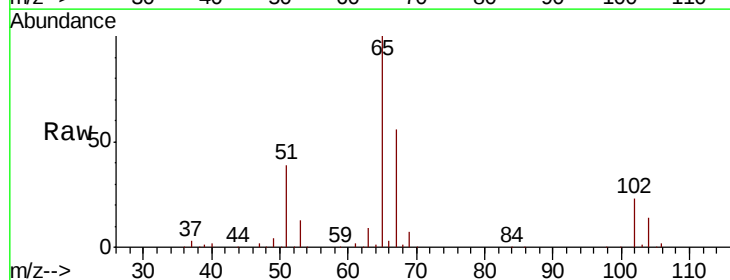


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

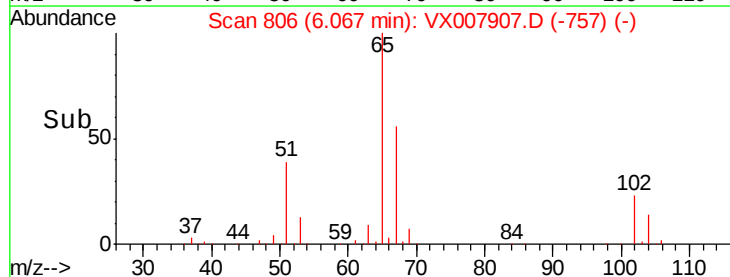
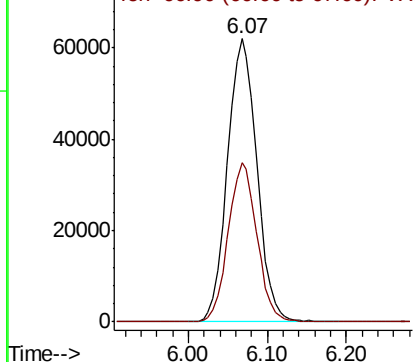


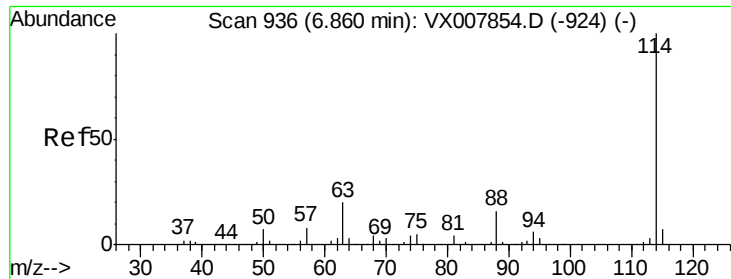
#33
1,2-Dichloroethane-d4
Concen: 52.851 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Tgt Ion: 65 Resp: 161117
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

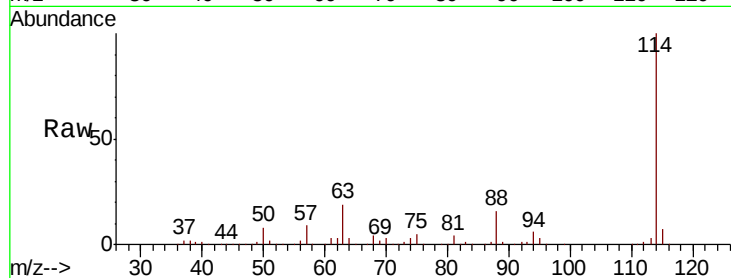




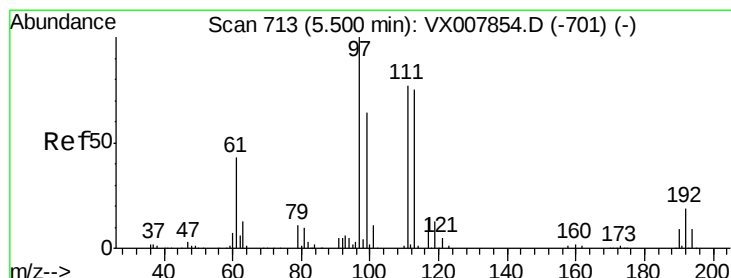
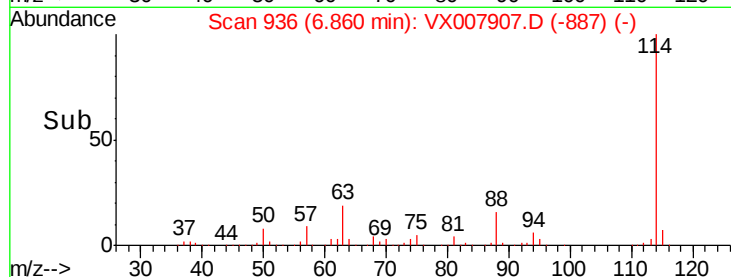
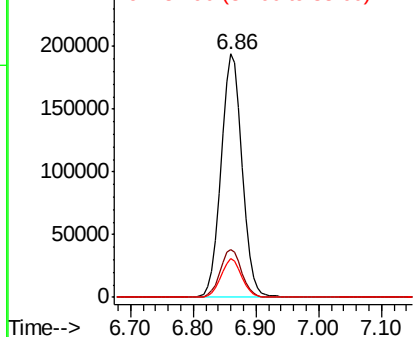
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6CD-S

Tgt Ion:114 Resp: 452872
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 16.1 0.0 31.4

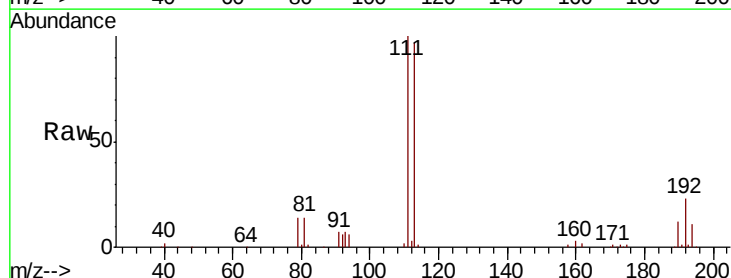


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

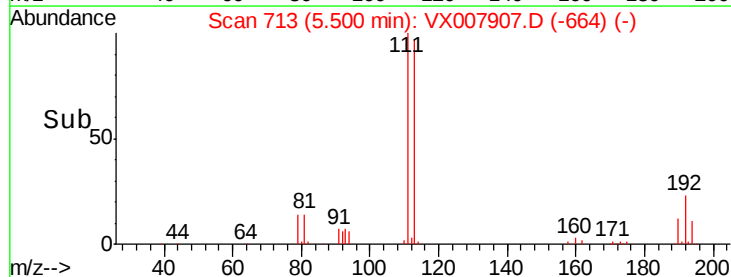
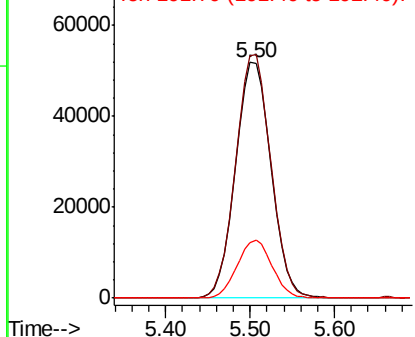


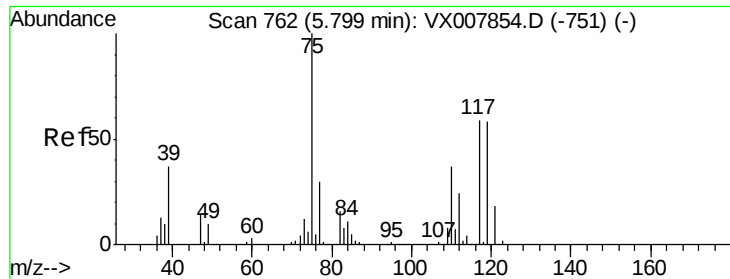
#35
 Dibromofluoromethane
 Concen: 51.285 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Tgt Ion:113 Resp: 148567
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 24.2 19.4 29.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

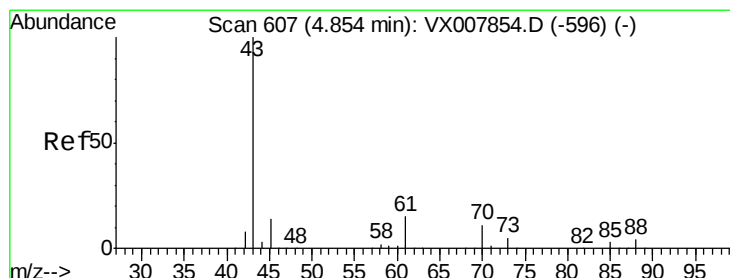
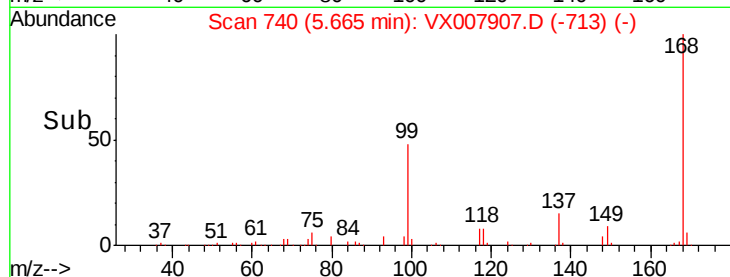
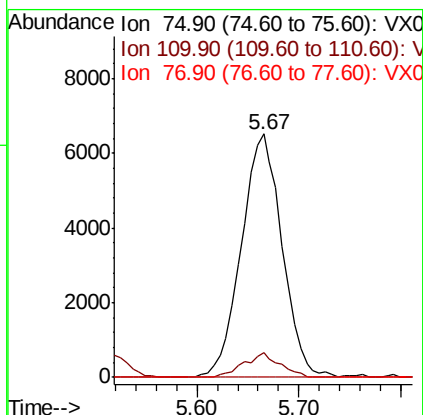
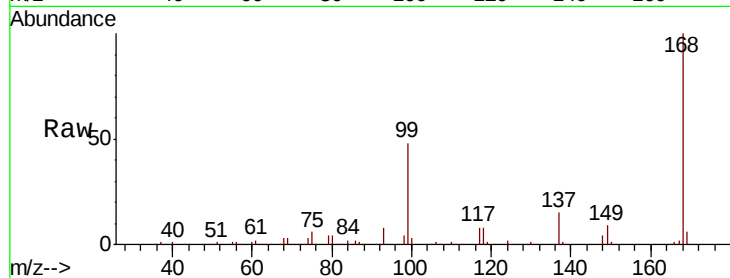




#36
 1,1-Dichloropropene
 Concen: 4.401 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

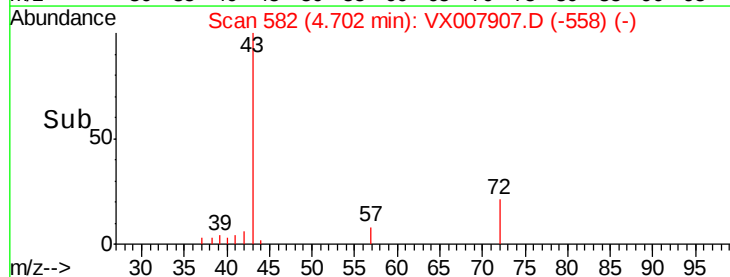
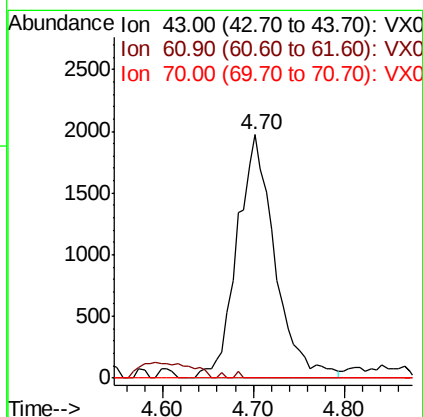
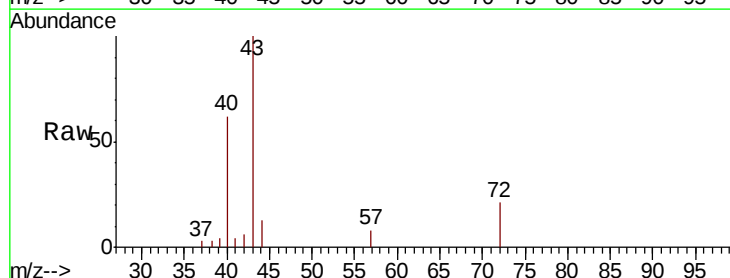
Instrument :
 MSVOA_X
 ClientSampled :
 TP-6CD-S

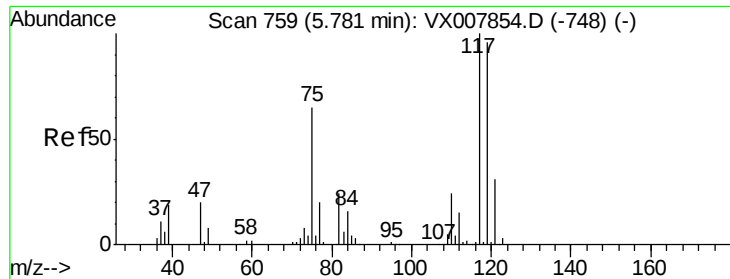
Tgt Ion: 75 Resp: 18045
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.0#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 1.173 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.15 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Tgt Ion: 43 Resp: 5709
 Ion Ratio Lower Upper
 43 100
 61 0.4 11.3 16.9#
 70 0.0 8.5 12.7#





#38

Carbon Tetrachloride

Concen: 6.238 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

TP-6CD-S

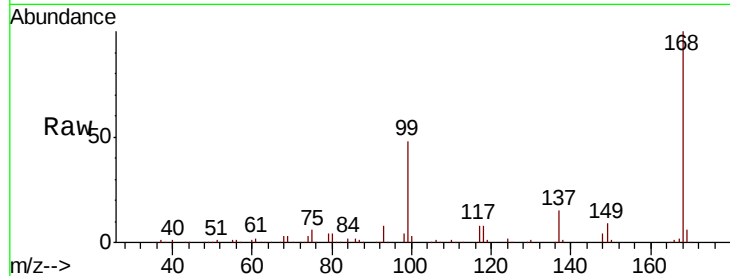
Tgt Ion:117 Resp: 24284

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

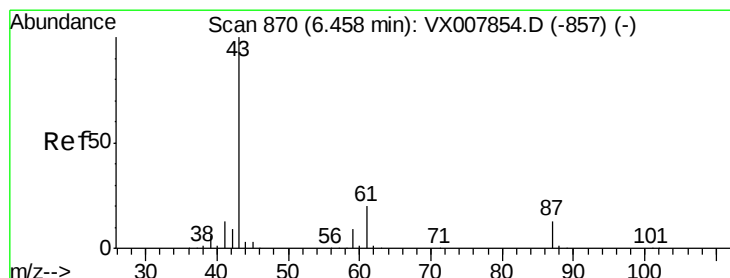
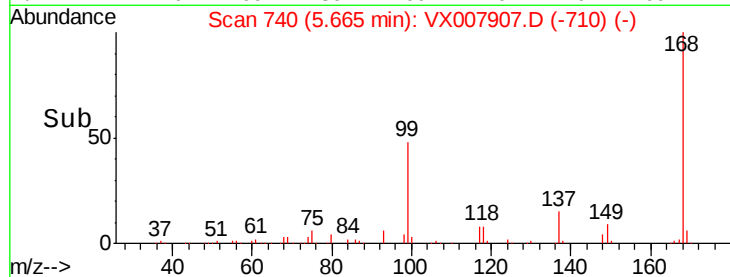
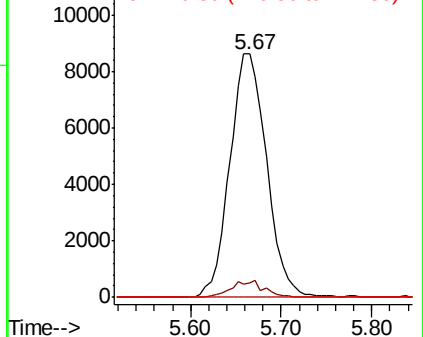
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 2.235 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

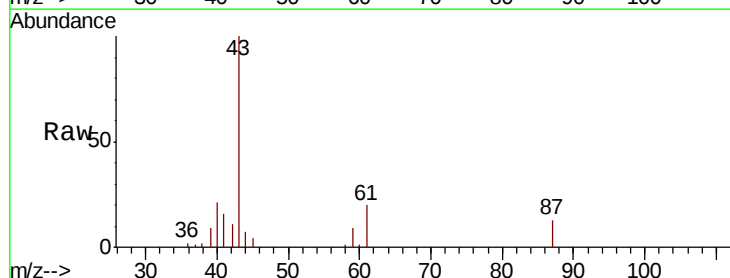
Tgt Ion: 43 Resp: 16097

Ion Ratio Lower Upper

43 100

61 19.9 16.3 24.5

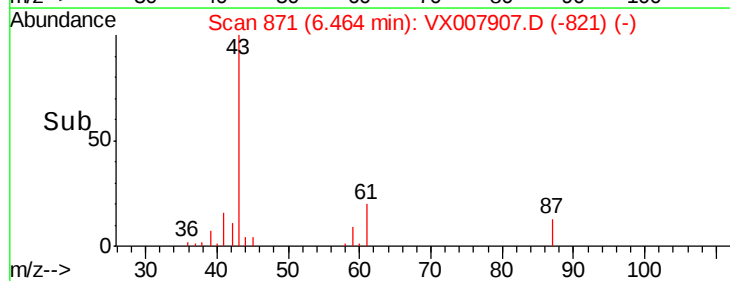
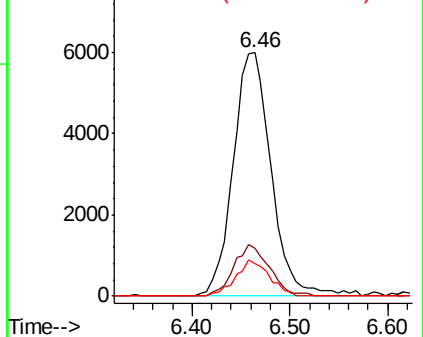
87 13.2 10.5 15.7

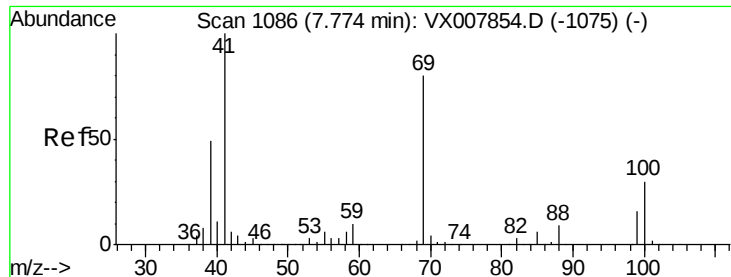


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

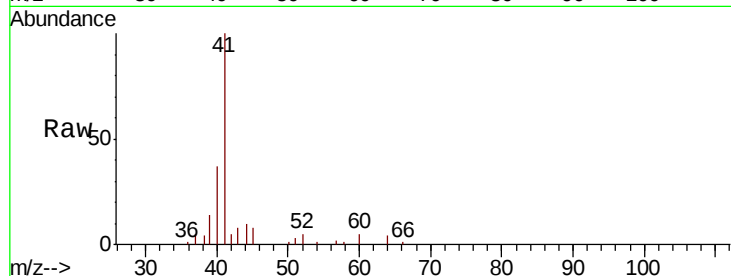




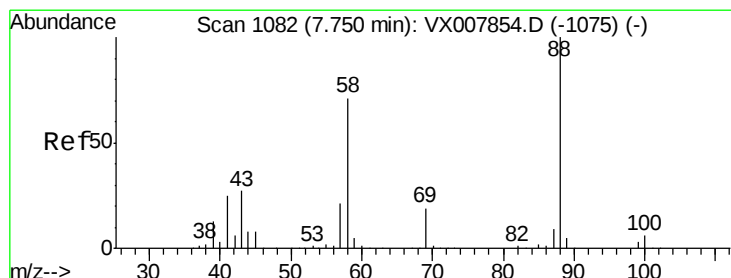
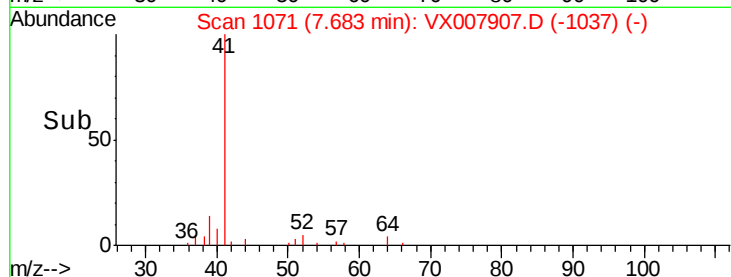
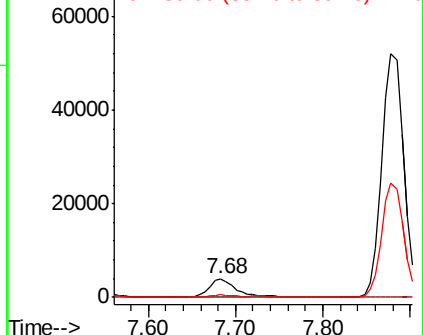
#48
Methyl methacrylate
Concen: 2.211 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Instrument :
MSVOA_X
ClientSampleId :
TP-6CD-S

Tgt Ion: 41 Resp: 8372
Ion Ratio Lower Upper
41 100
69 0.0 65.2 97.8#
39 0.0 39.4 59.2#

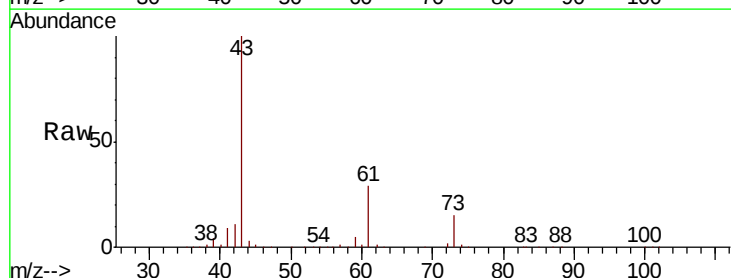


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

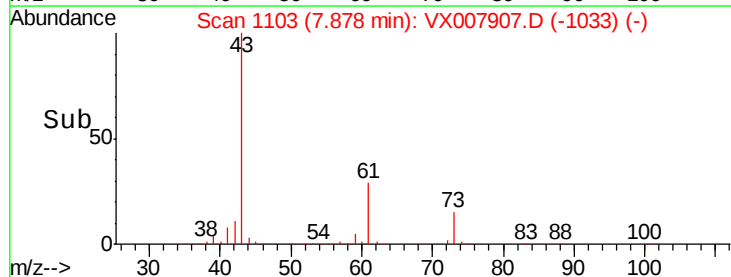
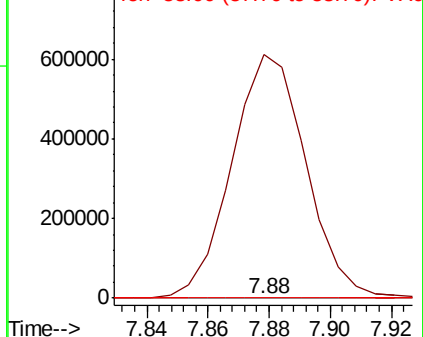


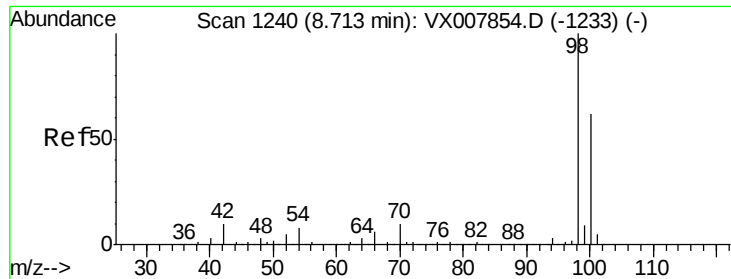
#49
1,4-Dioxane
Concen: 2.314 ug/l
RT: 7.88 min Scan# 1103
Delta R.T. 0.13 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Tgt Ion: 88 Resp: 180
Ion Ratio Lower Upper
88 100
43 578022.2 25.1 37.7#
58 2597.2 57.8 86.6#



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

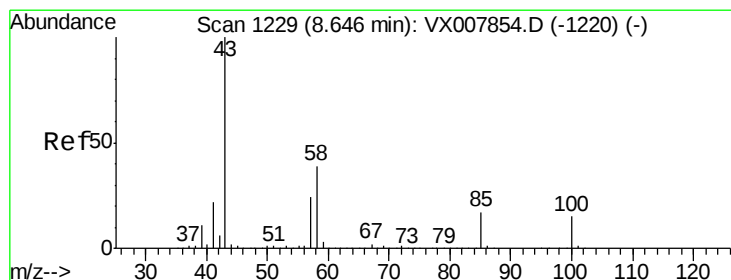
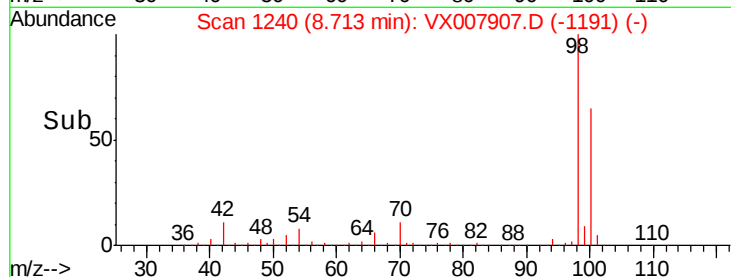
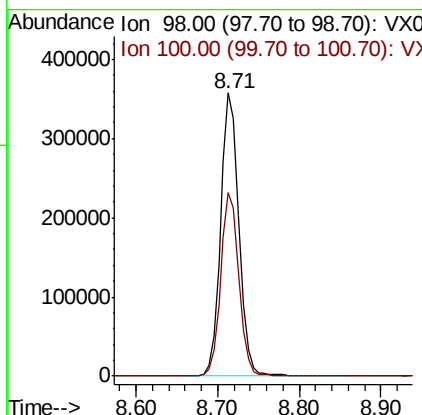
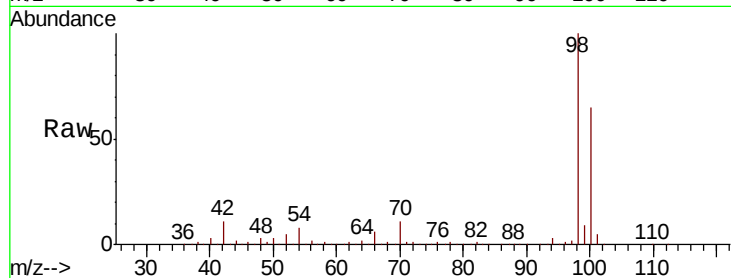




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

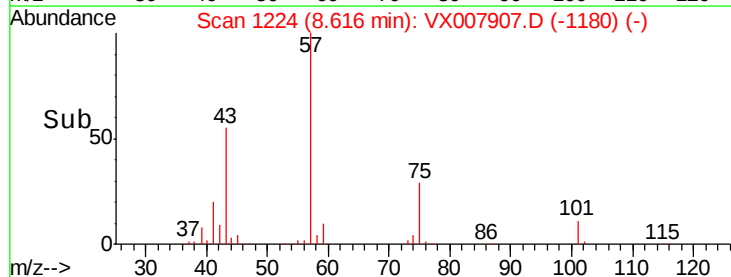
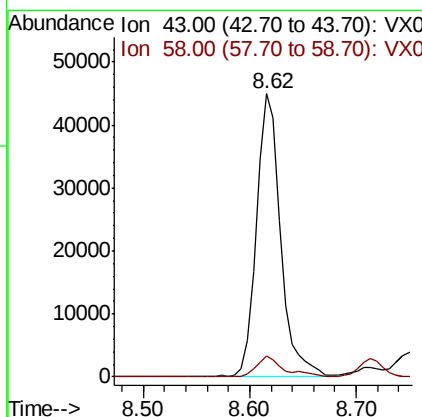
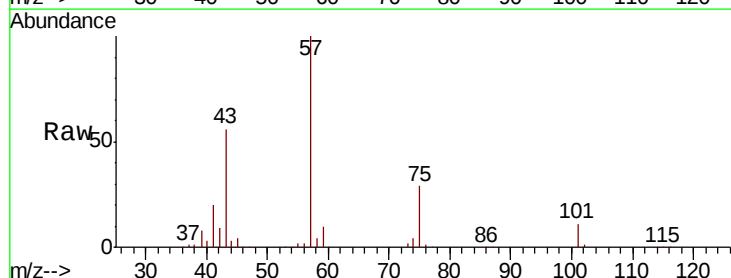
Instrument :
MSVOA_X
ClientSampleId :
TP-6CD-S

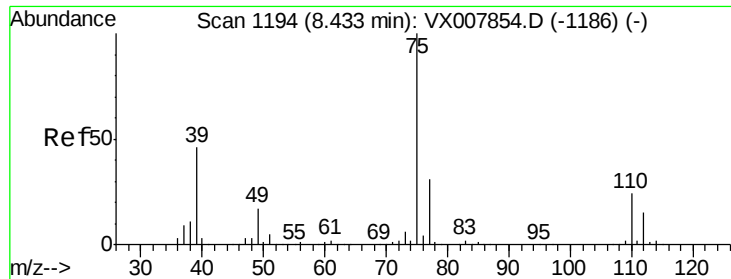
Tgt Ion: 98 Resp: 556407
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 15.393 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Tgt Ion: 43 Resp: 71294
Ion Ratio Lower Upper
43 100
58 8.5 31.3 46.9#





#54

cis-1,3-Dichloropropene

Concen: 7.568 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX007907.D

Acq: 08 Mar 2019 02:30

Instrument :

MSVOA_X

ClientSampleId :

TP-6CD-S

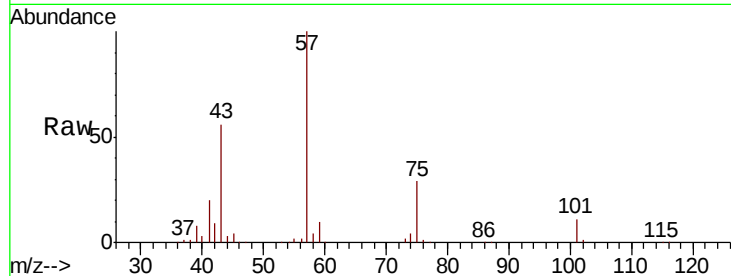
Tgt Ion: 75 Resp: 34509

Ion Ratio Lower Upper

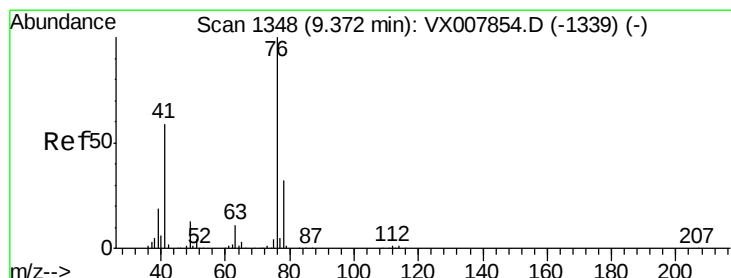
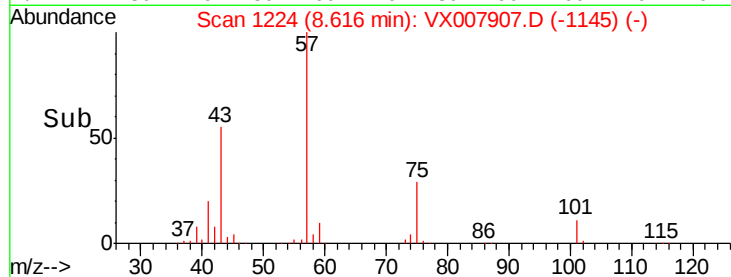
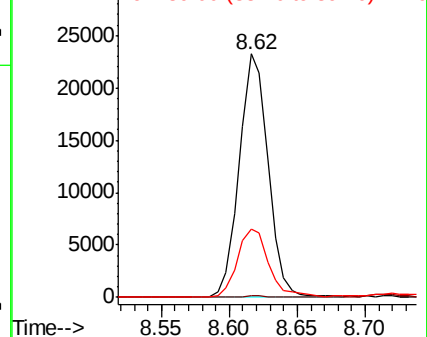
75 100

77 0.6 25.0 37.6#

39 28.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.363 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX007907.D

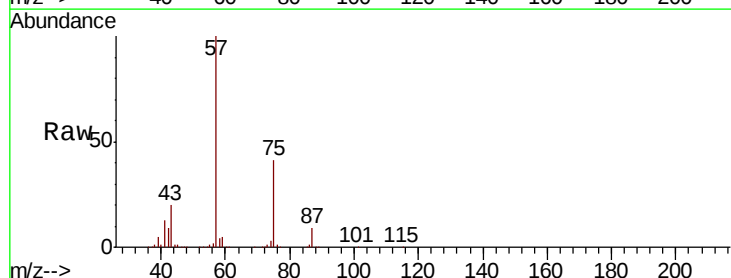
Acq: 08 Mar 2019 02:30

Tgt Ion: 76 Resp: 6903

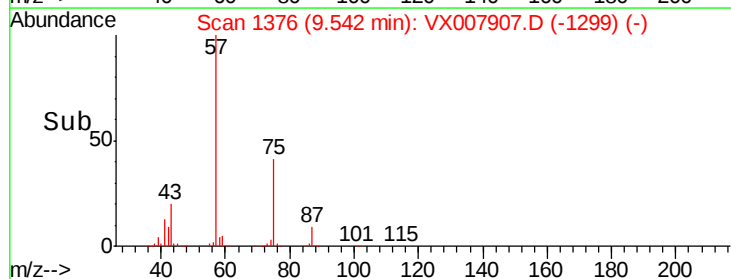
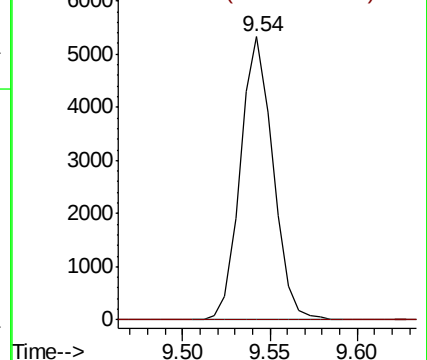
Ion Ratio Lower Upper

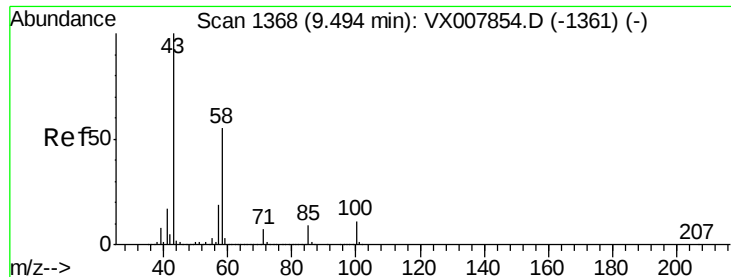
76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0
Ion 77.90 (77.60 to 78.60): VX0

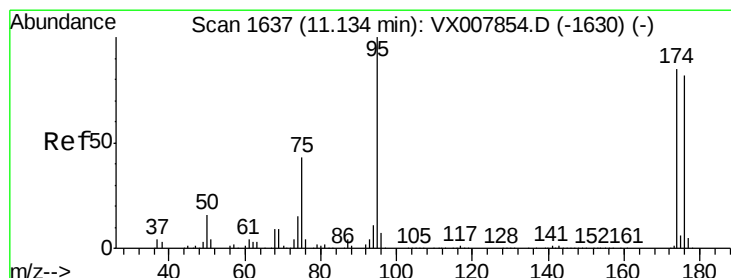
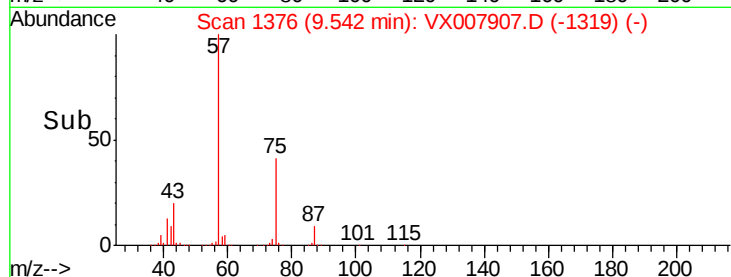
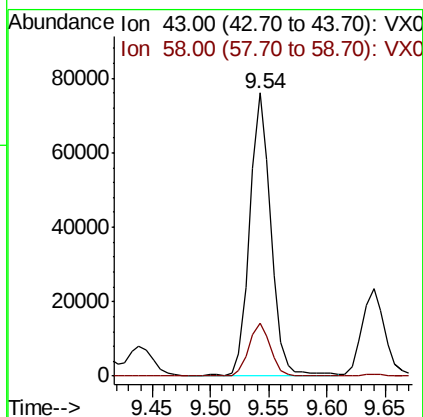
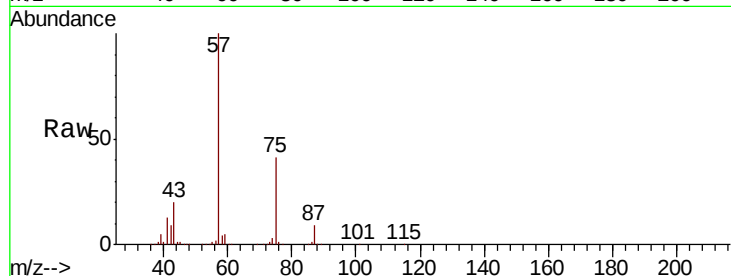




#59
2-Hexanone
Concen: 26.905 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

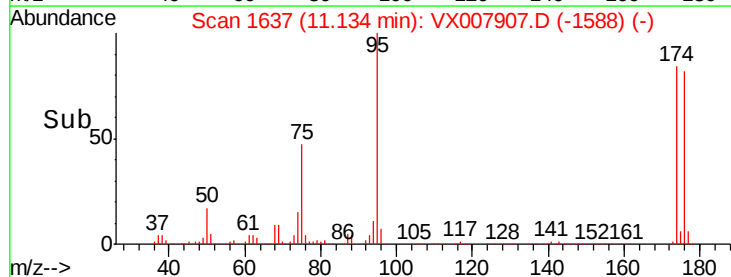
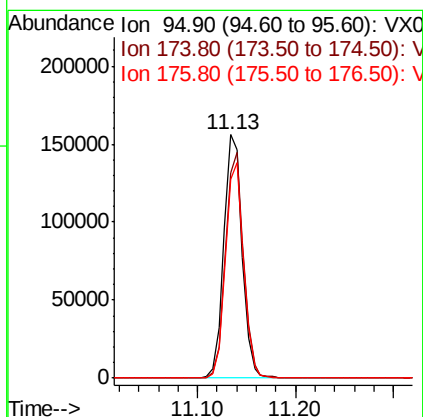
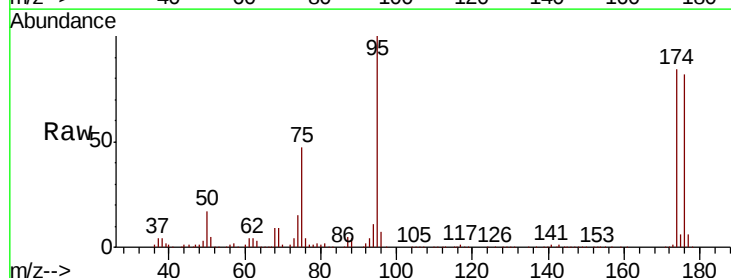
Instrument :
MSVOA_X
ClientSampleId :
TP-6CD-S

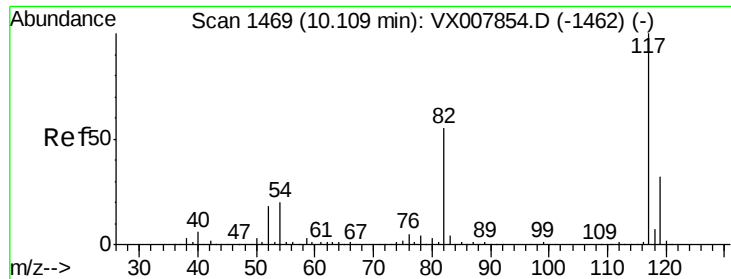
Tgt Ion: 43 Resp: 96745
Ion Ratio Lower Upper
43 100
58 19.6 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 54.139 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007907.D
Acq: 08 Mar 2019 02:30

Tgt Ion: 95 Resp: 201941
Ion Ratio Lower Upper
95 100
174 91.8 0.0 182.8
176 88.1 0.0 178.0

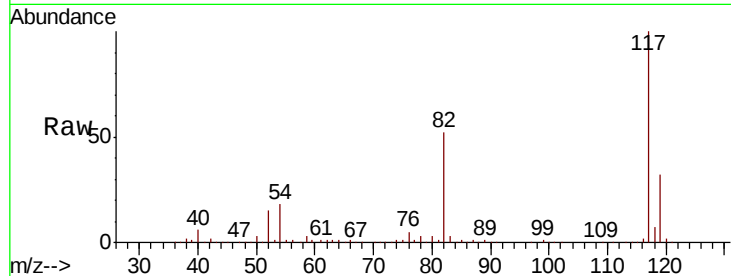




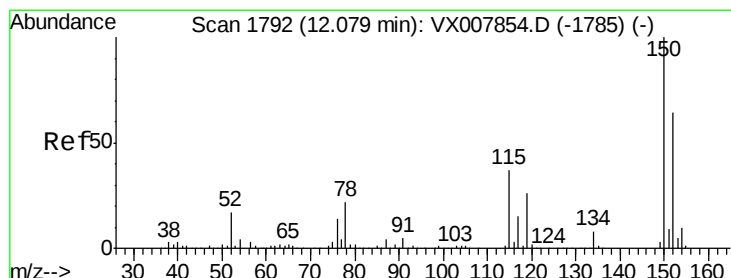
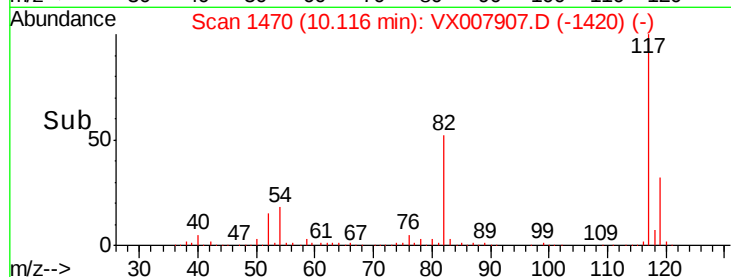
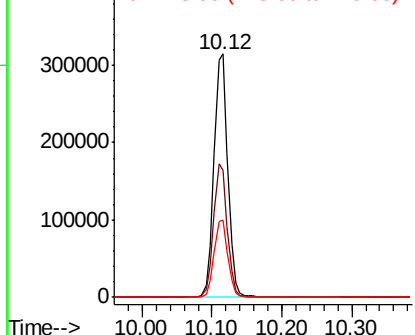
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Instrument :
 MSVOA_X
 ClientSampled :
 TP-6CD-S

Tgt Ion:117 Resp: 433457
 Ion Ratio Lower Upper
 117 100
 82 52.1 44.3 66.5
 119 31.9 25.3 37.9

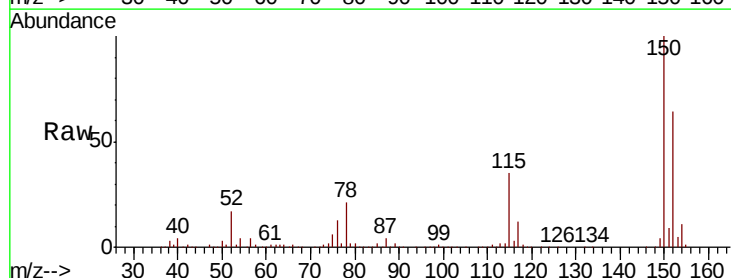


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 118.90 (118.60 to 119.60): V

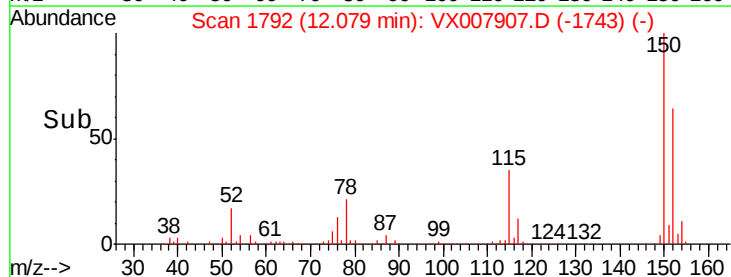
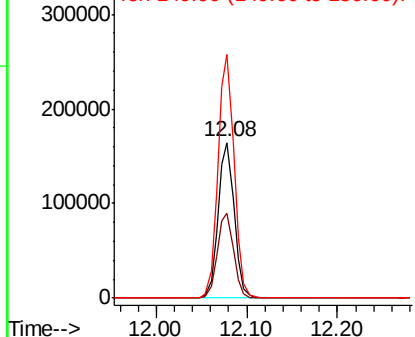


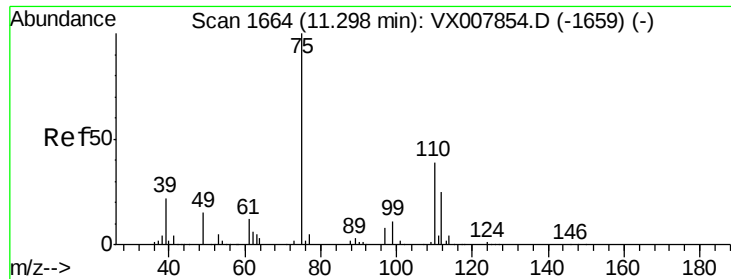
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Tgt Ion:152 Resp: 204255
 Ion Ratio Lower Upper
 152 100
 115 55.6 38.6 115.7
 150 157.1 0.0 348.4



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

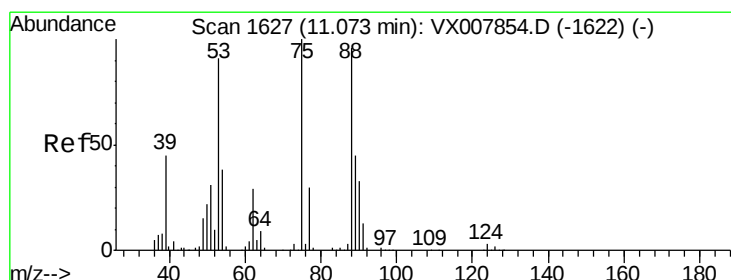
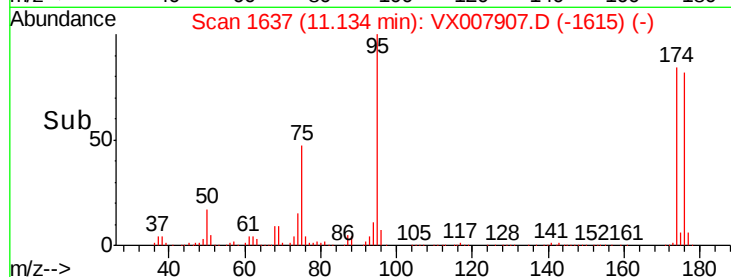
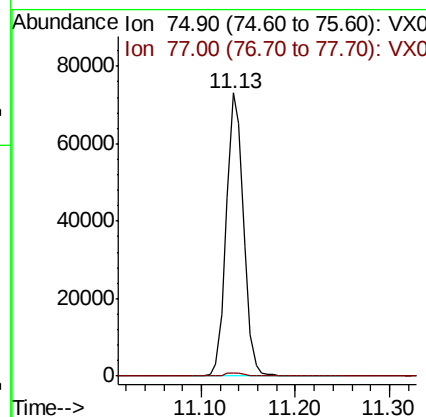
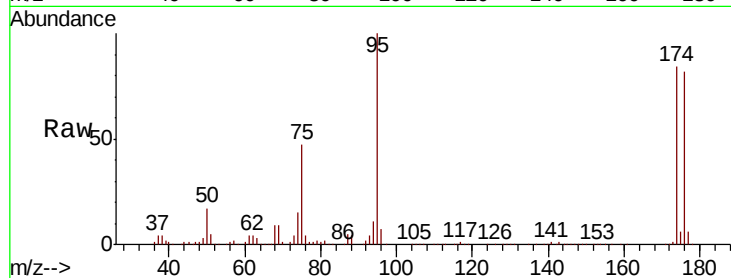




#76
 1,2,3-Trichloropropane
 Concen: 21.658 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Instrument :
 MSVOA_X
 ClientSampled :
 TP-6CD-S

Tgt Ion: 75 Resp: 92830
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.231 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX007907.D
 Acq: 08 Mar 2019 02:30

Tgt Ion: 75 Resp: 92830
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

