

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005495.D
 Acq On : 23 Oct 2018 03:13
 Operator : JC/MD
 Sample : J5626-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SW

Quant Time: Oct 23 05:08:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138122	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	143511	56.67	ug/l	-0.01
Spiked Amount						
			Recovery	=	113.34%	
35) Dibromofluoromethane	5.50	113	110746	49.23	ug/l	0.00
Spiked Amount						
			Recovery	=	98.46%	
50) Toluene-d8	8.72	98	383774	49.70	ug/l	0.00
Spiked Amount						
			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.14	95	125928	43.41	ug/l	0.00
Spiked Amount						
			Recovery	=	86.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	424	0.868	ug/l #	57
6) Chloroethane	1.70	64	82	0.383	ug/l #	1
10) Methyl Iodide	2.51	142	354	2.641	ug/l #	80
11) Tert butyl alcohol	3.07	59	274	0.384	ug/l #	72
13) Acrolein	2.28	56	91	Below Cal	#	1
14) Allyl chloride	2.62	41	7358	1.677	ug/l #	66
15) Acrylonitrile	3.15	53	383	0.237	ug/l #	32
16) Acetone	2.44	43	1759	1.201	ug/l #	82
20) Methylene Chloride	2.86	84	652	Below Cal	#	70
26) 2,2-Dichloropropane	4.76	77	1229	0.389	ug/l #	52
29) Tetrahydrofuran	5.17	42	393	0.288	ug/l #	66
31) Cyclohexane	5.66	56	4250	1.221	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15509	4.715	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20707	6.265	ug/l #	16
44) Trichloroethene	7.21	130	23	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	62949	23.496	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	62949	71.391	ug/l #	10

(#) = 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

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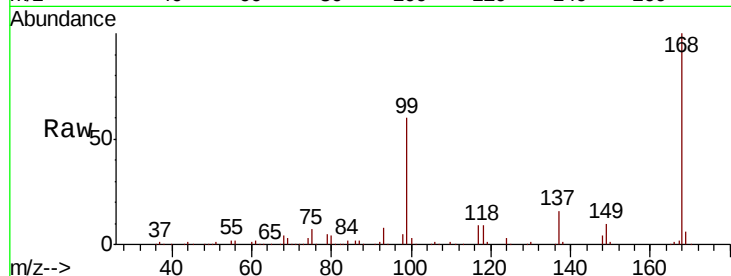
EB-2018.10.19-SW

Tot Ion:168 Resp: 228158

Ion Ratio Lower Upper

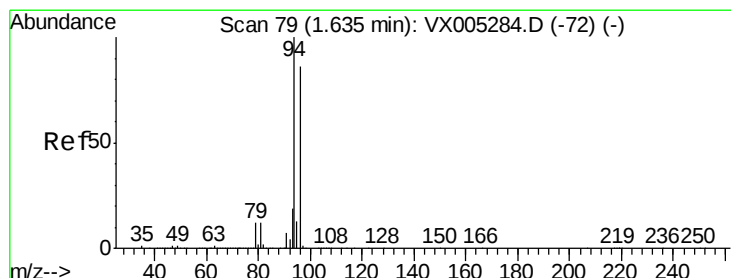
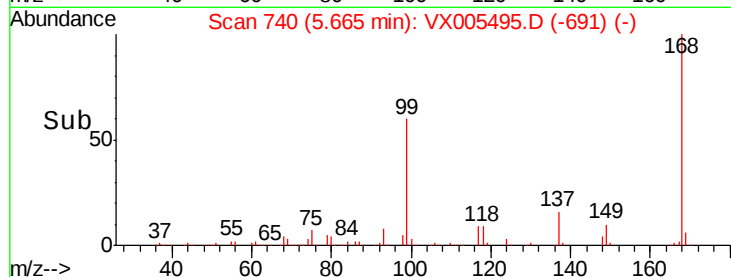
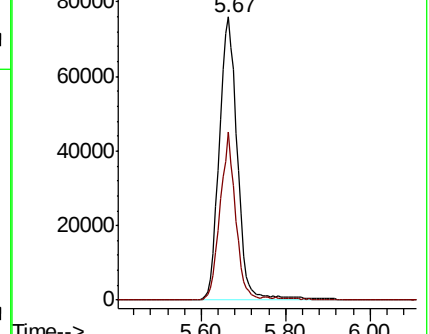
168 100

99 59.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.868 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005495.D

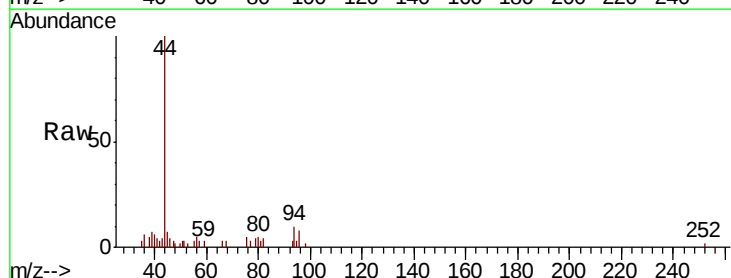
Acq: 23 Oct 2018 03:13

Tgt Ion: 94 Resp: 424

Ion Ratio Lower Upper

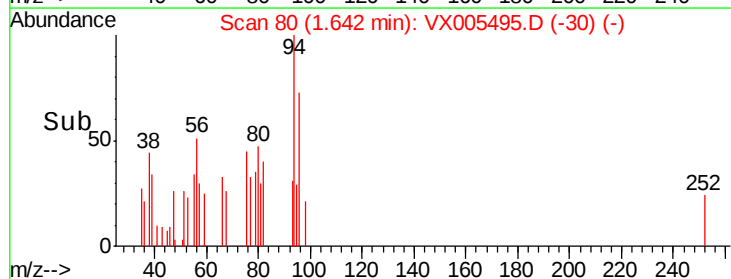
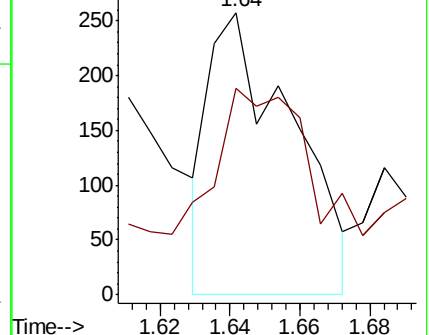
94 100

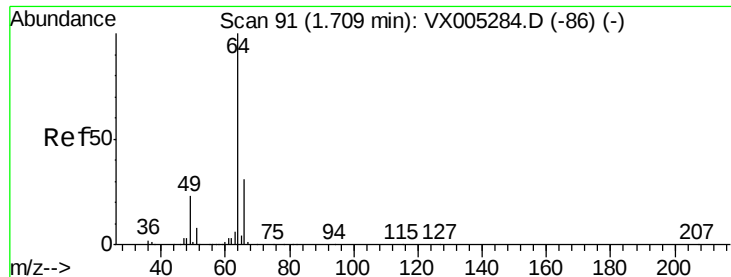
96 52.2 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.383 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Instrument :

MSVOA_X

ClientSampleId :

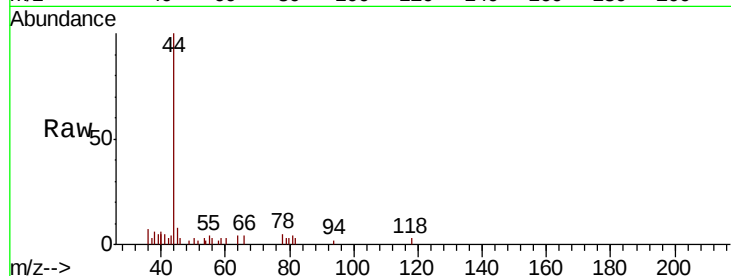
EB-2018.10.19-SW

Tot Ion: 64 Resp: 82

Ion Ratio Lower Upper

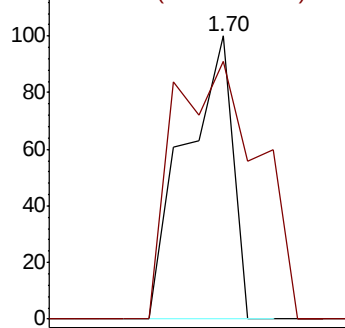
64 100

66 91.0 24.6 36.8#

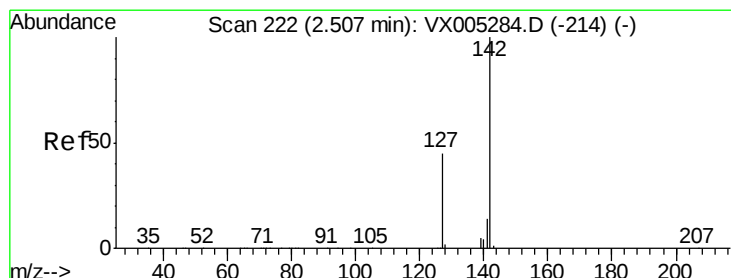
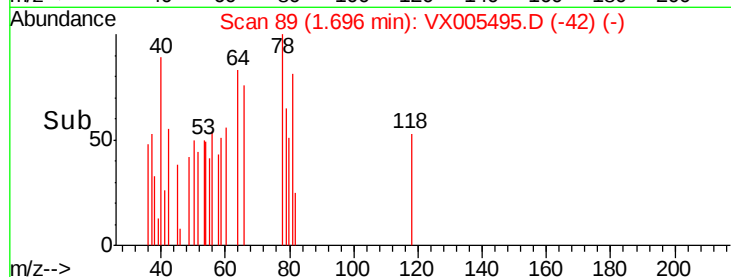


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.641 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

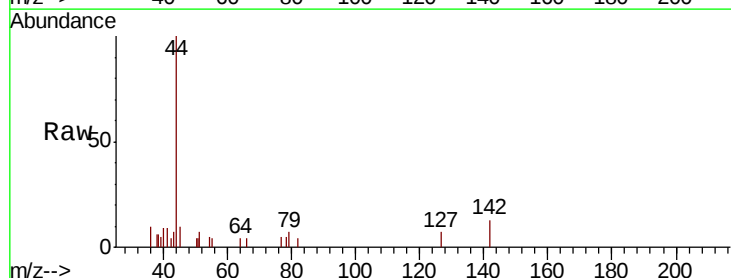
Tgt Ion: 142 Resp: 354

Ion Ratio Lower Upper

142 100

127 33.1 33.8 50.6#

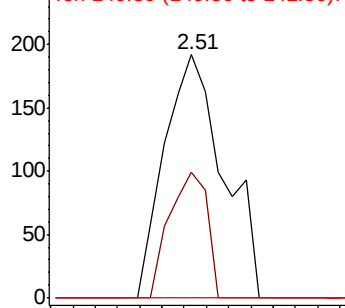
141 0.0 11.4 17.0#



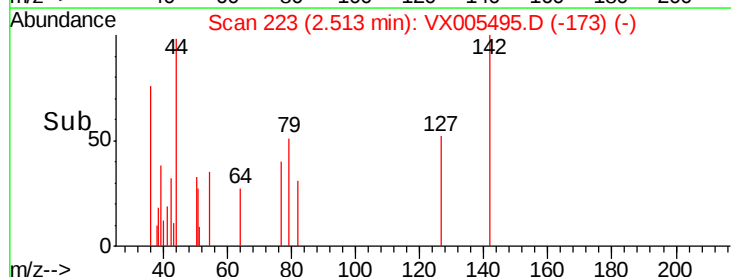
Abundance Ion 141.80 (141.50 to 142.50): V

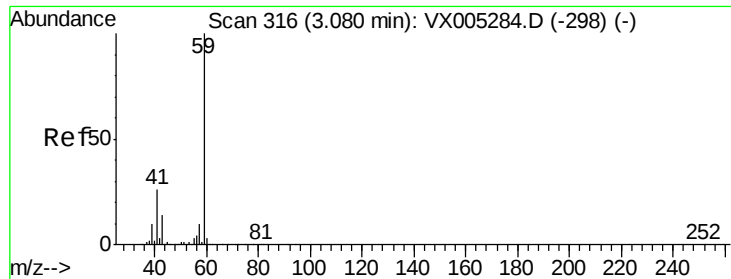
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

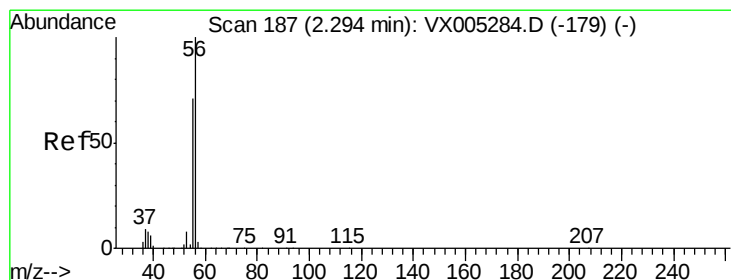
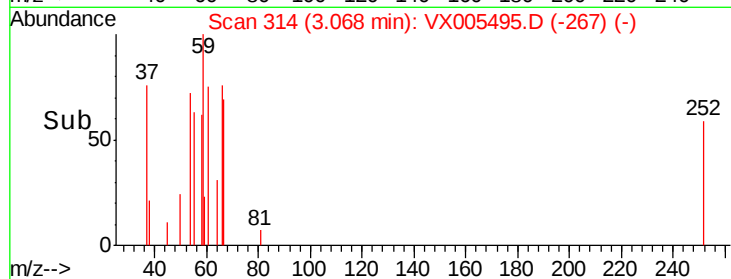
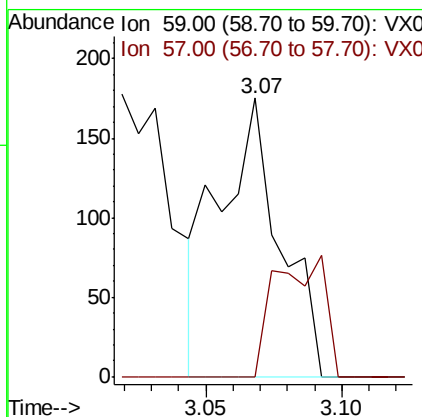
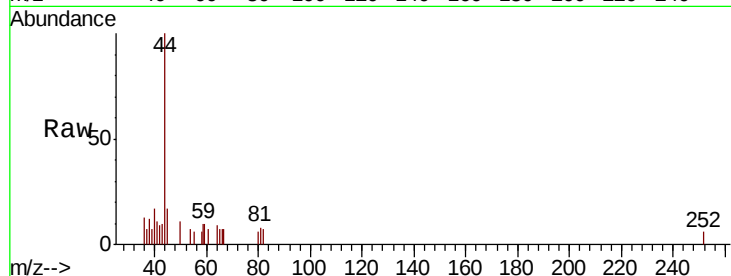




#11
Tert butvl alcohol
Concen: 0.384 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

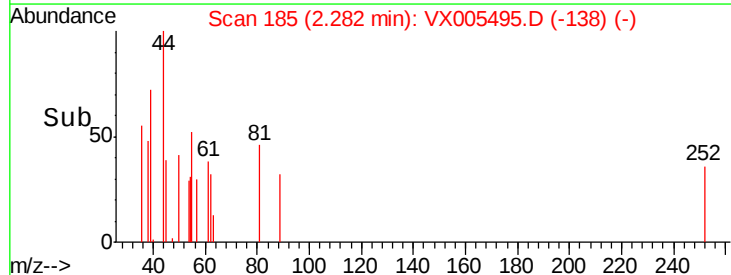
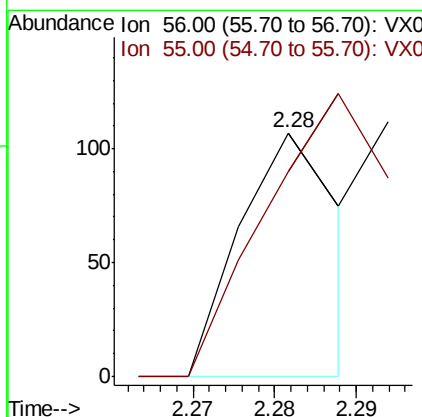
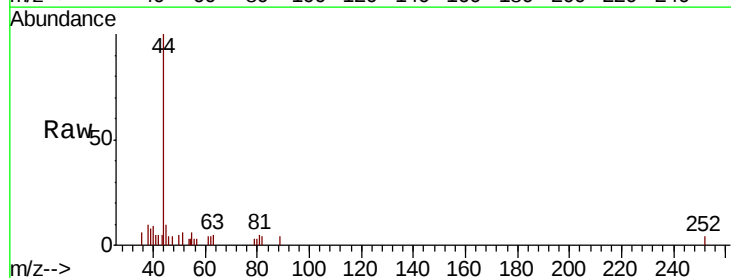
Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.19-SW

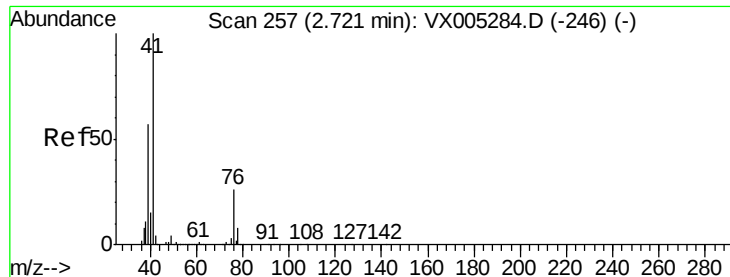
Tot Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 264.8 54.7 82.1#

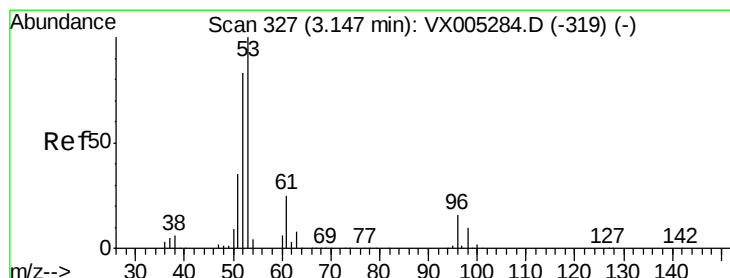
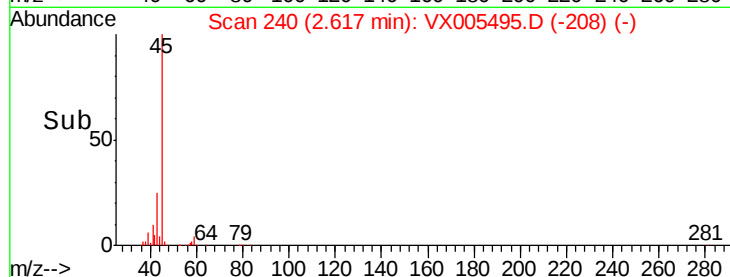
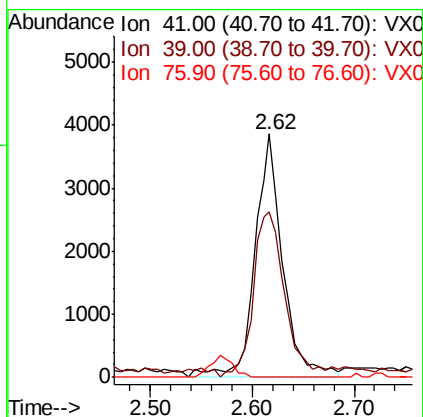
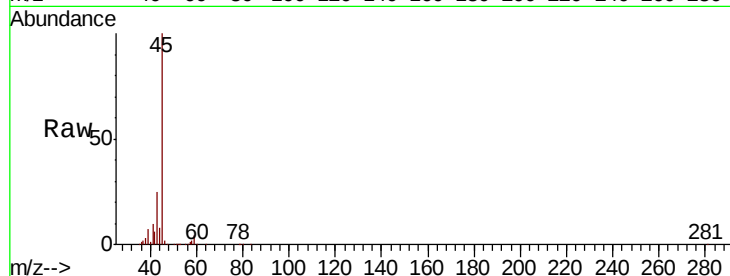




#14
Allvl chloride
Concen: 1.677 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.10 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

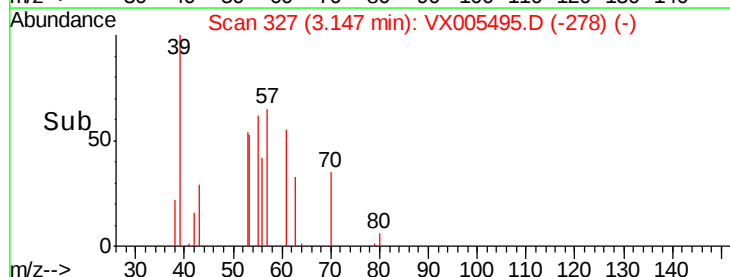
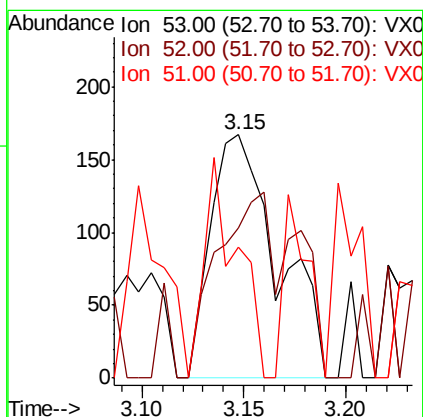
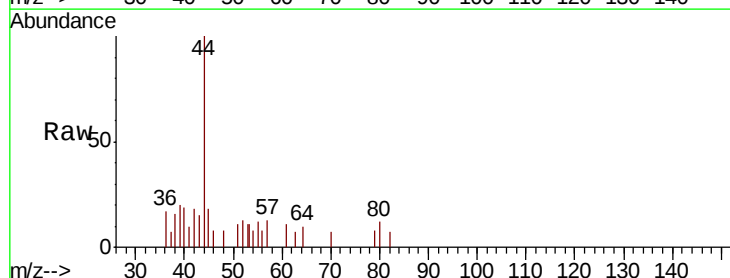
Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.19-SW

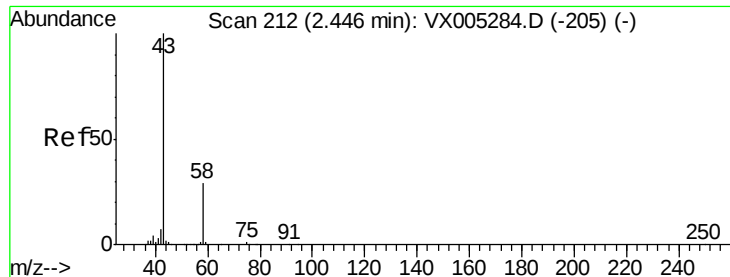
Tot Ion: 41 Resp: 7358
Ion Ratio Lower Upper
41 100
39 76.8 48.9 73.3#
76 0.0 26.7 40.1#



#15
Acrylonitrile
Concen: 0.237 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.00 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

Tgt Ion: 53 Resp: 383
Ion Ratio Lower Upper
53 100
52 0.0 65.2 97.8#
51 43.9 28.2 42.2#





#16

Acetone

Concen: 1.201 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Instrument :

MSVOA_X

ClientSampleId :

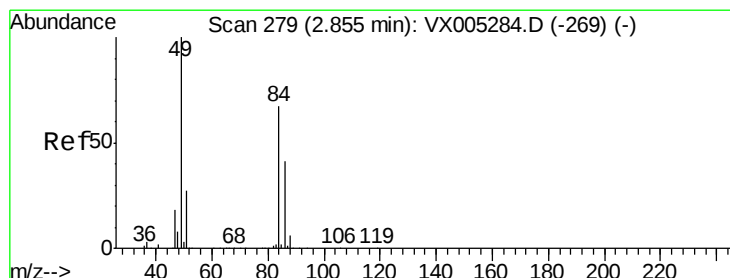
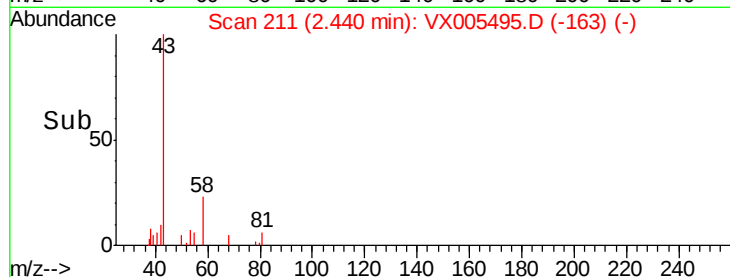
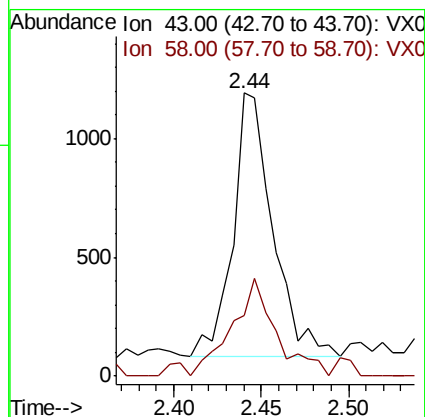
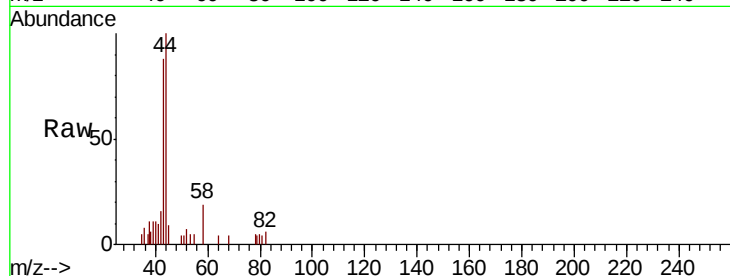
EB-2018.10.19-SW

Tot Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

58 22.8 26.2 39.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Tgt Ion: 84 Resp: 652

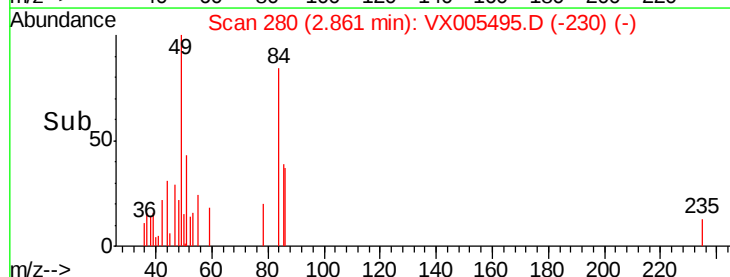
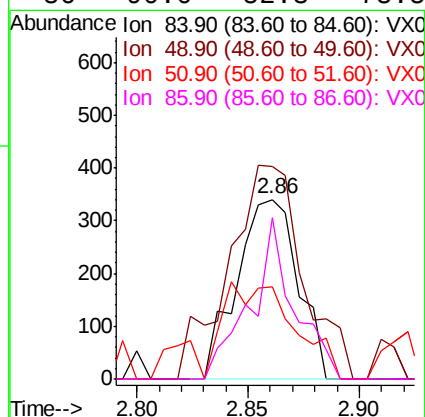
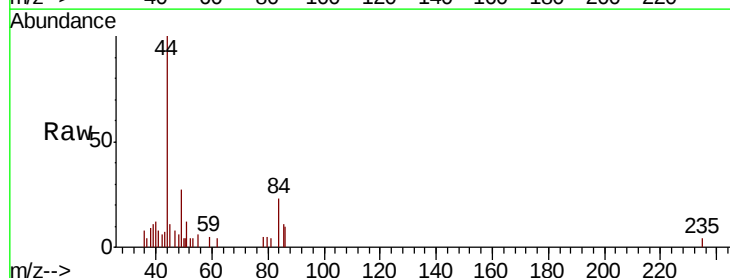
Ion Ratio Lower Upper

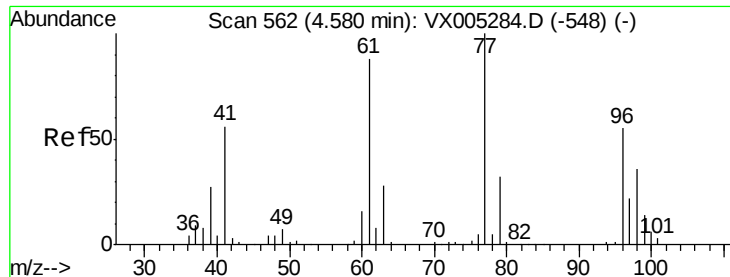
84 100

49 89.7 101.2 151.8#

51 51.0 29.5 44.3#

86 90.0 52.3 78.5#

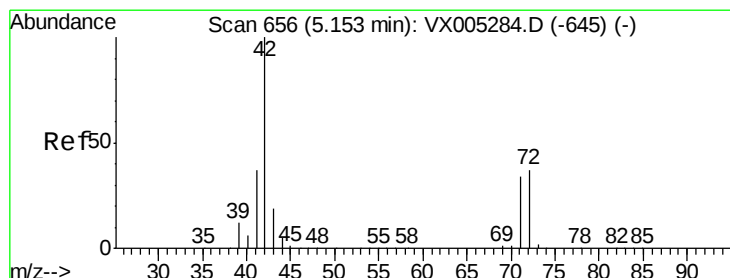
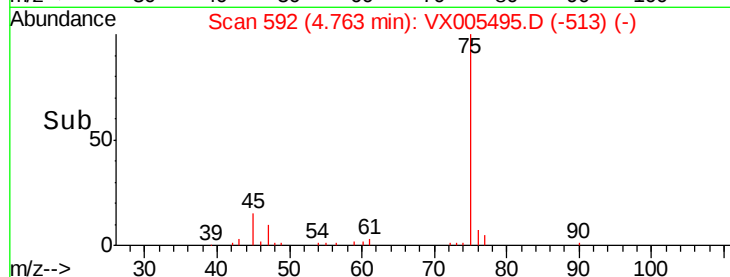
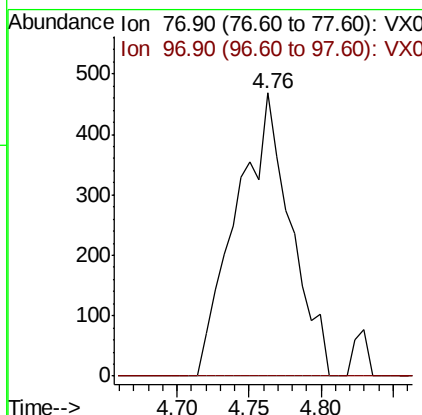
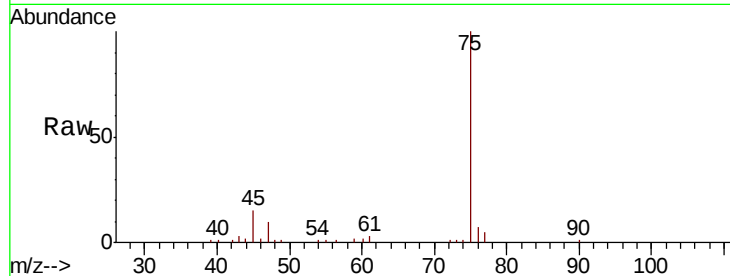




#26
 2,2-Dichloropropane
 Concen: 0.389 ug/l
 RT: 4.76 min Scan# 592
 Delta R.T. 0.18 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

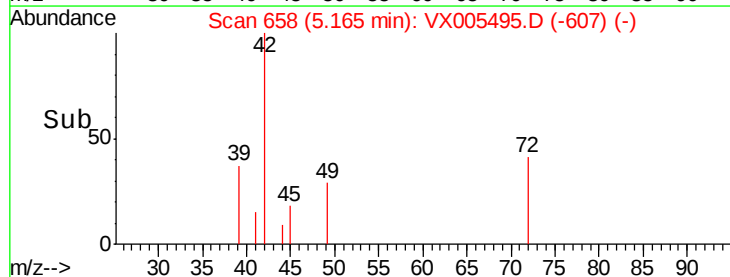
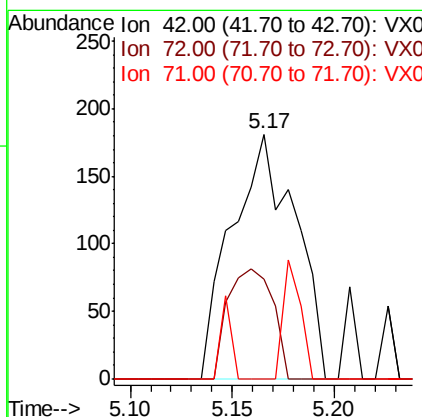
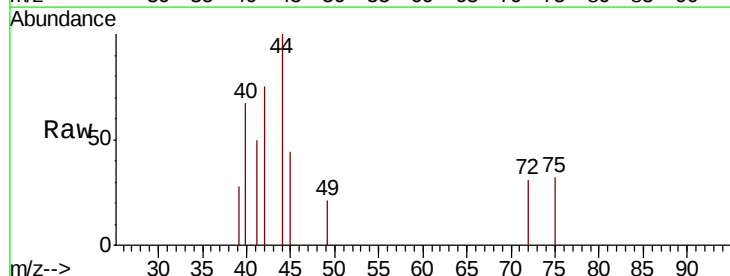
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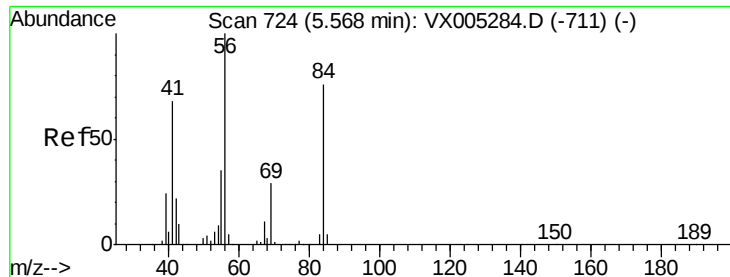
Tot Ion: 77 Resp: 1229
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 0.288 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Tgt Ion: 42 Resp: 393
 Ion Ratio Lower Upper
 42 100
 72 31.8 37.4 56.0#
 71 13.2 34.5 51.7#

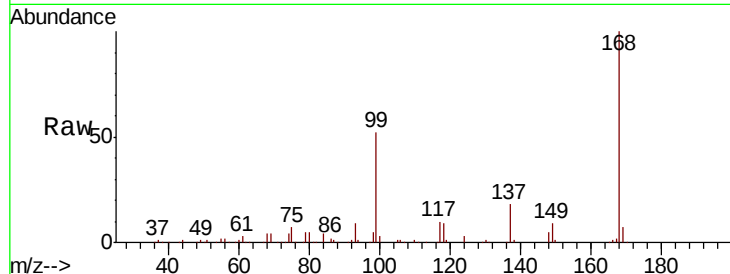




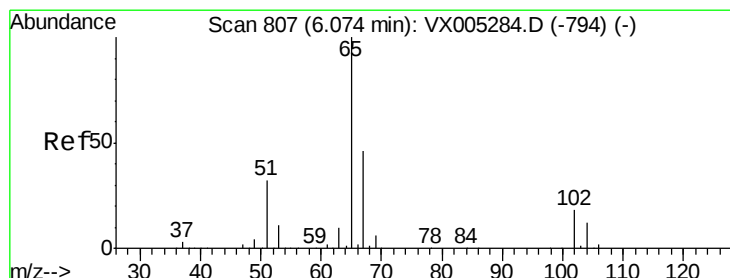
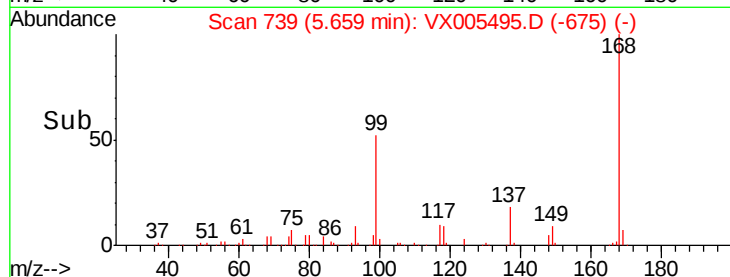
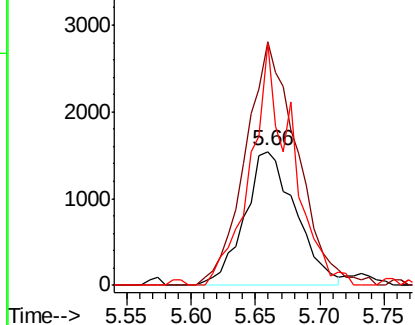
#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

Instrument :
MSVOA_X
ClientSampleId :
EB-2018.10.19-SW

Tot Ion: 56 Resp: 4250
Ion Ratio Lower Upper
56 100
69 181.6 25.4 38.2#
84 180.8 71.4 107.2#

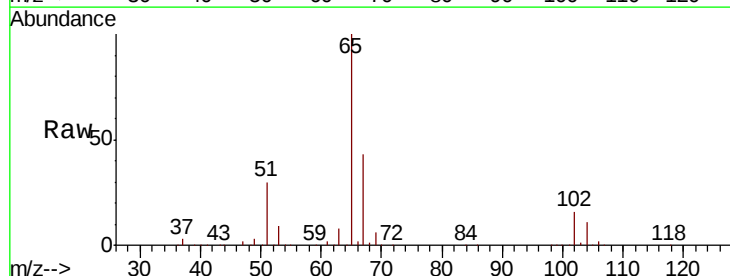


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

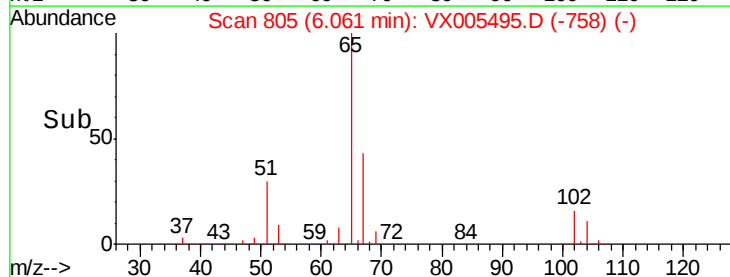
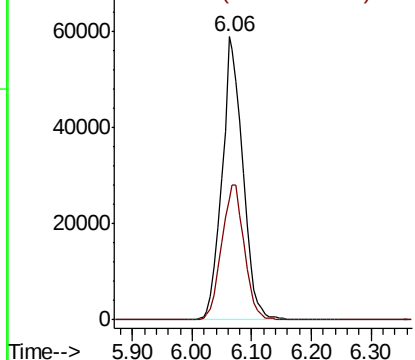


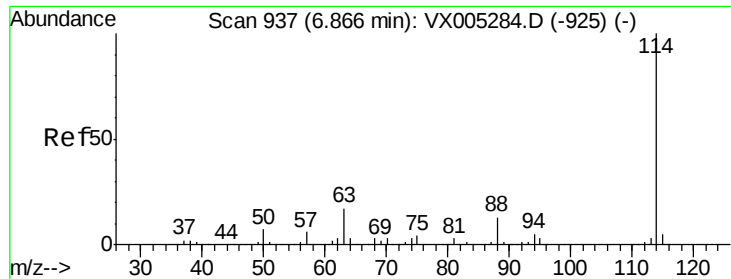
#33
1,2-Dichloroethane-d4
Concen: 56.674 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.01 min
Lab File: VX005495.D
Acq: 23 Oct 2018 03:13

Tgt Ion: 65 Resp: 143511
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.8



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

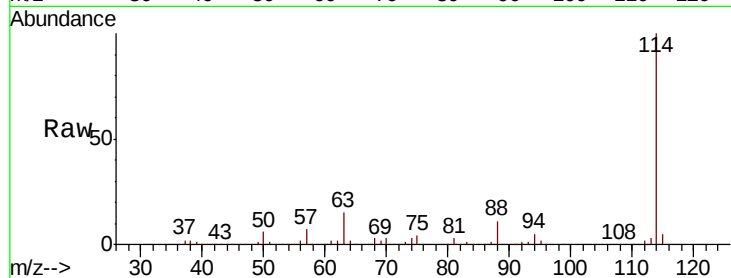




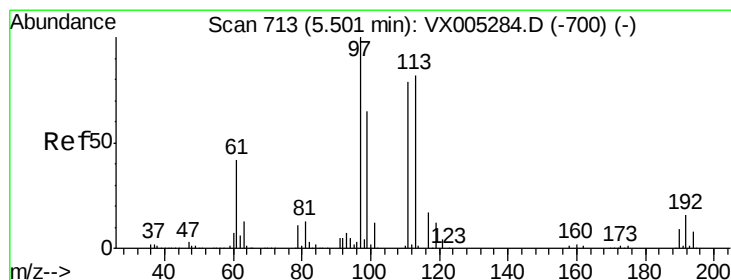
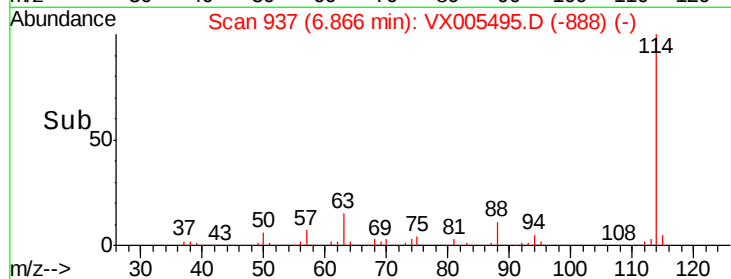
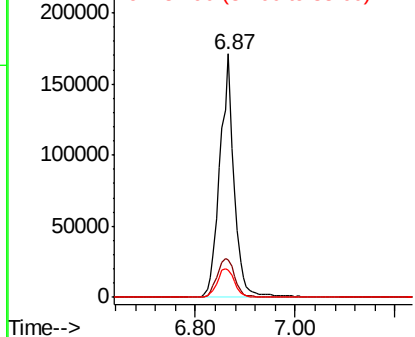
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SW

Tot Ion:114 Resp: 339621
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 39.0
 88 10.9 0.0 30.4

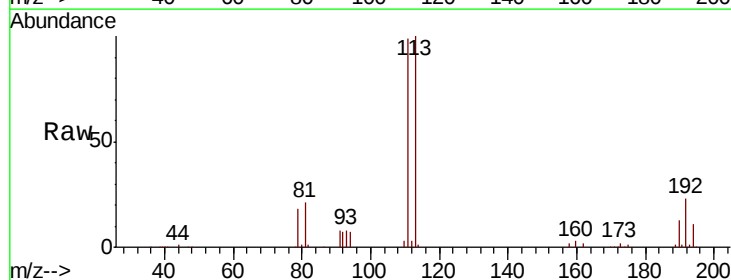


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

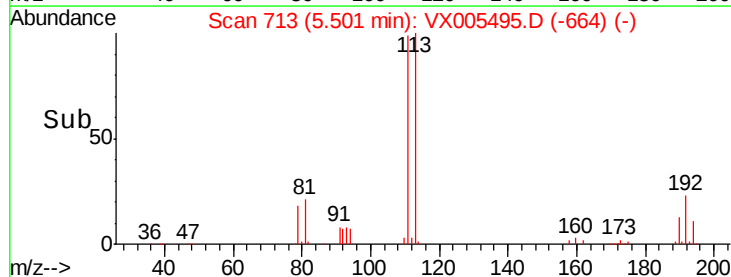
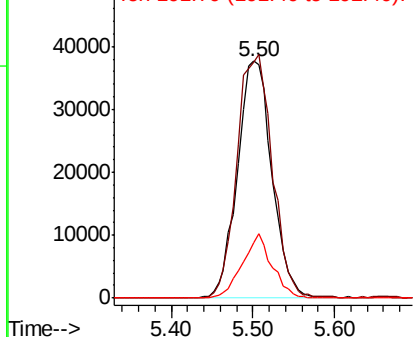


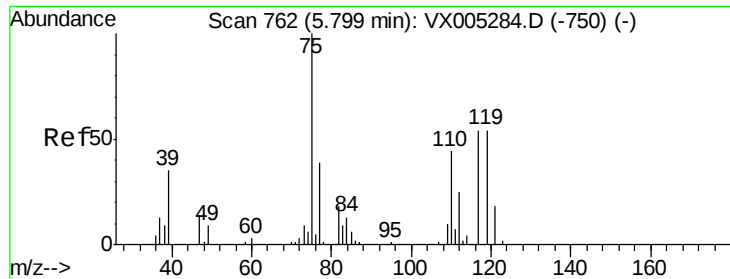
#35
 Dibromofluoromethane
 Concen: 49.234 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Tgt Ion:113 Resp: 110746
 Ion Ratio Lower Upper
 113 100
 111 105.2 82.4 123.6
 192 23.4 19.4 29.2



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

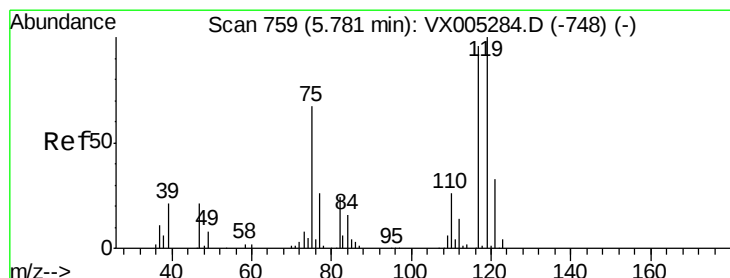
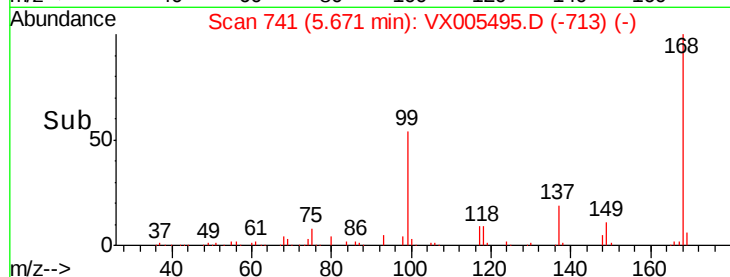
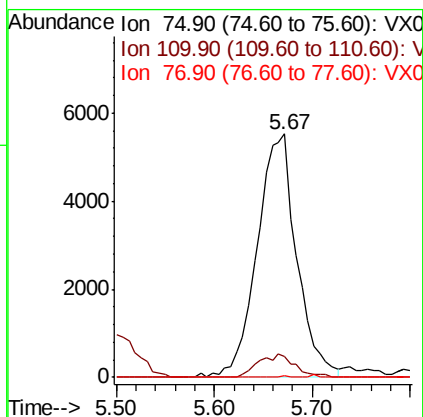
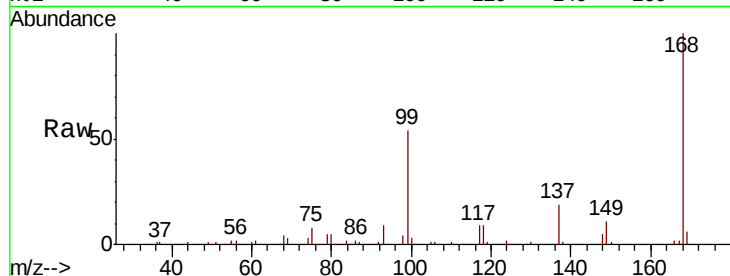




#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

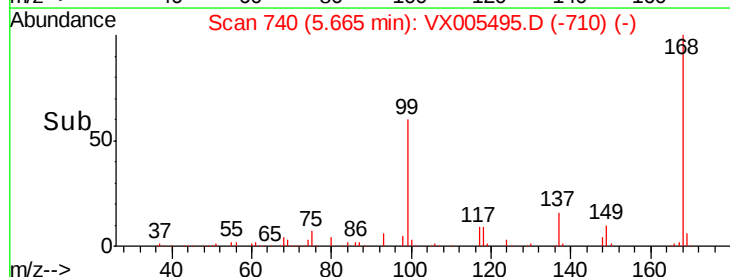
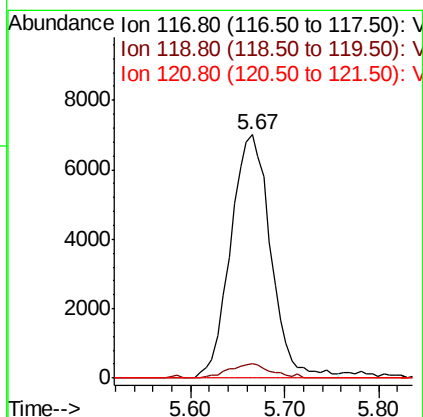
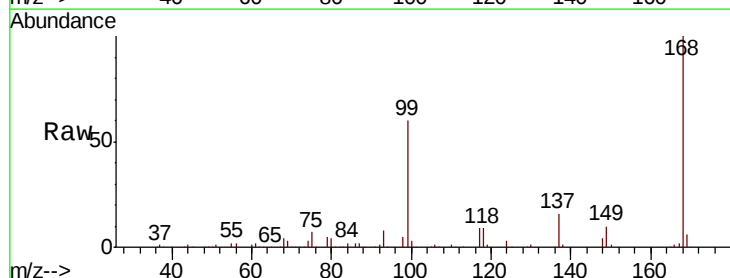
Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SW

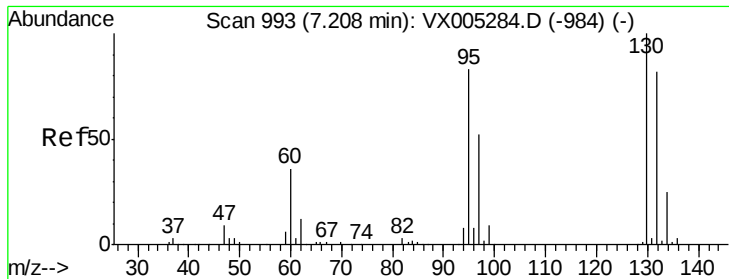
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.265 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.8	118.2#
121	0.0	24.9	37.3#

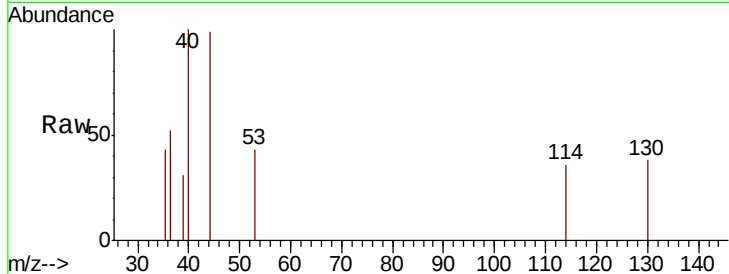




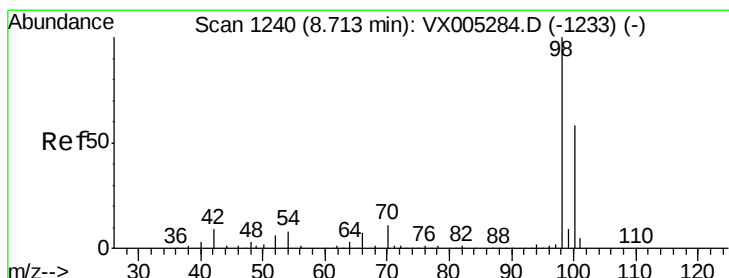
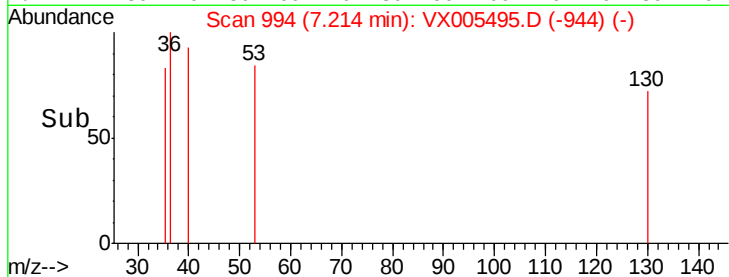
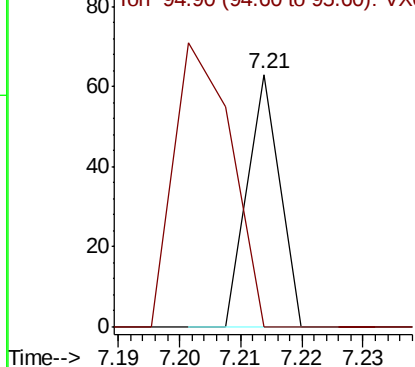
#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2018.10.19-SW

Tot Ion:130 Resp: 23
 Ion Ratio Lower Upper
 130 100
 95 0.0 0.0 181.6

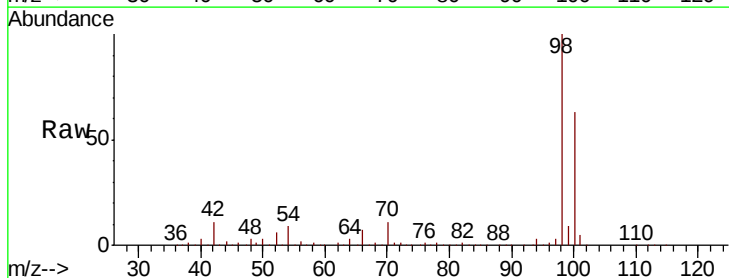


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

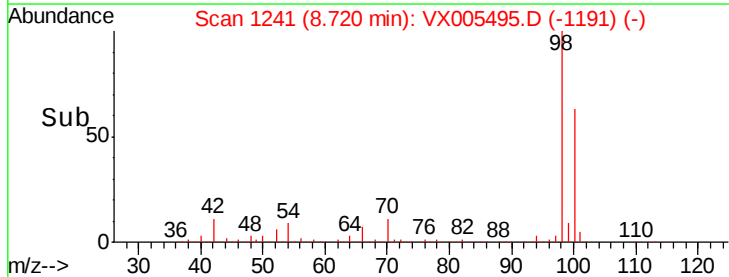
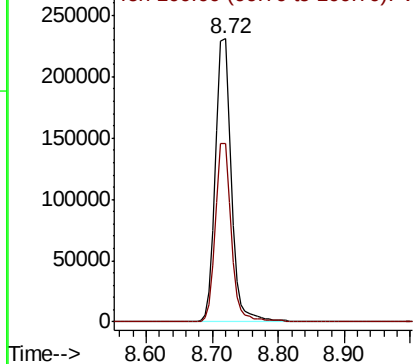


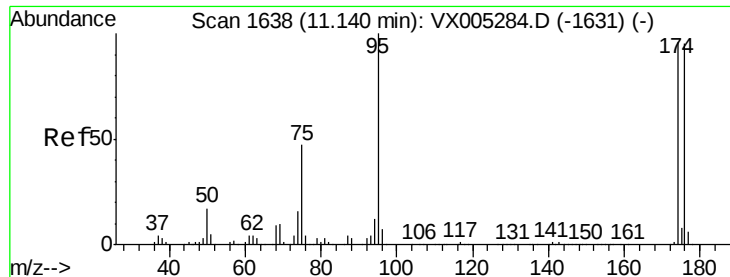
#50
 Toluene-d8
 Concen: 49.697 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX005495.D
 Acq: 23 Oct 2018 03:13

Tgt Ion: 98 Resp: 383774
 Ion Ratio Lower Upper
 98 100
 100 62.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.408 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.19-SW

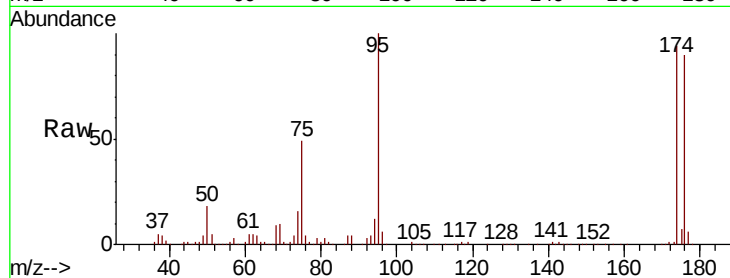
Tot Ion: 95 Resp: 125928

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

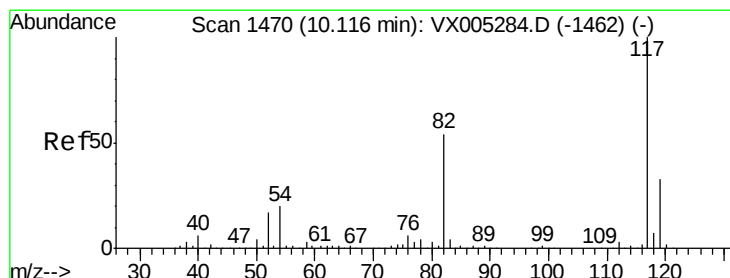
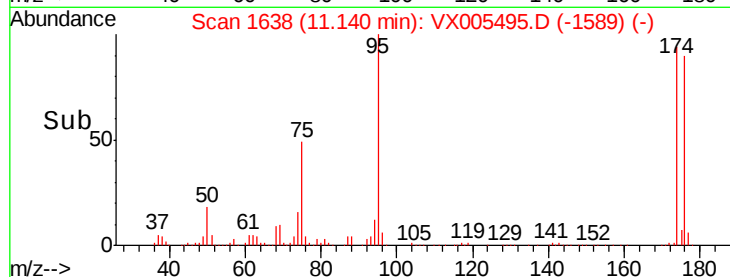
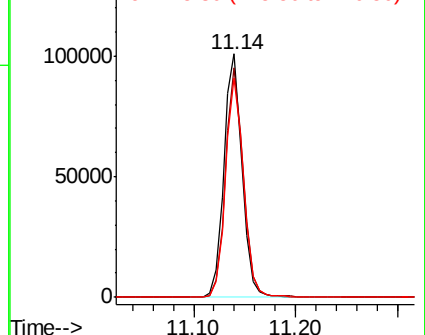
176 89.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

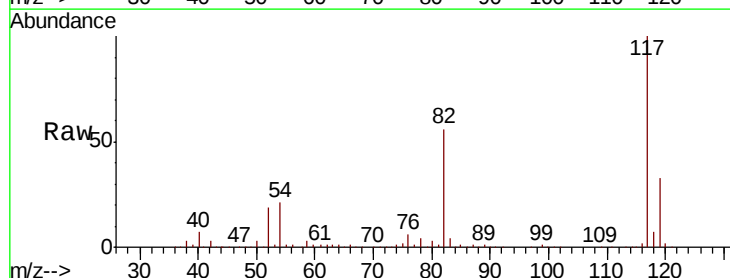
Tgt Ion: 117 Resp: 286804

Ion Ratio Lower Upper

117 100

82 55.6 47.8 71.6

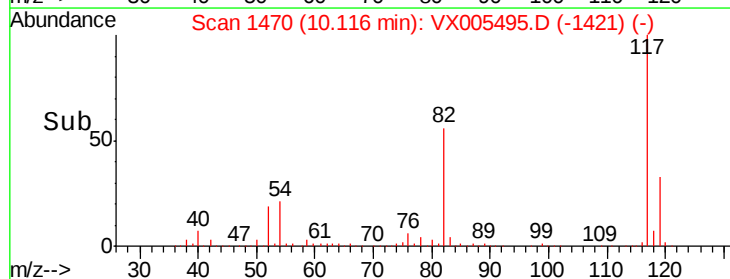
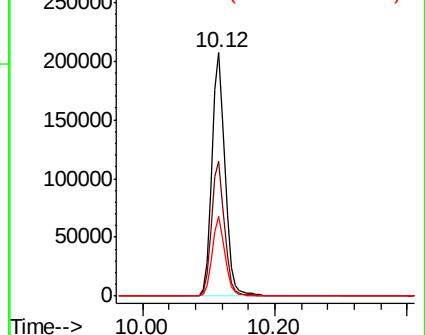
119 32.9 29.3 43.9

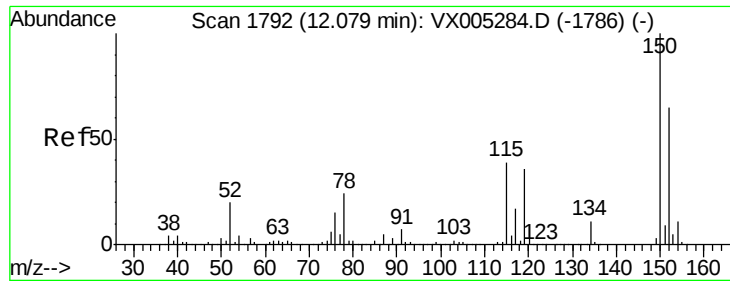


Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.19-SW

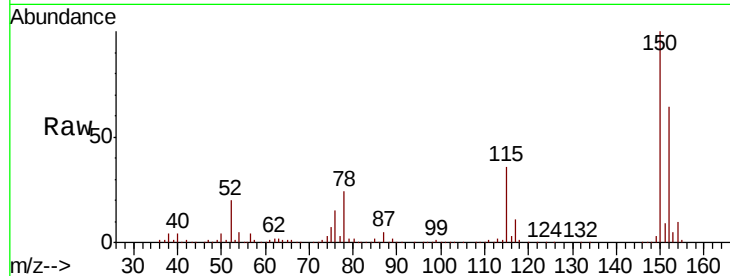
Tot Ion:152 Resp: 138122

Ion Ratio Lower Upper

152 100

115 56.0 39.0 117.0

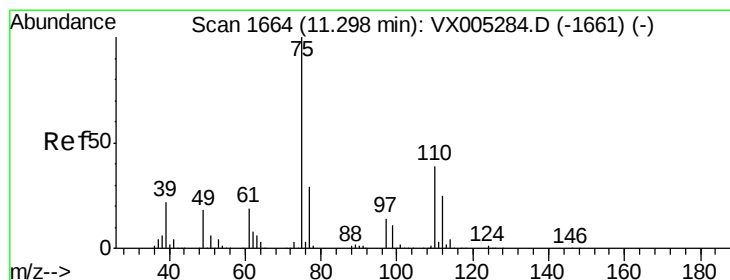
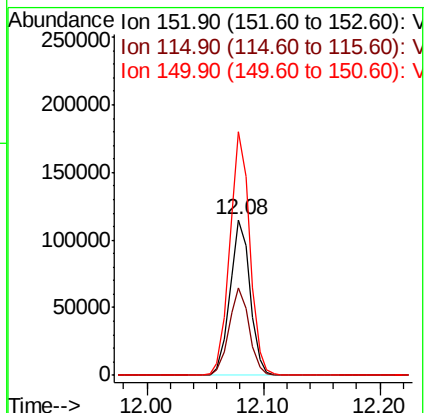
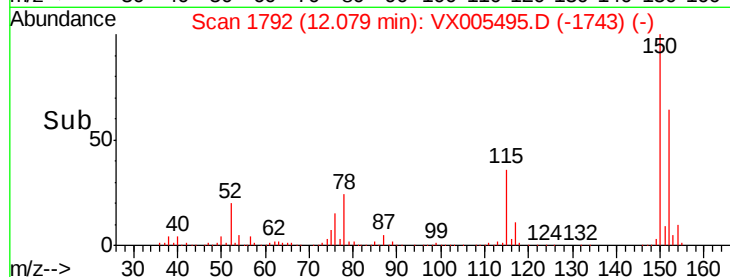
150 156.0 0.0 351.0



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: 23.496 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005495.D

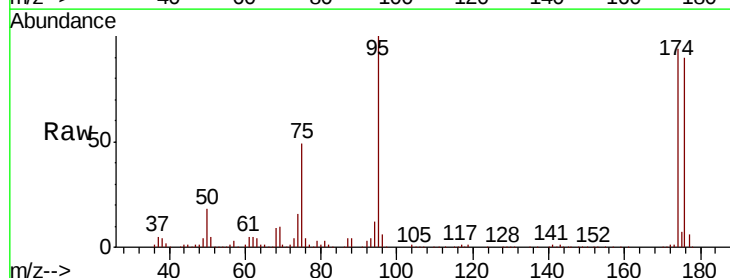
Acq: 23 Oct 2018 03:13

Tgt Ion: 75 Resp: 62949

Ion Ratio Lower Upper

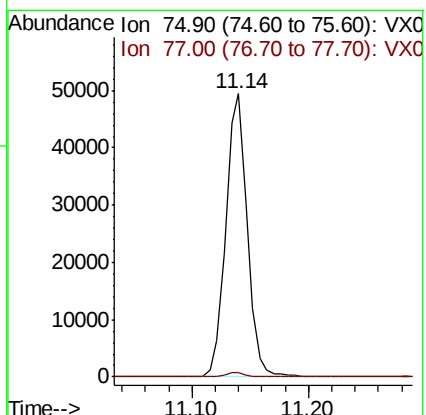
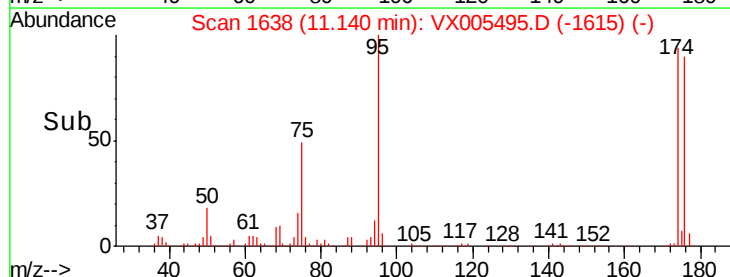
75 100

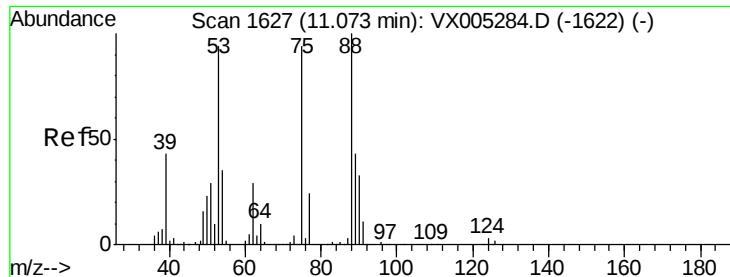
77 1.4 20.2 60.6#



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: 71.391 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005495.D

Acq: 23 Oct 2018 03:13

Instrument :

MSVOA_X

ClientSampleId :

EB-2018.10.19-SW

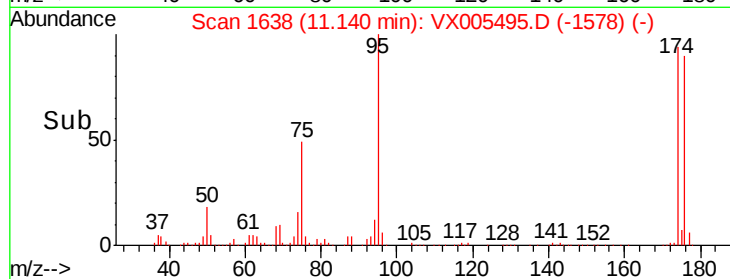
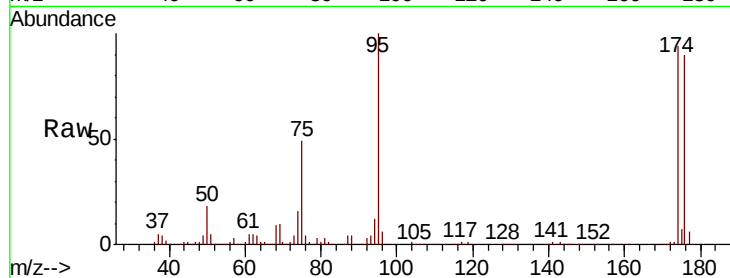
Tot Ion: 75 Resp: 62949

Ion Ratio Lower Upper

75 100

53 0.4 80.1 120.1#

89 0.0 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

