

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
 Data File : VX004782.D
 Acq On : 27 Sep 2018 18:50
 Operator : JC/MD
 Sample : J5048-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

Quant Time: Sep 28 05:52:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	223061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169875	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	5.50	113	142628	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	
50) Toluene-d8	8.72	98	549983	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	11.14	95	215140	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3998	1.138	ug/l	99
5) Bromomethane	1.64	94	499	0.239	ug/l #	70
6) Chloroethane	1.71	64	1126	Below Cal	#	86
9) 1,1,2-Trichlorotrifluoroet	2.38	101	11343	4.577	ug/l	97
11) Tert butyl alcohol	3.02	59	8012	8.856	ug/l #	84
12) 1,1-Dichloroethene	2.37	96	2566	1.046	ug/l #	68
13) Acrolein	2.30	56	2046	3.179	ug/l	92
14) Allyl chloride	2.65	41	1015925	189.718	ug/l #	64
16) Acetone	2.45	43	427738	226.436	ug/l	95
18) Methyl Acetate	2.65	43	2432220	508.195	ug/l #	51
20) Methylene Chloride	2.85	84	1773	Below Cal		91
21) trans-1,2-Dichloroethene	3.17	96	861	0.320	ug/l	86
22) Diisopropyl ether	4.08	45	278830	30.922	ug/l #	1
23) Vinyl Acetate	4.08	43	633566	76.759	ug/l #	71
24) 1,1-Dichloroethane	3.69	63	18233	3.390	ug/l	97
25) 2-Butanone	4.71	43	6451	2.317	ug/l	90
27) cis-1,2-Dichloroethene	4.60	96	66987	22.319	ug/l	97
29) Tetrahydrofuran	5.18	42	3283	1.897	ug/l #	82
30) Chloroform	5.23	83	3266	0.642	ug/l	86
31) Cyclohexane	5.67	56	4450	1.081	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	27532	6.632	ug/l	99
36) 1,1-Dichloropropene	5.67	75	15291	3.549	ug/l #	51
37) Ethyl Acetate	4.86	43	189829	33.191	ug/l	98
38) Carbon Tetrachloride	5.66	117	20077	4.433	ug/l #	15
41) Methacrylonitrile	5.17	41	2802	0.883	ug/l #	39
43) Isopropyl Acetate	6.27	43	506136	61.313	ug/l #	59
44) Trichloroethene	7.21	130	72060	21.731	ug/l	93
48) Methyl methacrylate	7.77	41	4837	1.291	ug/l #	27
49) 1,4-Dioxane	7.79	88	337	3.620	ug/l #	1
51) 4-Methyl-2-Pentanone	8.65	43	63859	12.286	ug/l	94
52) Toluene	8.79	92	4313	0.582	ug/l	99
54) cis-1,3-Dichloropropene	8.62	75	2267	0.492	ug/l #	55
56) Ethyl methacrylate	9.11	69	3046	3.407	ug/l #	26
57) 1,3-Dichloropropane	9.55	76	1211	0.224	ug/l #	43

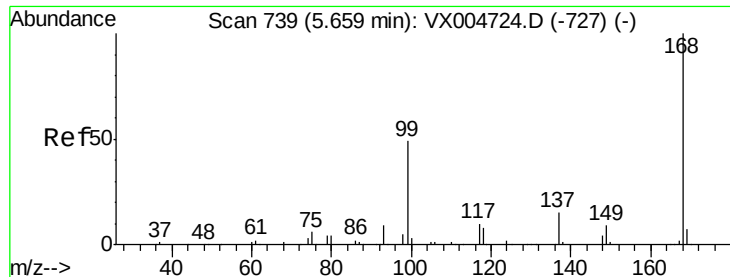
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092718\
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 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
58) 2-Chloroethyl Vinyl ether	8.51	63	49	14.259	ug/l #	45
59) 2-Hexanone	9.55	43	14032	3.240	ug/l #	49
60) Dibromochloromethane	9.34	129	51166	15.758	ug/l #	11
64) Tetrachloroethene	9.34	164	57879	15.723	ug/l	97
68) m/p-Xylenes	10.36	106	2335	0.392	ug/l	93
70) Styrene	10.72	104	741	2.210	ug/l #	1
74) N-amyl acetate	10.69	43	84587	12.311	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	108041	21.610	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	319	Below Cal		86
81) trans-1,4-Dichloro-2-buten	11.14	75	108041	58.583	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.80	105	1248	Below Cal		81
90) Hexachloroethane	12.66	117	38315	18.014	ug/l #	3
95) Naphthalene	13.83	128	6556	1.068	ug/l	96

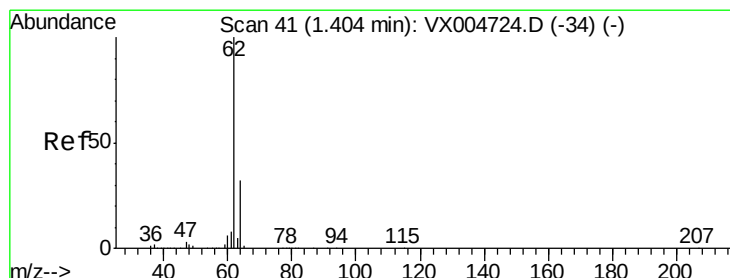
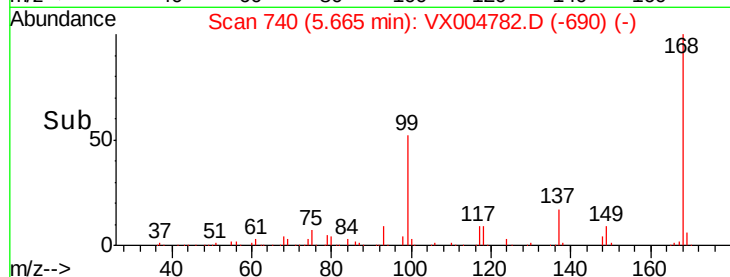
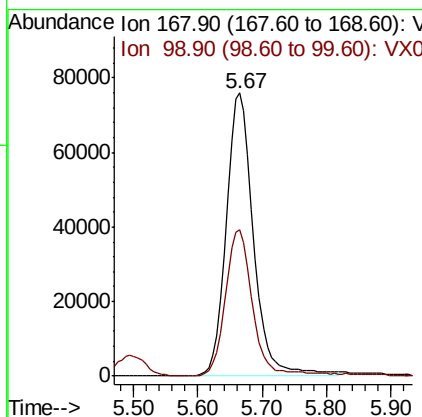
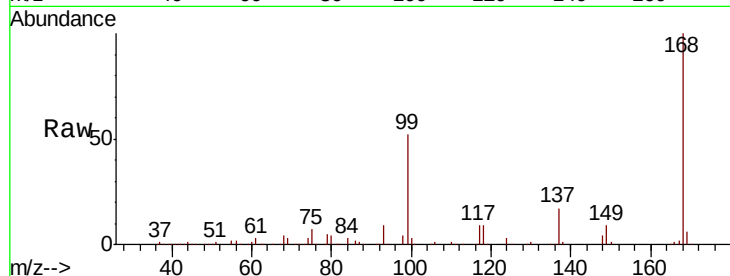
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

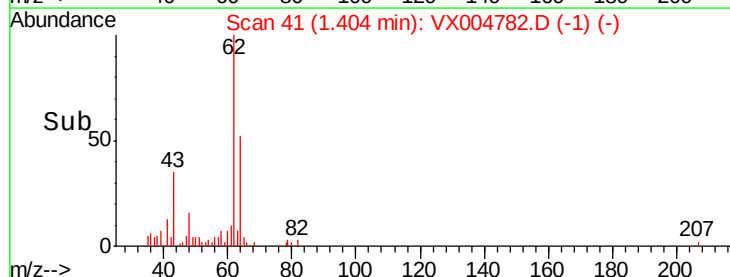
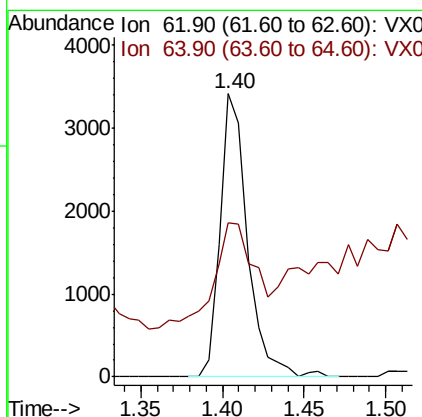
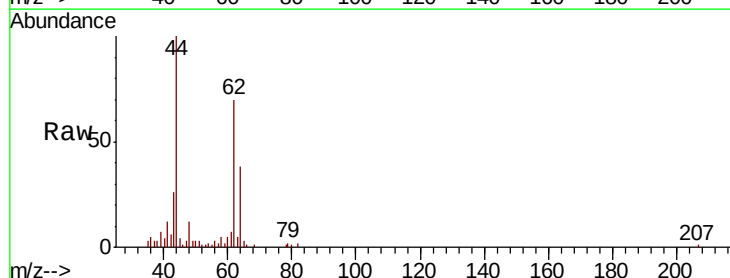
Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

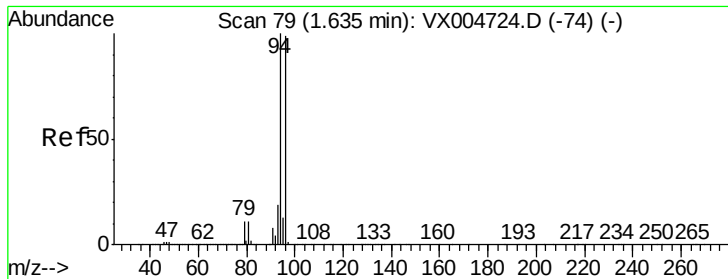
Tot Ion:168 Resp: 226503
Ion Ratio Lower Upper
168 100
99 51.5 39.9 59.9



#4
Vinyl Chloride
Concen: 1.138 ug/l
RT: 1.40 min Scan# 41
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion: 62 Resp: 3998
Ion Ratio Lower Upper
62 100
64 32.9 25.8 38.8





#5

Bromomethane

Concen: 0.239 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

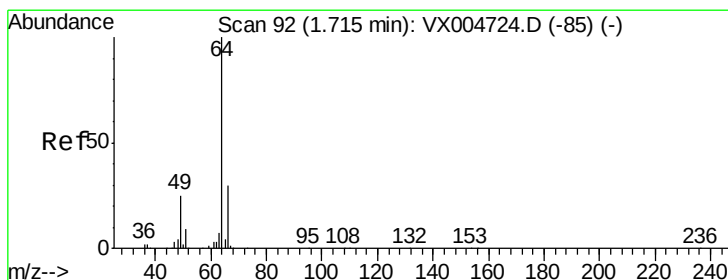
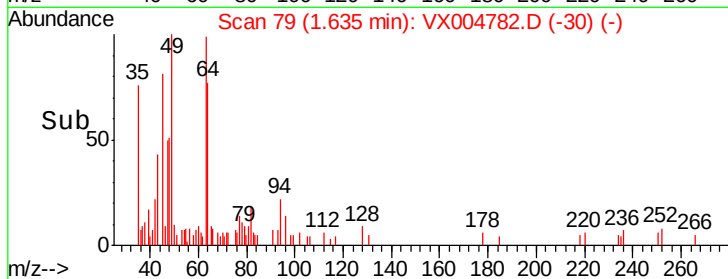
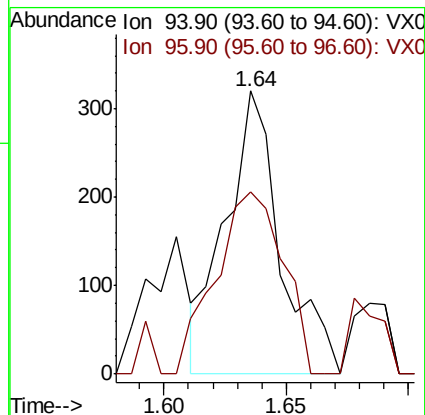
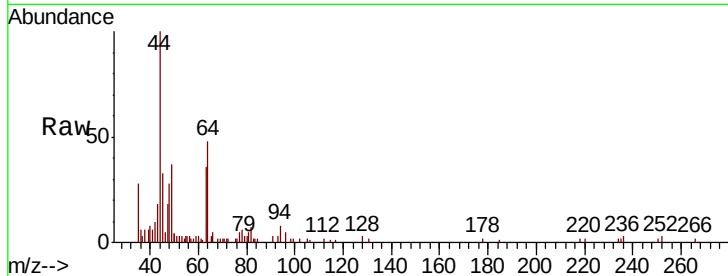
MW-57-SEP18

Tot Ion: 94 Resp: 499

Ion Ratio Lower Upper

94 100

96 64.4 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX004782.D

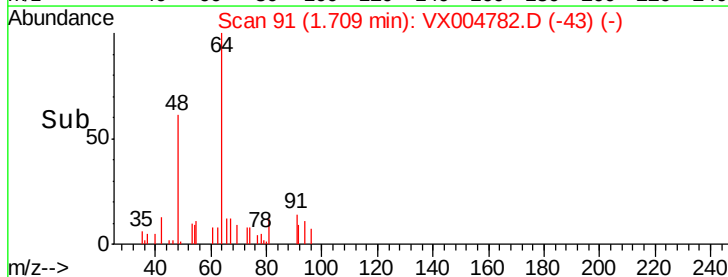
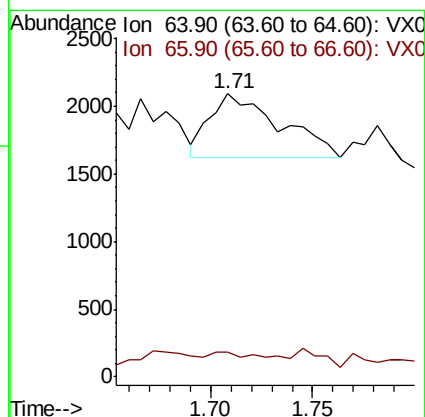
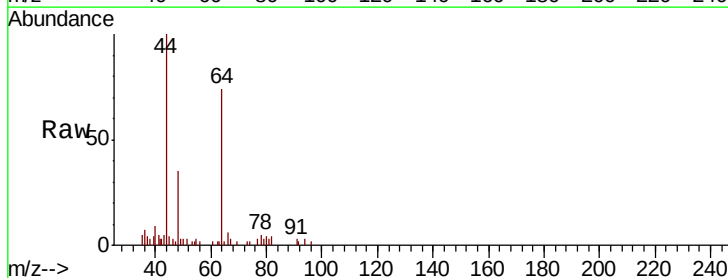
Acq: 27 Sep 2018 18:50

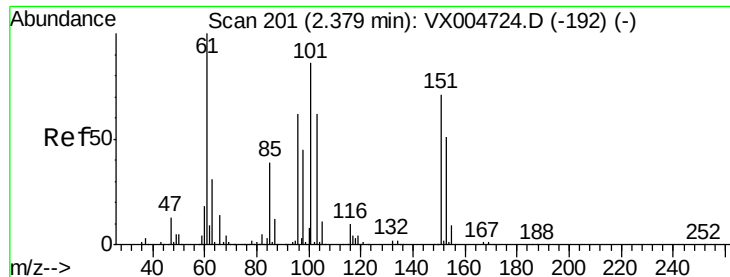
Tgt Ion: 64 Resp: 1126

Ion Ratio Lower Upper

64 100

66 22.9 24.6 36.8#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.577 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

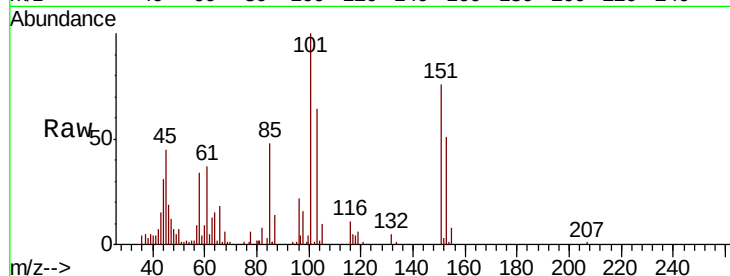
Tot Ion:101 Resp: 11343

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

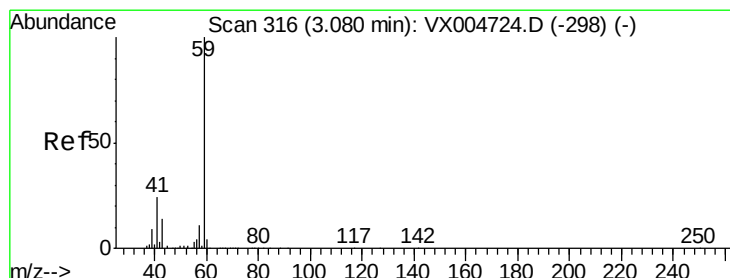
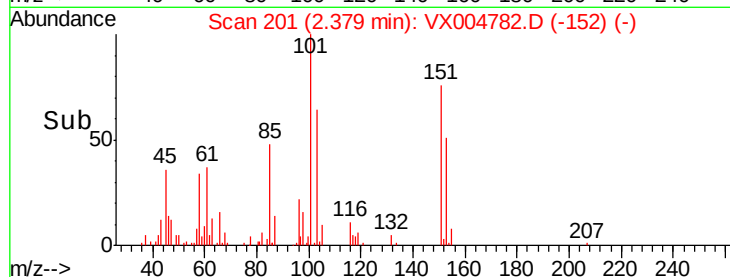
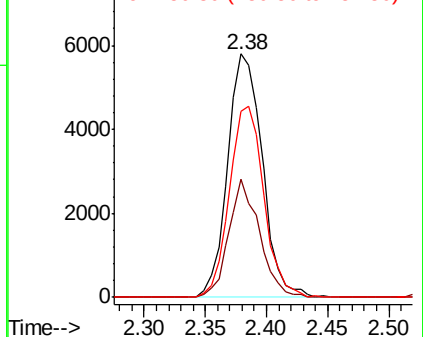
151 77.9 65.0 97.6



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



#11

Tert butyl alcohol

Concen: 8.856 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004782.D

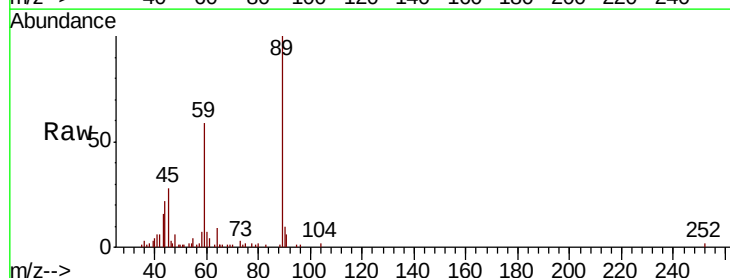
Acq: 27 Sep 2018 18:50

Tgt Ion: 59 Resp: 8012

Ion Ratio Lower Upper

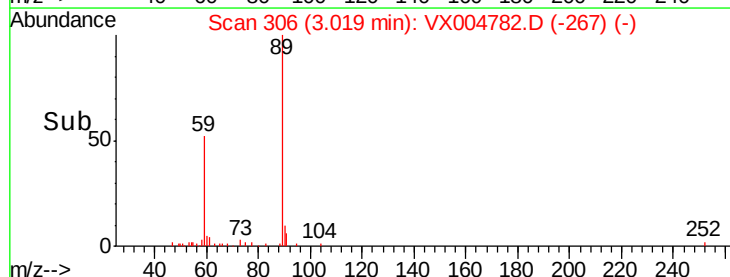
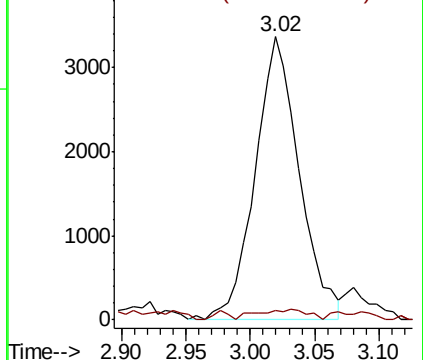
59 100

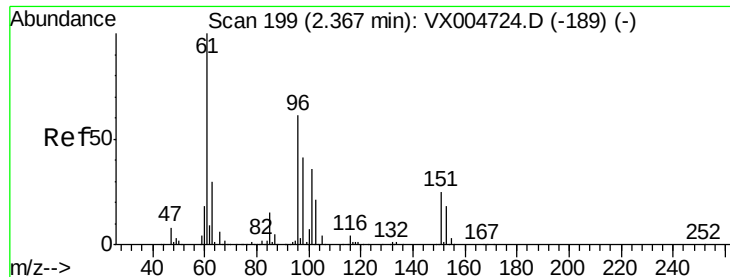
57 4.2 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

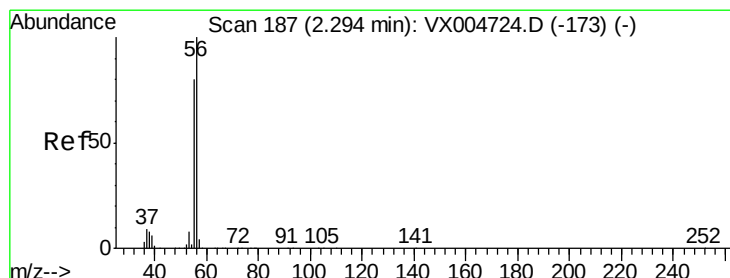
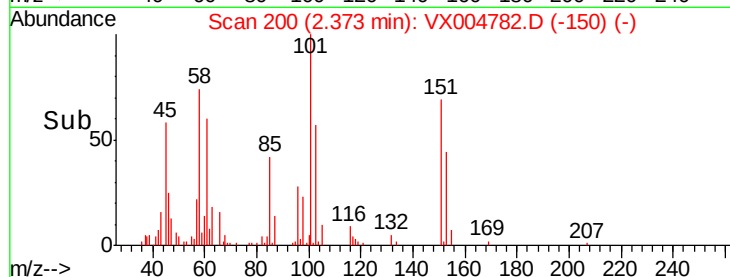
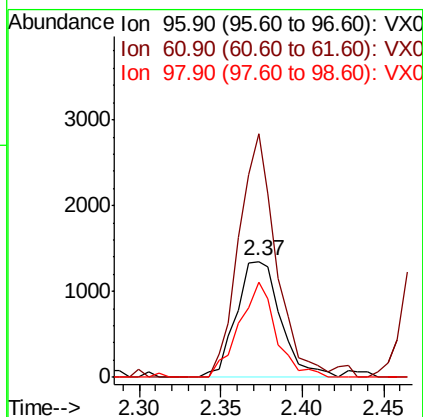
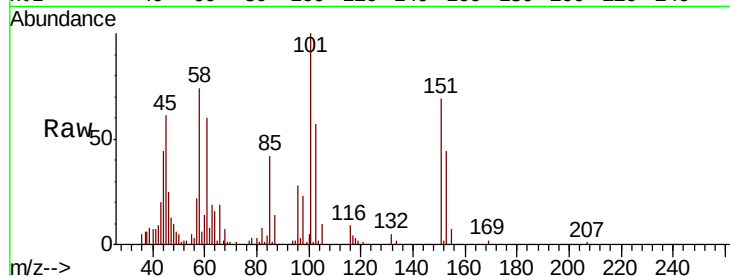




#12
 1,1-Dichloroethene
 Concen: 1.046 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

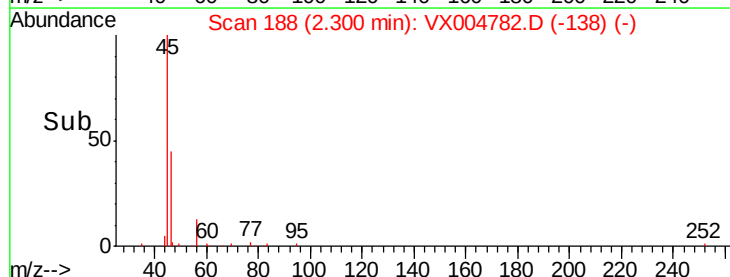
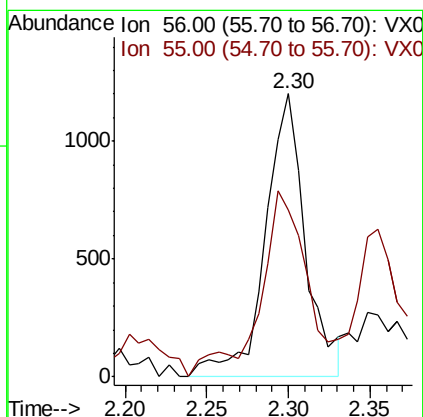
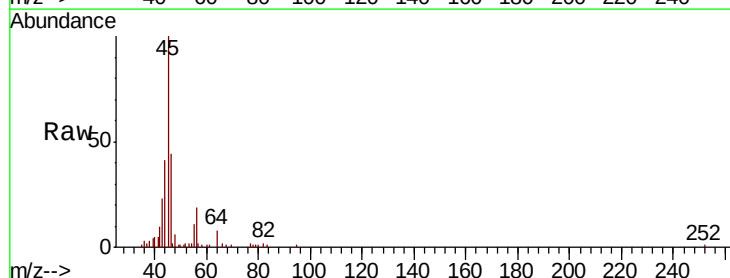
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

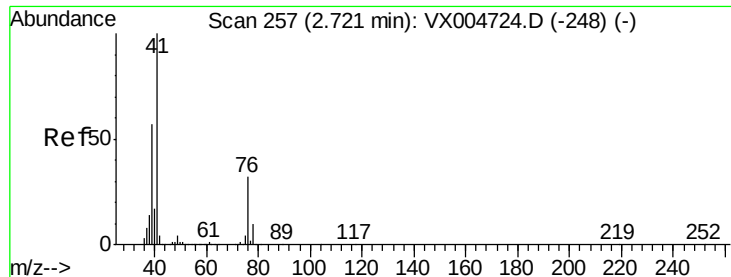
Tot Ion: 96 Resp: 2566
 Ion Ratio Lower Upper
 96 100
 61 209.8 128.8 193.2#
 98 81.7 52.2 78.2#



#13
 Acrolein
 Concen: 3.179 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 56 Resp: 2046
 Ion Ratio Lower Upper
 56 100
 55 75.1 54.7 82.1





#14

Allvl chloride

Concen: 189.718 ug/l

RT: 2.65 min Scan# 245

Delta R.T. -0.07 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

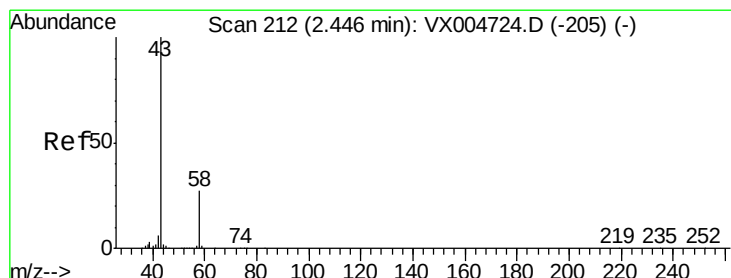
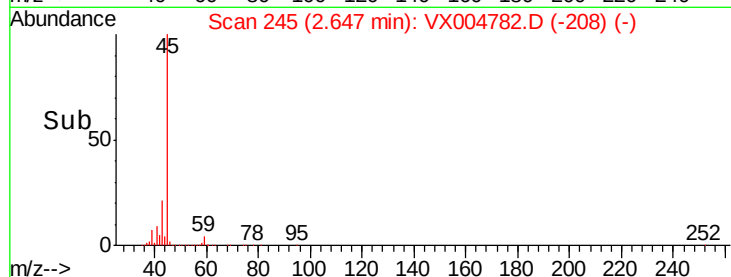
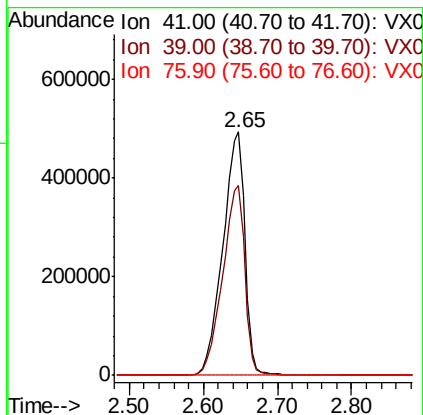
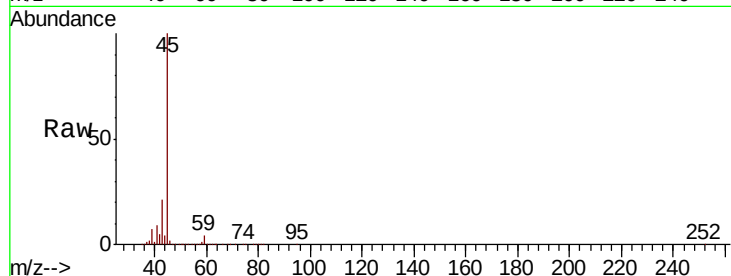
Tot Ion: 41 Resp: 1015925

Ion Ratio Lower Upper

41 100

39 78.5 48.9 73.3#

76 0.0 26.7 40.1#



#16

Acetone

Concen: 226.436 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004782.D

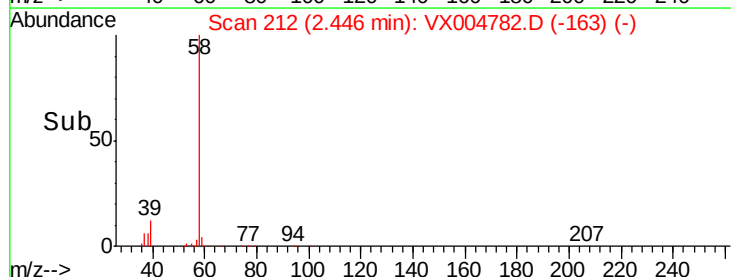
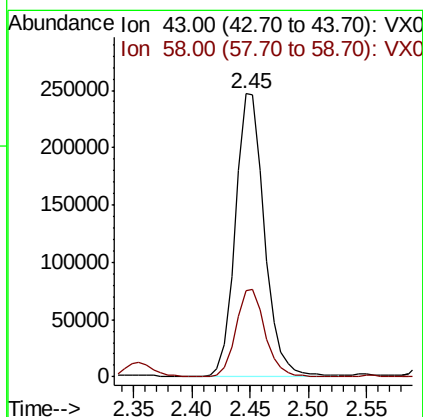
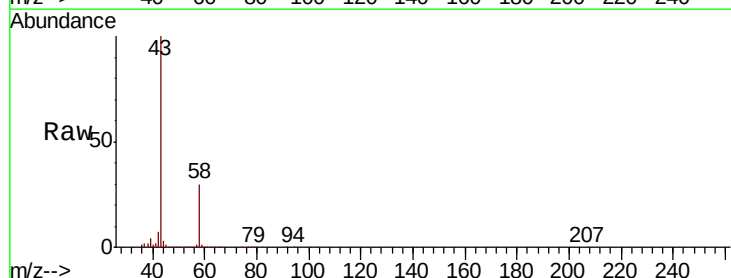
Acq: 27 Sep 2018 18:50

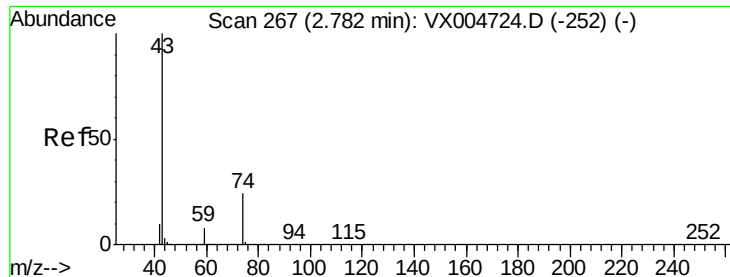
Tgt Ion: 43 Resp: 427738

Ion Ratio Lower Upper

43 100

58 30.2 26.2 39.4

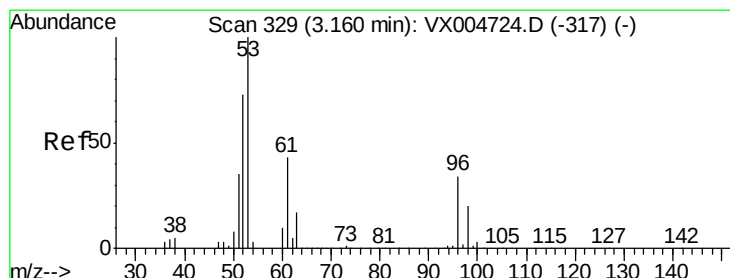
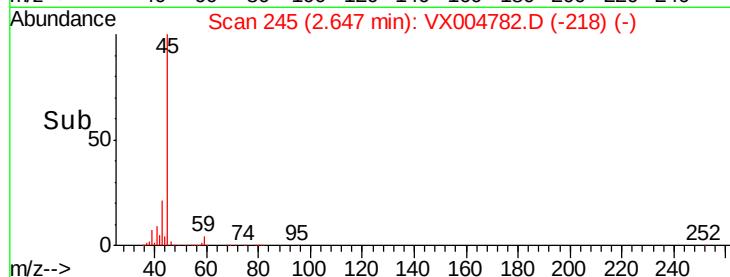
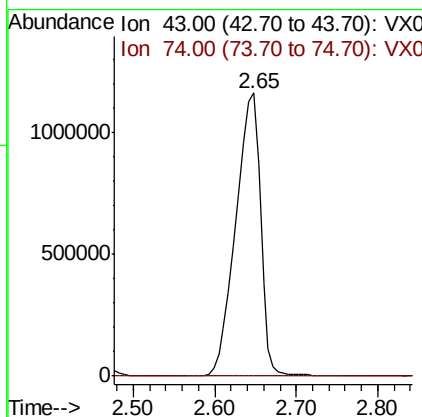
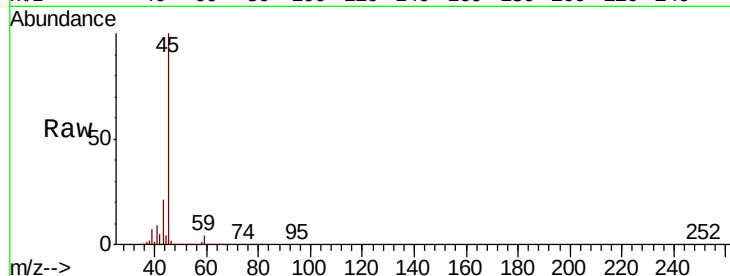




#18
Methvl Acetate
Concen: 508.195 ug/l
RT: 2.65 min Scan# 245
Delta R.T. -0.13 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

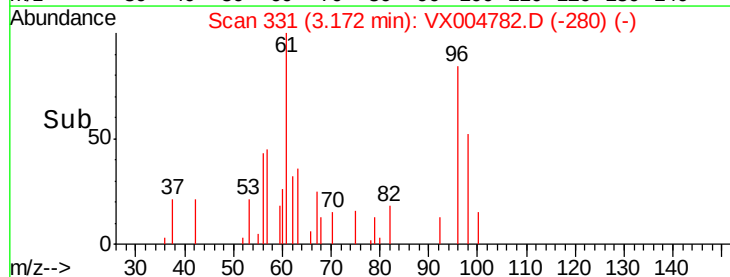
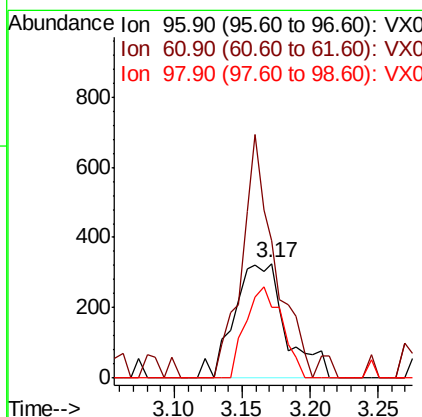
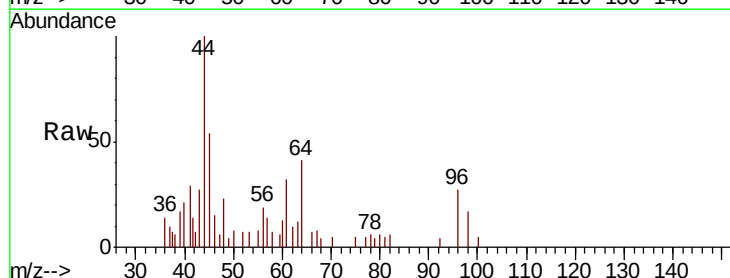
Instrument :
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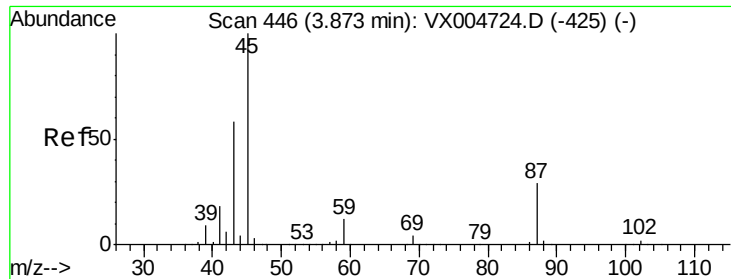
Tot Ion: 43 Resp: 2432220
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#21
trans-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion: 96 Resp: 861
Ion Ratio Lower Upper
96 100
61 119.6 113.8 170.6
98 61.8 51.8 77.8





#22

Diisopropyl ether

Concen: 30.922 ug/l

RT: 4.08 min Scan# 480

Delta R.T. 0.21 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampled :

MW-57-SEP18

Tot Ion: 45 Resp: 278830

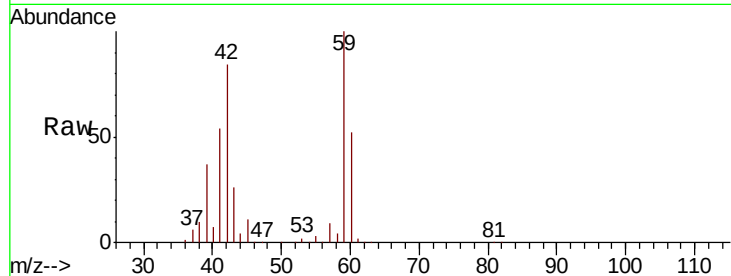
Ion Ratio Lower Upper

45 100

43 231.7 42.8 64.2#

87 0.0 22.6 34.0#

59 896.4 9.6 14.4#

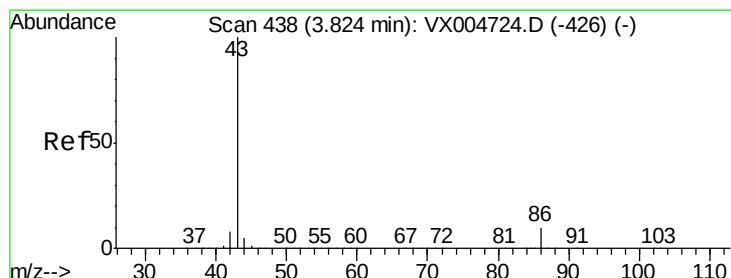
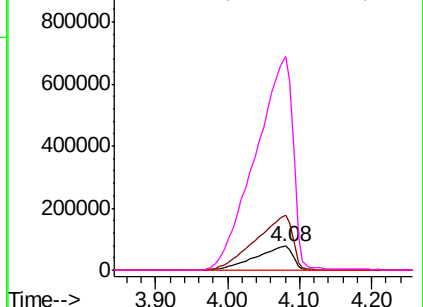
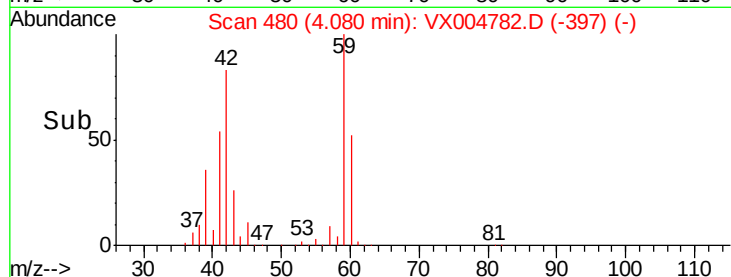


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 76.759 ug/l

RT: 4.08 min Scan# 480

Delta R.T. 0.26 min

Lab File: VX004782.D

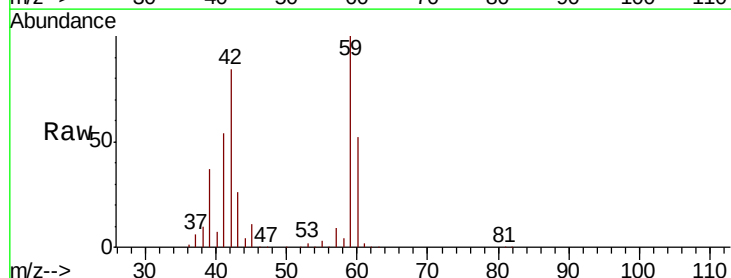
Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 633566

Ion Ratio Lower Upper

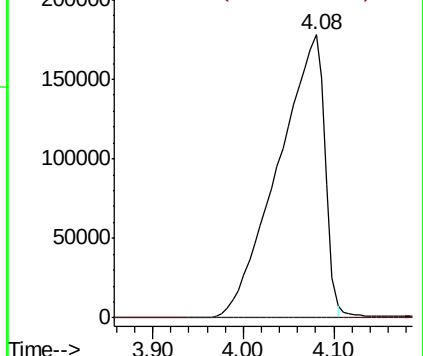
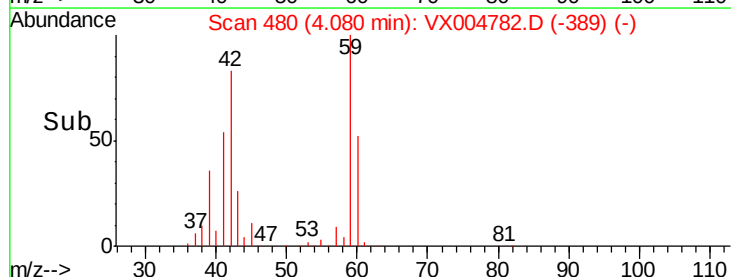
43 100

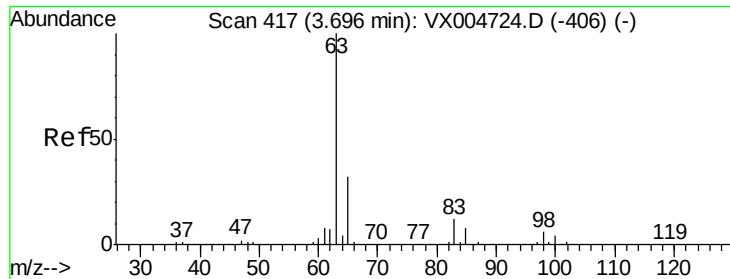
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

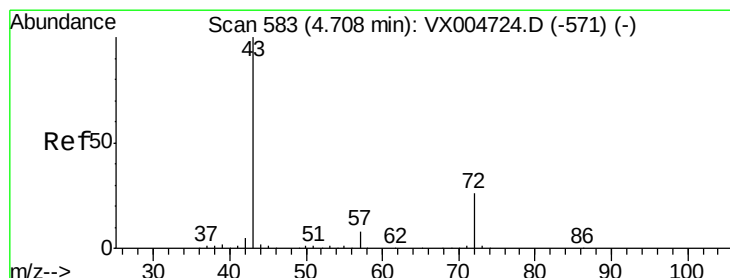
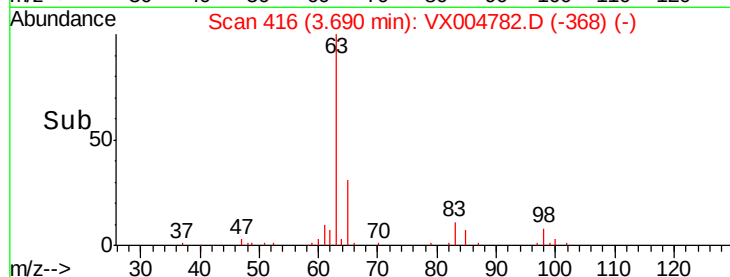
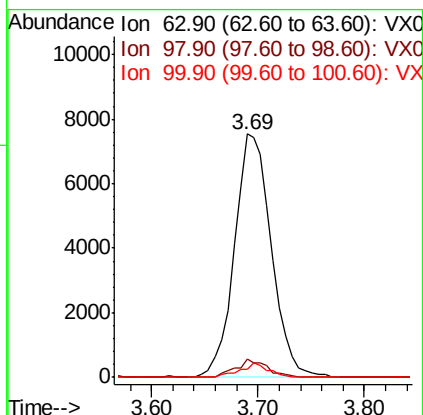
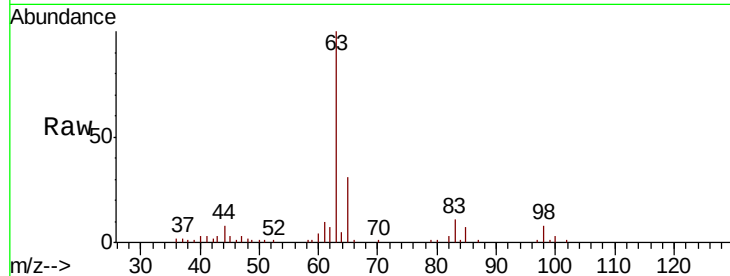




#24
 1,1-Dichloroethane
 Concen: 3.390 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

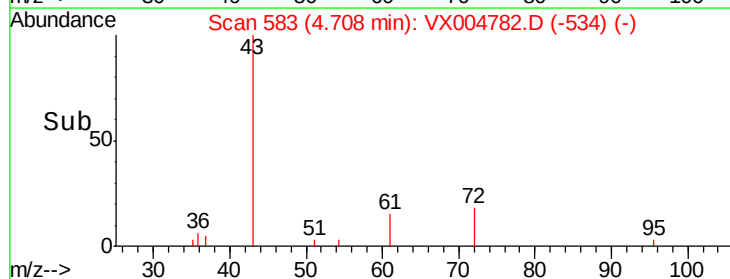
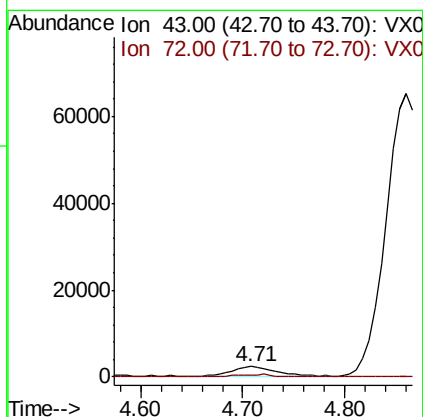
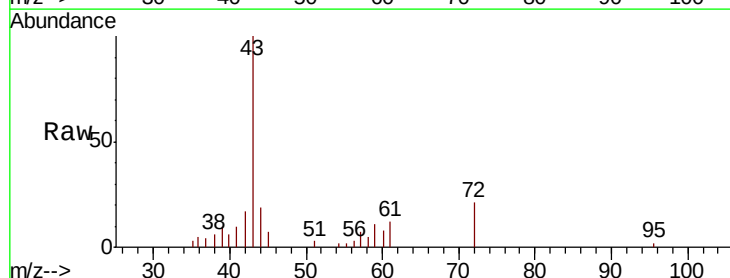
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

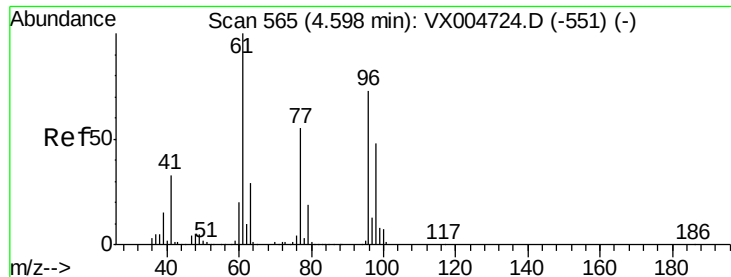
Tot Ion: 63 Resp: 18233
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.5 10.4
 100 3.5 2.4 7.1



#25
 2-Butanone
 Concen: 2.317 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 6451
 Ion Ratio Lower Upper
 43 100
 72 22.3 22.0 33.0



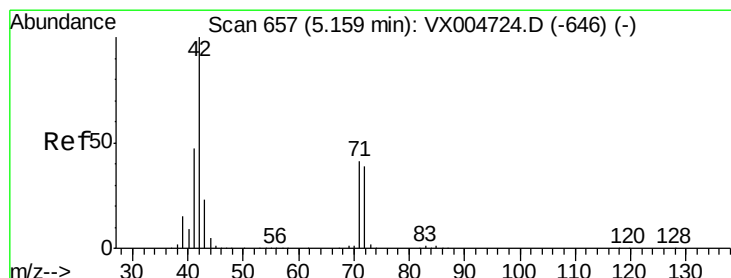
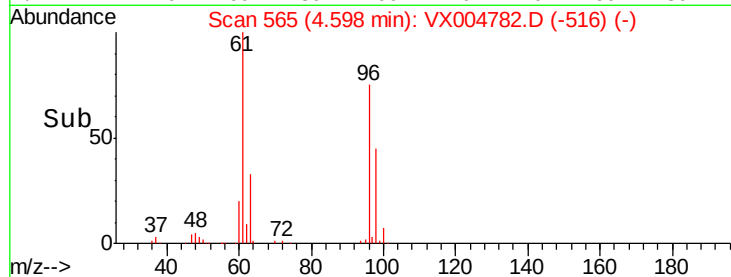
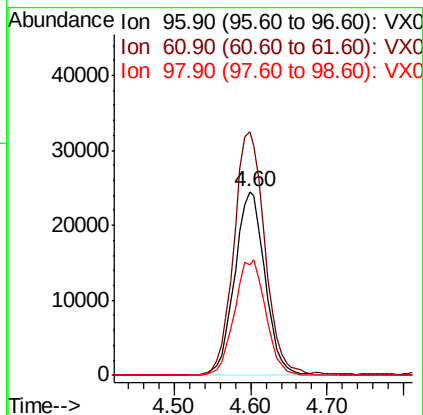
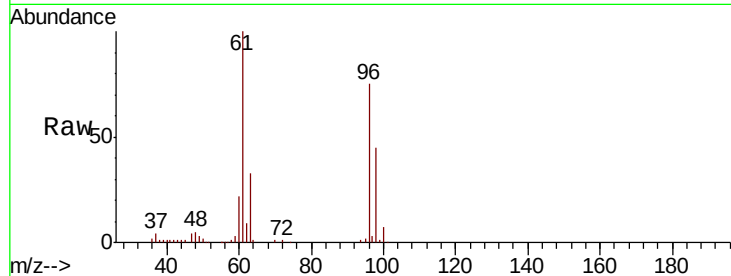


#27

cis-1,2-Dichloroethene
 Concen: 22.319 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

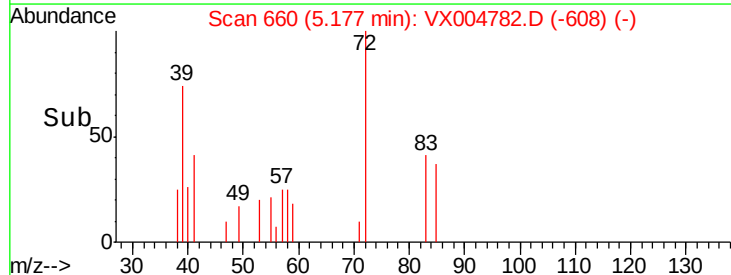
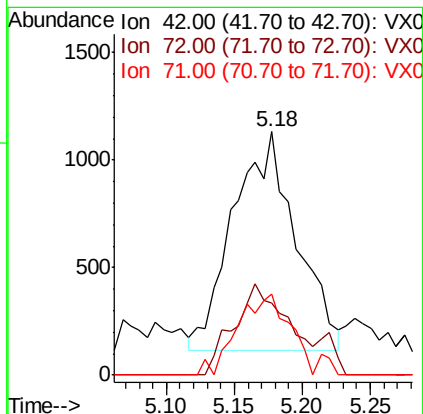
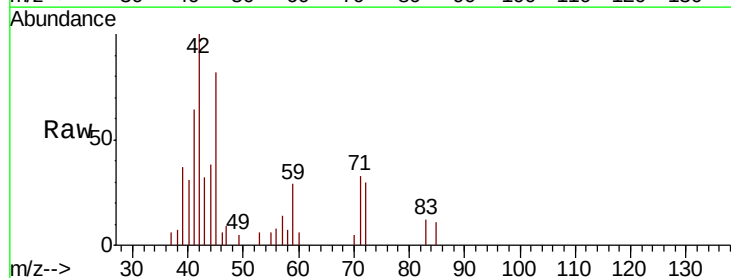
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	282.6
98	64.7	0.0	130.2

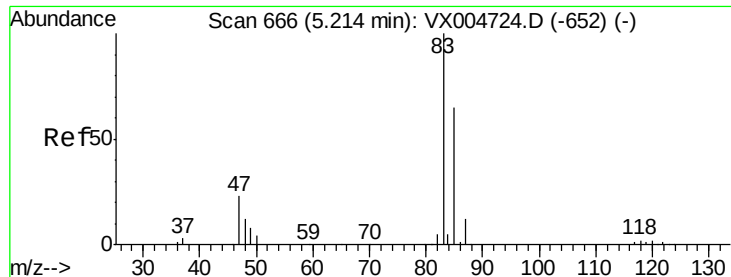


#29

Tetrahydrofuran
 Concen: 1.897 ug/l
 RT: 5.18 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.9	37.4	56.0#
71	30.9	34.5	51.7#

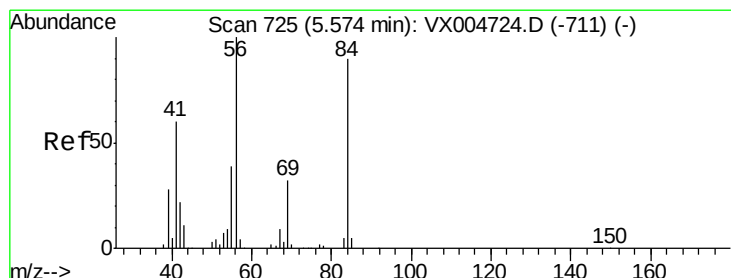
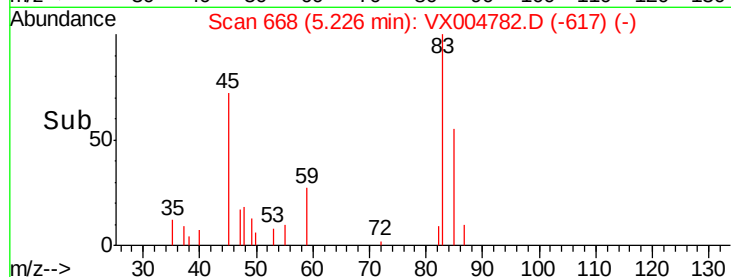
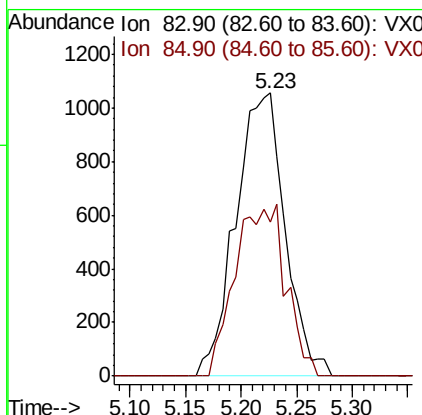
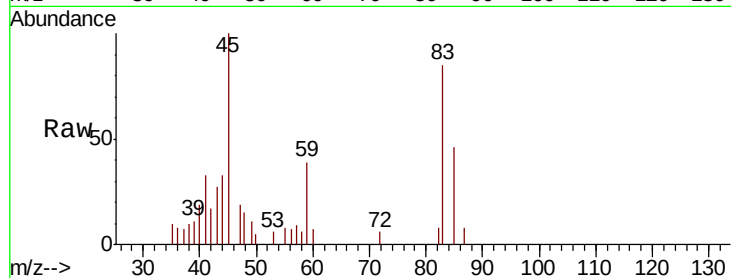




#30
Chloroform
Concen: 0.642 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.01 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

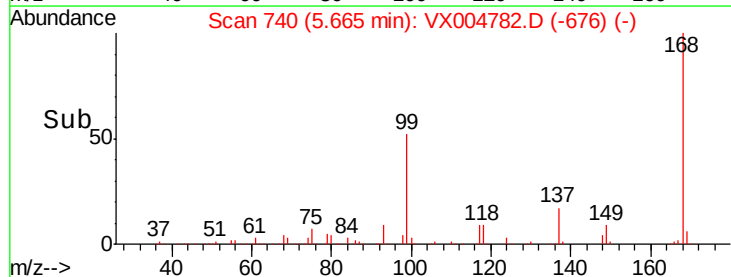
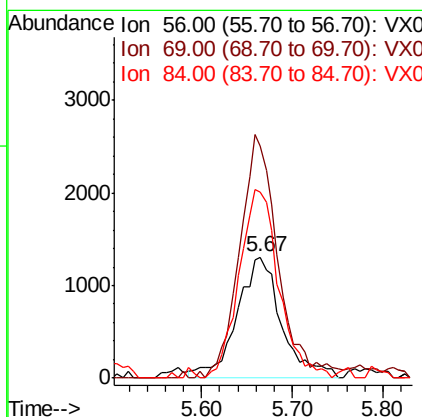
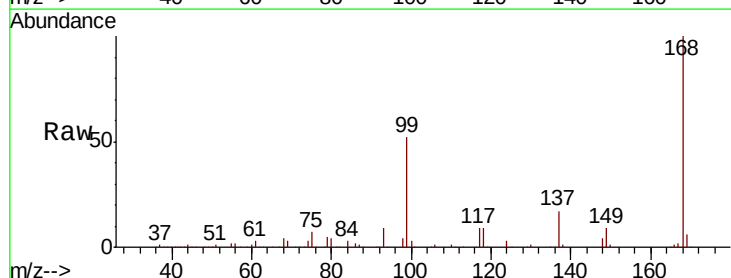
Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

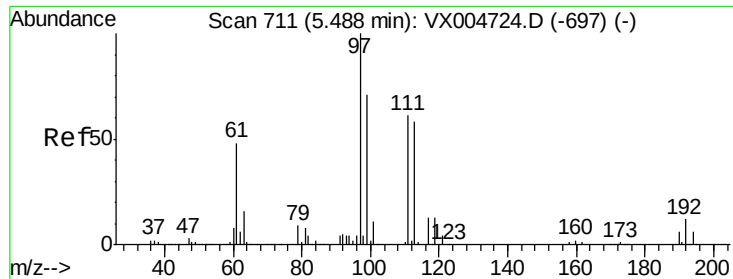
Tot Ion: 83 Resp: 3266
Ion Ratio Lower Upper
83 100
85 54.6 52.6 79.0



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion: 56 Resp: 4450
Ion Ratio Lower Upper
56 100
69 191.0 25.4 38.2#
84 149.2 71.4 107.2#





#32

1,1,1-Trichloroethane

Concen: 6.632 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

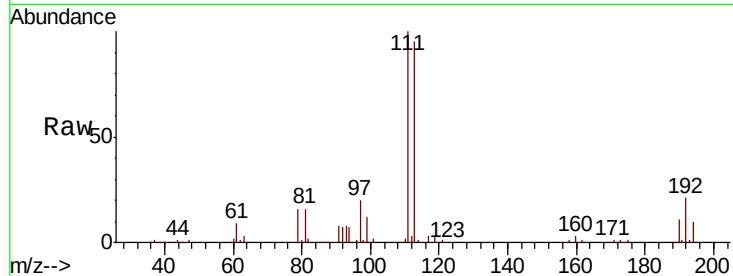
Tot Ion: 97 Resp: 27532

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

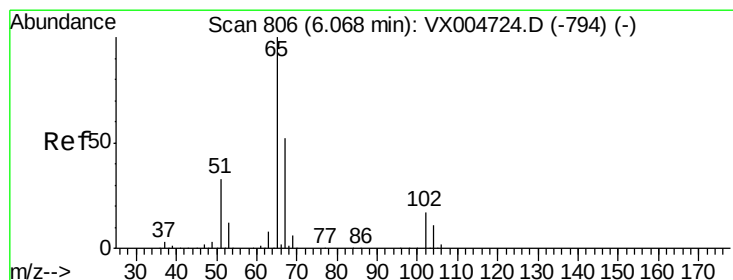
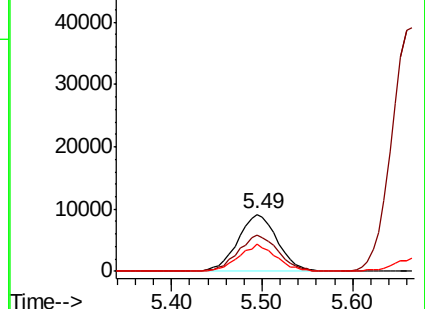
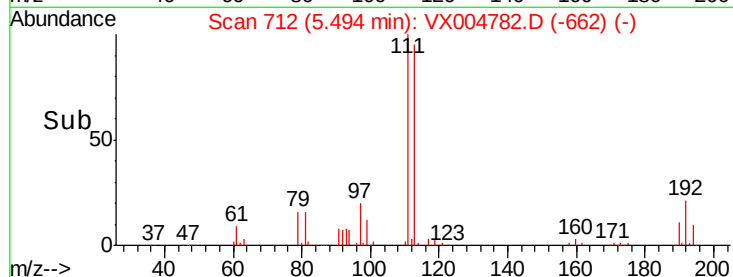
61 44.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.502 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004782.D

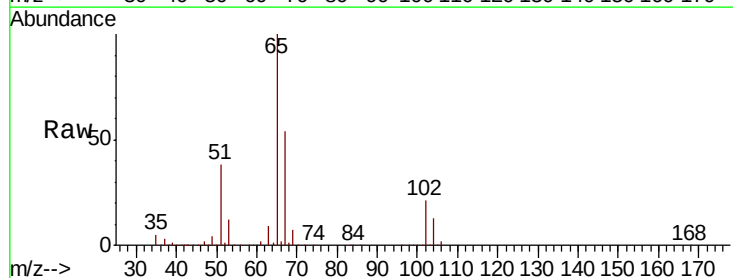
Acq: 27 Sep 2018 18:50

Tgt Ion: 65 Resp: 169875

Ion Ratio Lower Upper

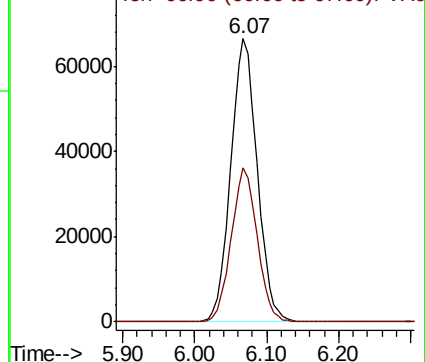
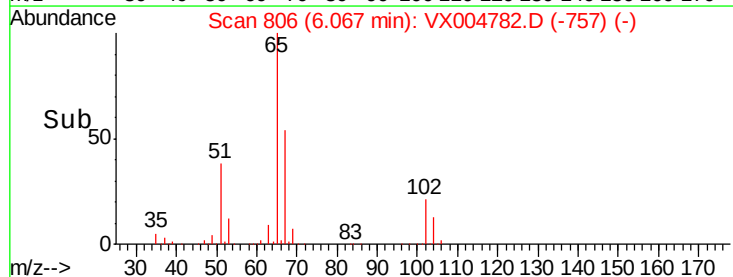
65 100

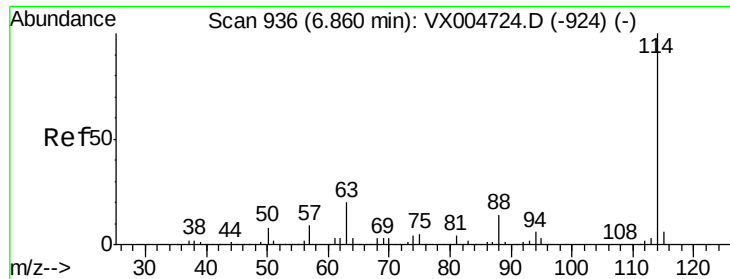
67 53.6 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

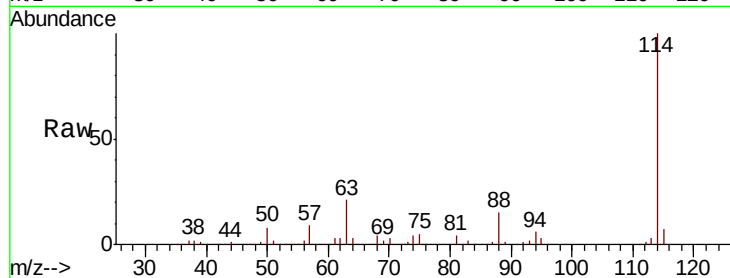




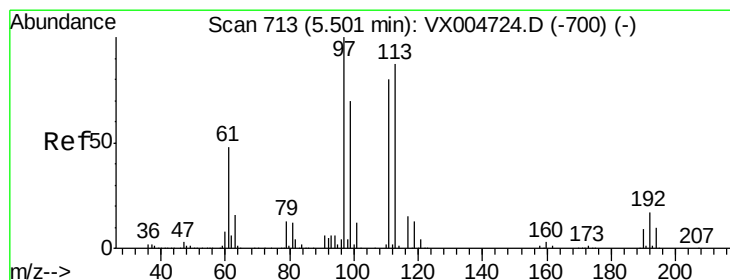
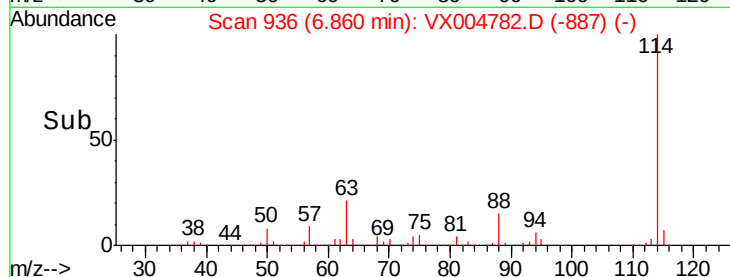
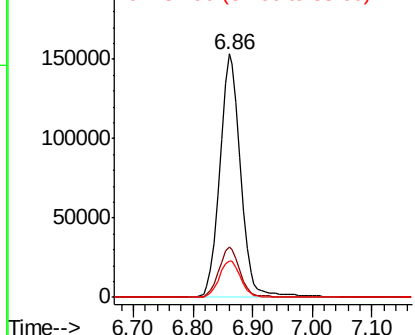
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

Tot Ion:114 Resp: 372619
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 15.0 0.0 30.4

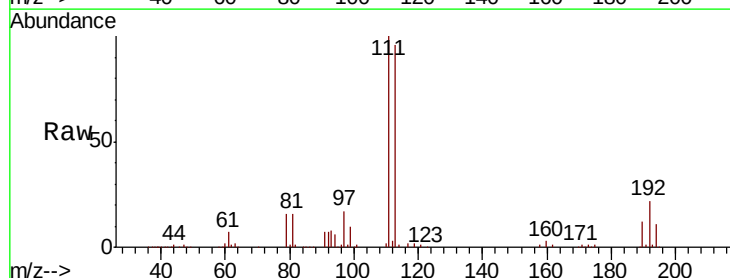


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

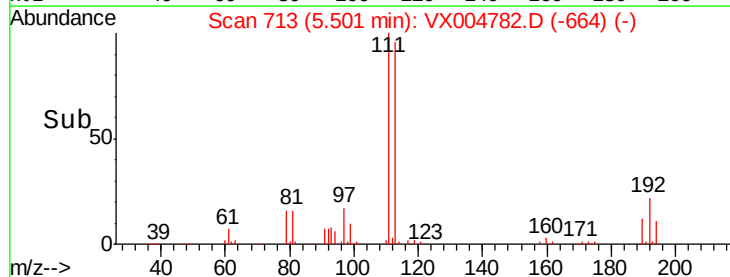
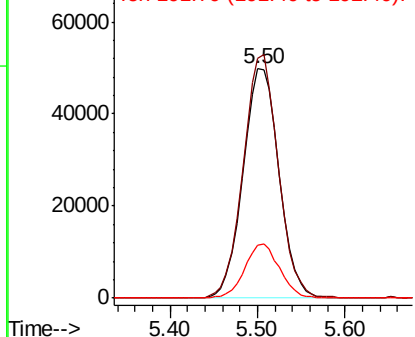


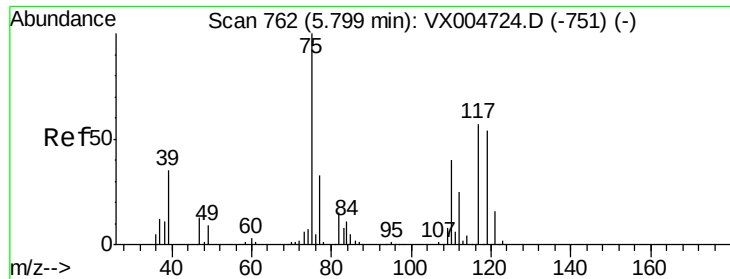
#35
 Dibromofluoromethane
 Concen: 45.164 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion:113 Resp: 142628
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.4 123.6
 192 22.9 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

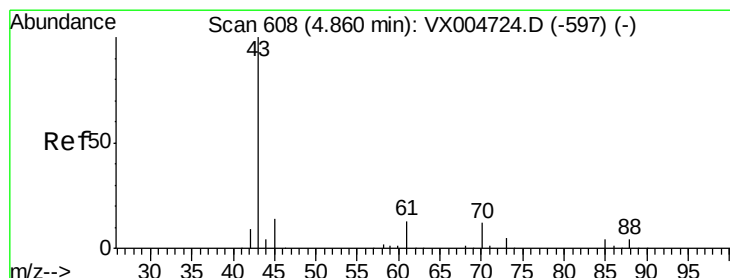
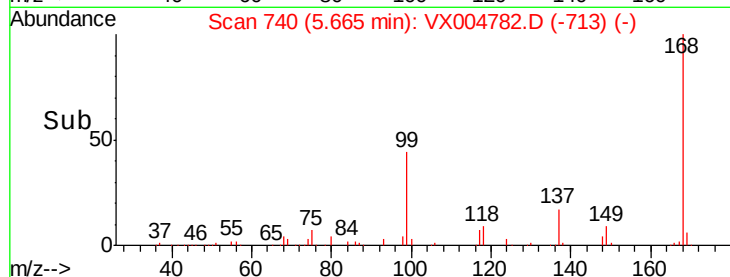
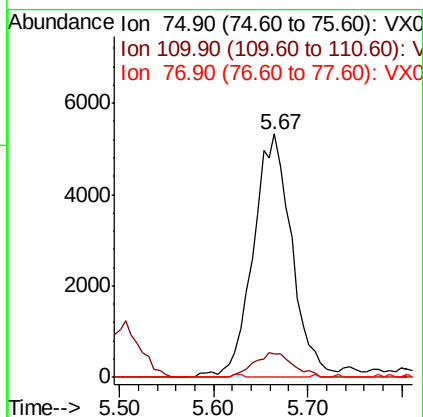
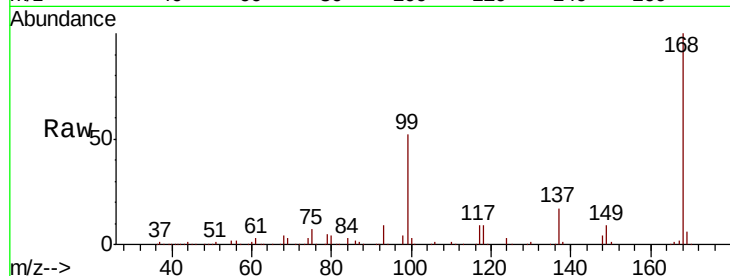




#36
 1,1-Dichloropropene
 Concen: 3.549 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

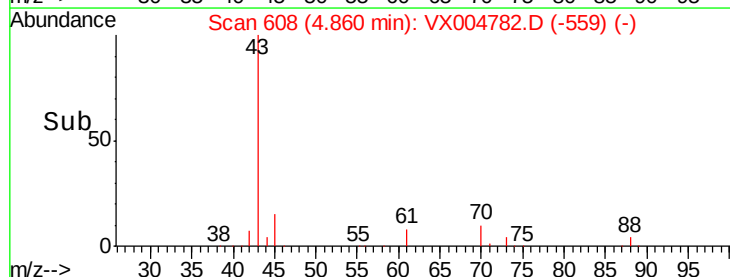
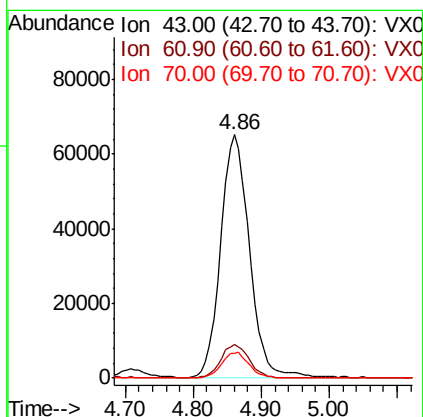
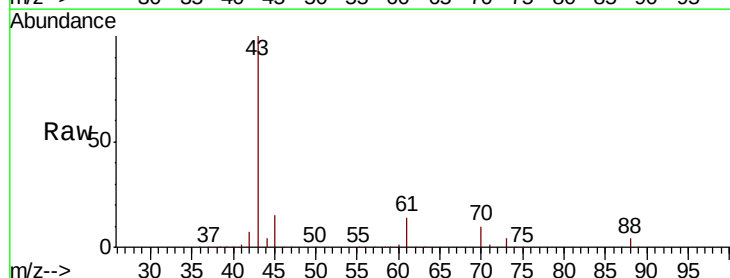
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

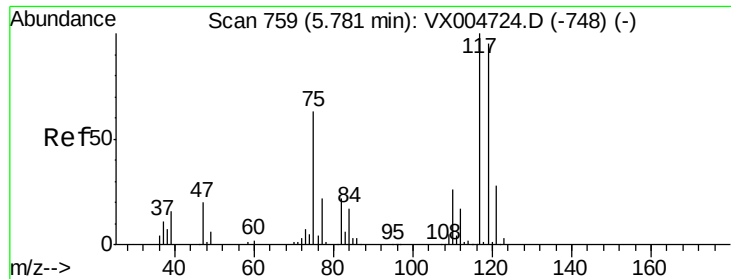
Tot Ion: 75 Resp: 15291
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.0 54.0#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 33.191 ug/l
 RT: 4.86 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 189829
 Ion Ratio Lower Upper
 43 100
 61 13.7 11.5 17.3
 70 10.2 9.0 13.6





#38

Carbon Tetrachloride

Concen: 4.433 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

MW-57-SEP18

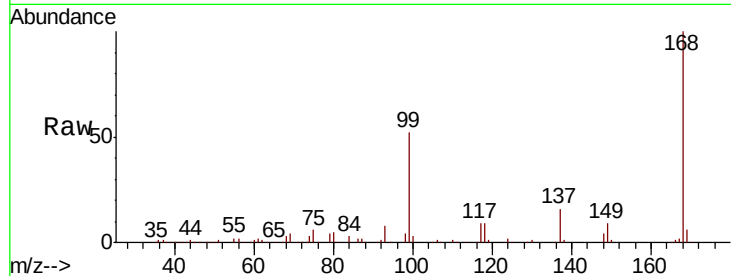
Tot Ion:117 Resp: 20077

Ion Ratio Lower Upper

117 100

119 5.4 78.8 118.2#

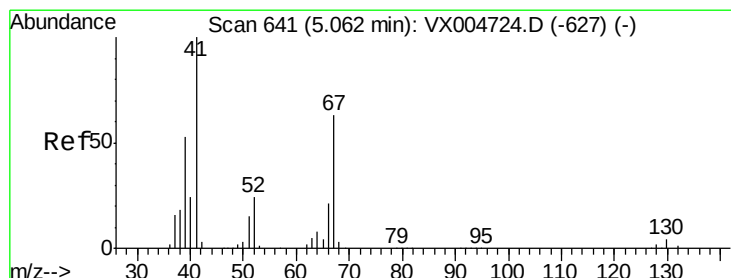
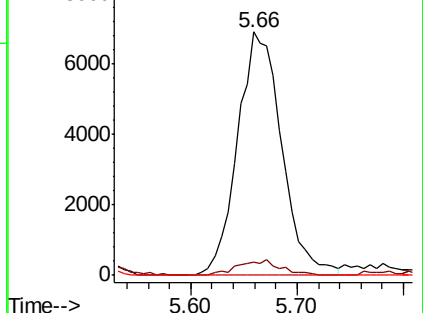
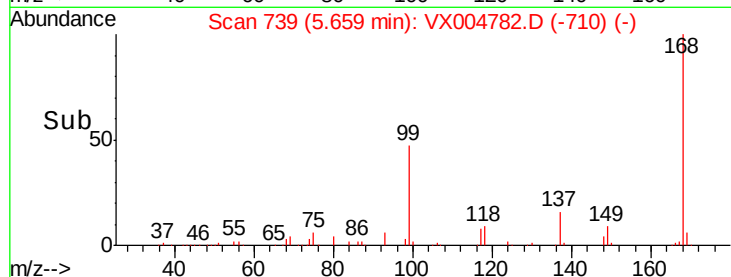
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.883 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.10 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Tgt Ion: 41 Resp: 2802

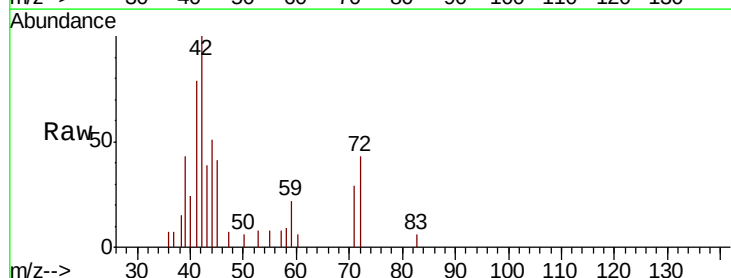
Ion Ratio Lower Upper

41 100

39 33.8 42.4 63.6#

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

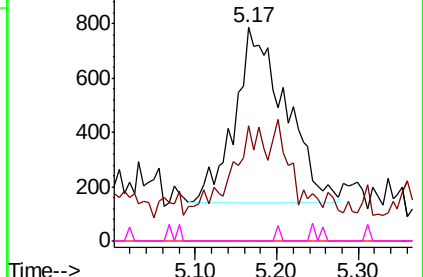
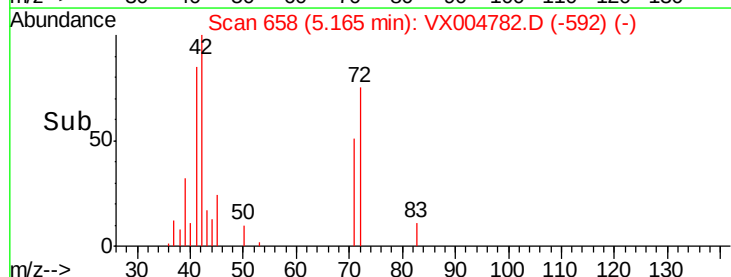


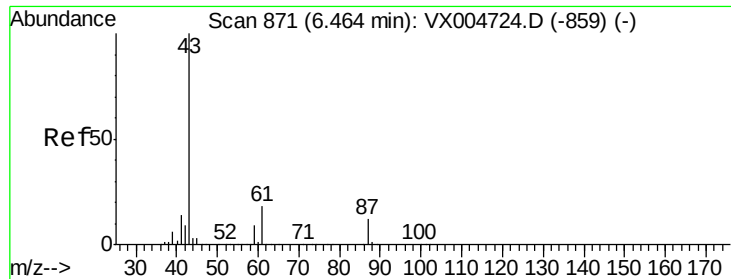
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



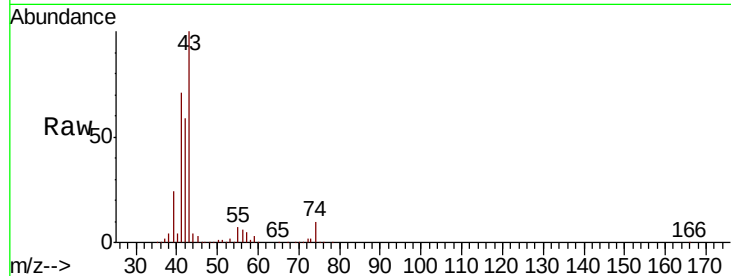


#43

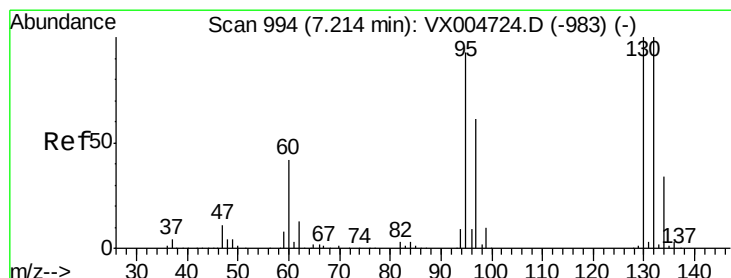
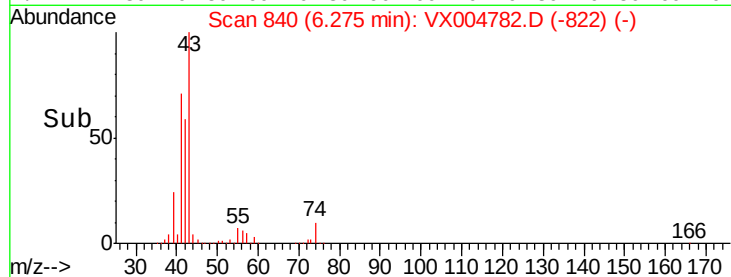
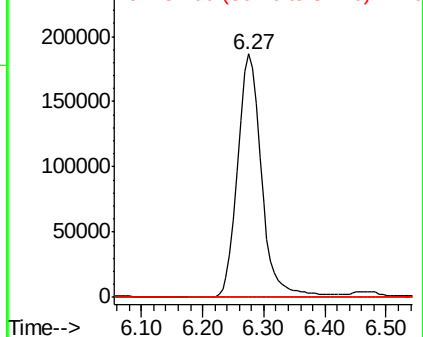
Isopropyl Acetate
 Concen: 61.313 ug/l
 RT: 6.27 min Scan# 840
 Delta R.T. -0.19 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

Tot Ion	43	Resp	506136
Ion Ratio	Lower	Upper	
43	100		
61	0.0	17.0	25.4#
87	0.0	11.4	17.2#



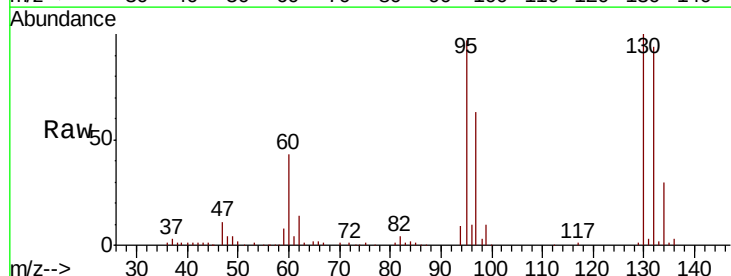
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



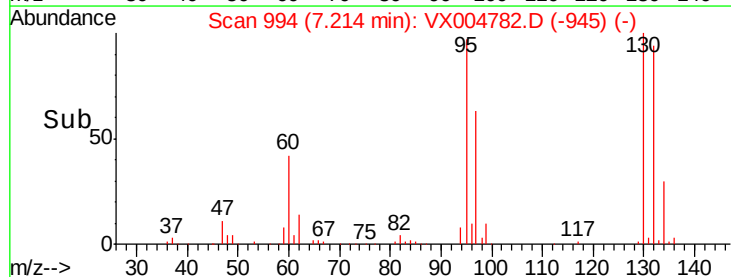
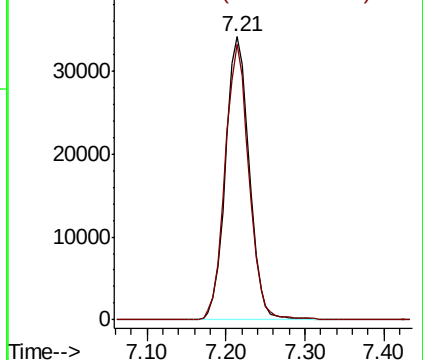
#44

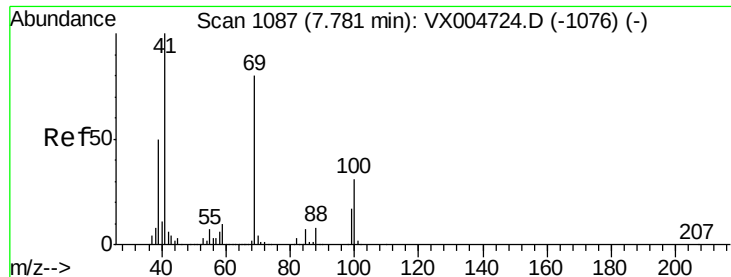
Trichloroethene
 Concen: 21.731 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion	130	Resp	72060
Ion Ratio	Lower	Upper	
130	100		
95	97.3	0.0	181.6



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

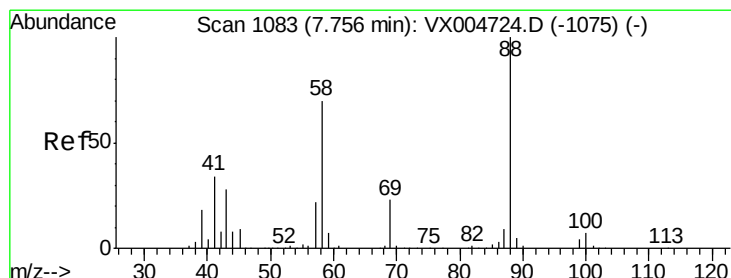
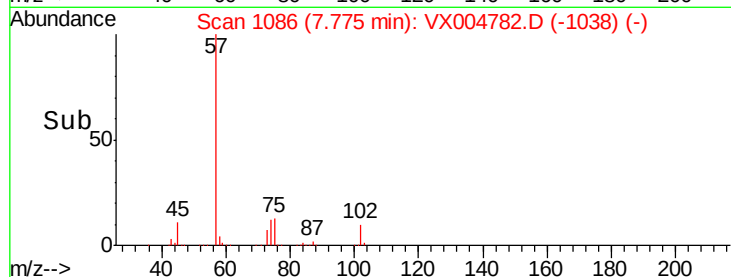
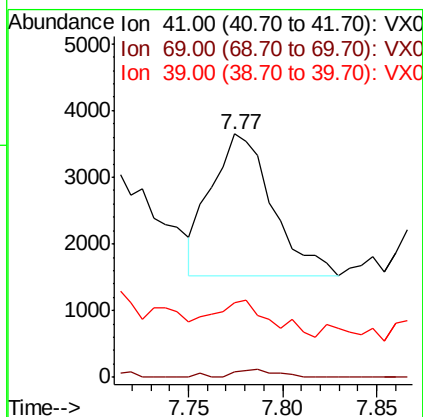
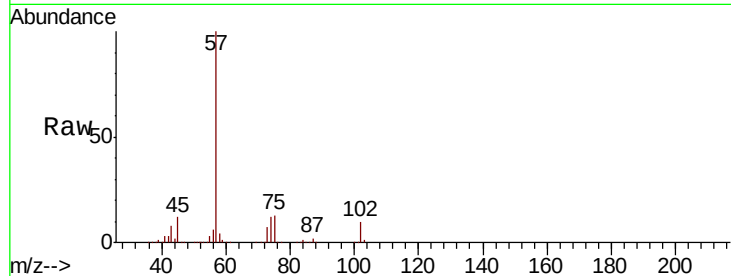




#48
Methvl methacrylate
Concen: 1.291 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

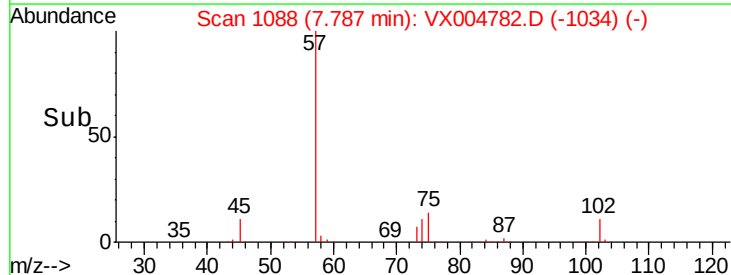
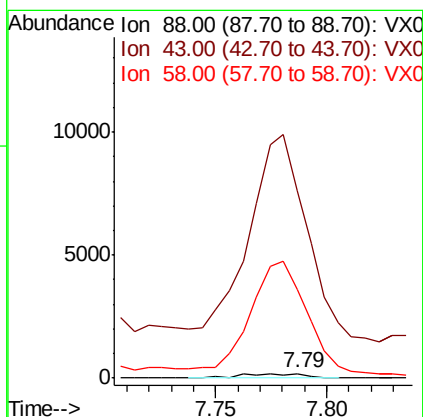
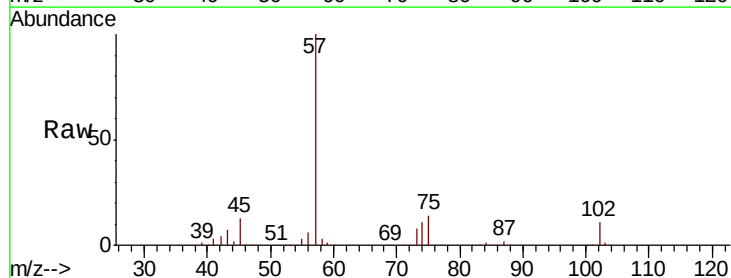
Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

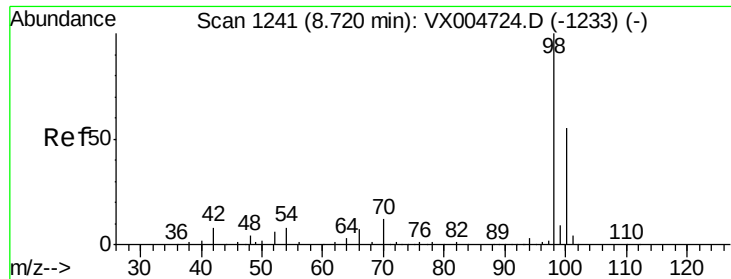
Tot Ion: 41 Resp: 4837
Ion Ratio Lower Upper
41 100
69 3.7 70.2 105.4#
39 21.3 42.7 64.1#



#49
1,4-Dioxane
Concen: 3.620 ug/l
RT: 7.79 min Scan# 1088
Delta R.T. 0.03 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion: 88 Resp: 337
Ion Ratio Lower Upper
88 100
43 4611.0 24.7 37.1#
58 2528.5 55.3 82.9#





#50

Toluene-d8

Concen: 52.386 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

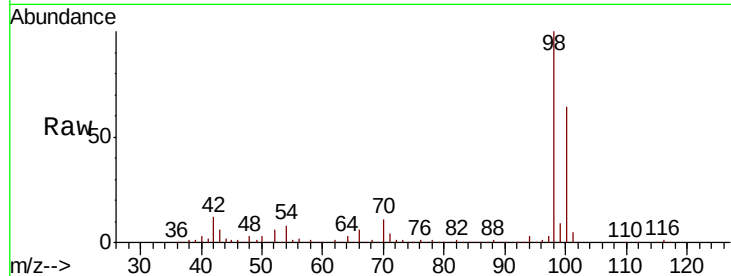
MW-57-SEP18

Tot Ion: 98 Resp: 549983

Ion Ratio Lower Upper

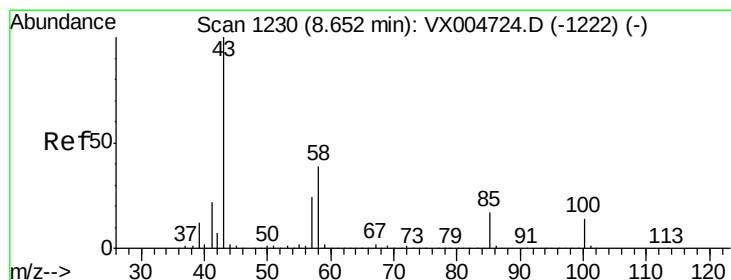
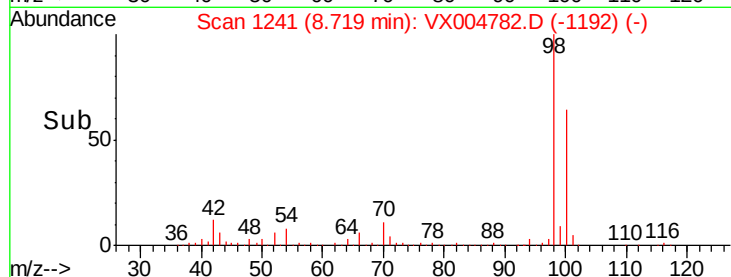
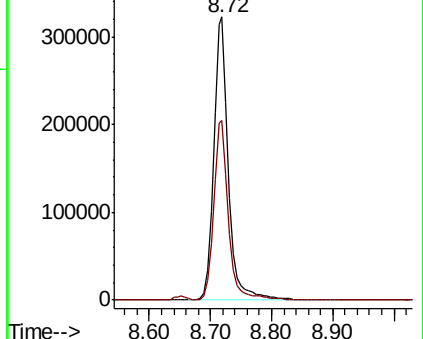
98 100

100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 12.286 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004782.D

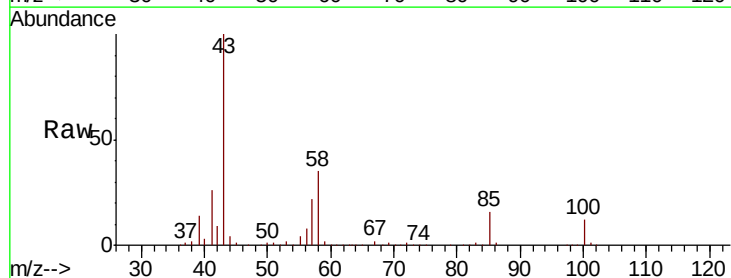
Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 63859

Ion Ratio Lower Upper

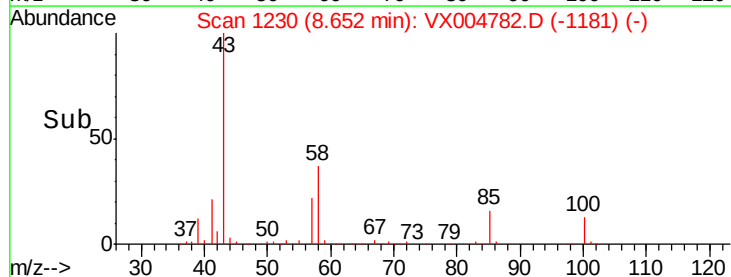
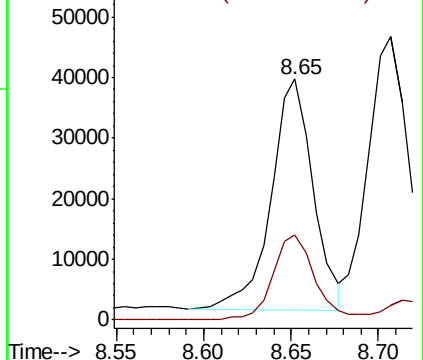
43 100

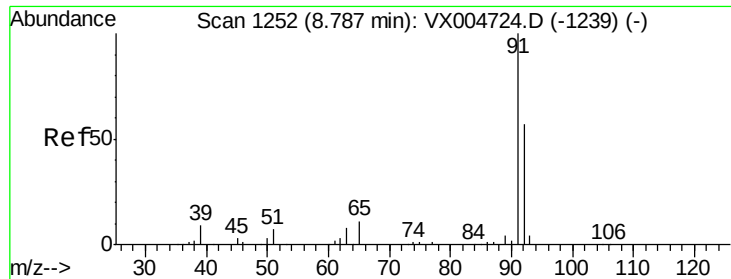
58 37.5 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.582 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

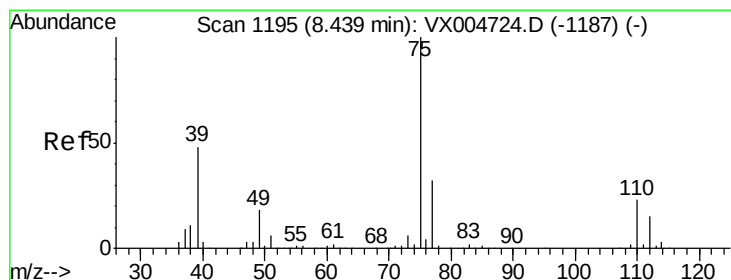
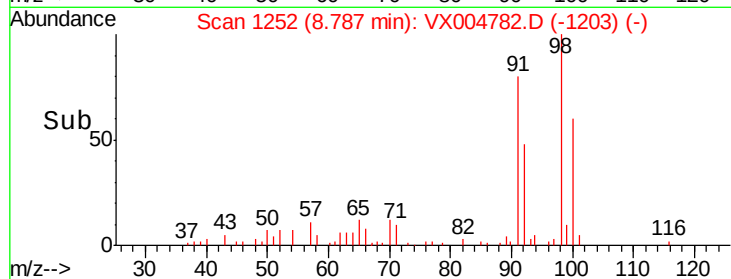
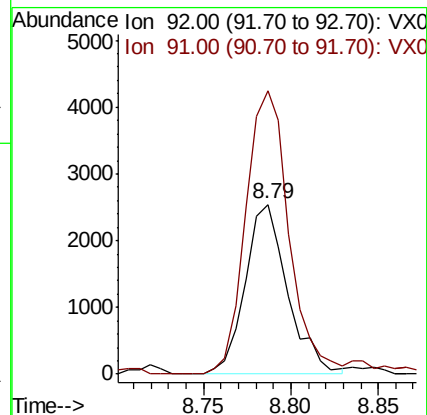
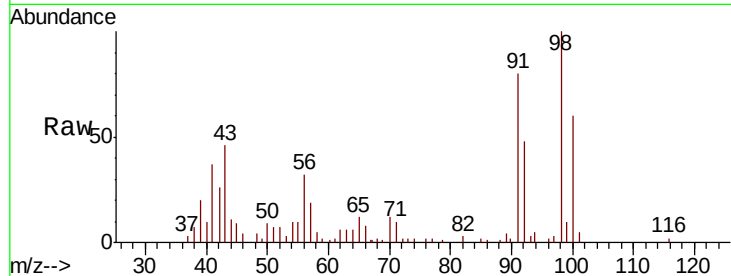
MW-57-SEP18

Tot Ion: 92 Resp: 4313

Ion Ratio Lower Upper

92 100

91 169.1 136.4 204.6



#54

cis-1,3-Dichloropropene

Concen: 0.492 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

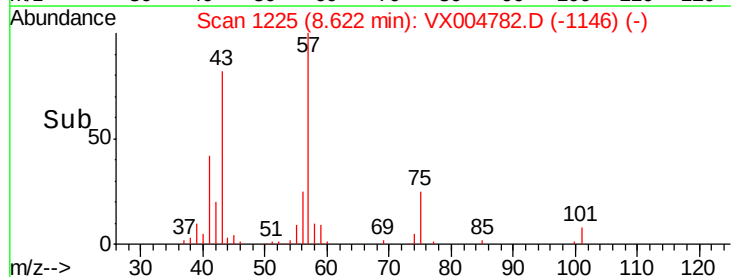
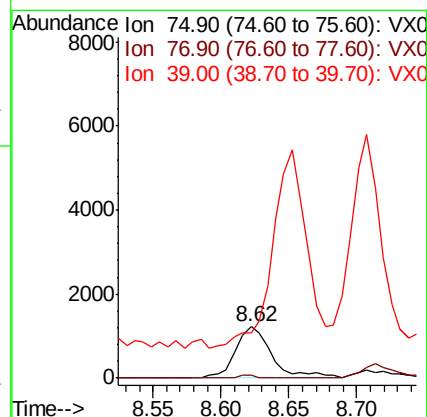
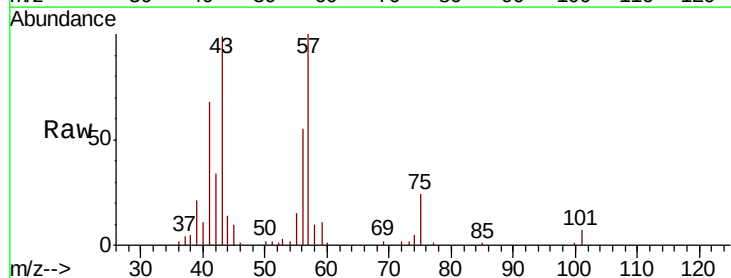
Tgt Ion: 75 Resp: 2267

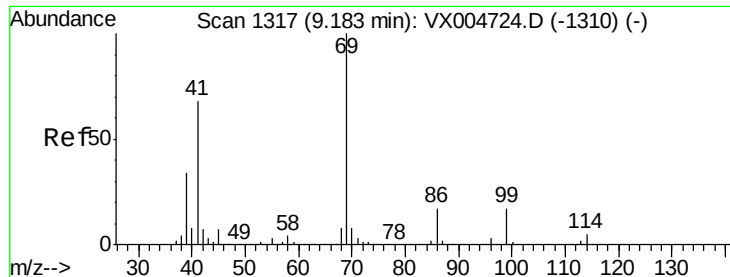
Ion Ratio Lower Upper

75 100

77 5.4 26.2 39.2#

39 17.1 36.4 54.6#





#56

Ethyl methacrylate

Concen: 3.407 ug/l

RT: 9.11 min Scan# 1305

Delta R.T. -0.07 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampled :

MW-57-SEP18

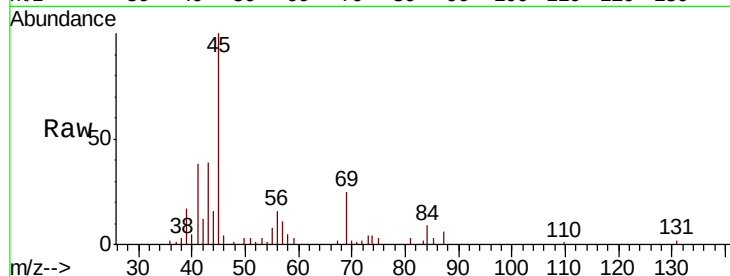
Tot Ion: 69 Resp: 3046

Ion Ratio Lower Upper

69 100

41 0.0 51.0 76.4#

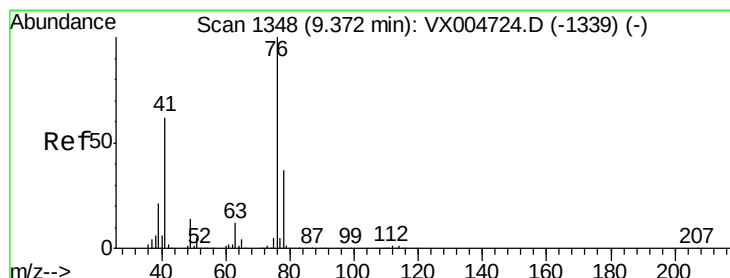
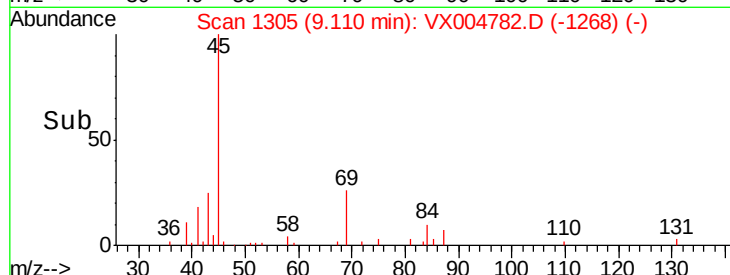
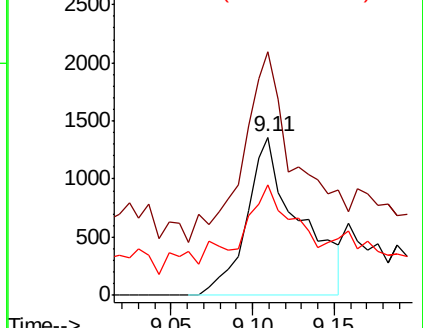
39 0.0 26.1 39.1#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.224 ug/l

RT: 9.55 min Scan# 1377

Delta R.T. 0.18 min

Lab File: VX004782.D

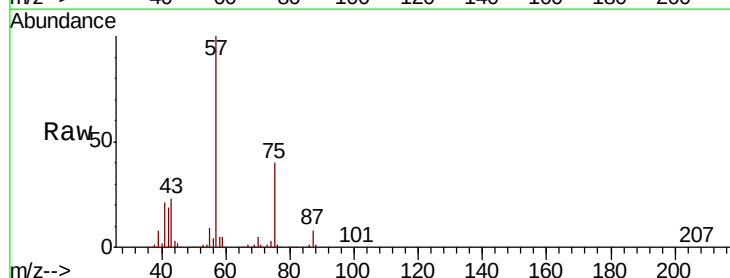
Acq: 27 Sep 2018 18:50

Tgt Ion: 76 Resp: 1211

Ion Ratio Lower Upper

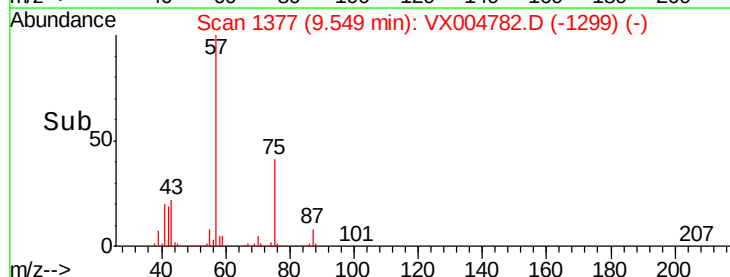
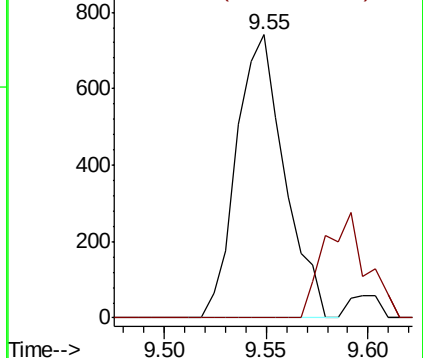
76 100

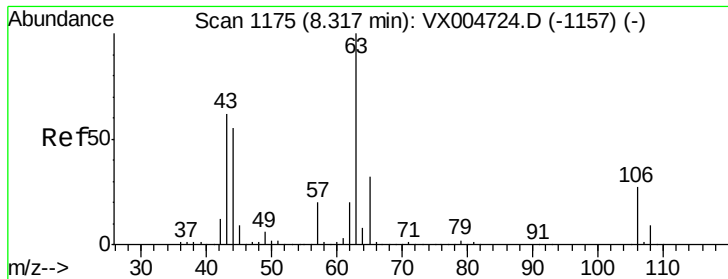
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

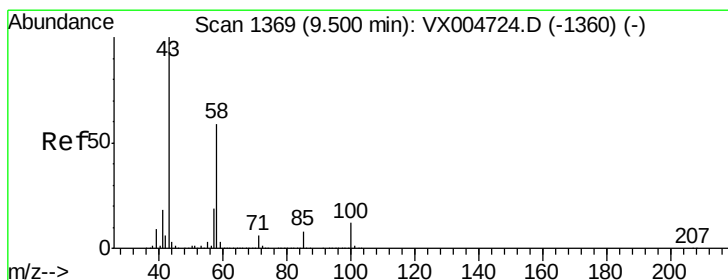
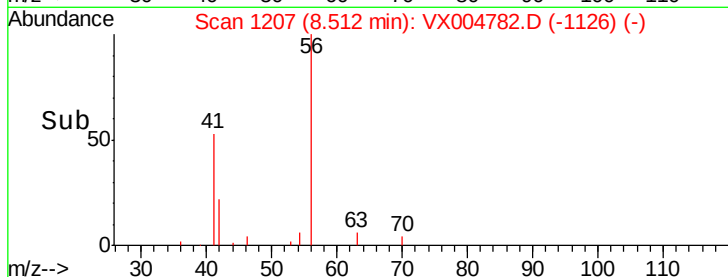
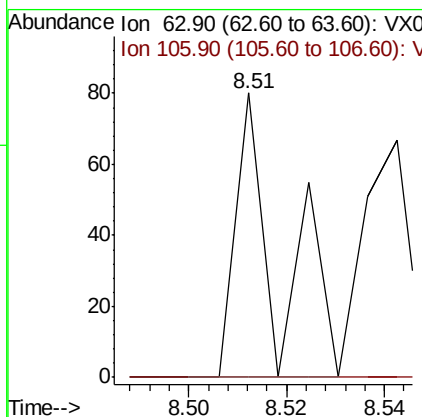
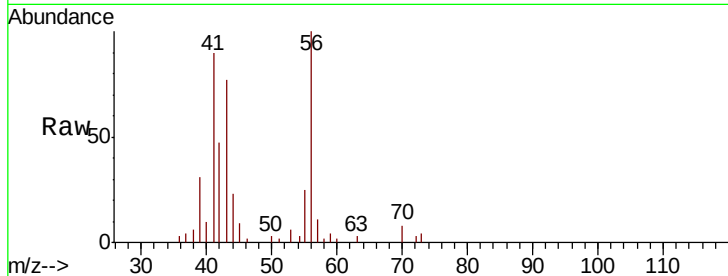




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.259 ug/l
 RT: 8.51 min Scan# 1207
 Delta R.T. 0.20 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

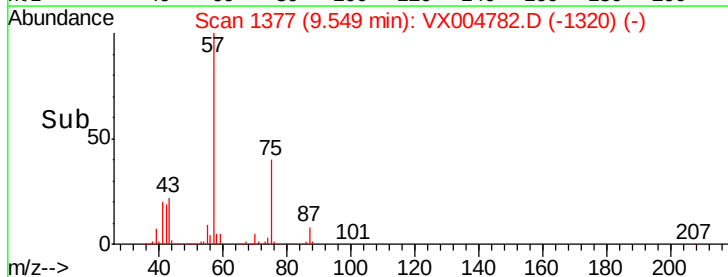
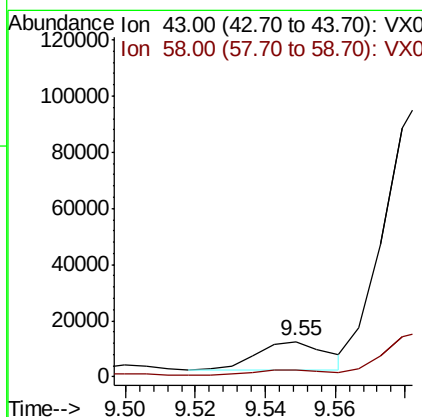
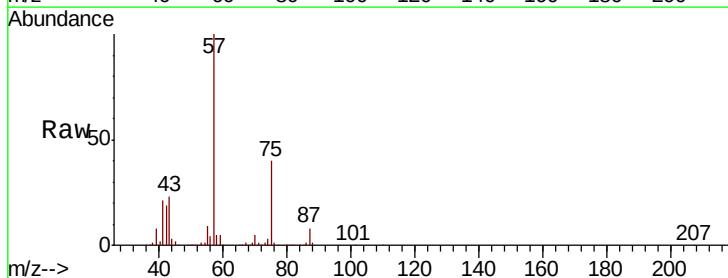
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

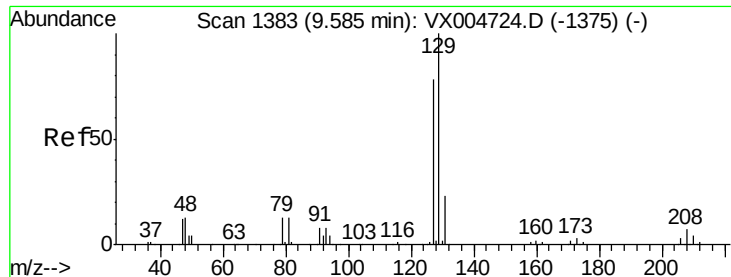
Tot Ion: 63 Resp: 49
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#59
 2-Hexanone
 Concen: 3.240 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. 0.05 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 14032
 Ion Ratio Lower Upper
 43 100
 58 19.9 29.0 87.0#

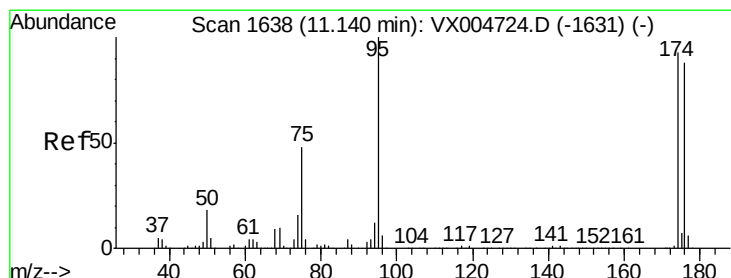
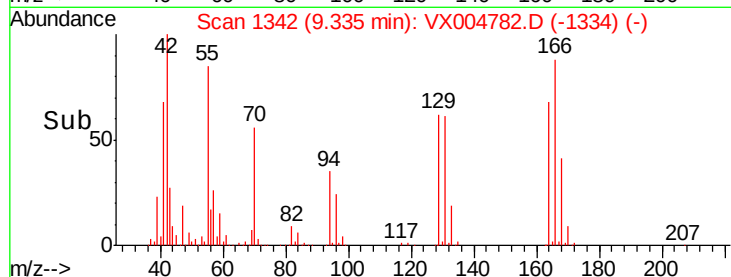
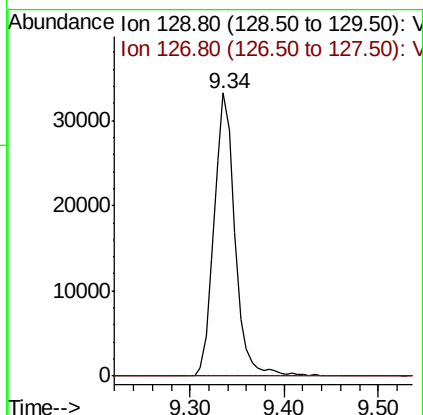
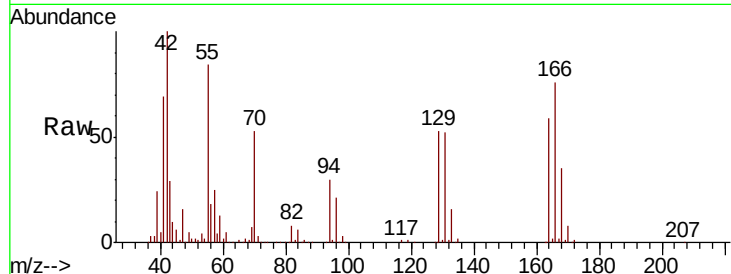




#60
 Dibromochloromethane
 Concen: 15.758 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

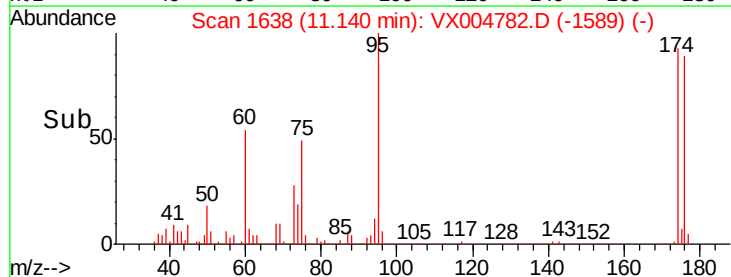
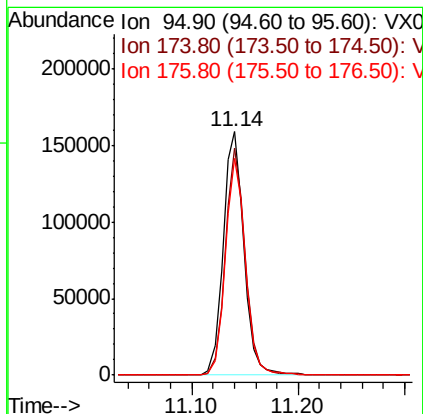
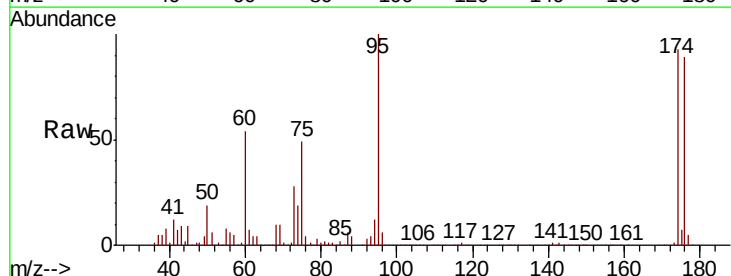
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-57-SEP18

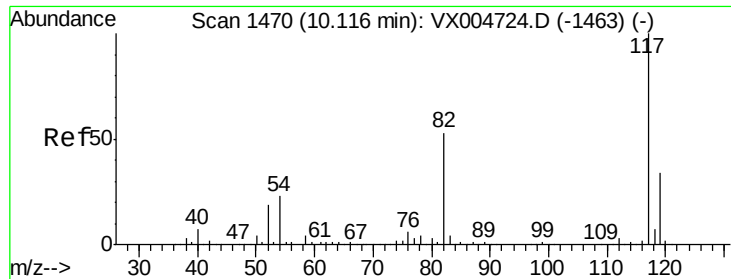
Tot Ion:129 Resp: 51166
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 56.882 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004782.D
 Acq: 27 Sep 2018 18:50

Tgt Ion: 95 Resp: 215140
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 185.2
 176 86.9 0.0 178.6

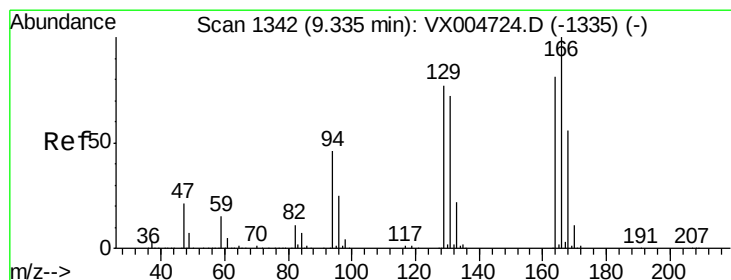
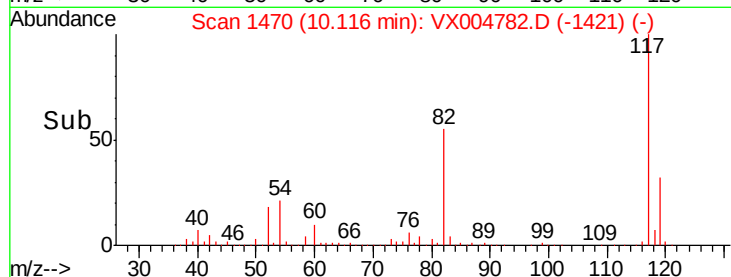
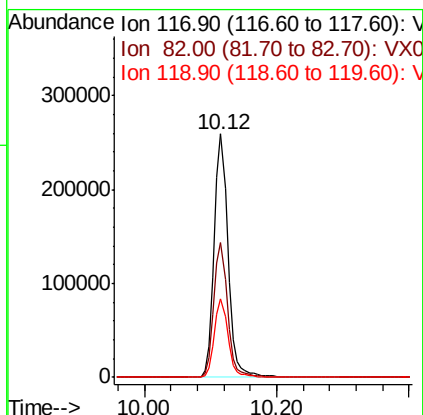
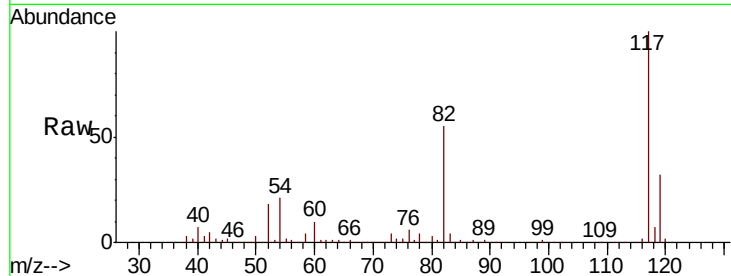




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

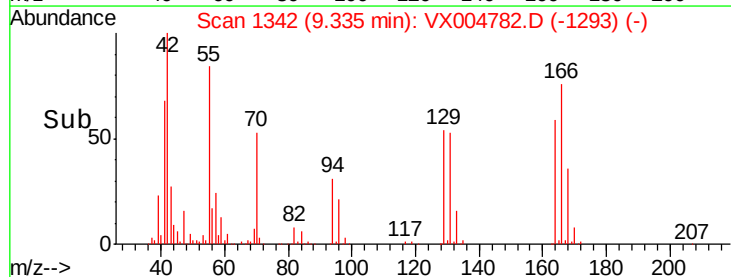
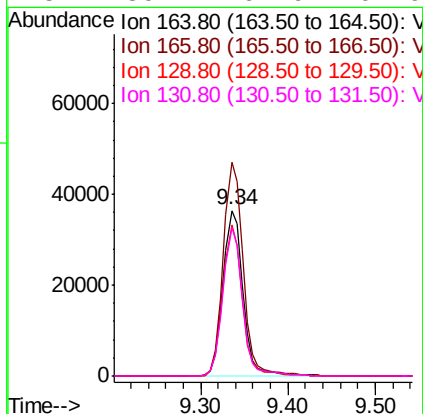
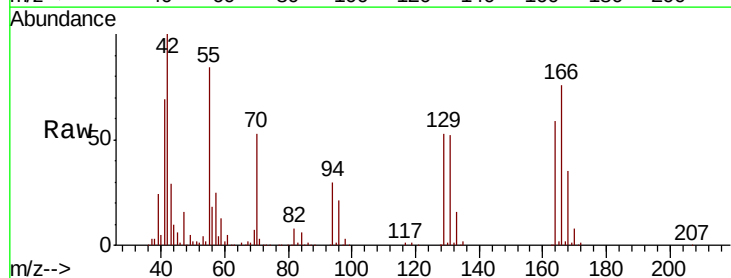
Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

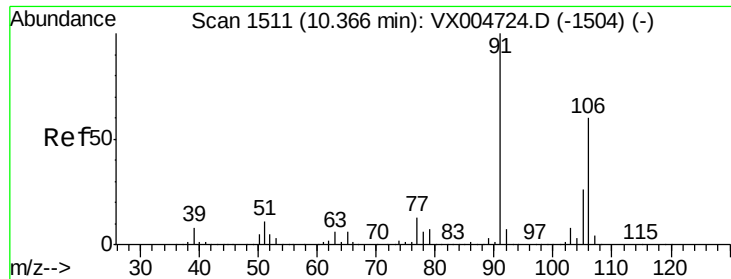
Tot Ion:117 Resp: 374020
Ion Ratio Lower Upper
117 100
82 55.4 47.8 71.6
119 32.0 29.3 43.9



#64
Tetrachloroethene
Concen: 15.723 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion:164 Resp: 57879
Ion Ratio Lower Upper
164 100
166 129.1 102.8 154.2
129 91.1 69.4 104.0
131 89.4 67.9 101.9





#68

m/p-Xylenes

Concen: 0.392 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

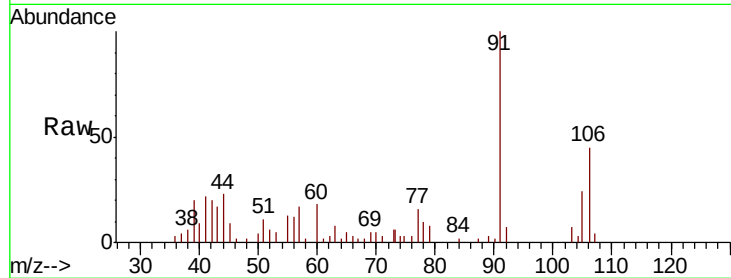
MW-57-SEP18

Tot Ion:106 Resp: 2335

Ion Ratio Lower Upper

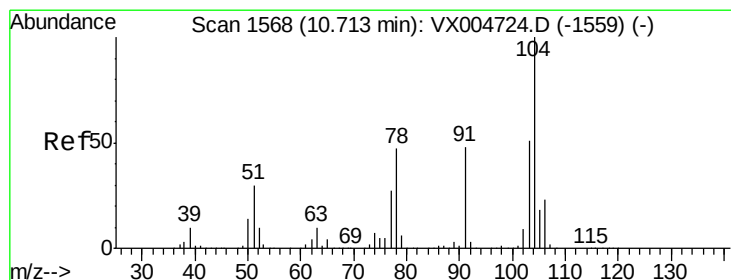
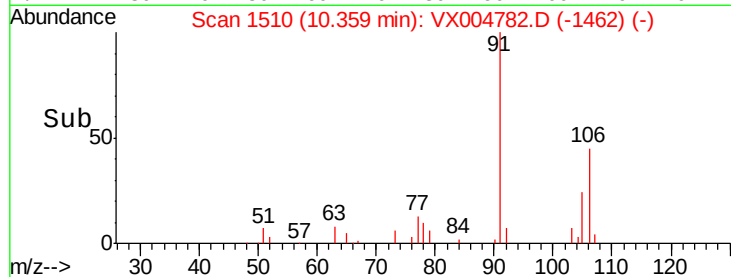
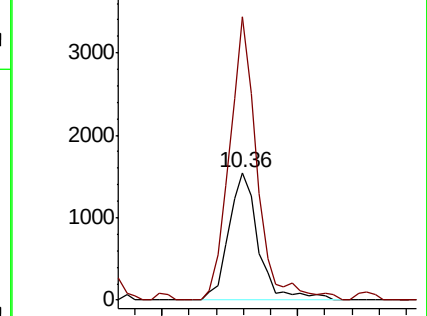
106 100

91 207.4 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 2.210 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

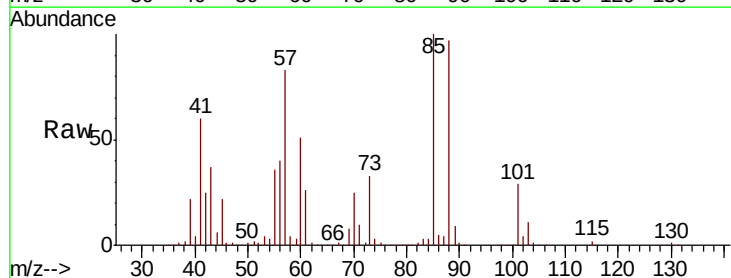
Tgt Ion:104 Resp: 741

Ion Ratio Lower Upper

104 100

78 0.0 37.4 56.0#

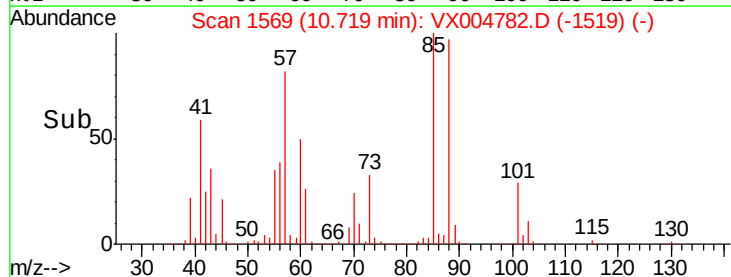
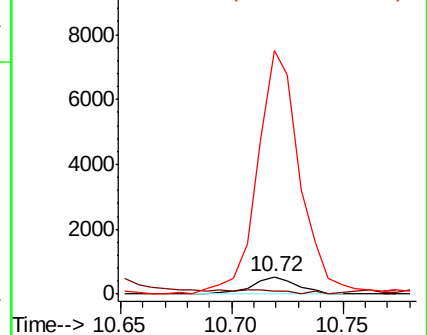
103 1376.8 43.8 65.6#

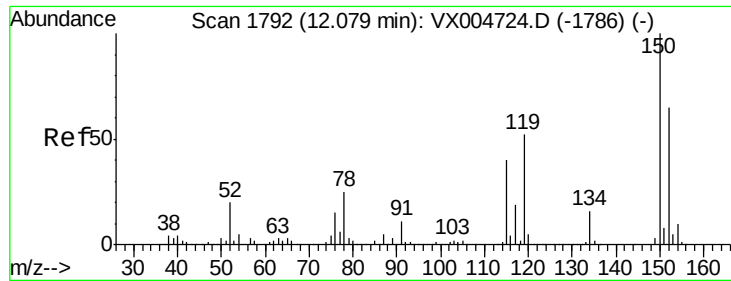


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



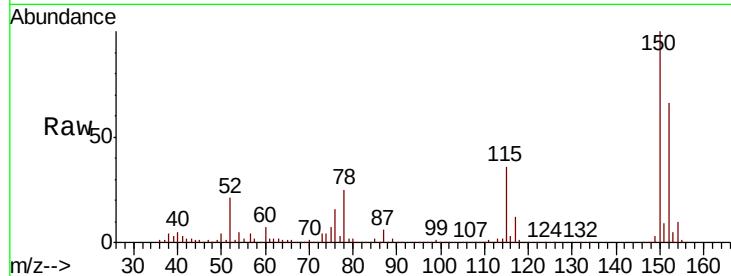


#72

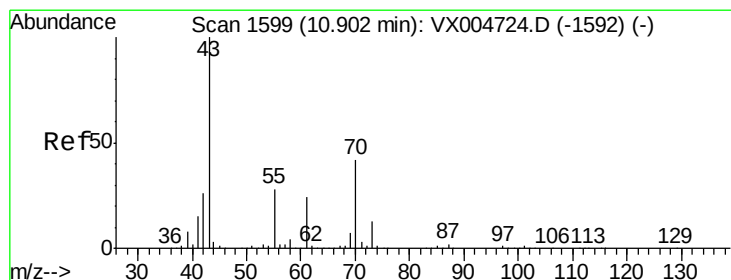
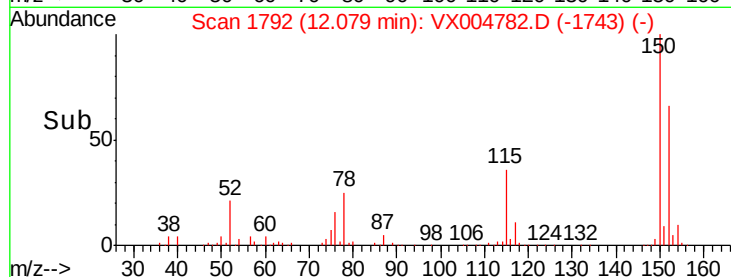
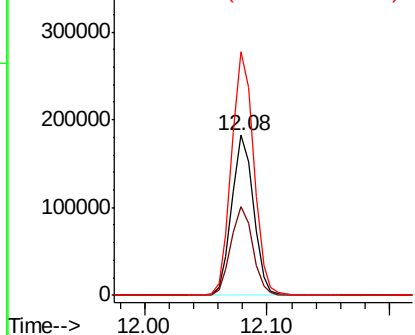
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Instrument :
MSVOA_X
ClientSampleId :
MW-57-SEP18

Tot Ion:152 Resp: 223061
Ion Ratio Lower Upper
152 100
115 56.0 39.0 117.0
150 155.2 0.0 351.0



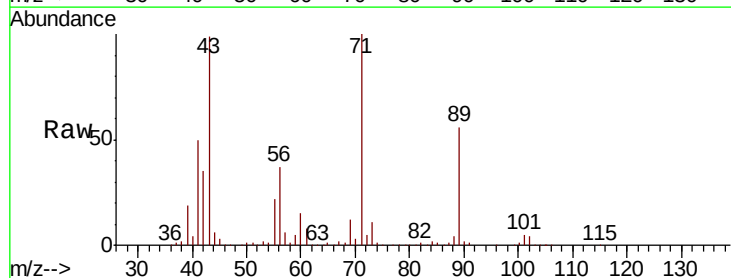
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



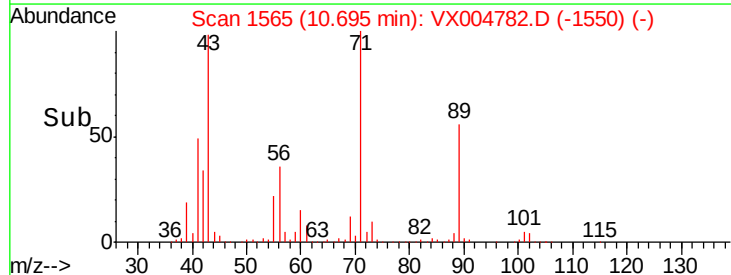
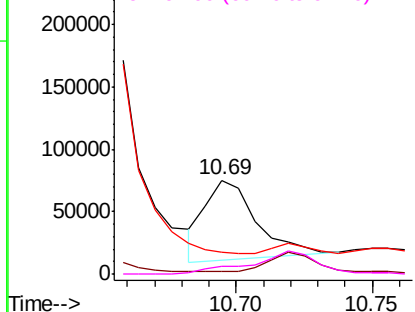
#74

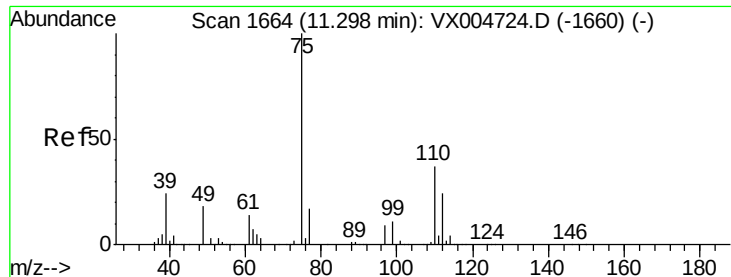
N-ethyl acetate
Concen: 12.311 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.21 min
Lab File: VX004782.D
Acq: 27 Sep 2018 18:50

Tgt Ion: 43 Resp: 84587
Ion Ratio Lower Upper
43 100
70 0.0 37.4 56.0#
55 0.0 21.8 32.8#
61 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 21.610 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

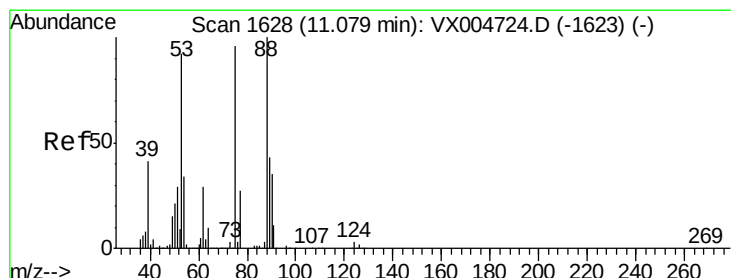
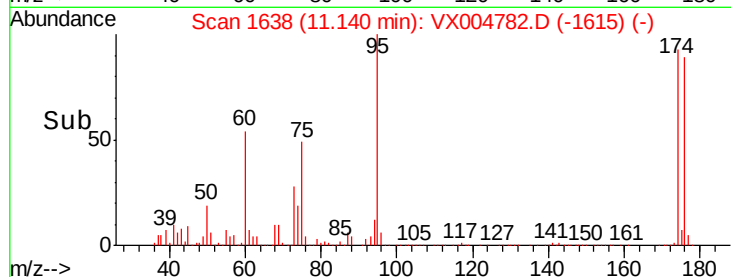
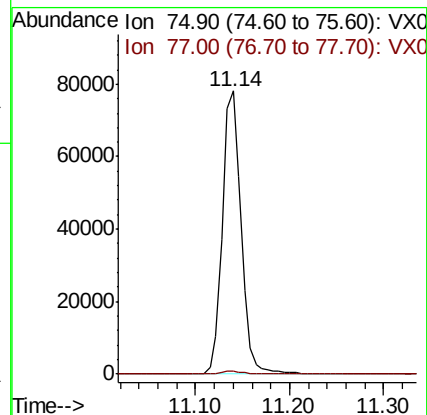
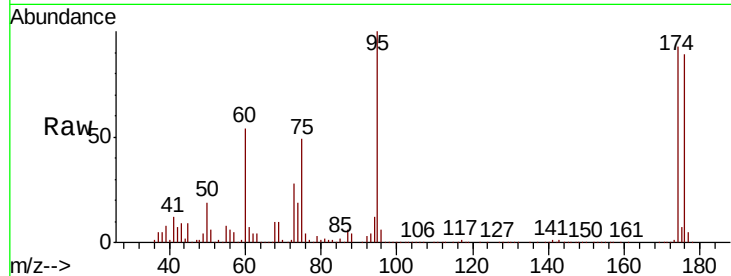
MW-57-SEP18

Tot Ion: 75 Resp: 108041

Ion Ratio Lower Upper

75 100

77 1.5 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.583 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

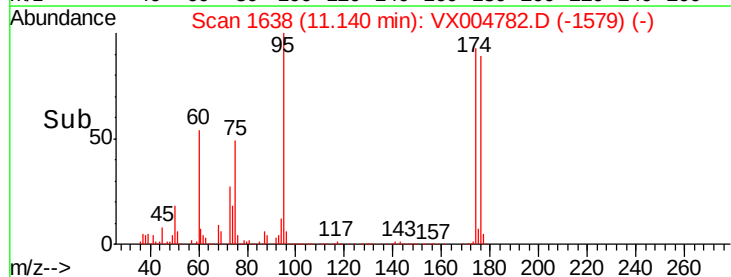
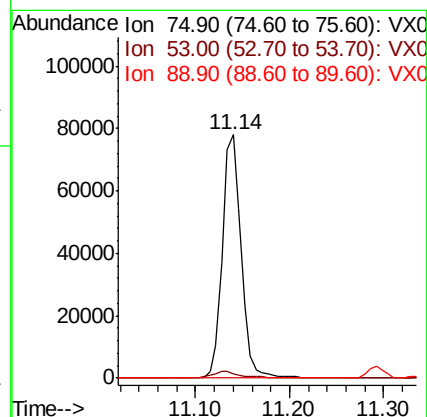
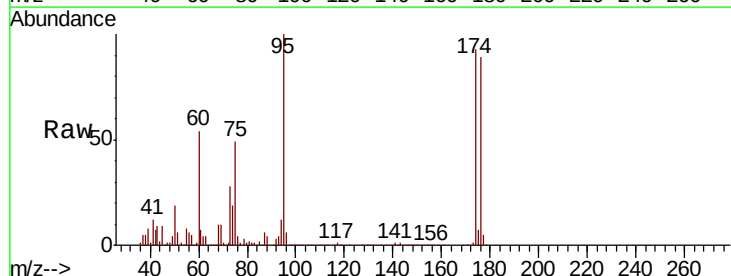
Tgt Ion: 75 Resp: 108041

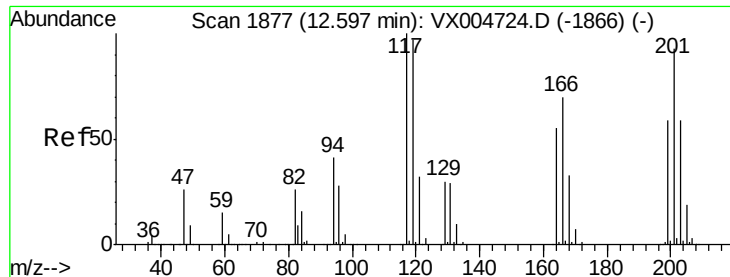
Ion Ratio Lower Upper

75 100

53 3.5 80.1 120.1#

89 0.0 37.2 55.8#





#90

Hexachloroethane

Concen: 18.014 ug/l

RT: 12.66 min Scan# 1887

Delta R.T. 0.06 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

Instrument :

MSVOA_X

ClientSampleId :

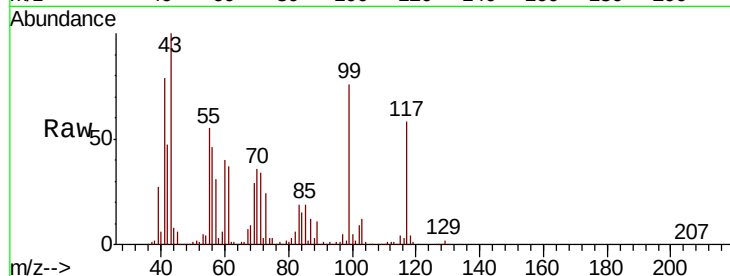
MW-57-SEP18

Tot Ion:117 Resp: 38315

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.66

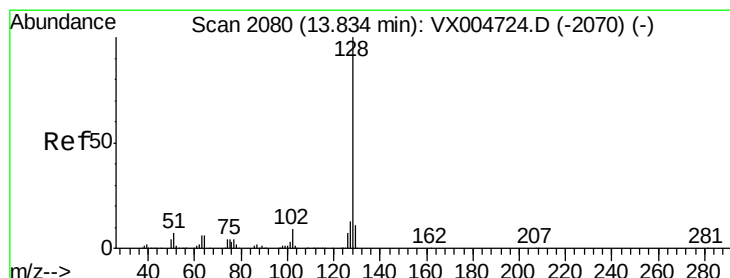
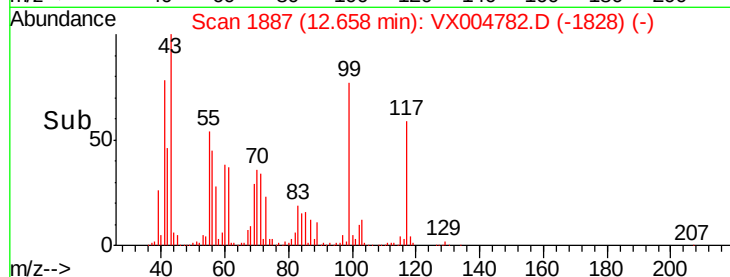
30000

20000

10000

0

Time-->



#95

Naphthalene

Concen: 1.068 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004782.D

Acq: 27 Sep 2018 18:50

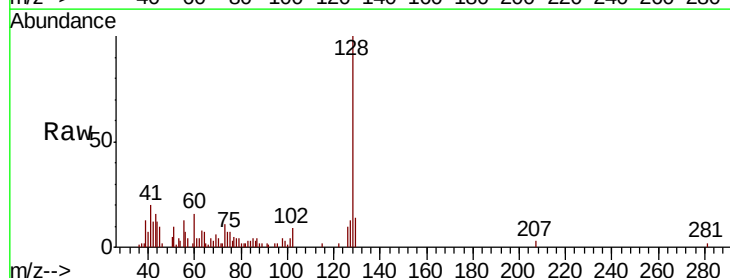
Tgt Ion:128 Resp: 6556

Ion Ratio Lower Upper

128 100

127 14.4 10.2 15.2

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

6000

4000

2000

0

Time-->

