

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004707.D
 Acq On : 19 Sep 2018 15:52
 Operator : JC/MD
 Sample : J4939-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

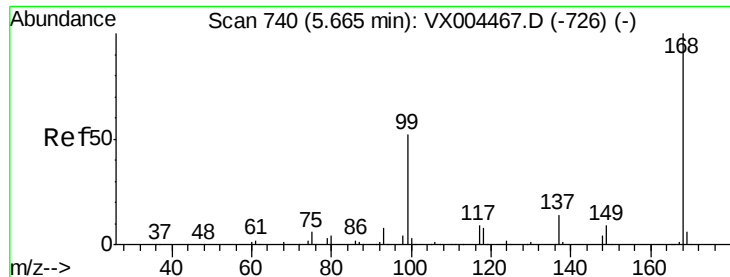
Quant Time: Sep 20 03:48:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166970	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	143965	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.50	113	123698	39.71	ug/l	0.00
Spiked Amount			Recovery	=	79.42%	
50) Toluene-d8	8.71	98	455521	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	
62) 4-Bromofluorobenzene	11.14	95	158526	42.52	ug/l	0.00
Spiked Amount			Recovery	=	85.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.45	85	2739	1.36	ug/l	94
4) Vinyl Chloride	1.40	62	29752	10.43	ug/l	99
5) Bromomethane	1.65	94	657	Below Cal	#	80
6) Chloroethane	1.73	64	1024	0.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	545	0.23	ug/l	# 20
10) Methyl Iodide	2.52	142	494	4.41	ug/l	# 76
11) Tert butyl alcohol	3.07	59	1094	1.65	ug/l	95
12) 1,1-Dichloroethene	2.37	96	194413	86.31	ug/l	94
13) Acrolein	2.28	56	204	0.78	ug/l	# 1
14) Allyl chloride	2.62	41	2939	0.63	ug/l	# 66
16) Acetone	2.45	43	3710	2.73	ug/l	89
20) Methylene Chloride	2.86	84	744	0.27	ug/l	# 92
21) trans-1,2-Dichloroethene	3.17	96	523	0.21	ug/l	# 74
24) 1,1-Dichloroethane	3.70	63	143945	30.57	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	41368	14.89	ug/l	89
29) Tetrahydrofuran	5.17	42	477	0.37	ug/l	# 53
32) 1,1,1-Trichloroethane	5.49	97	1178	0.32	ug/l	# 47
36) 1,1-Dichloropropene	5.67	75	13025	3.15	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	18065	4.48	ug/l	# 16
39) Methylcyclohexane	7.46	83	1188	0.28	ug/l	92
40) Benzene	6.15	78	7190	0.59	ug/l	94
42) 1,2-Dichloroethane	6.20	62	9081	2.23	ug/l	99
43) Isopropyl Acetate	6.38	43	18290	2.93	ug/l	# 61
44) Trichloroethene	7.22	130	3174	1.00	ug/l	86
48) Methyl methacrylate	7.74	41	876	0.28	ug/l	# 34
49) 1,4-Dioxane	7.75	88	43363	593.04	ug/l	# 95
58) 2-Chloroethyl Vinyl ether	8.37	63	183	7.35	ug/l	# 45
76) 1,2,3-Trichloropropane	11.14	75	73510	21.88	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	73510	69.75	ug/l	# 16

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

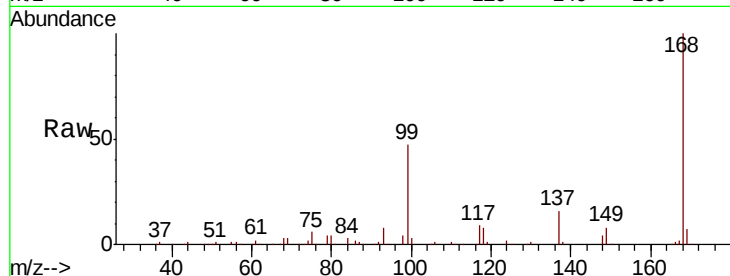
DUP-1

Tot Ion:168 Resp: 215580

Ion Ratio Lower Upper

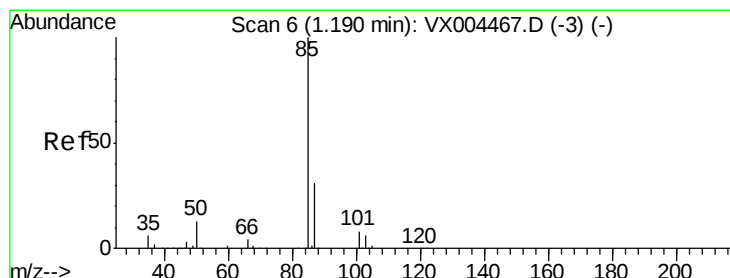
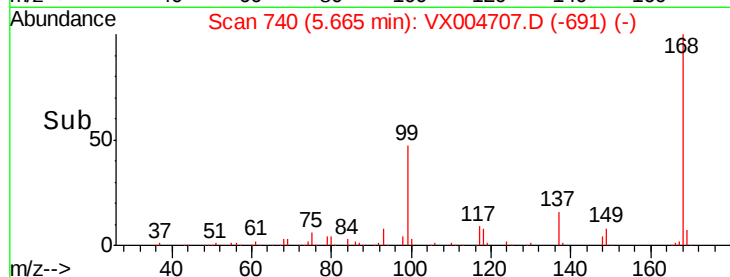
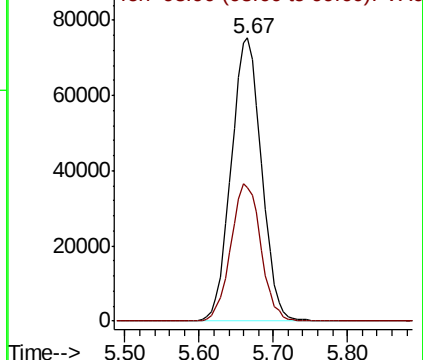
168 100

99 47.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.36 ug/l

RT: 1.45 min Scan# 48

Delta R.T. 0.26 min

Lab File: VX004707.D

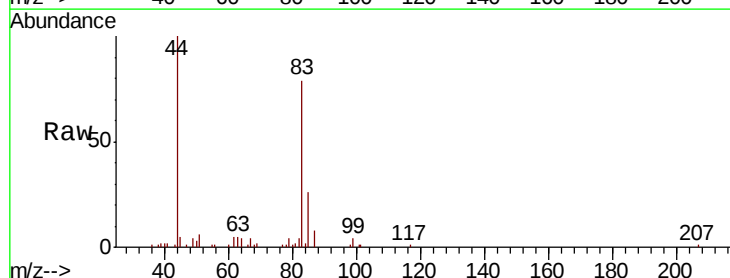
Acq: 19 Sep 2018 15:52

Tgt Ion: 85 Resp: 2739

Ion Ratio Lower Upper

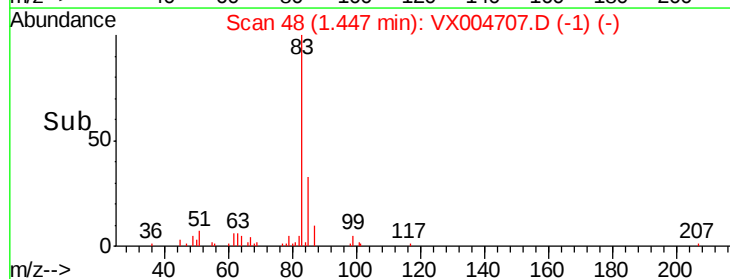
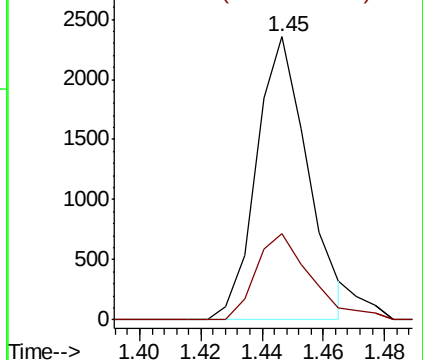
85 100

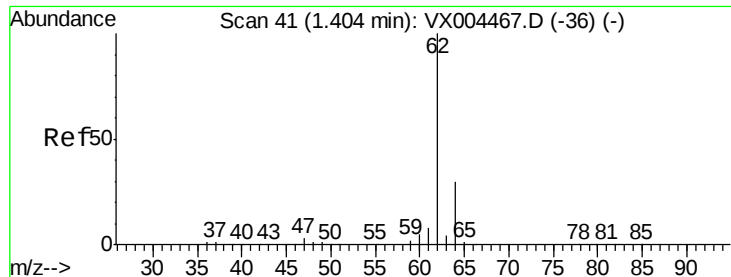
87 30.6 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 10.43 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

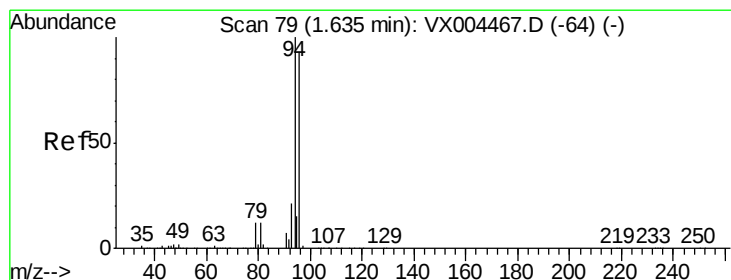
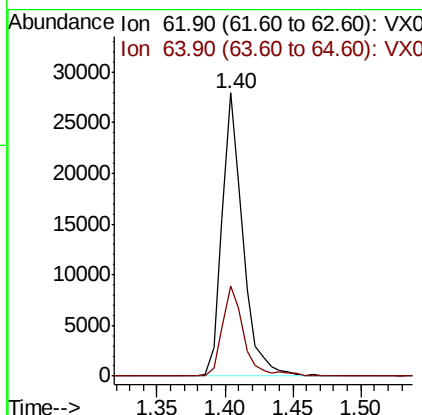
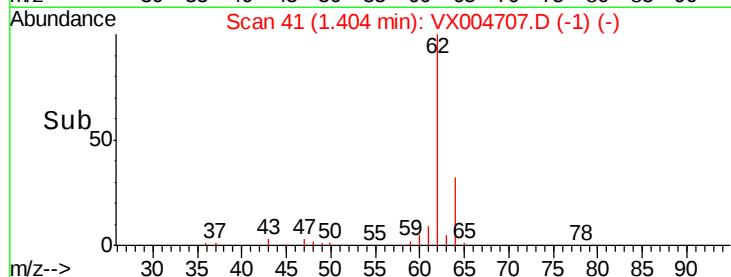
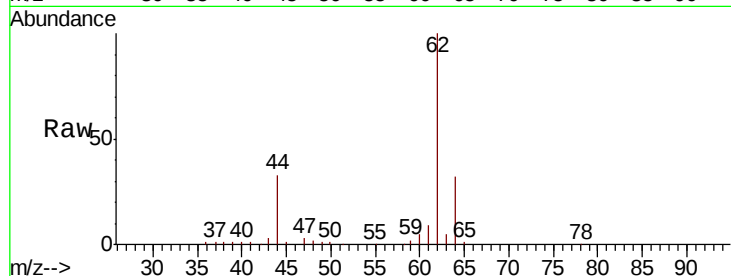
DUP-1

Tot Ion: 62 Resp: 29752

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004707.D

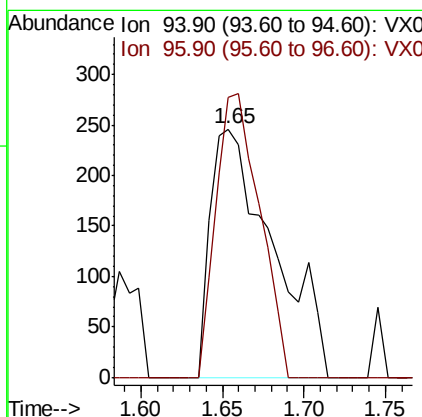
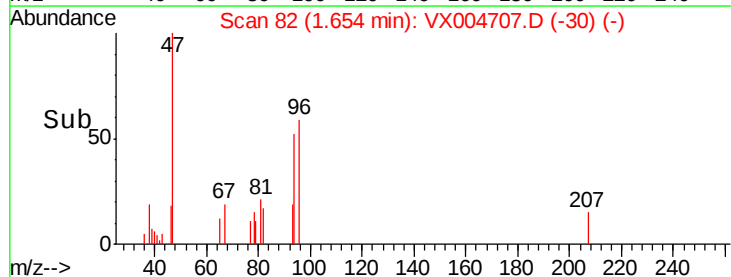
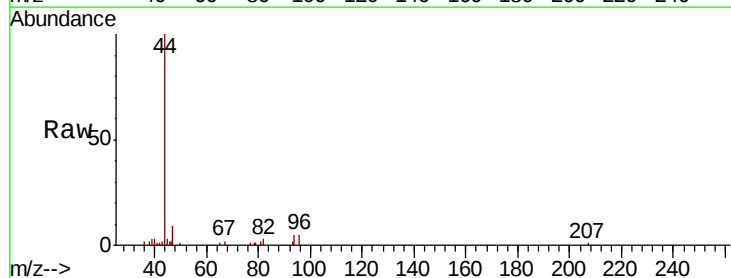
Acq: 19 Sep 2018 15:52

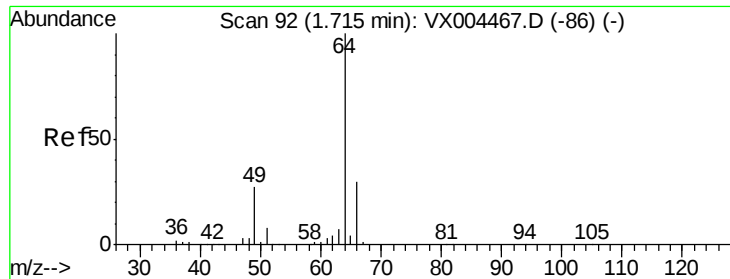
Tgt Ion: 94 Resp: 657

Ion Ratio Lower Upper

94 100

96 112.6 74.5 111.7#





#6

Chloroethane

Concen: 0.55 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

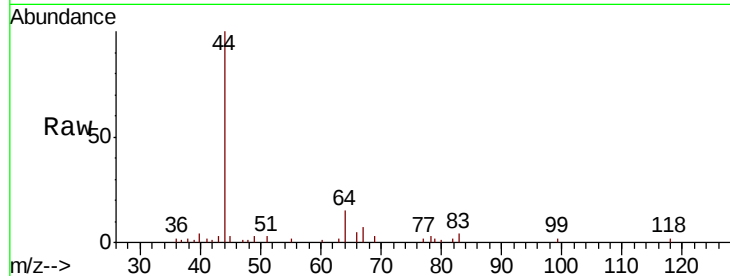
DUP-1

Tot Ion: 64 Resp: 1024

Ion Ratio Lower Upper

64 100

66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

800

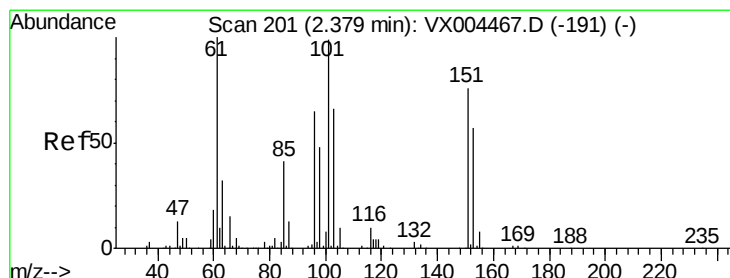
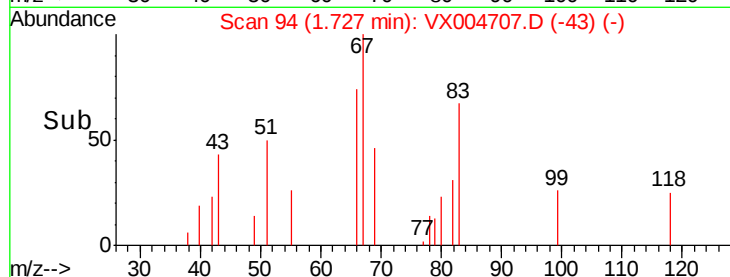
600

400

200

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.23 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

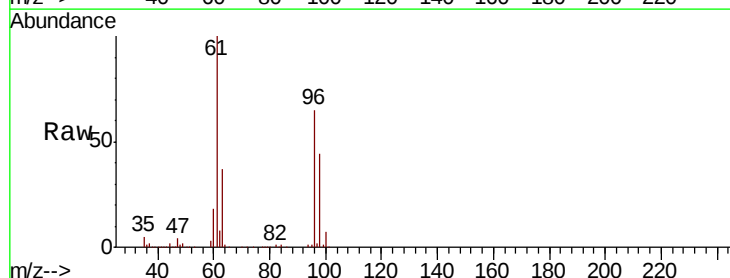
Tgt Ion:101 Resp: 545

Ion Ratio Lower Upper

101 100

85 0.0 34.2 51.4#

151 3.5 65.0 97.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

400

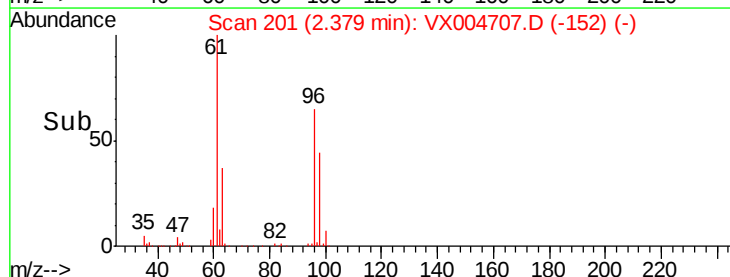
300

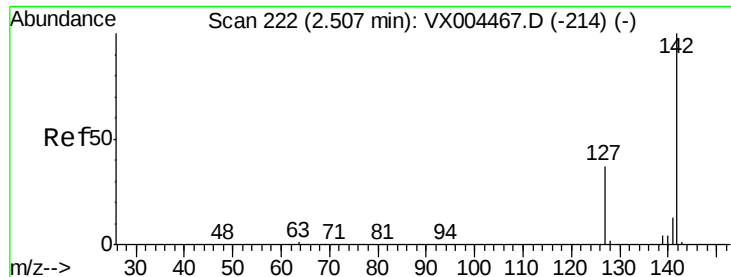
200

100

0

Time-->

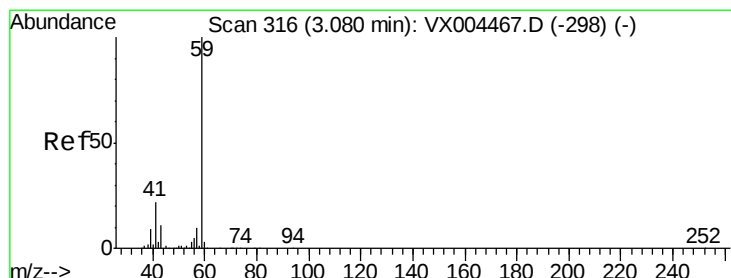
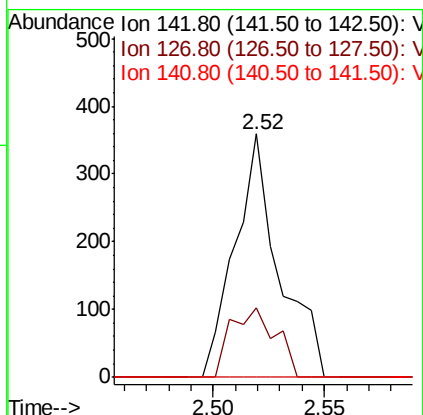
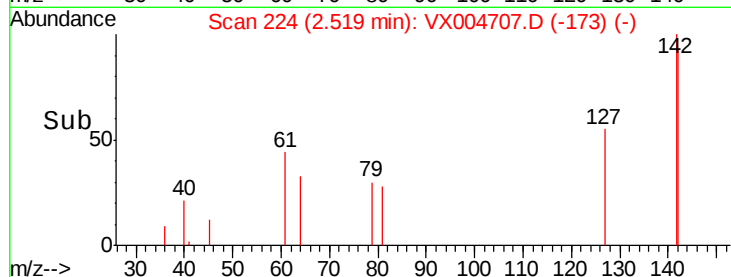
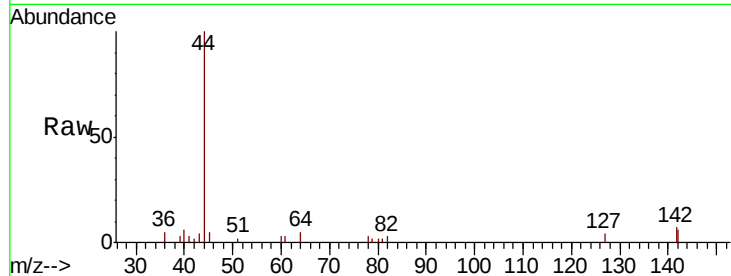




#10
Methvl Iodide
Concen: 4.41 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

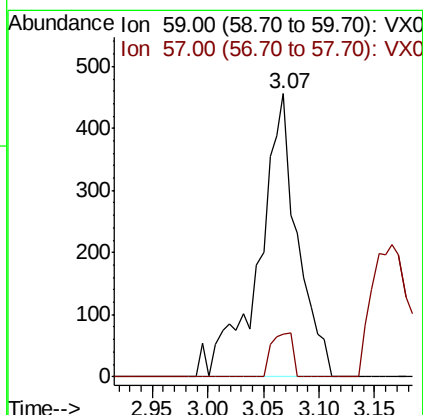
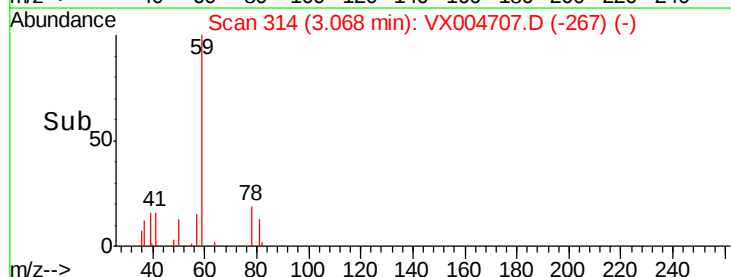
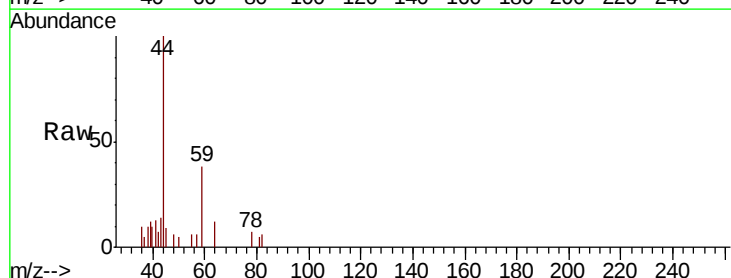
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

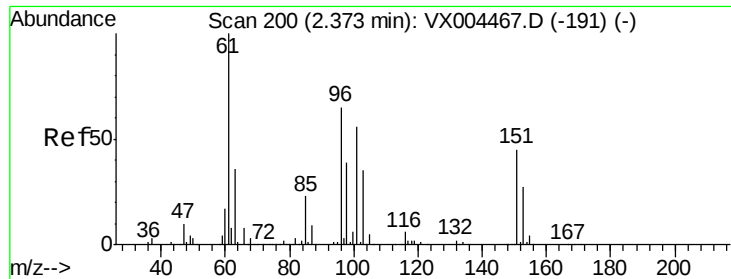
Tot Ion:142 Resp: 494
Ion Ratio Lower Upper
142 100
127 29.1 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.65 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

Tgt Ion: 59 Resp: 1094
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4





#12

1,1-Dichloroethene

Concen: 86.31 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

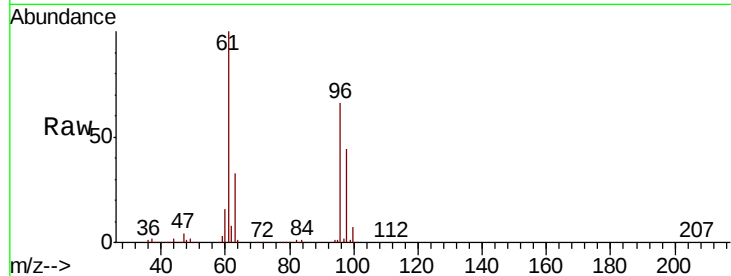
Tot Ion: 96 Resp: 194413

Ion Ratio Lower Upper

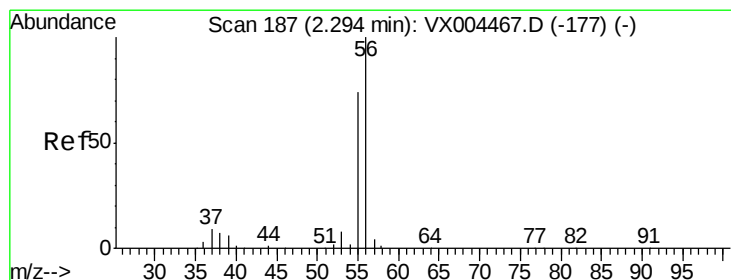
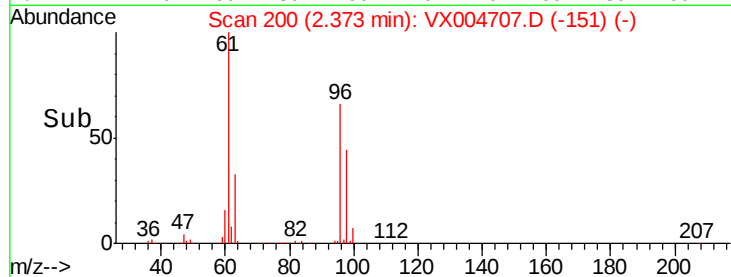
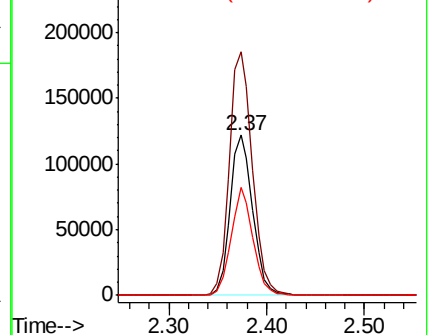
96 100

61 152.3 128.8 193.2

98 67.7 52.2 78.2



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: 0.78 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX004707.D

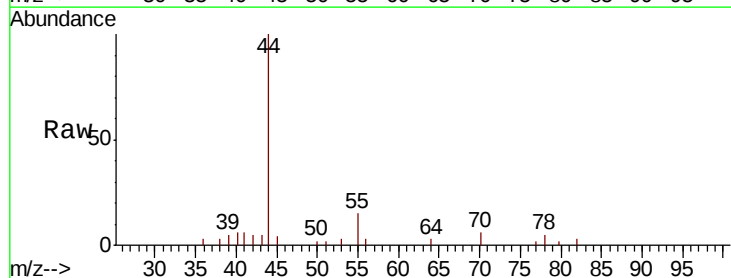
Acq: 19 Sep 2018 15:52

Tgt Ion: 56 Resp: 204

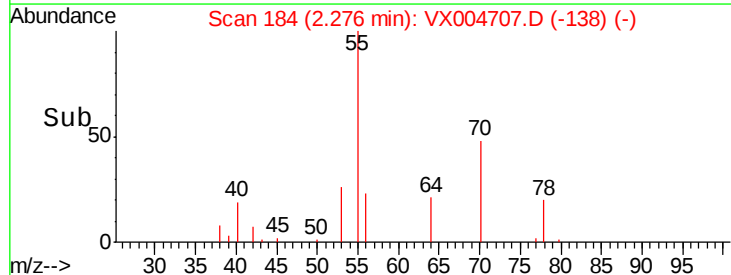
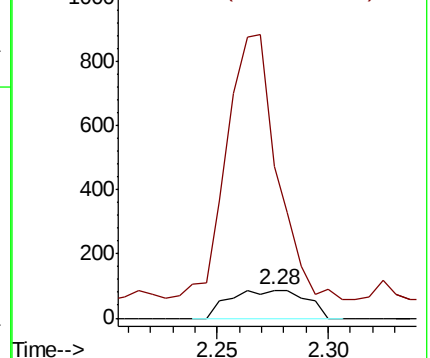
Ion Ratio Lower Upper

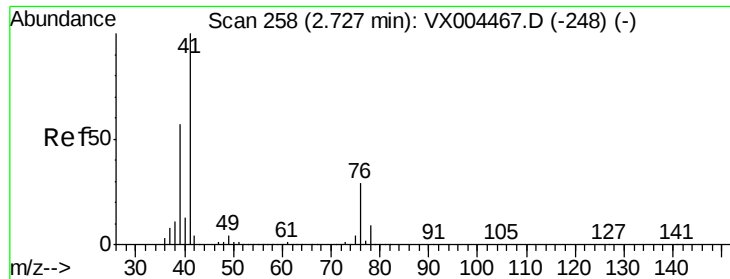
56 100

55 778.9 54.7 82.1#



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





#14

Allvl chloride

Concen: 0.63 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

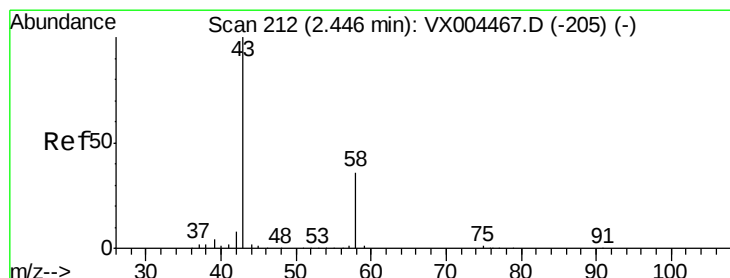
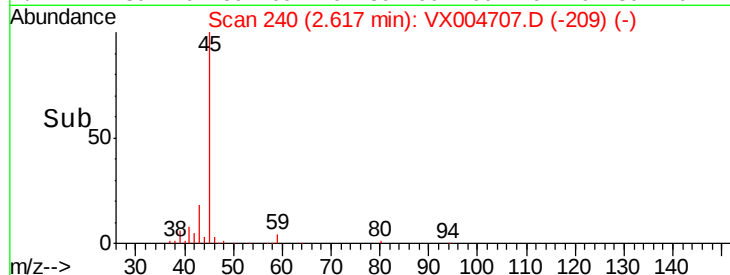
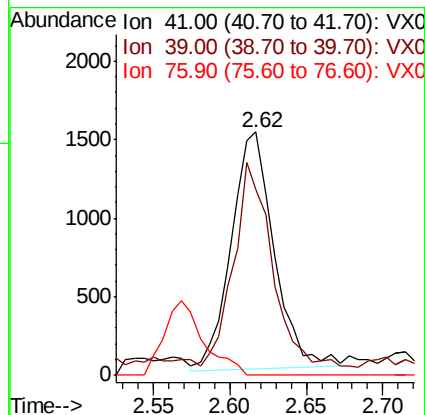
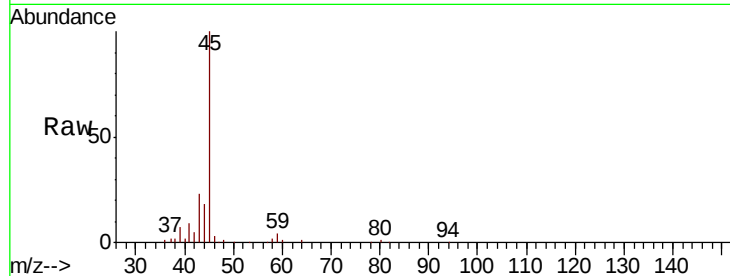
Tot Ion: 41 Resp: 2939

Ion Ratio Lower Upper

41 100

39 77.1 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 2.73 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004707.D

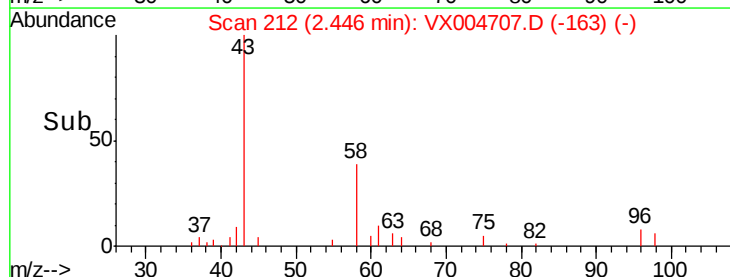
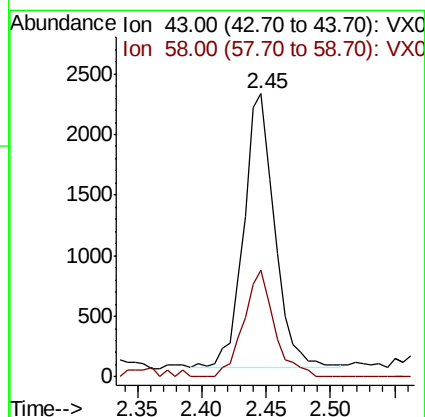
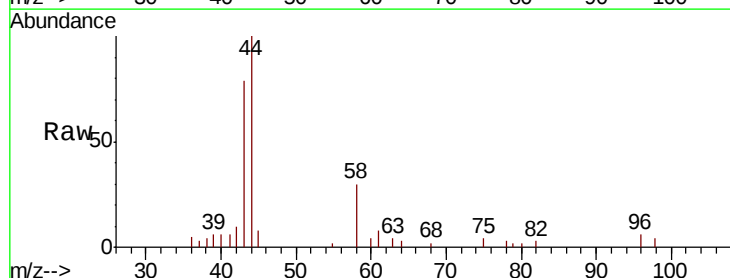
Acq: 19 Sep 2018 15:52

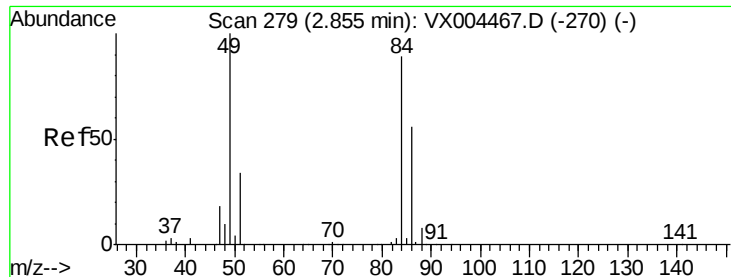
Tgt Ion: 43 Resp: 3710

Ion Ratio Lower Upper

43 100

58 39.0 26.2 39.4

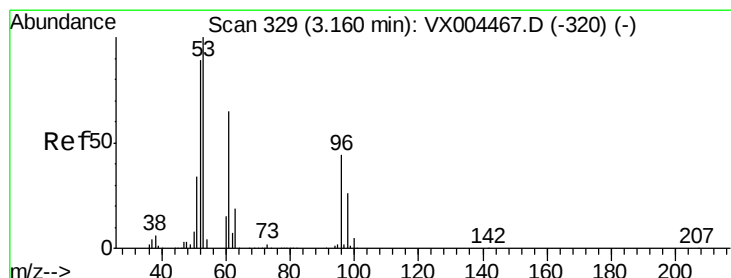
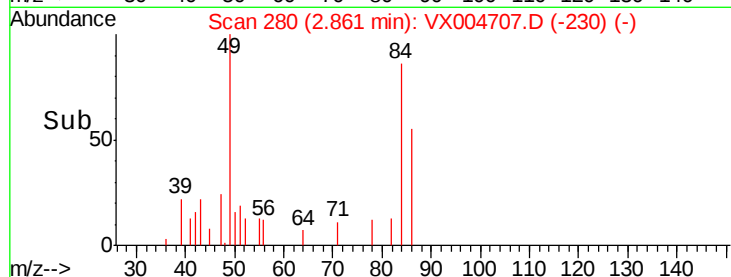
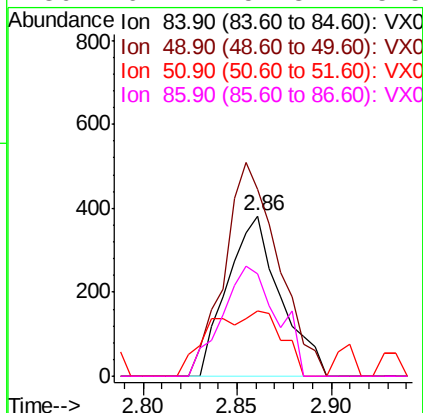
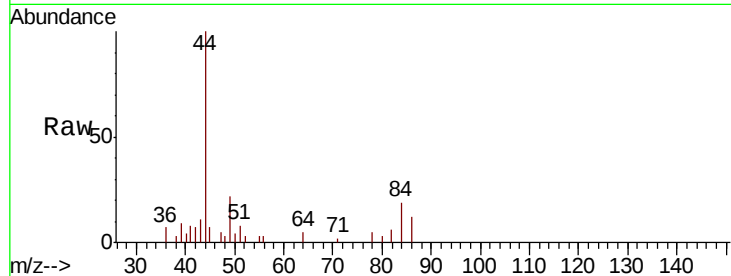




#20
Methvlene Chloride
Concen: 0.27 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

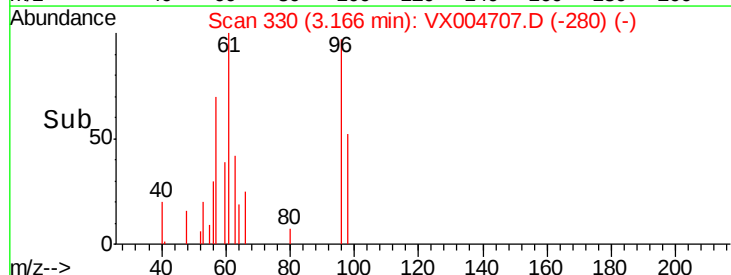
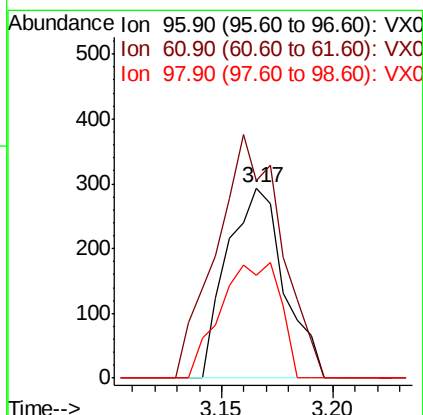
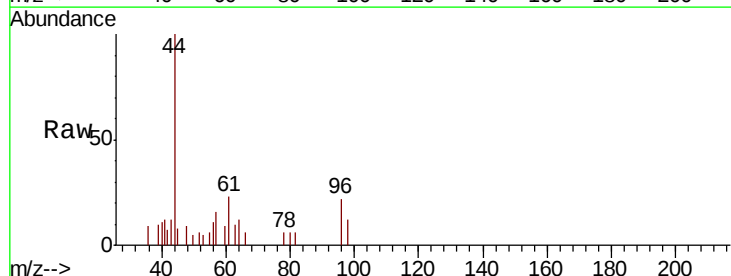
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

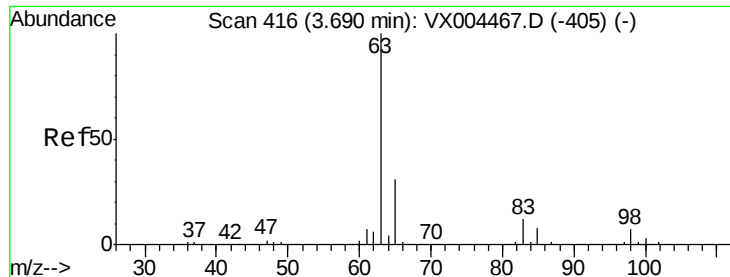
Tot Ion: 84 Resp: 744
Ion Ratio Lower Upper
84 100
49 116.5 101.2 151.8
51 27.0 29.5 44.3#
86 64.1 52.3 78.5



#21
trans-1,2-Dichloroethene
Concen: 0.21 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

Tgt Ion: 96 Resp: 523
Ion Ratio Lower Upper
96 100
61 103.4 113.8 170.6#
98 53.7 51.8 77.8





#24

1,1-Dichloroethane

Concen: 30.57 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

DUP-1

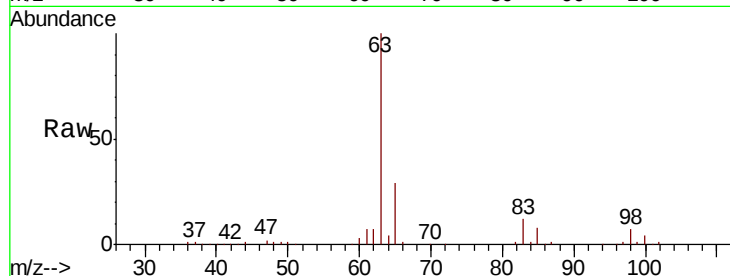
Tot Ion: 63 Resp: 143945

Ion Ratio Lower Upper

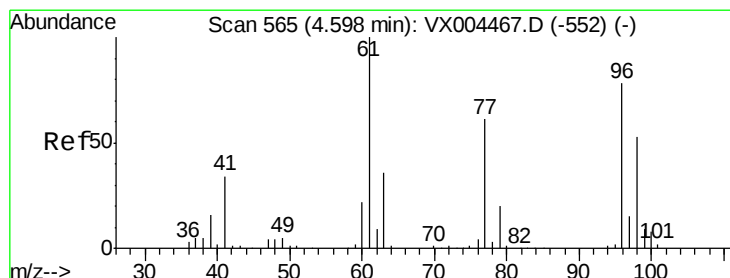
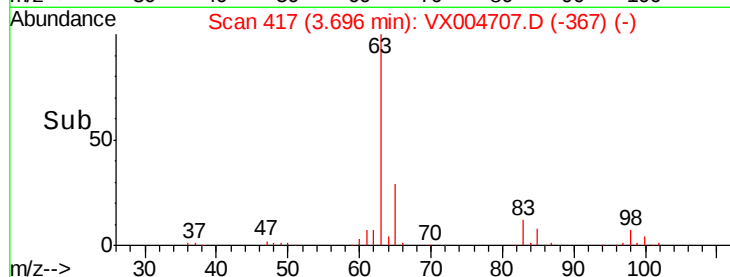
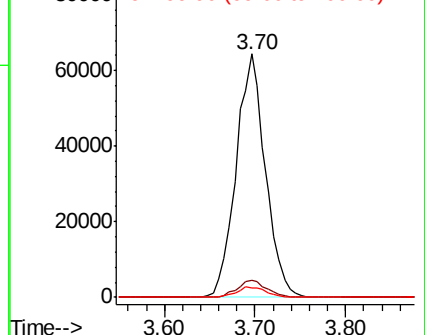
63 100

98 6.8 3.5 10.4

100 3.9 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 14.89 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

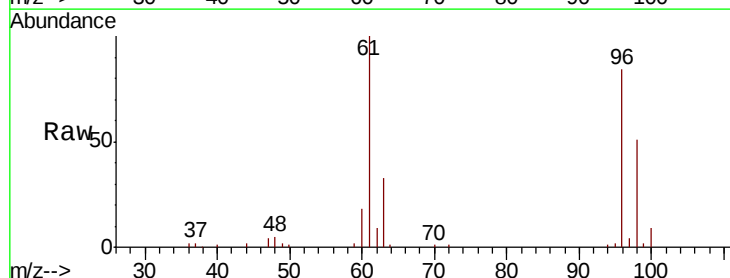
Tgt Ion: 96 Resp: 41368

Ion Ratio Lower Upper

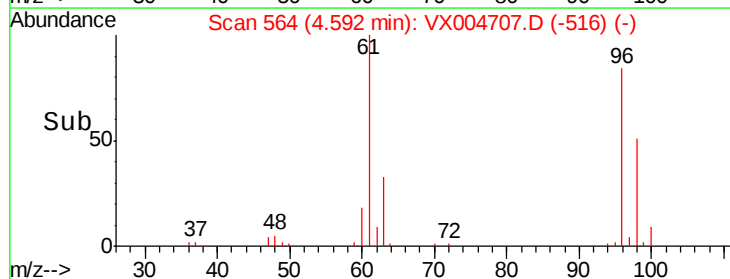
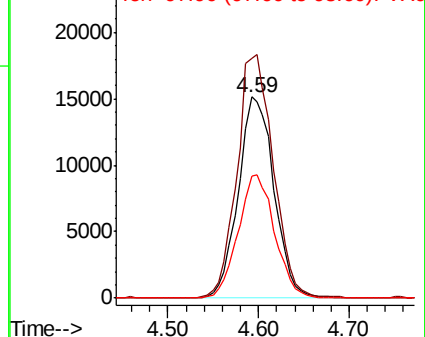
96 100

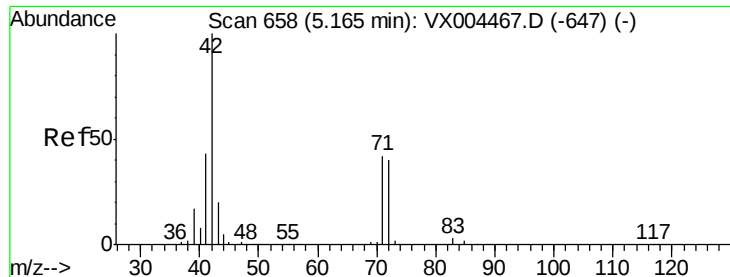
61 123.1 0.0 282.6

98 62.2 0.0 130.2



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

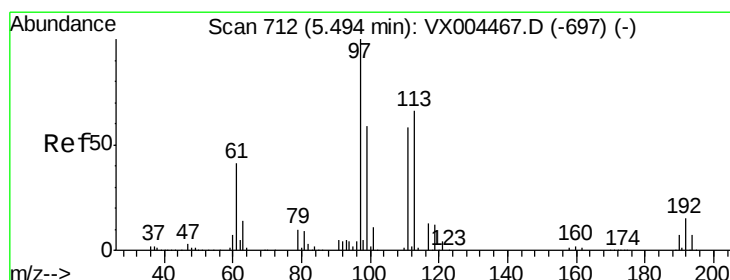
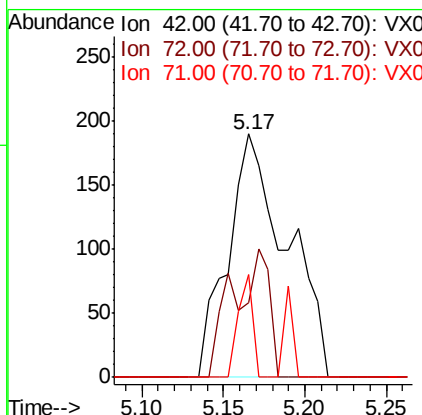
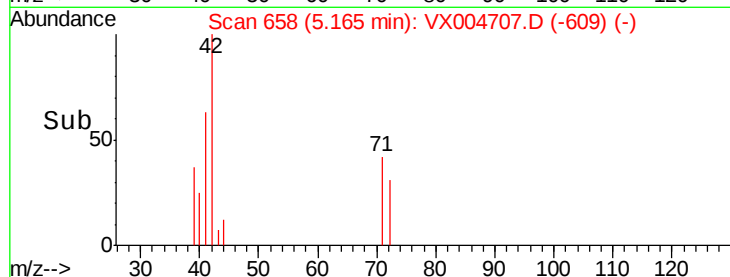
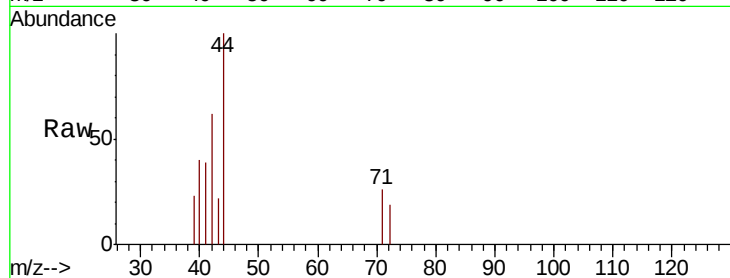




#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

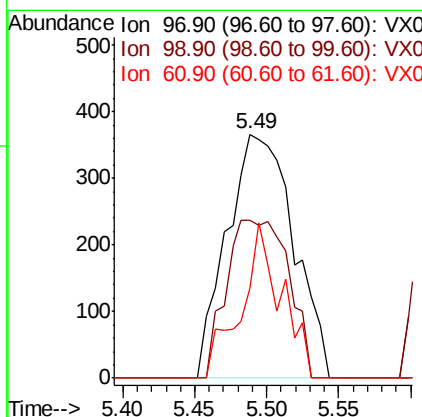
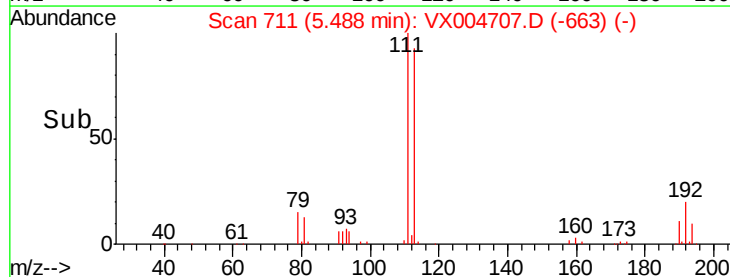
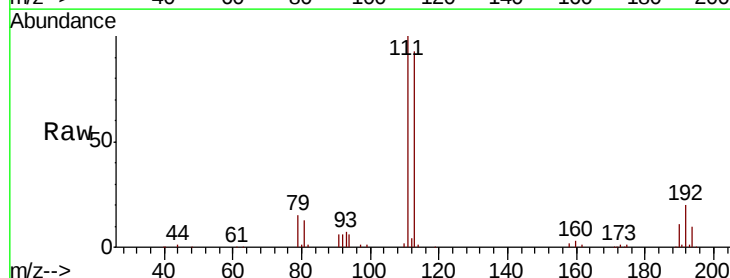
Instrument :
MSVOA_X
ClientSampleID :
DUP-1

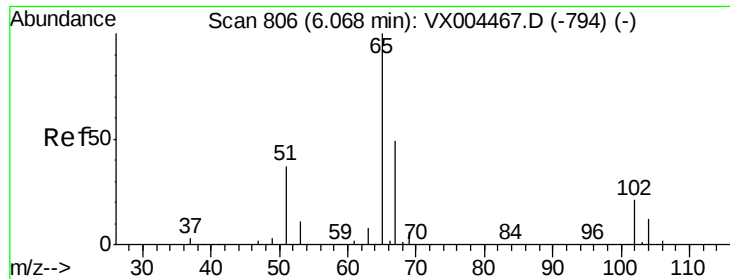
Tot Ion: 42 Resp: 477
Ion Ratio Lower Upper
42 100
72 18.7 37.4 56.0#
71 10.1 34.5 51.7#



#32
1,1,1-Trichloroethane
Concen: 0.32 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

Tgt Ion: 97 Resp: 1178
Ion Ratio Lower Upper
97 100
99 0.0 52.0 78.0#
61 38.5 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 51.79 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

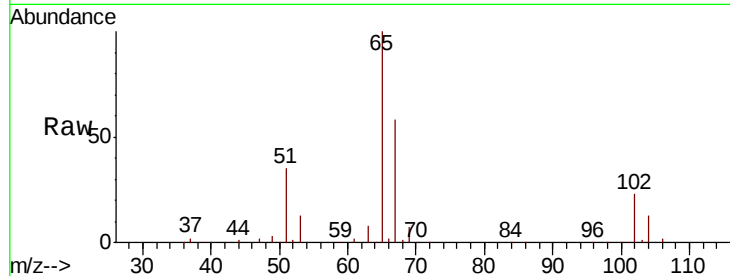
DUP-1

Tot Ion: 65 Resp: 143965

Ion Ratio Lower Upper

65 100

67 55.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

30000

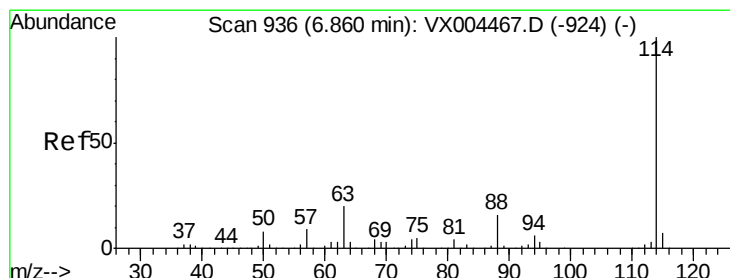
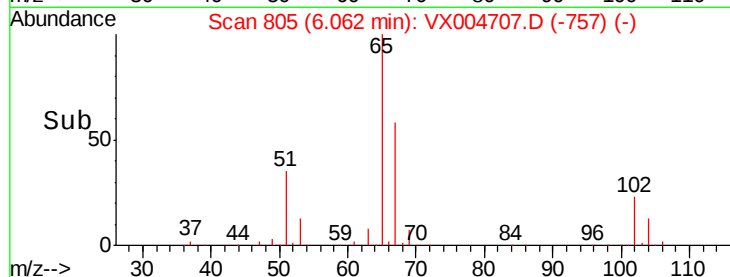
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

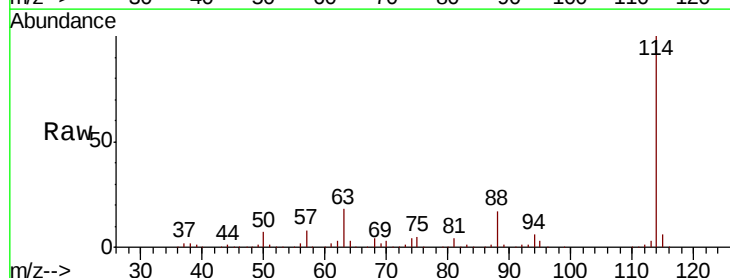
Tgt Ion: 114 Resp: 340383

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.0

88 16.6 0.0 30.4



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

200000

150000

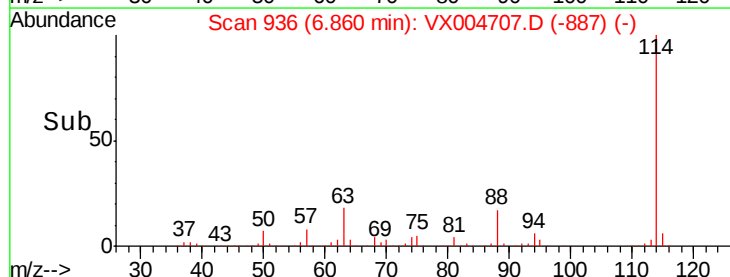
100000

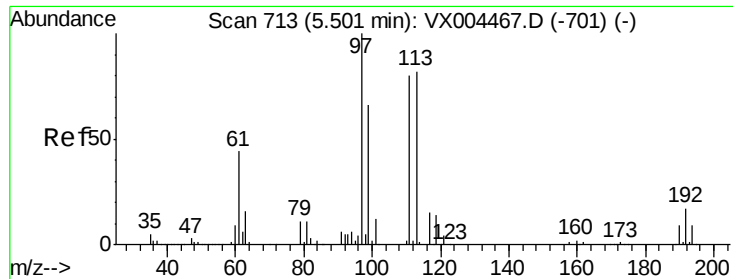
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10

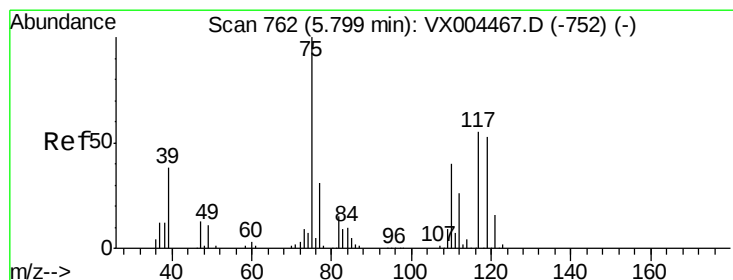
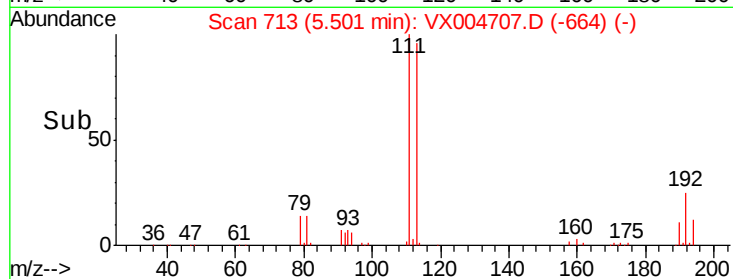
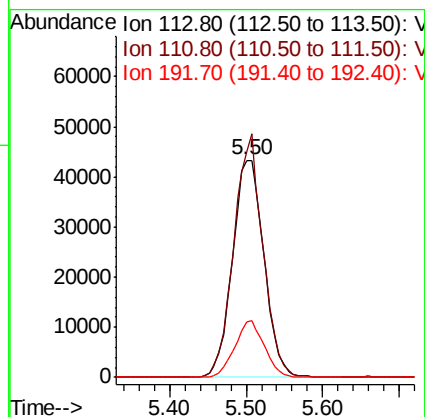
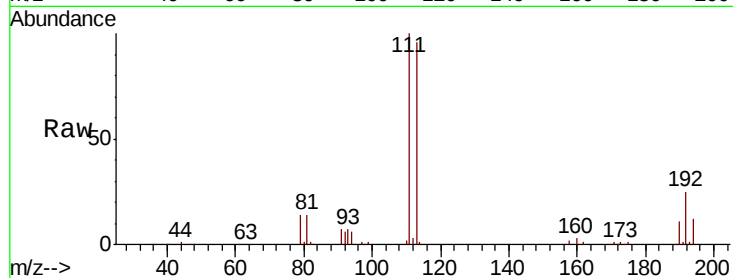




#35
 Dibromofluoromethane
 Concen: 39.71 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004707.D
 Acq: 19 Sep 2018 15:52

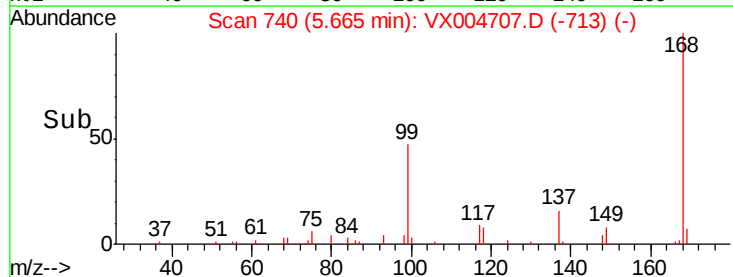
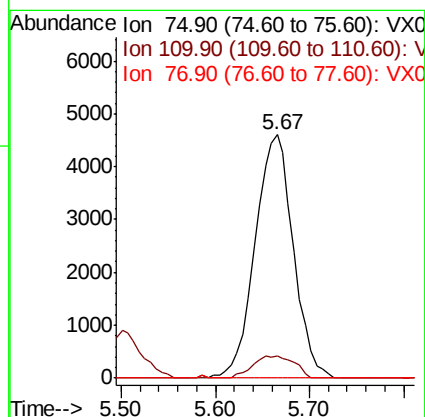
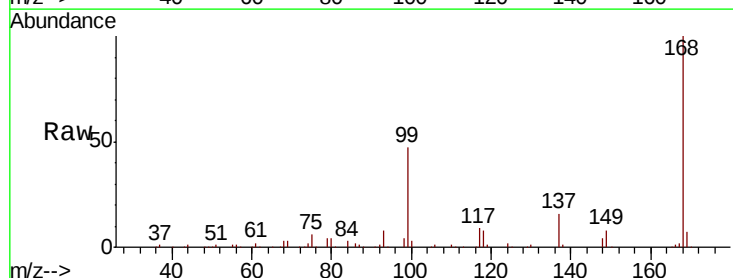
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

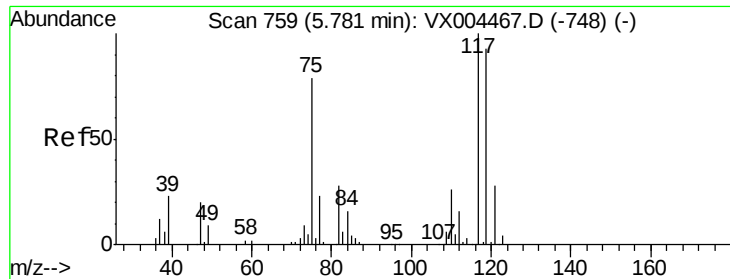
Tot Ion:113 Resp: 123698
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 24.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.15 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004707.D
 Acq: 19 Sep 2018 15:52

Tgt Ion: 75 Resp: 13025
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.48 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

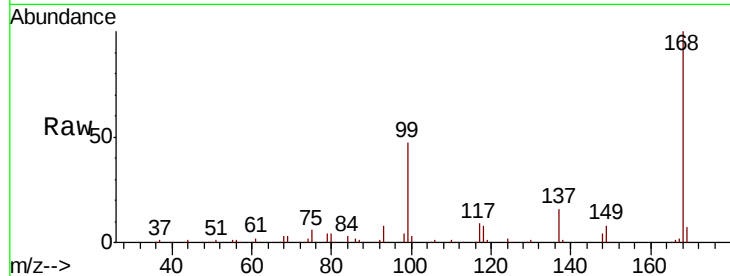
Tot Ion:117 Resp: 18065

Ion Ratio Lower Upper

117 100

119 7.0 78.8 118.2#

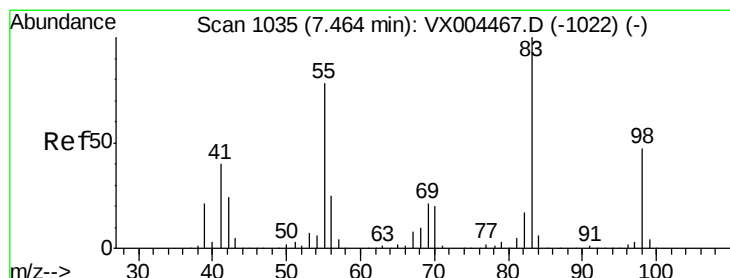
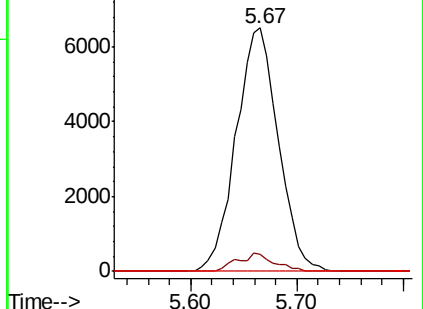
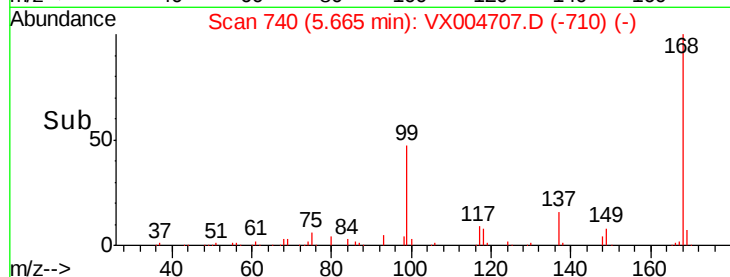
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 0.28 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

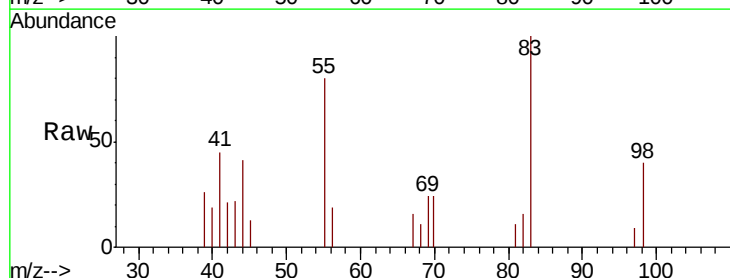
Tgt Ion: 83 Resp: 1188

Ion Ratio Lower Upper

83 100

55 80.2 61.0 91.4

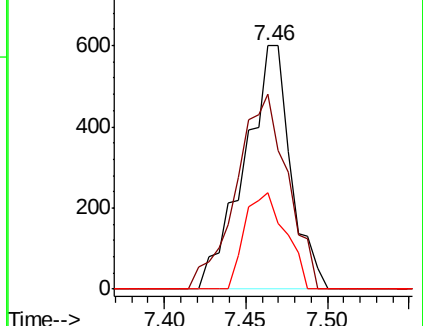
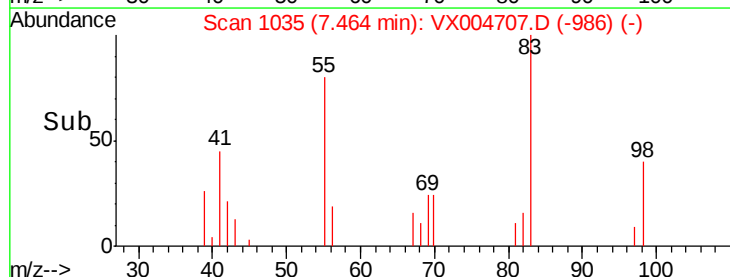
98 39.8 39.6 59.4

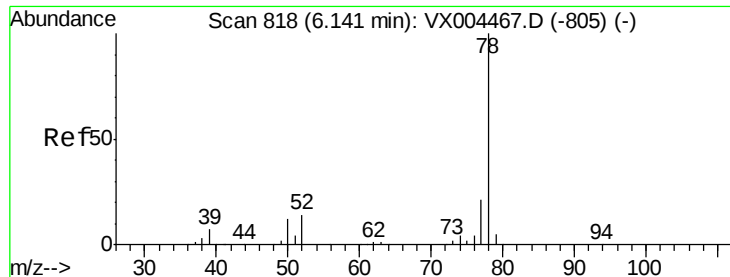


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.59 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

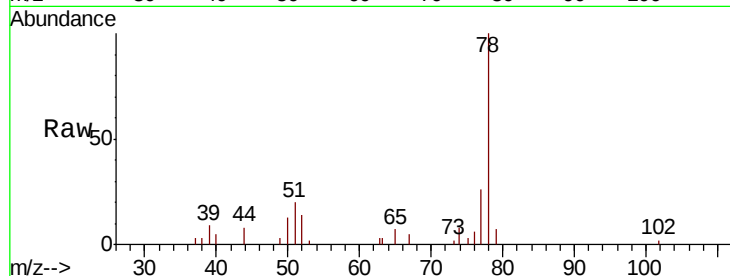
DUP-1

Tot Ion: 78 Resp: 7190

Ion Ratio Lower Upper

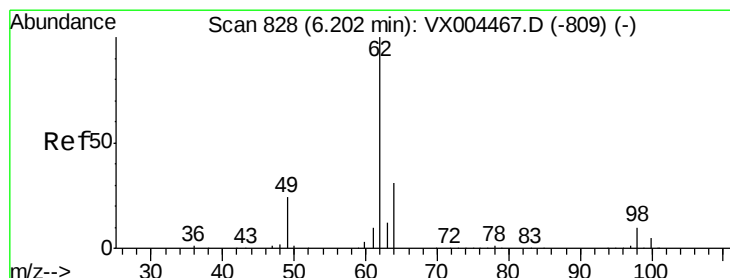
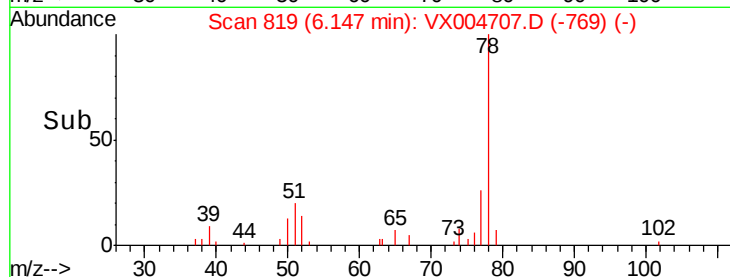
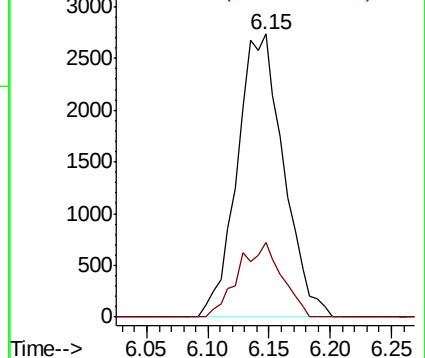
78 100

77 26.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 2.23 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.00 min

Lab File: VX004707.D

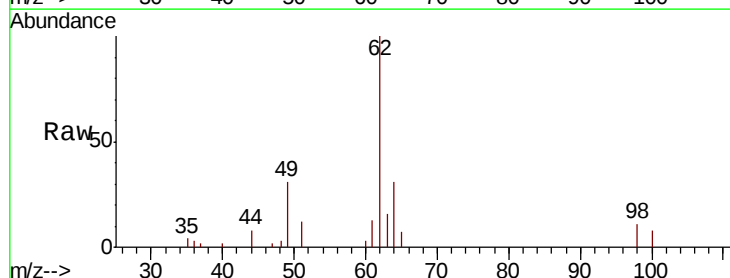
Acq: 19 Sep 2018 15:52

Tgt Ion: 62 Resp: 9081

Ion Ratio Lower Upper

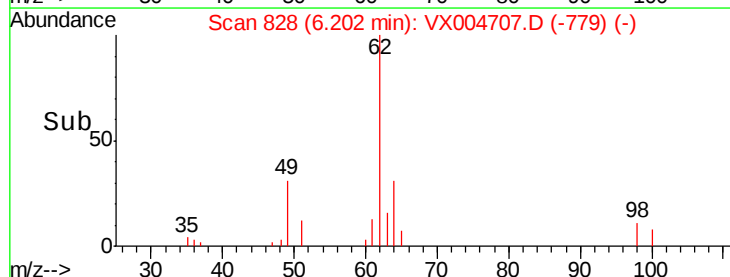
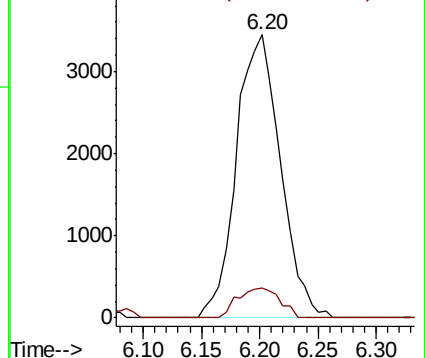
62 100

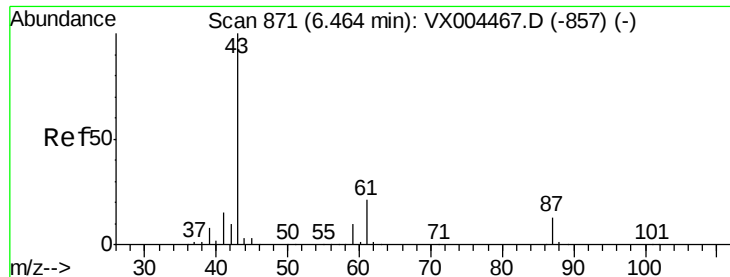
98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.93 ug/l

RT: 6.38 min Scan# 857

Delta R.T. -0.09 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampled :

DUP-1

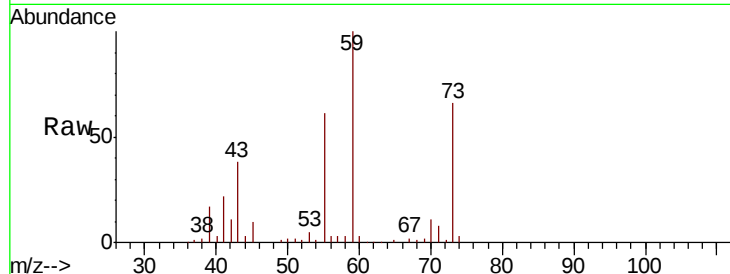
Tot Ion: 43 Resp: 18290

Ion Ratio Lower Upper

43 100

61 1.3 17.0 25.4#

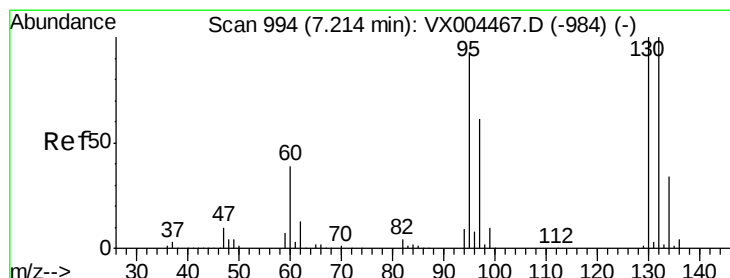
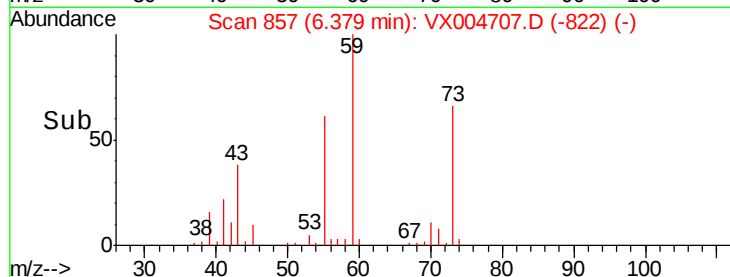
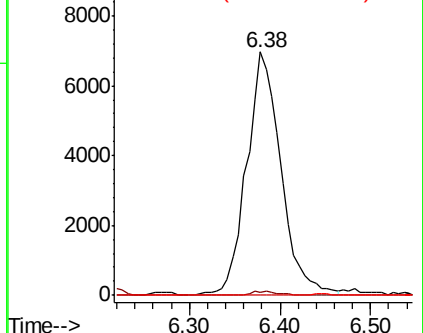
87 0.0 11.4 17.2#



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



#44

Trichloroethene

Concen: 1.00 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX004707.D

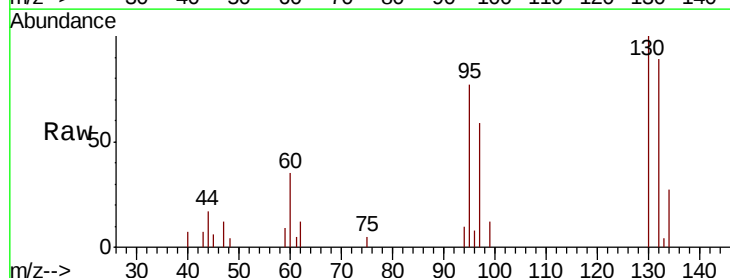
Acq: 19 Sep 2018 15:52

Tgt Ion:130 Resp: 3174

Ion Ratio Lower Upper

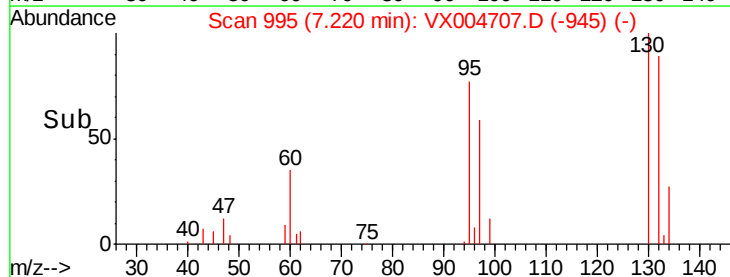
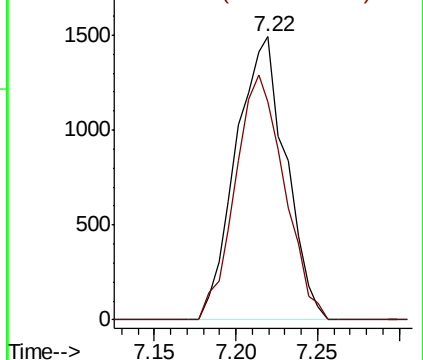
130 100

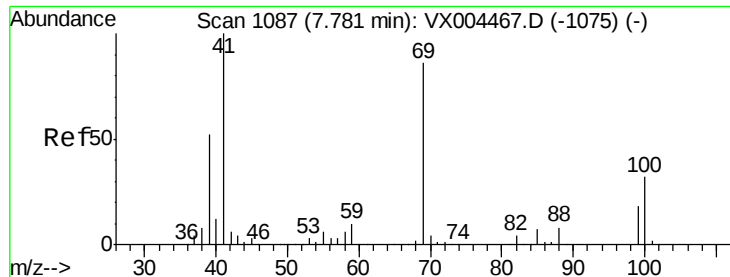
95 77.1 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#48

Methvl methacrylate

Concen: 0.28 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.04 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

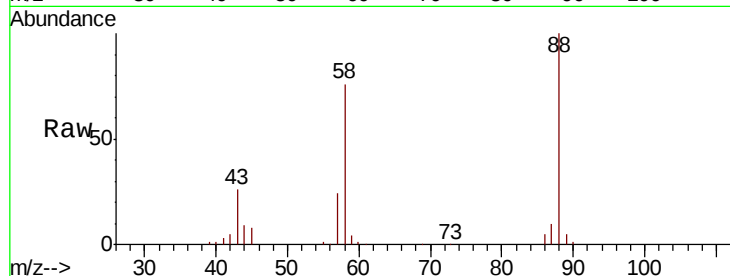
Tot Ion: 41 Resp: 876

Ion Ratio Lower Upper

41 100

69 2.5 70.2 105.4#

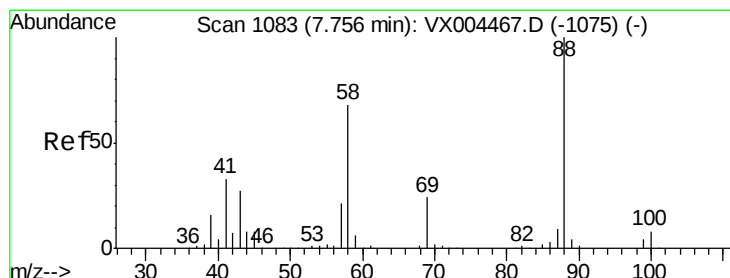
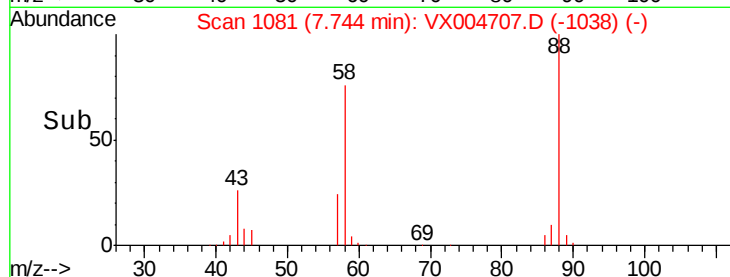
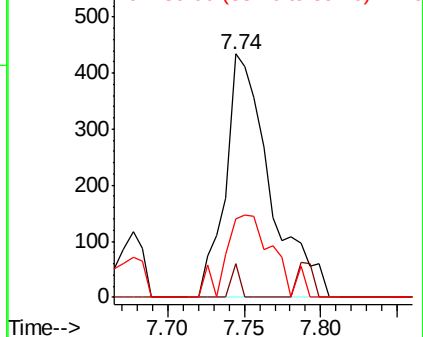
39 36.2 42.7 64.1#



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: 593.04 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

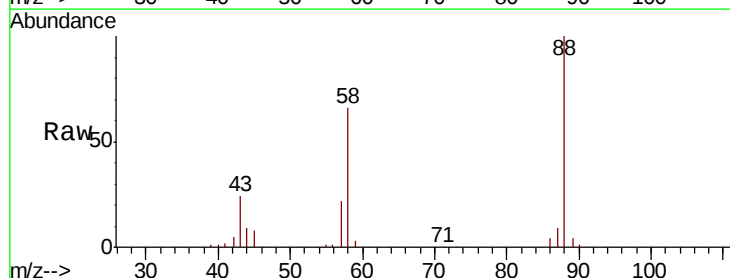
Tgt Ion: 88 Resp: 43363

Ion Ratio Lower Upper

88 100

43 23.8 24.7 37.1#

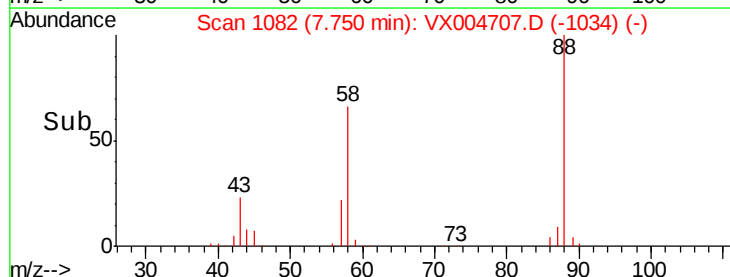
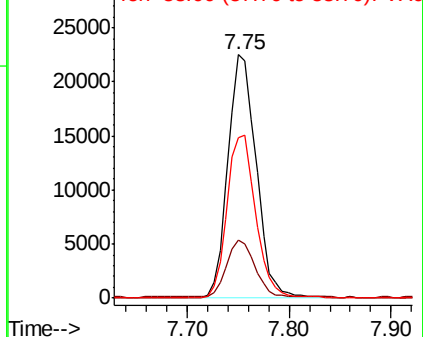
58 67.7 55.3 82.9

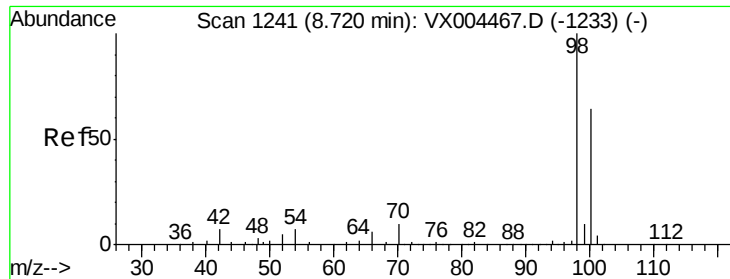


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

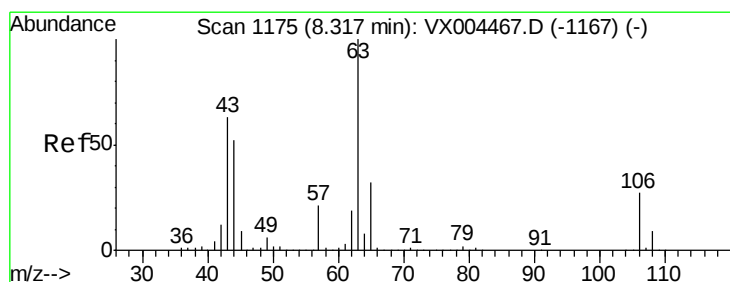
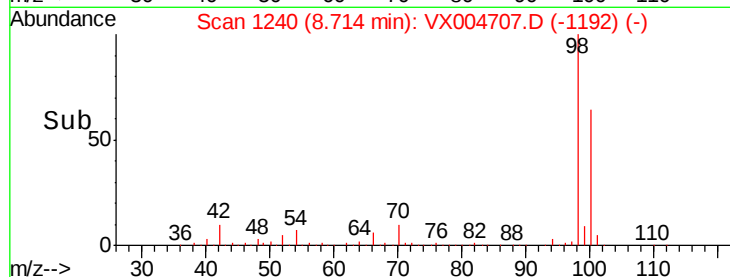
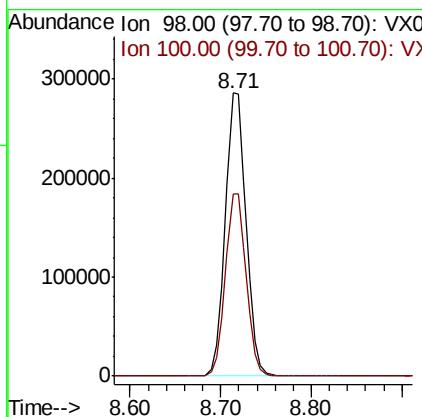
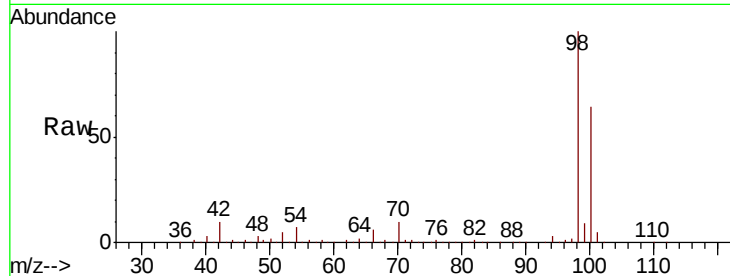




#50
Toluene-d8
Concen: 43.61 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

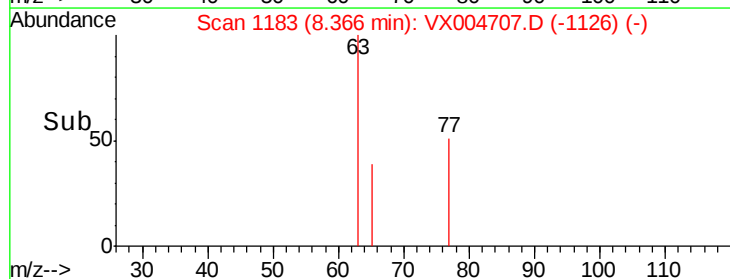
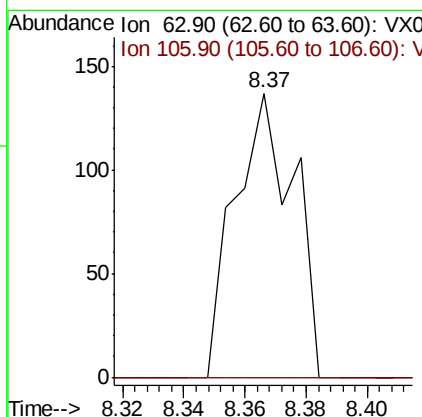
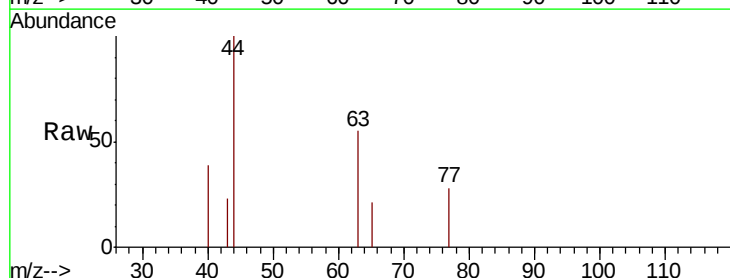
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

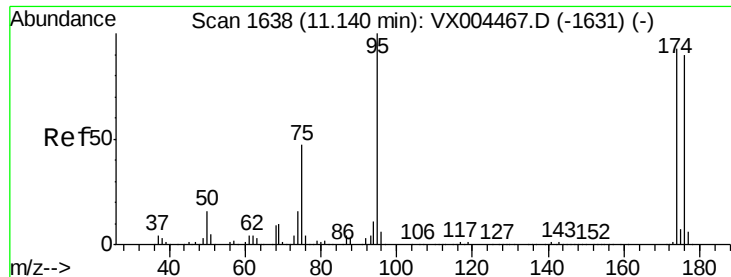
Tot Ion: 98 Resp: 455521
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#58
2-Chloroethyl Vinyl ether
Concen: 7.35 ug/l
RT: 8.37 min Scan# 1183
Delta R.T. 0.05 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

Tgt Ion: 63 Resp: 183
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

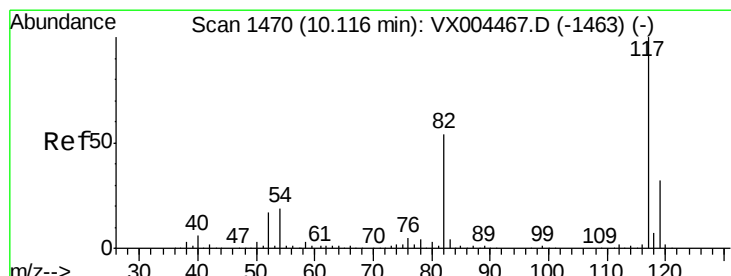
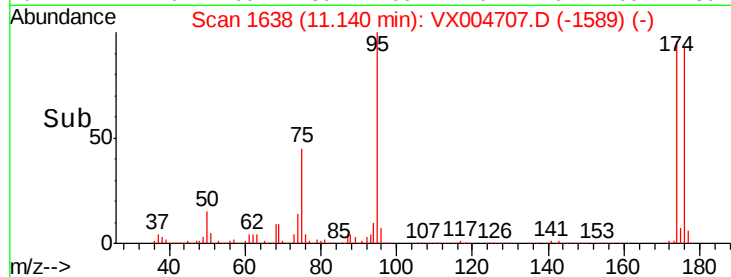
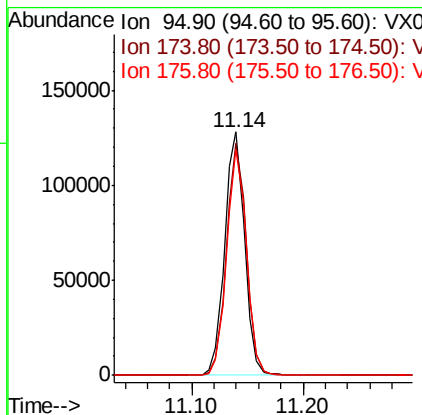
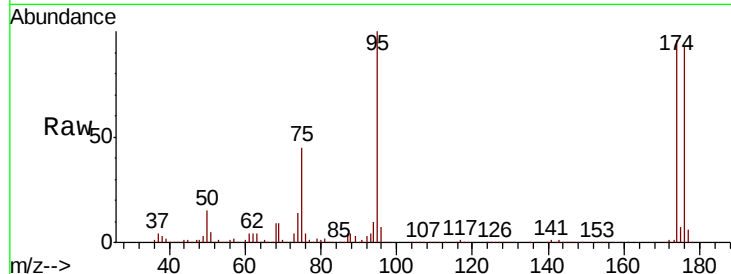




#62
4-Bromofluorobenzene
Concen: 42.52 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

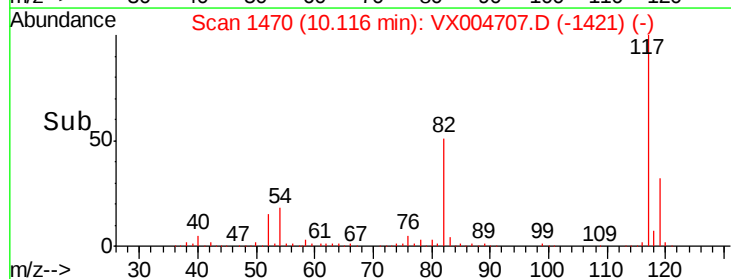
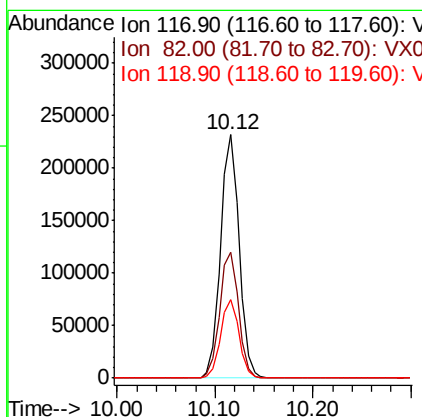
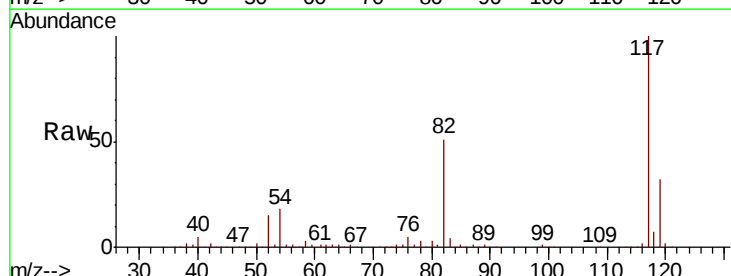
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

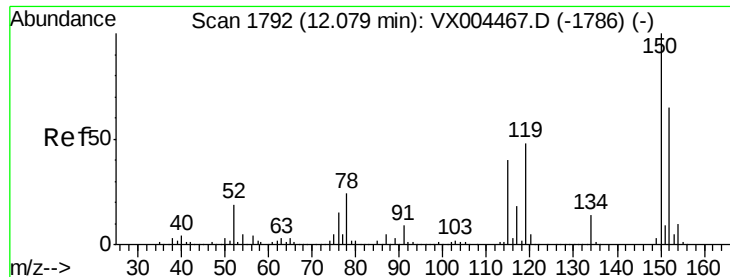
Tot Ion: 95 Resp: 158526
Ion Ratio Lower Upper
95 100
174 95.5 0.0 185.2
176 91.8 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004707.D
Acq: 19 Sep 2018 15:52

Tgt Ion: 117 Resp: 306351
Ion Ratio Lower Upper
117 100
82 51.5 47.8 71.6
119 32.3 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

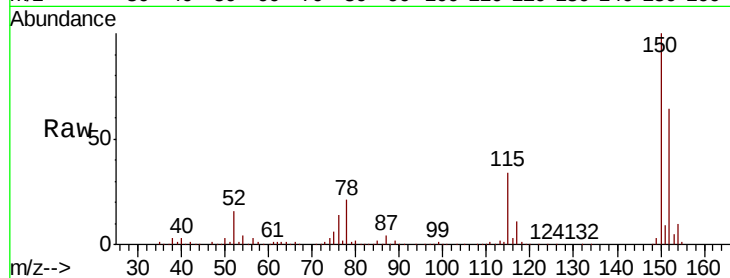
Tot Ion:152 Resp: 166970

Ion Ratio Lower Upper

152 100

115 54.1 39.0 117.0

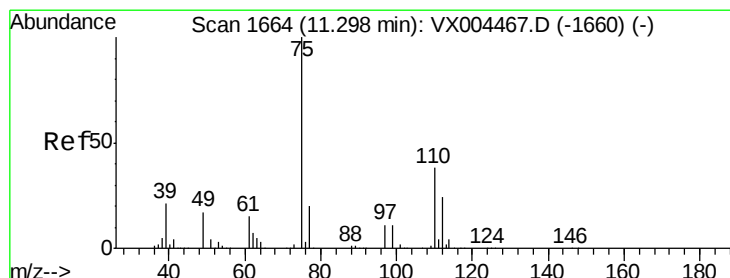
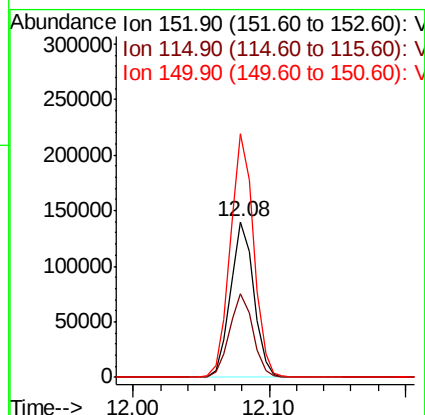
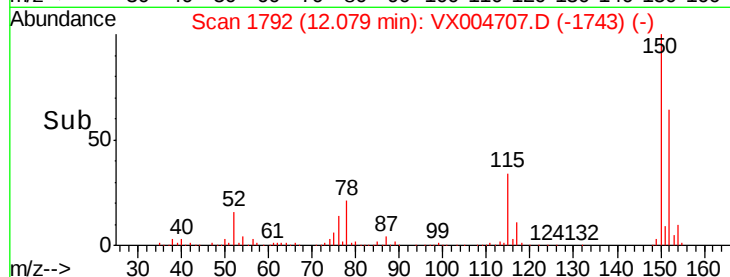
150 156.6 0.0 351.0



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: 21.88 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004707.D

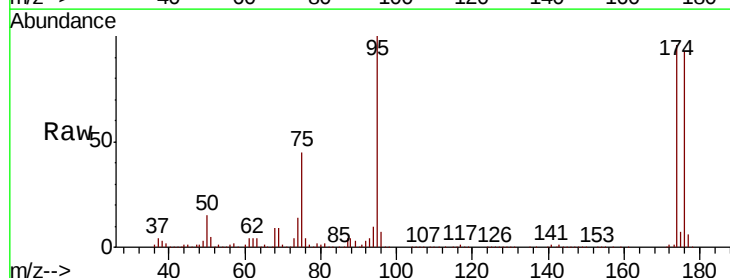
Acq: 19 Sep 2018 15:52

Tgt Ion: 75 Resp: 73510

Ion Ratio Lower Upper

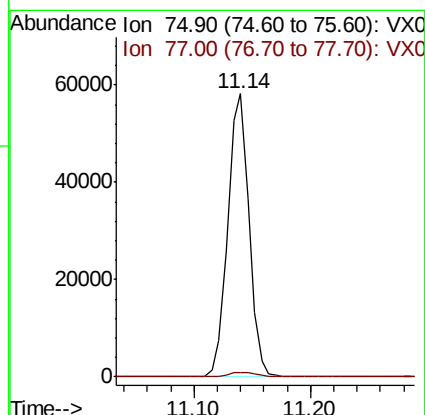
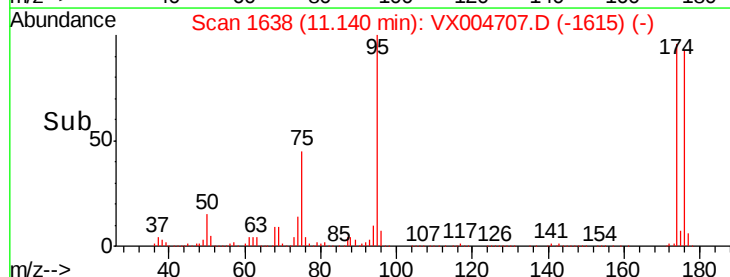
75 100

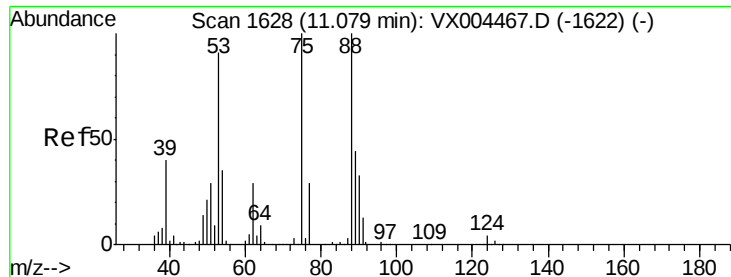
77 2.1 20.2 60.6#



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: 69.75 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004707.D

Acq: 19 Sep 2018 15:52

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

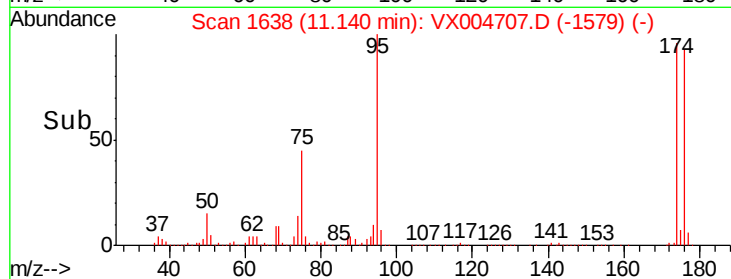
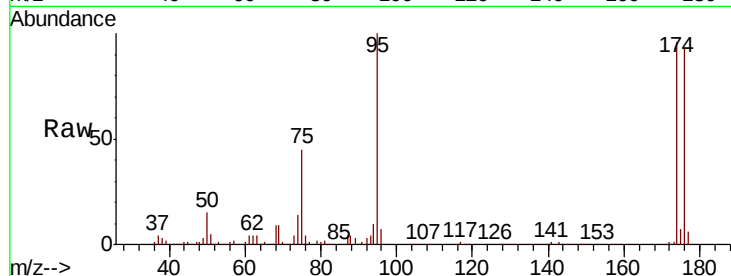
Tot Ion: 75 Resp: 73510

Ion Ratio Lower Upper

75 100

53 2.1 80.1 120.1#

89 9.9 37.2 55.8#



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

