

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011115.D
 Acq On : 27 Jul 2019 01:56
 Operator : JC/SP
 Sample : K4017-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0101

Quant Time: Jul 27 04:27:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	190671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135377	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	105814	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	5.50	113	96531	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	371273	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	11.13	95	130000	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	

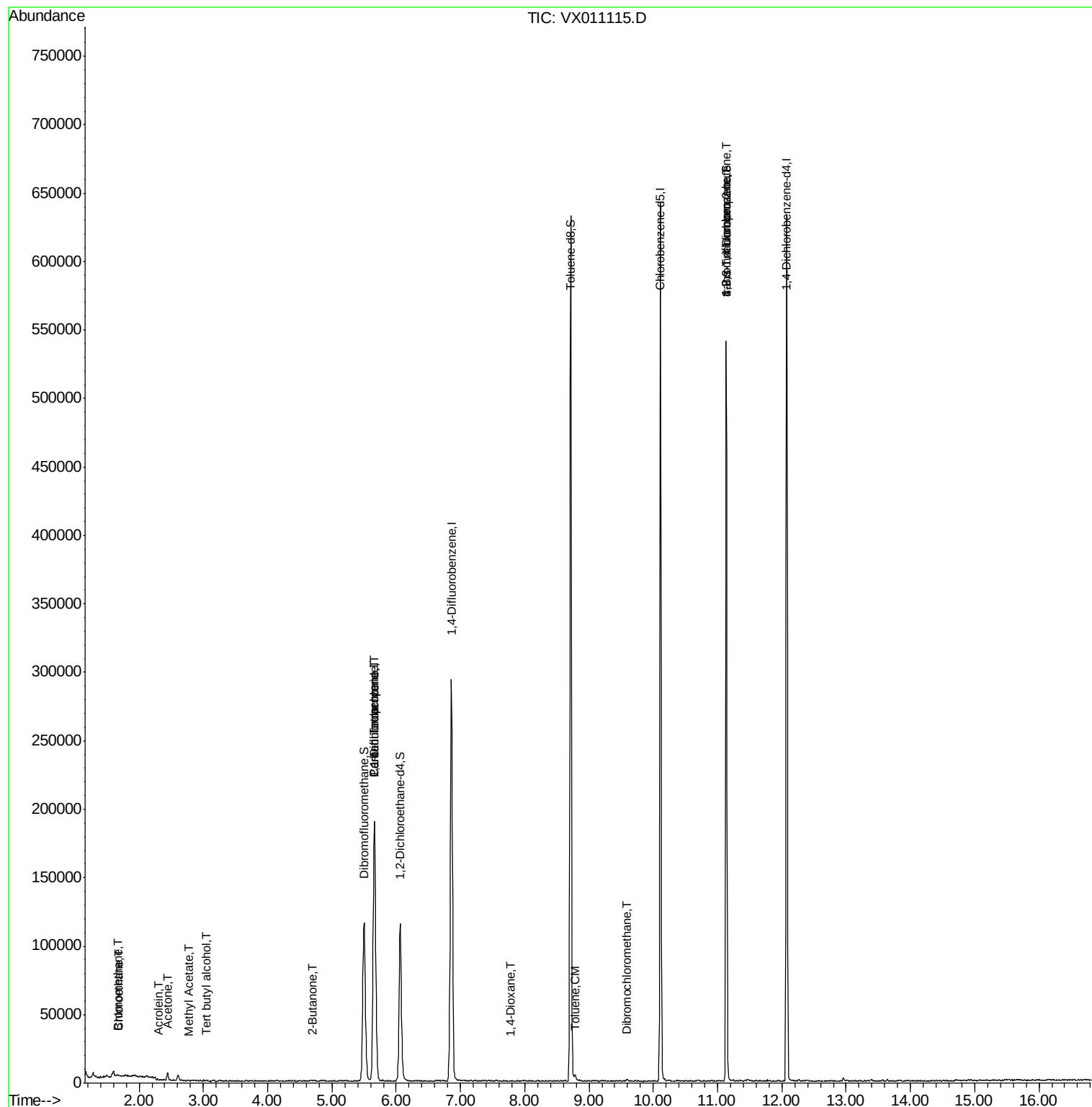
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	681	0.676	ug/l	94
6) Chloroethane	1.68	64	299	0.263	ug/l #	57
11) Tert butyl alcohol	3.04	59	487	1.031	ug/l #	86
13) Acrolein	2.30	56	271	0.993	ug/l #	79
16) Acetone	2.44	43	5880	6.418	ug/l	99
18) Methyl Acetate	2.78	43	509	0.244	ug/l	93
25) 2-Butanone	4.69	43	841	0.639	ug/l #	63
36) 1,1-Dichloropropene	5.66	75	12896	5.078	ug/l #	49
38) Carbon Tetrachloride	5.66	117	17726	6.698	ug/l #	16
49) 1,4-Dioxane	7.78	88	27	0.463	ug/l #	1
52) Toluene	8.78	92	1594	0.312	ug/l	84
60) Dibromochloromethane	9.60	129	21	2.536	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	65845	26.953	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	65845	66.832	ug/l #	11

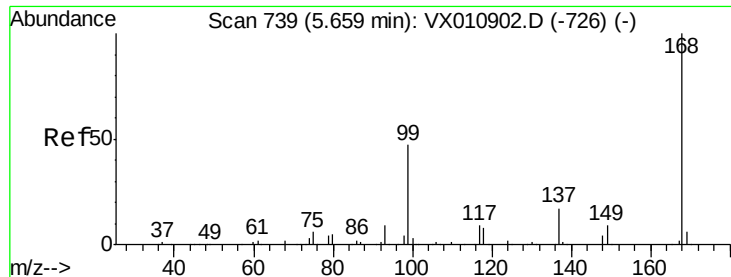
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 04:27:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

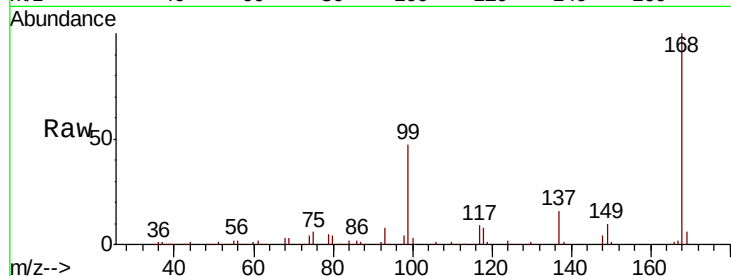
SU19-MSW0101

Tot Ion:168 Resp: 190671

Ion Ratio Lower Upper

168 100

99 47.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

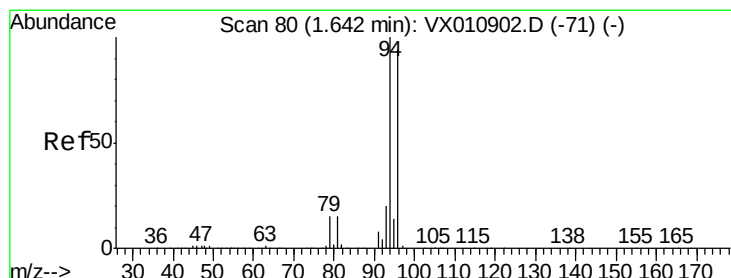
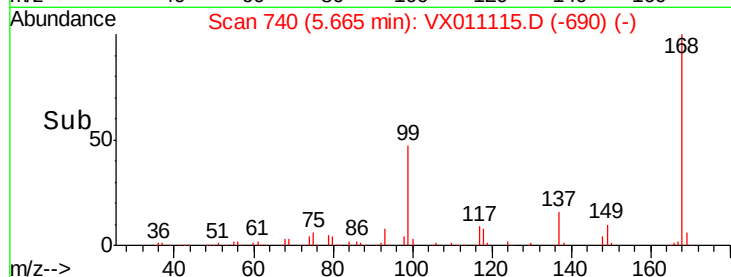
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.676 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011115.D

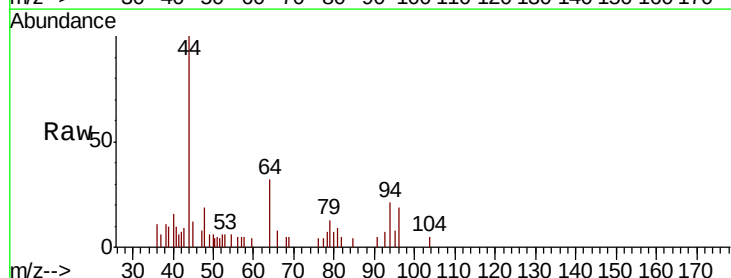
Acq: 27 Jul 2019 01:56

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 88.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

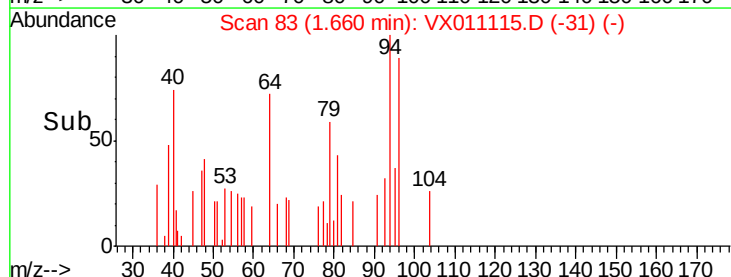
200

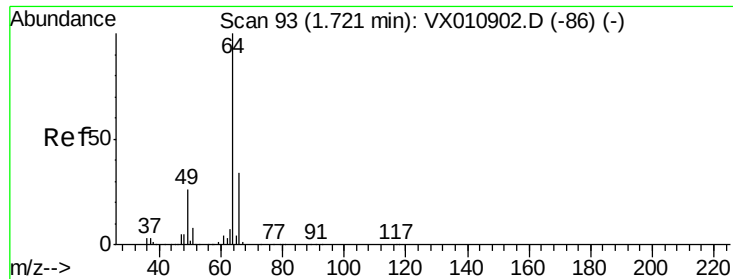
100

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.263 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

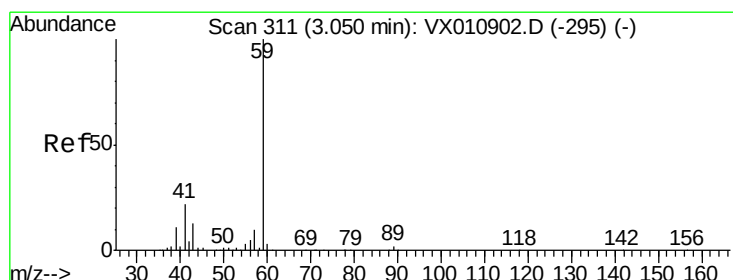
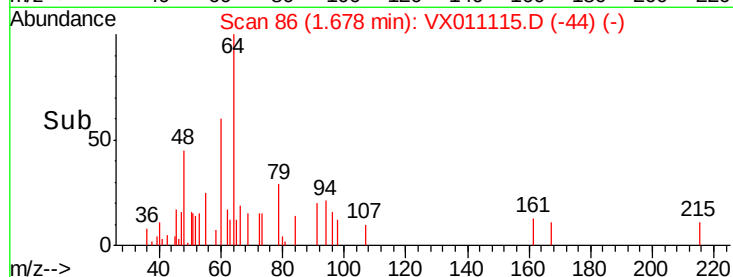
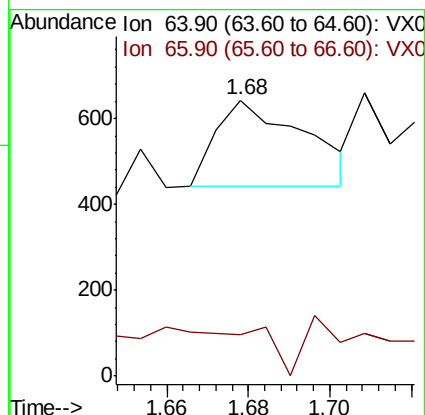
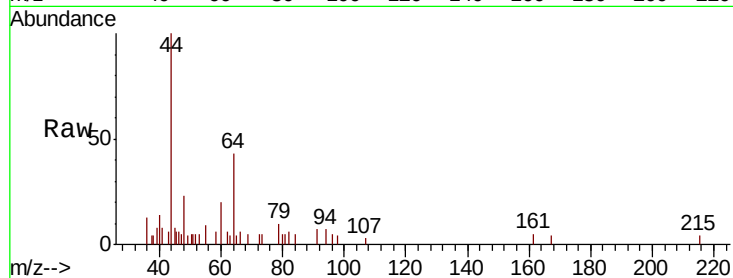
SU19-MSW0101

Tot Ion: 64 Resp: 299

Ion Ratio Lower Upper

64 100

66 9.0 27.0 40.6#



#11

Tert butyl alcohol

Concen: 1.031 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX011115.D

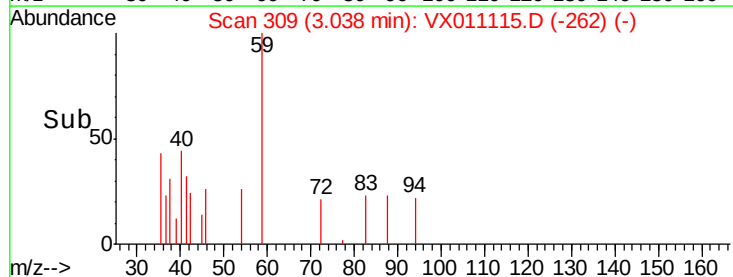
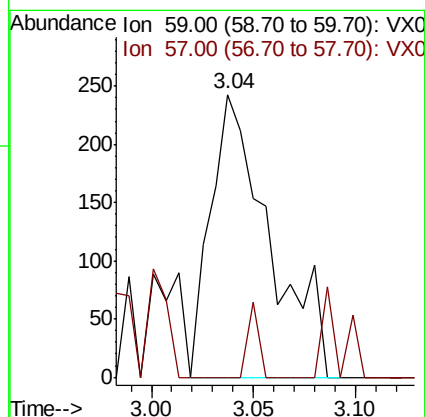
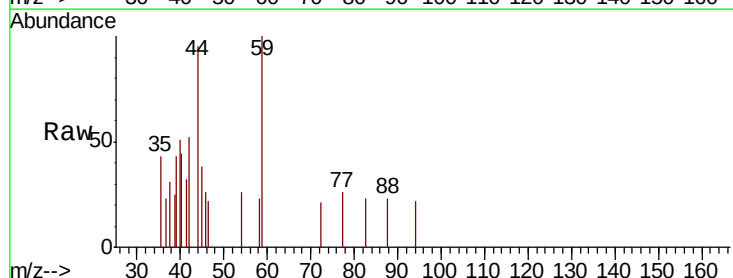
Acq: 27 Jul 2019 01:56

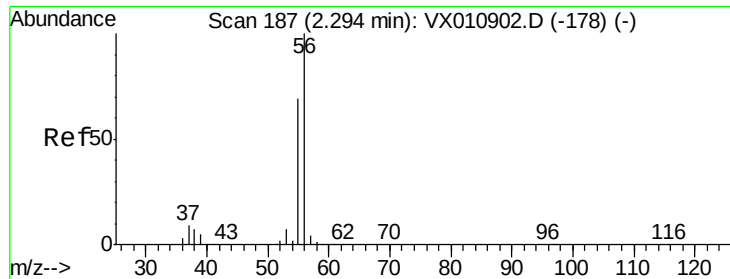
Tgt Ion: 59 Resp: 487

Ion Ratio Lower Upper

59 100

57 4.7 7.9 11.9#





#13

Acrolein

Concen: 0.993 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

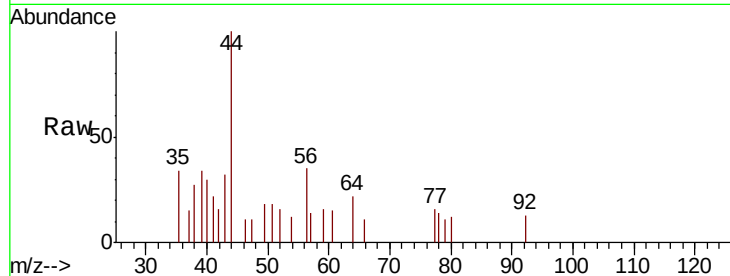
SU19-MSW0101

Tot Ion: 56 Resp: 271

Ion Ratio Lower Upper

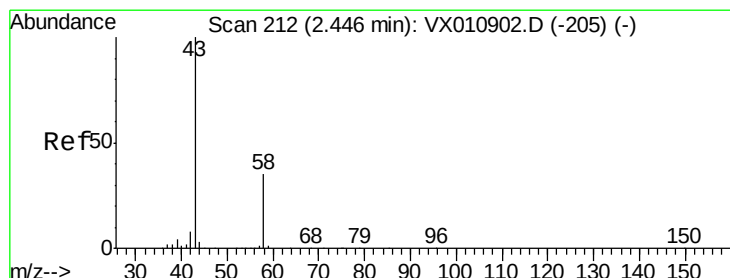
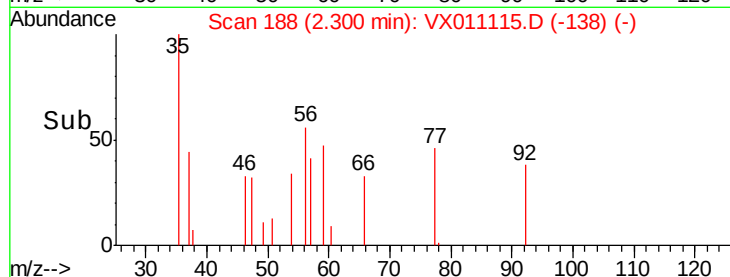
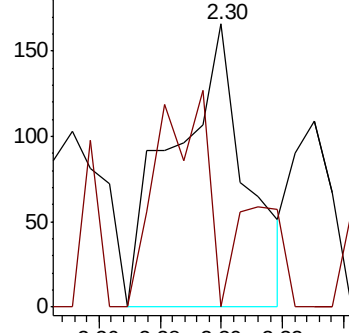
56 100

55 52.4 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.418 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011115.D

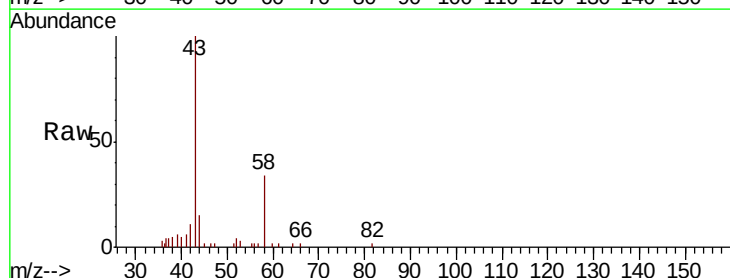
Acq: 27 Jul 2019 01:56

Tgt Ion: 43 Resp: 5880

Ion Ratio Lower Upper

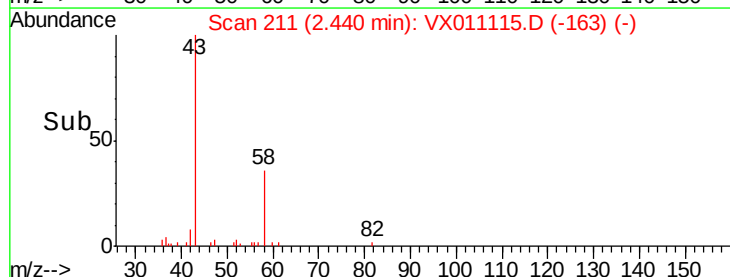
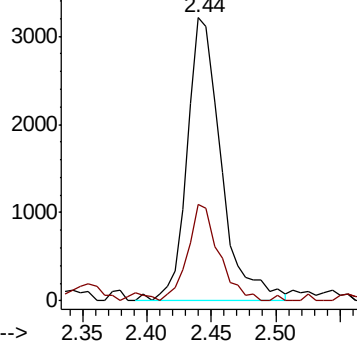
43 100

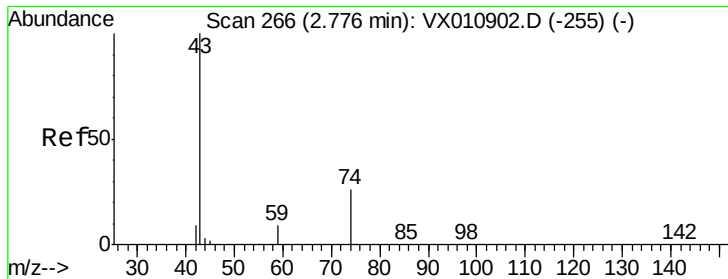
58 34.3 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

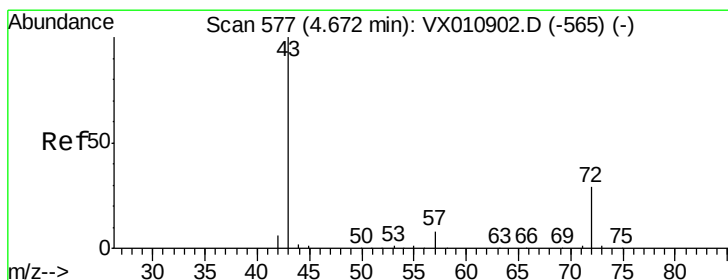
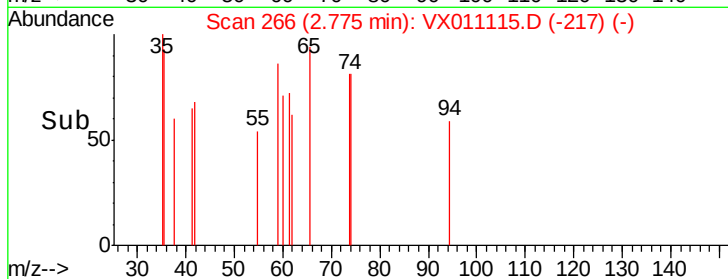
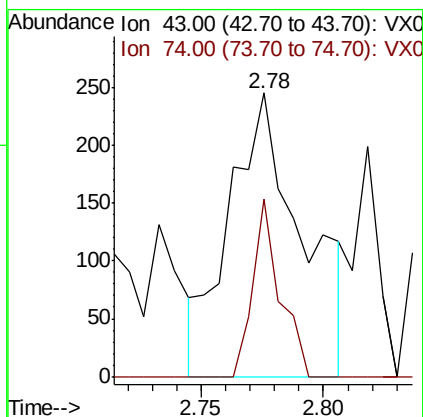
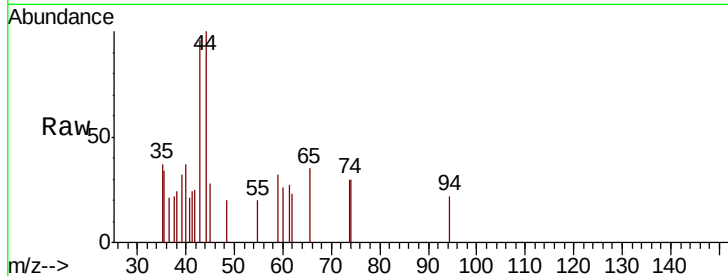




#18
Methvl Acetate
Concen: 0.244 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

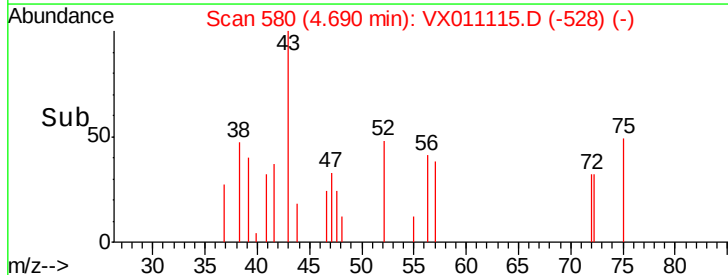
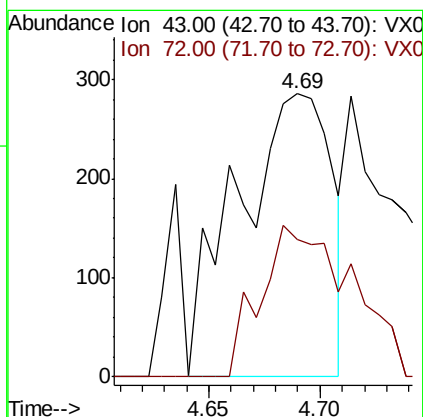
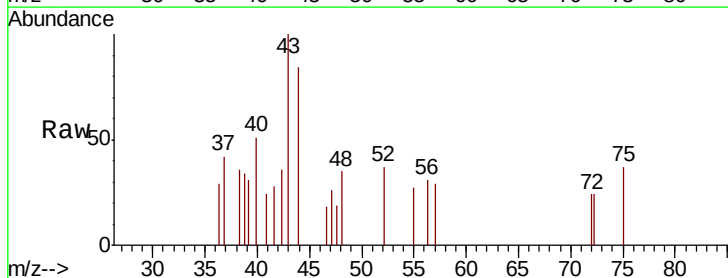
Instrument :
MSVOA_X
ClientSampled :
SU19-MSW0101

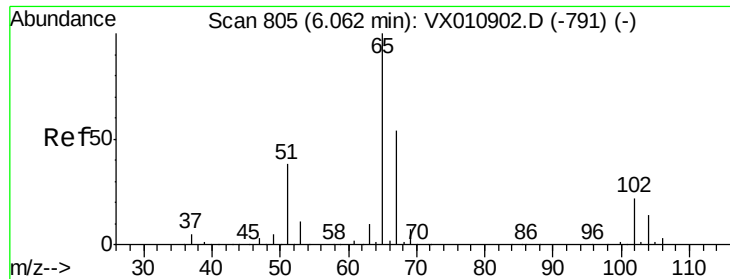
Tot Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
74 23.4 21.5 32.3



#25
2-Butanone
Concen: 0.639 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
72 48.3 23.0 34.6#

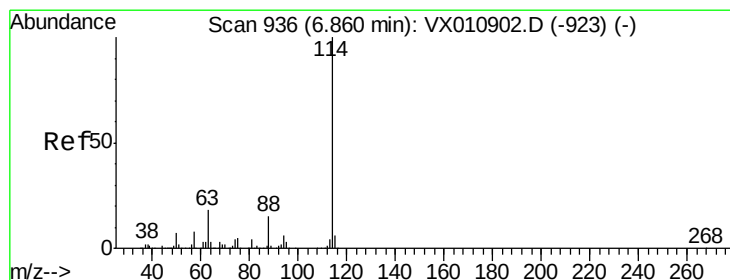
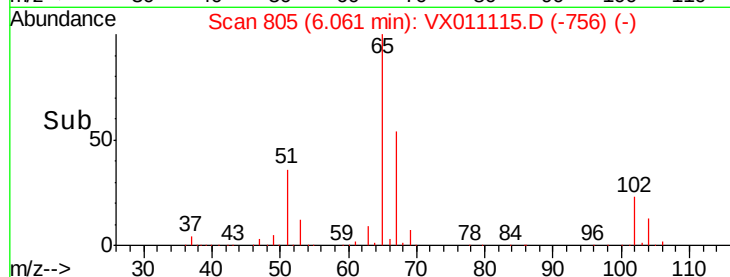
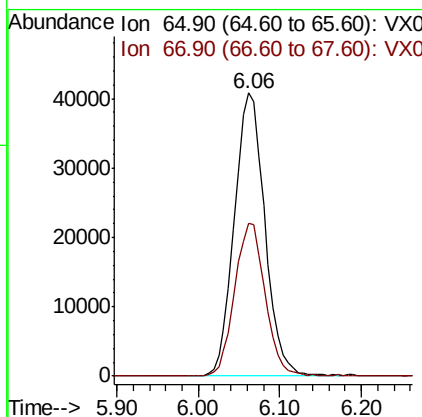
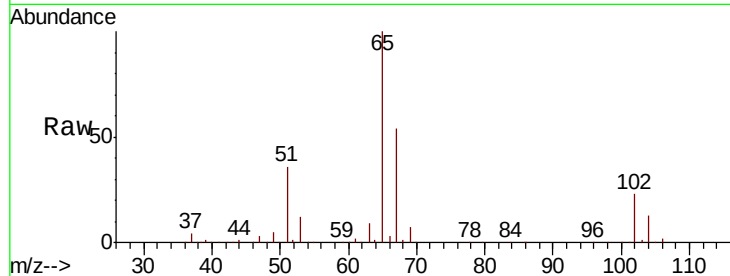




#33
 1,2-Dichloroethane-d4
 Concen: 52.165 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011115.D
 Acq: 27 Jul 2019 01:56

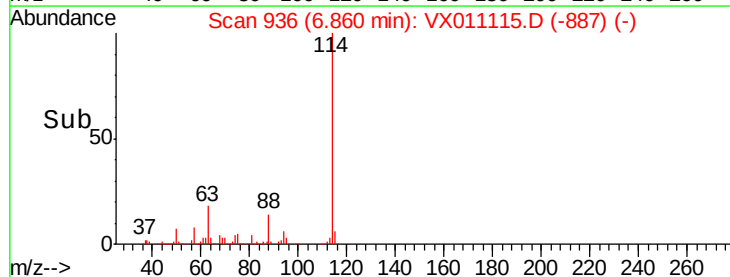
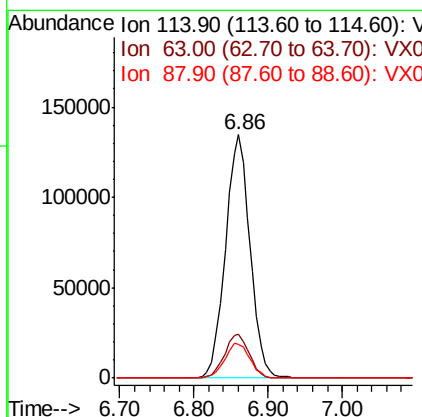
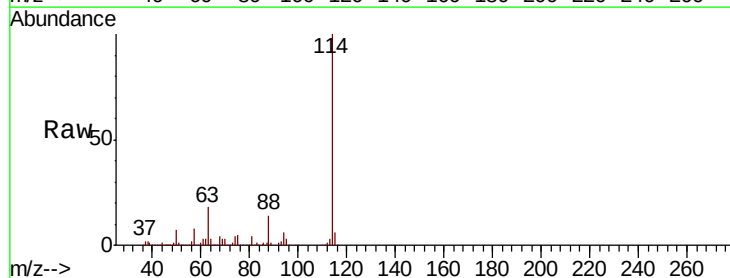
Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0101

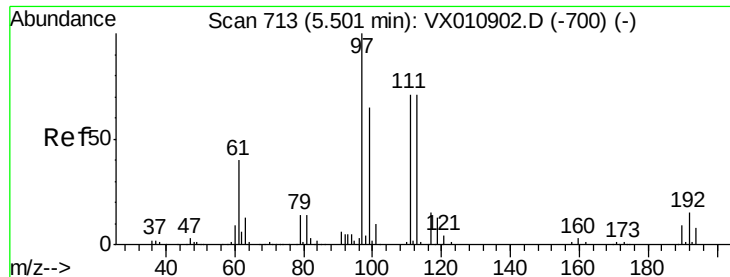
Tot Ion: 65 Resp: 105814
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011115.D
 Acq: 27 Jul 2019 01:56

Tgt Ion: 114 Resp: 309167
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.6
 88 14.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.192 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0101

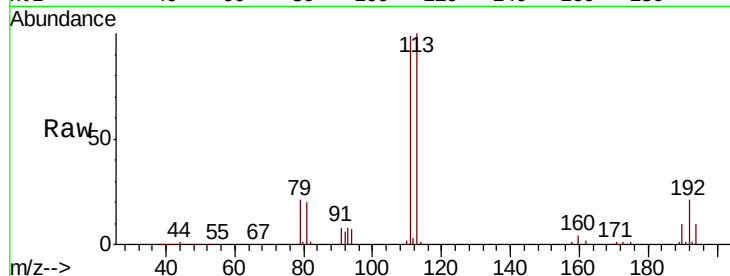
Tot Ion:113 Resp: 96531

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

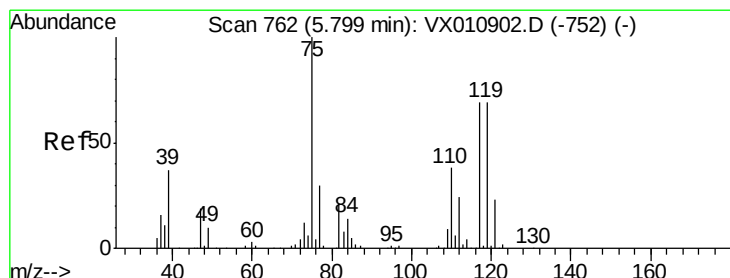
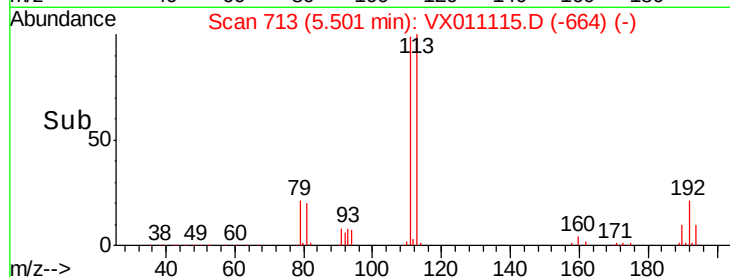
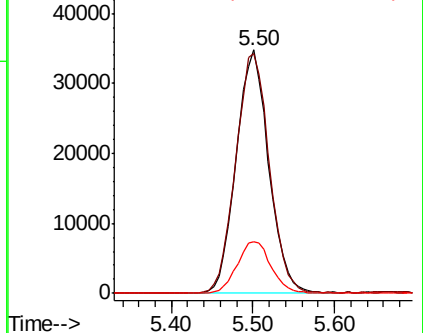
192 22.1 17.4 26.2



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: 5.078 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

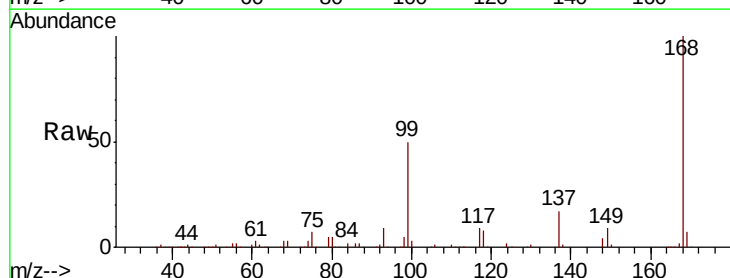
Tgt Ion: 75 Resp: 12896

Ion Ratio Lower Upper

75 100

110 11.3 19.9 59.7#

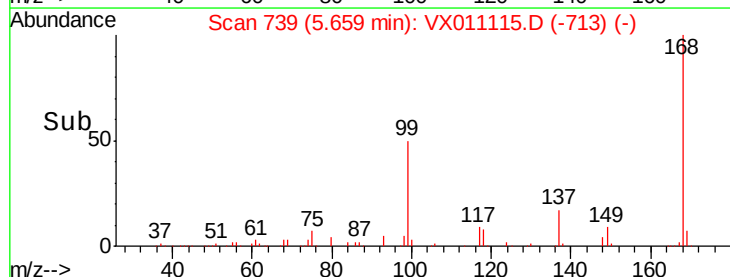
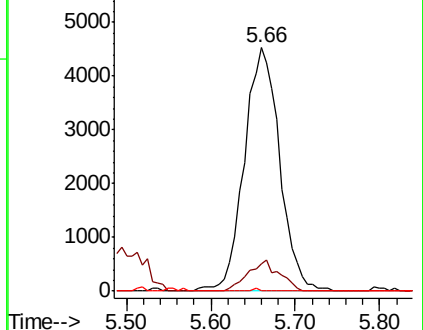
77 0.2 25.0 37.4#

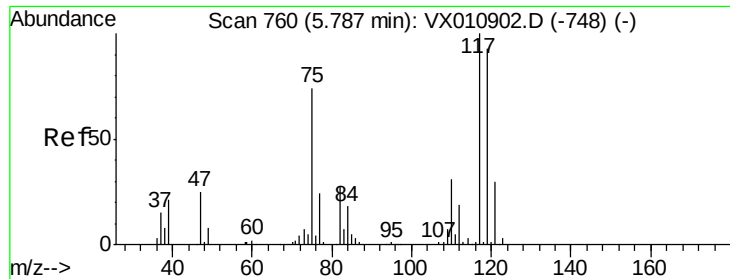


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.698 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0101

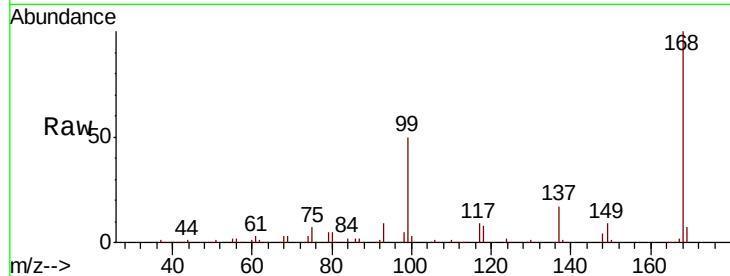
Tot Ion:117 Resp: 17726

Ion Ratio Lower Upper

117 100

119 4.0 74.2 111.2#

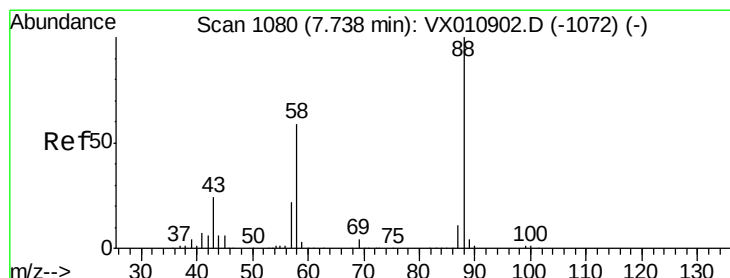
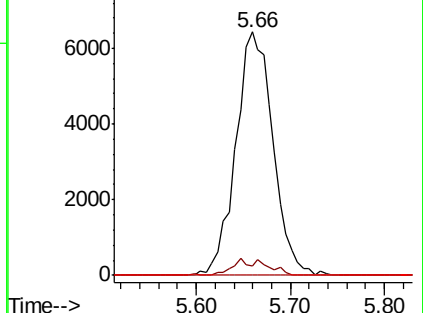
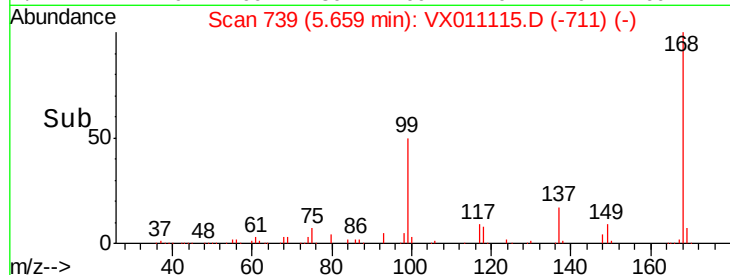
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 0.463 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.04 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

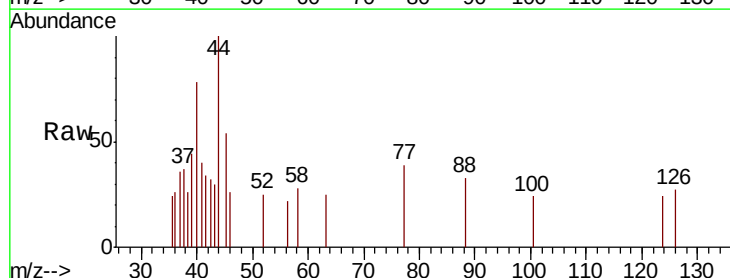
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 111.1 22.9 34.3#

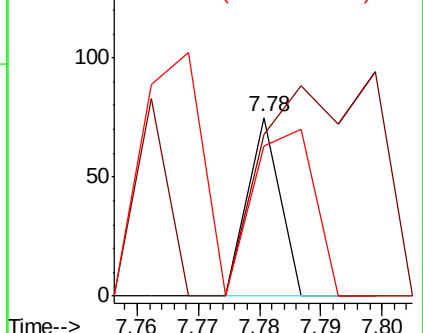
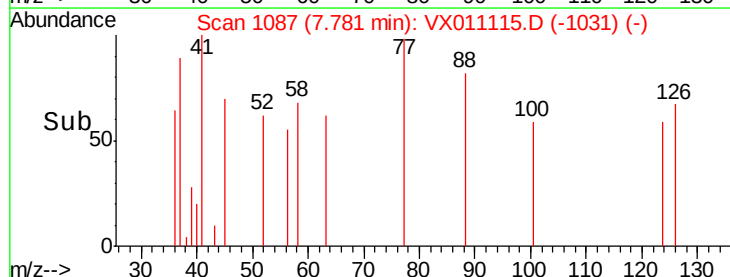
58 259.3 49.8 74.8#

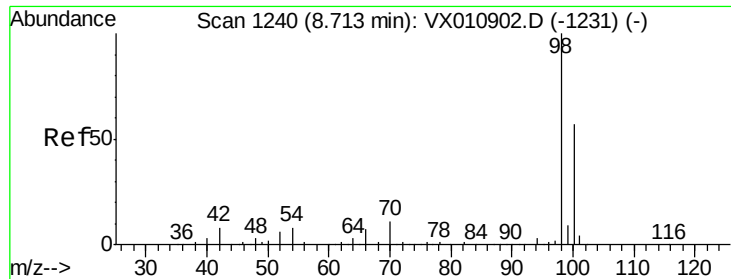


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

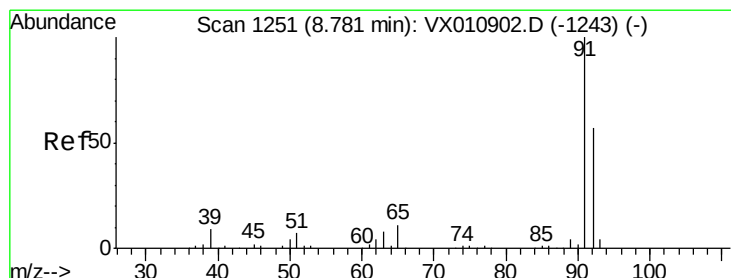
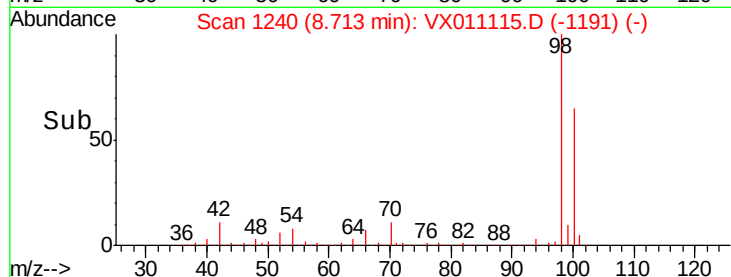
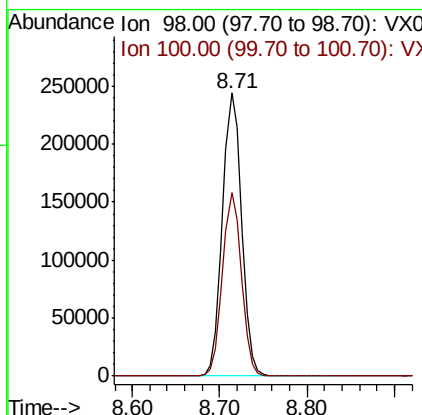
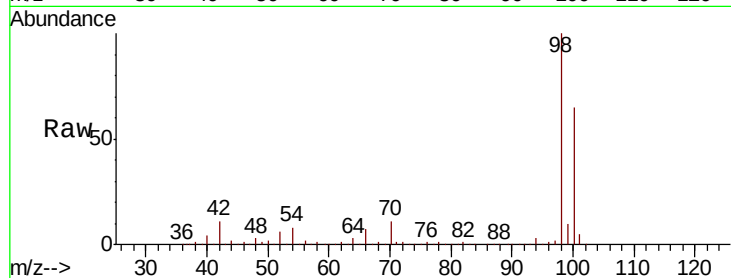




#50
Toluene-d8
Concen: 50.444 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

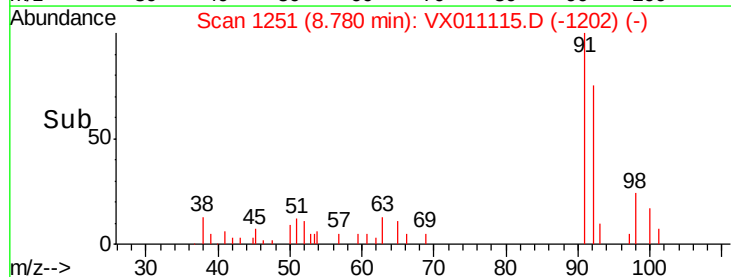
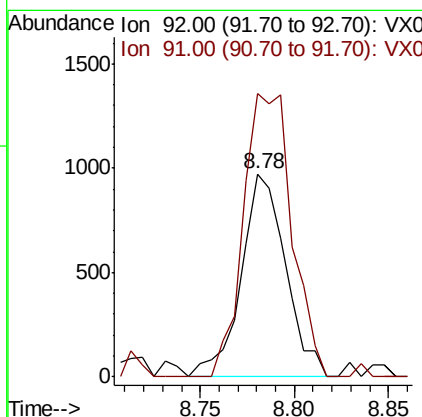
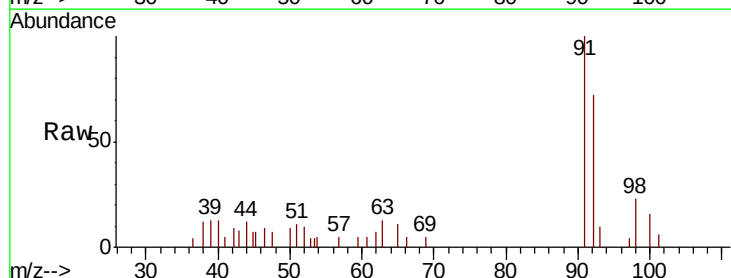
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0101

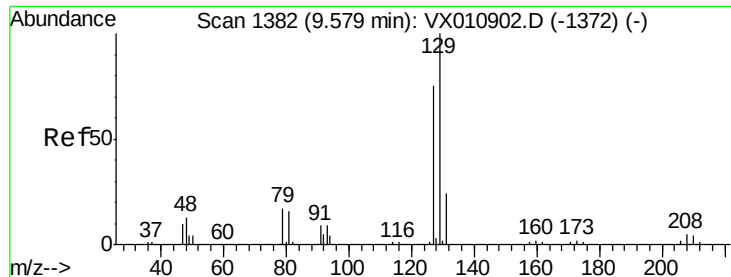
Tot Ion: 98 Resp: 371273
Ion Ratio Lower Upper
98 100
100 63.9 50.6 75.8



#52
Toluene
Concen: 0.312 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

Tgt Ion: 92 Resp: 1594
Ion Ratio Lower Upper
92 100
91 152.3 139.4 209.0





#60

Dibromochloromethane

Concen: 2.536 ug/l

RT: 9.60 min Scan# 1385

Delta R.T. 0.02 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

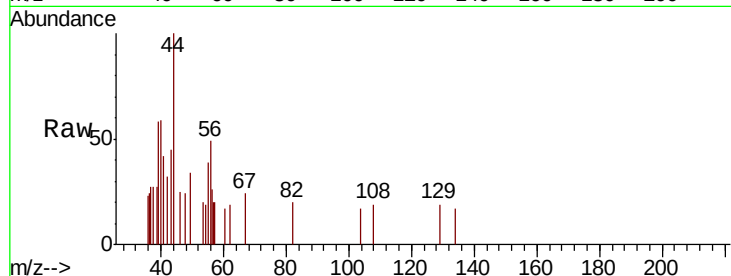
SU19-MSW0101

Tot Ion:129 Resp: 21

Ion Ratio Lower Upper

129 100

127 95.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.60

60

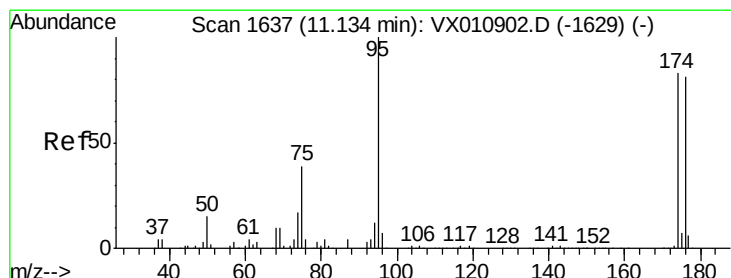
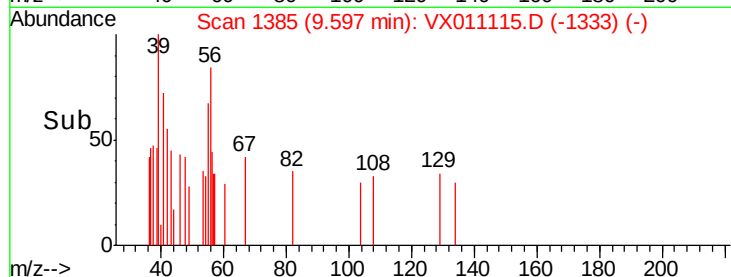
40

20

0

9.58 9.59 9.60 9.61

Time-->



#62

4-Bromofluorobenzene

Concen: 48.053 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

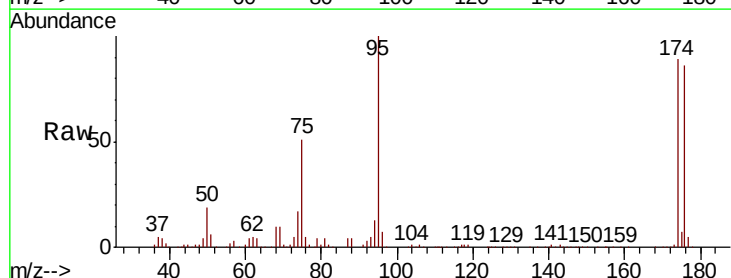
Tgt Ion: 95 Resp: 130000

Ion Ratio Lower Upper

95 100

174 91.8 0.0 180.6

176 88.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

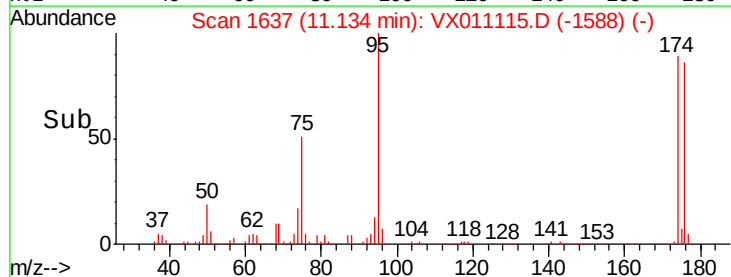
100000

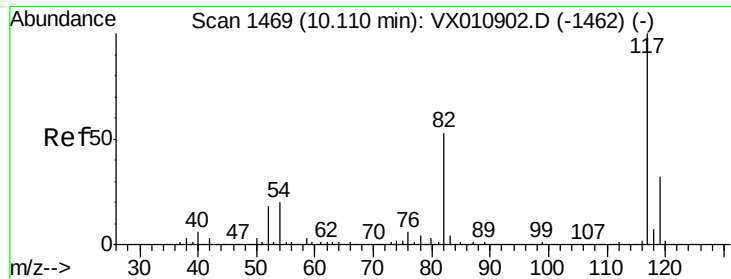
50000

0

11.10 11.20

Time-->

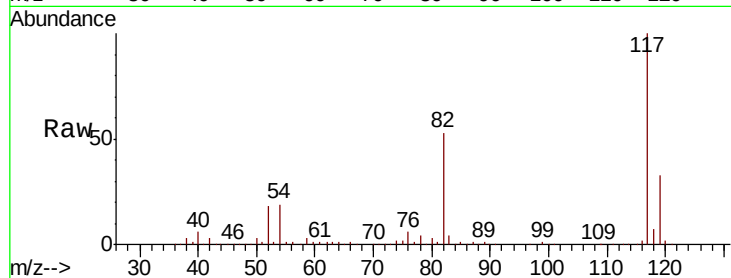




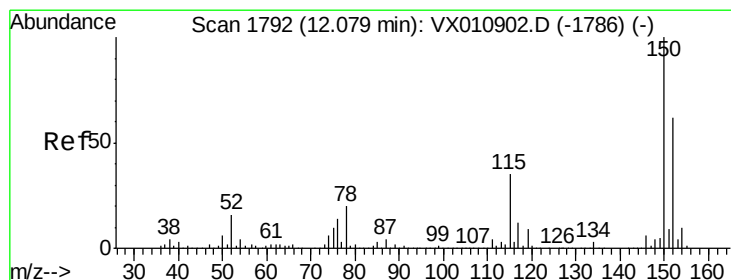
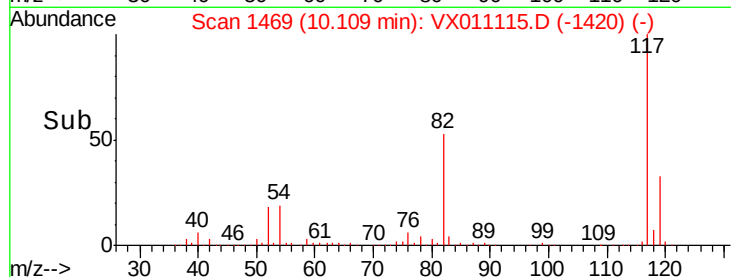
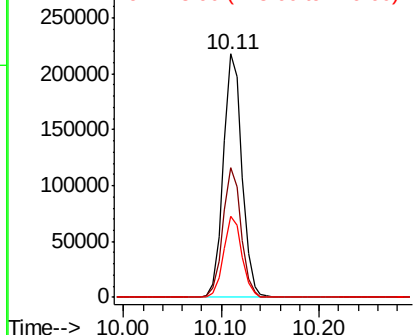
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0101

Tot Ion:117 Resp: 287809
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 33.0 25.9 38.9

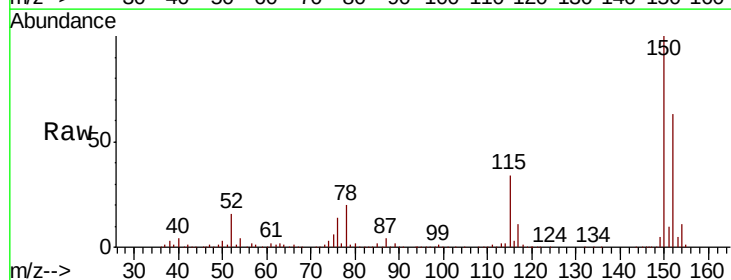


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

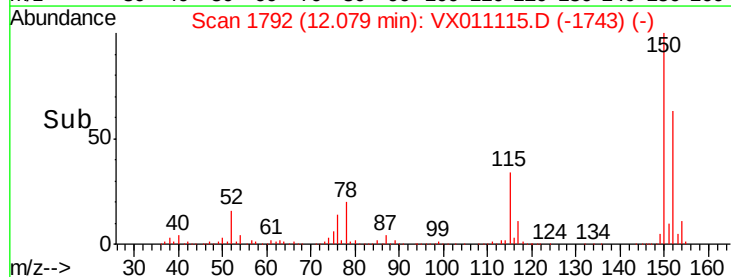
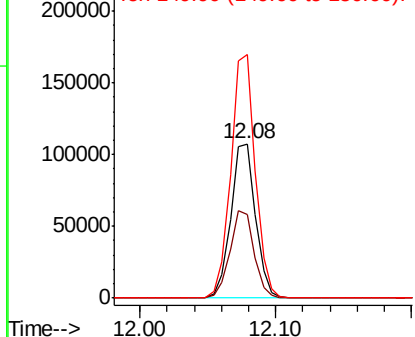


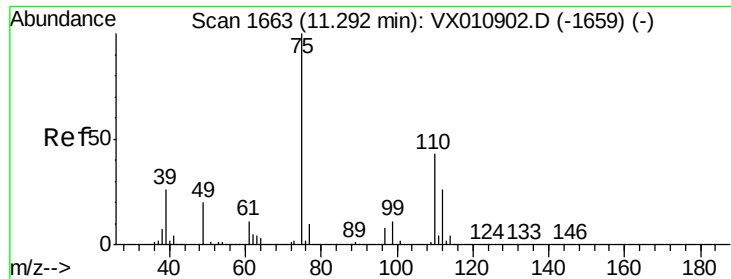
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011115.D
Acq: 27 Jul 2019 01:56

Tgt Ion:152 Resp: 135377
Ion Ratio Lower Upper
152 100
115 55.2 39.7 119.1
150 156.1 0.0 345.6



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: 26.953 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Instrument :

MSVOA_X

ClientSampleId :

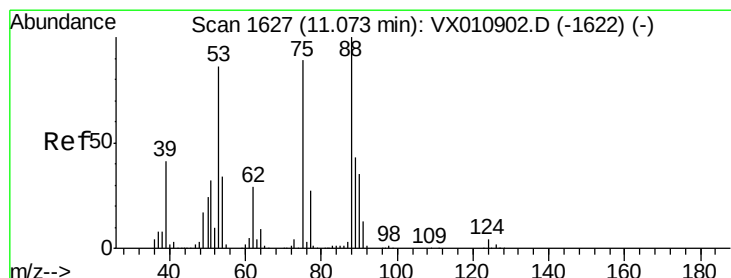
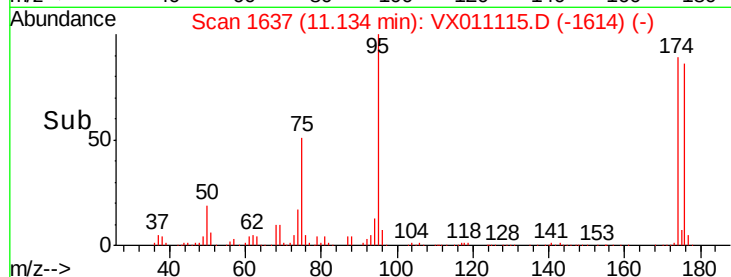
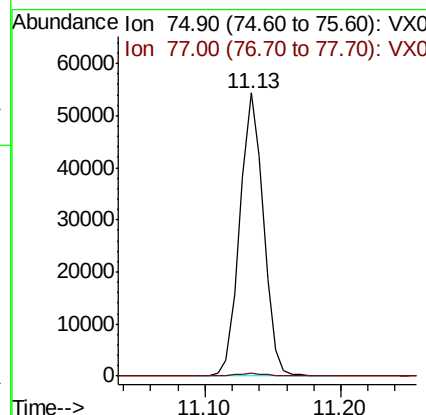
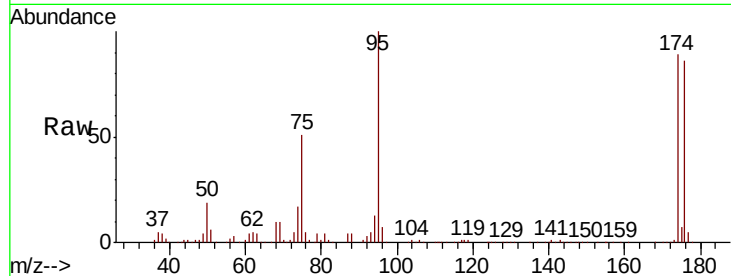
SU19-MSW0101

Tot Ion: 75 Resp: 65845

Ion Ratio Lower Upper

75 100

77 1.3 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.832 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011115.D

Acq: 27 Jul 2019 01:56

Tgt Ion: 75 Resp: 65845

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#

