

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011114.D
 Acq On : 27 Jul 2019 01:33
 Operator : JC/SP
 Sample : K4017-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0107

Quant Time: Jul 27 04:27:22 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	5.66	168	192191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	133975	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	106101	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	5.49	113	96104	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.71	98	368404	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	11.13	95	130881	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

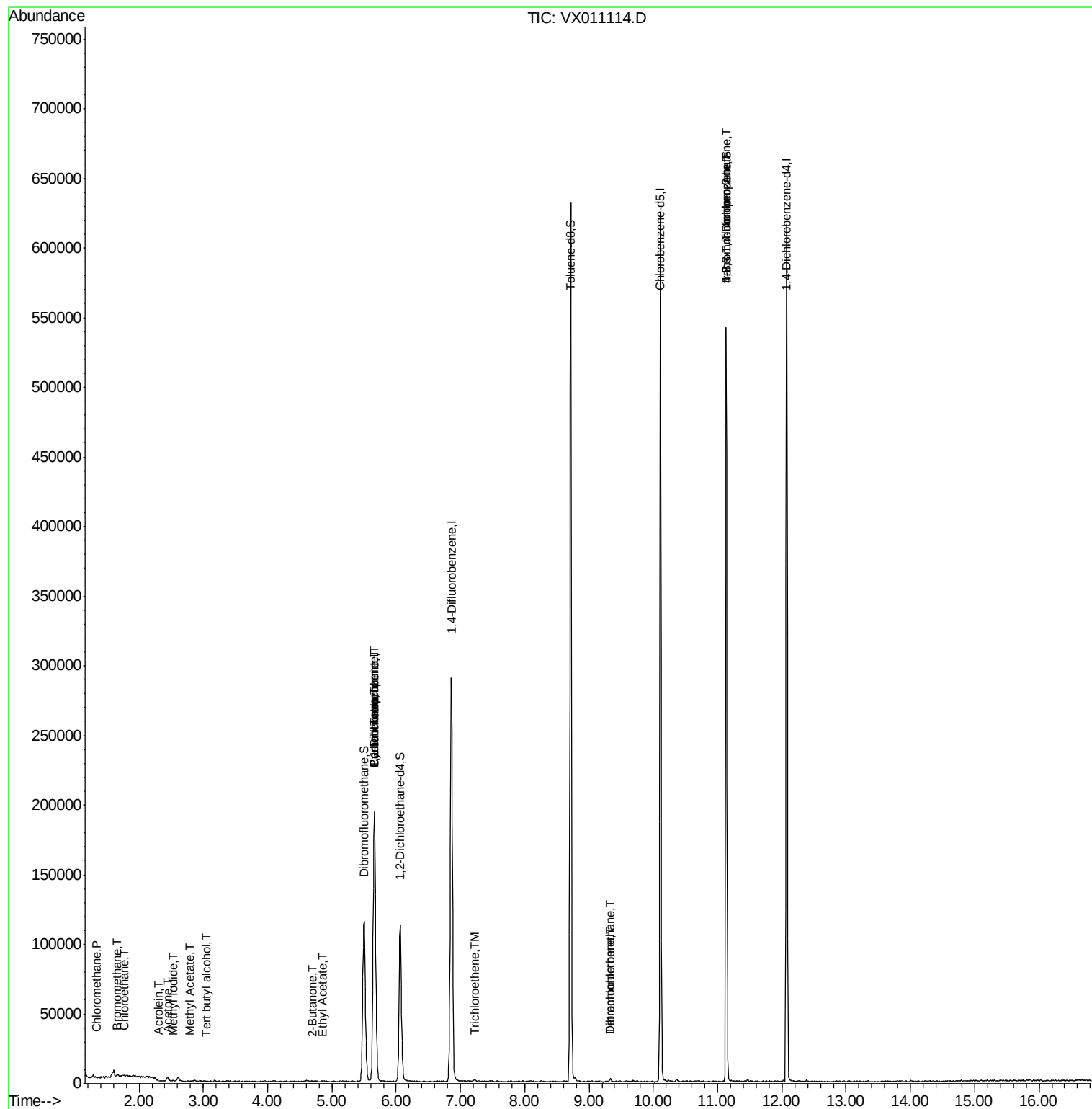
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	519	0.294	ug/l #	72
5) Bromomethane	1.65	94	613	0.603	ug/l #	66
6) Chloroethane	1.77	64	357	0.312	ug/l #	46
10) Methyl Iodide	2.52	142	509	0.223	ug/l #	87
11) Tert butyl alcohol	3.04	59	324	0.680	ug/l #	88
13) Acrolein	2.29	56	106	0.385	ug/l #	29
16) Acetone	2.45	43	2802	3.034	ug/l	93
18) Methyl Acetate	2.78	43	536	0.255	ug/l #	82
25) 2-Butanone	4.70	43	301	0.227	ug/l #	42
31) Cyclohexane	5.65	56	3621	1.304	ug/l #	25
36) 1,1-Dichloropropene	5.66	75	12827	5.057	ug/l #	50
37) Ethyl Acetate	4.84	43	589	0.227	ug/l #	70
38) Carbon Tetrachloride	5.66	117	17926	6.781	ug/l #	17
44) Trichloroethene	7.22	130	531	0.231	ug/l	93
60) Dibromochloromethane	9.34	129	344	2.663	ug/l #	11
64) Tetrachloroethene	9.34	164	461	0.202	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	66031	27.312	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	66031	67.669	ug/l #	11

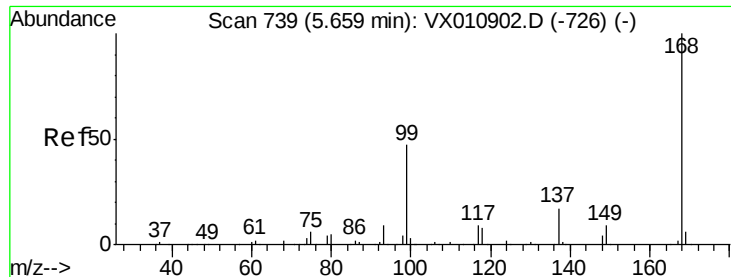
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

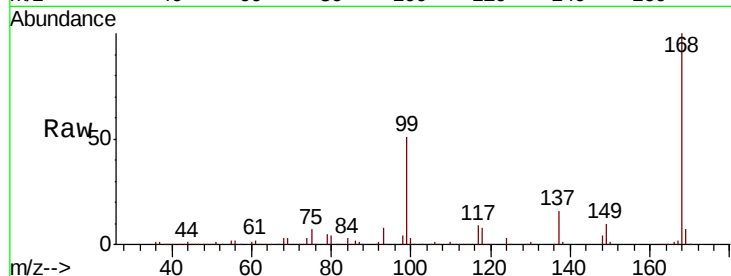
SU19-MSW0107

Tot Ion:168 Resp: 192191

Ion Ratio Lower Upper

168 100

99 50.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

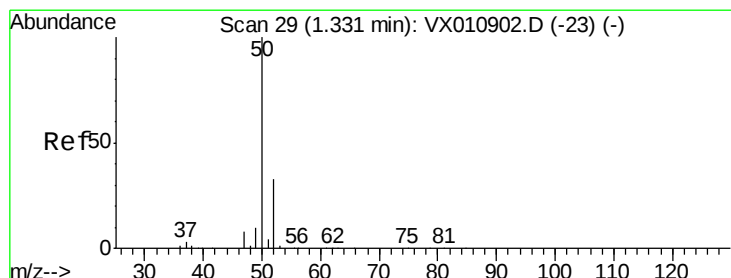
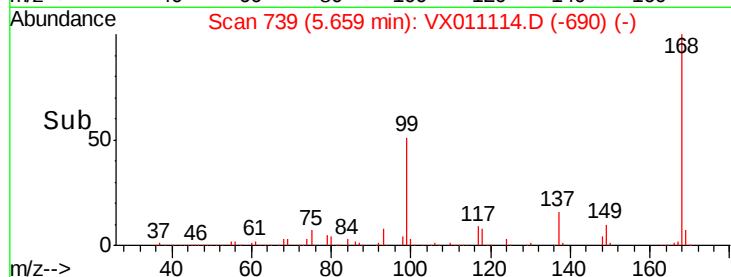
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.294 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011114.D

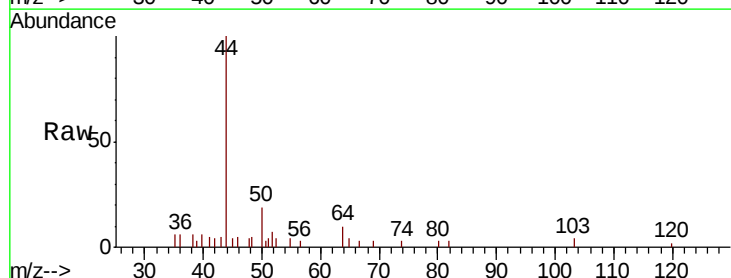
Acq: 27 Jul 2019 01:33

Tgt Ion: 50 Resp: 519

Ion Ratio Lower Upper

50 100

52 48.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

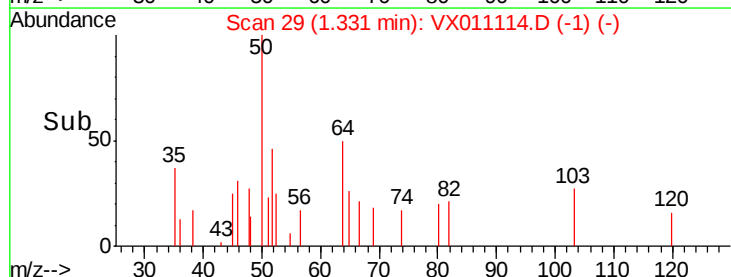
300

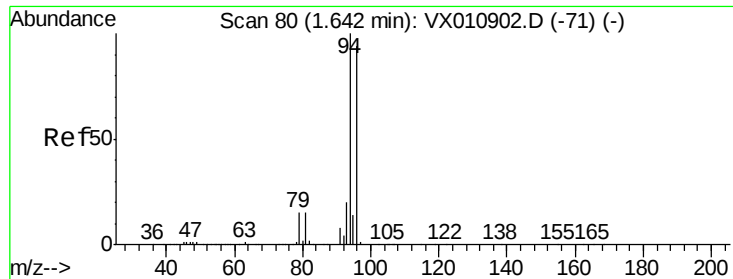
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.603 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

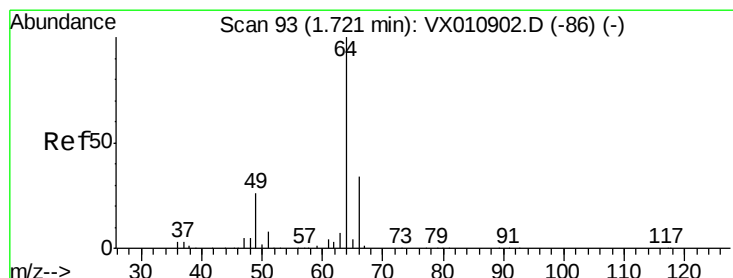
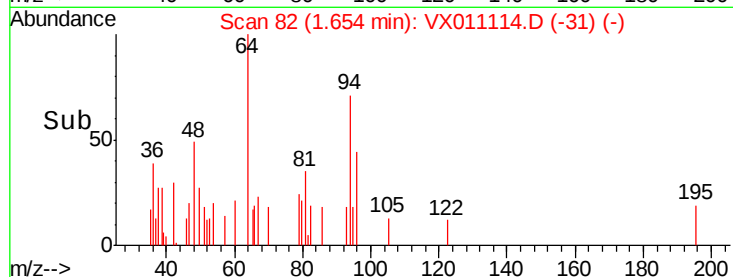
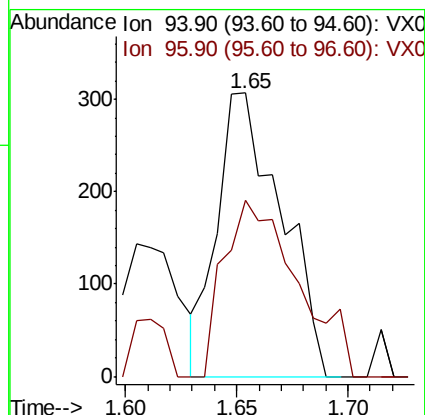
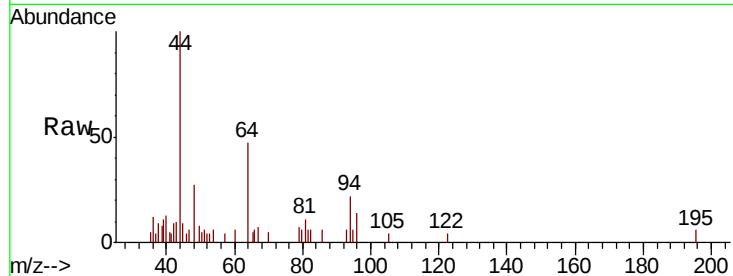
SU19-MSW0107

Tot Ion: 94 Resp: 613

Ion Ratio Lower Upper

94 100

96 61.9 75.6 113.4#



#6

Chloroethane

Concen: 0.312 ug/l

RT: 1.77 min Scan# 101

Delta R.T. 0.05 min

Lab File: VX011114.D

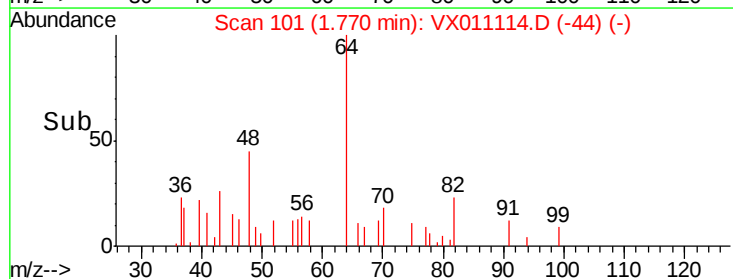
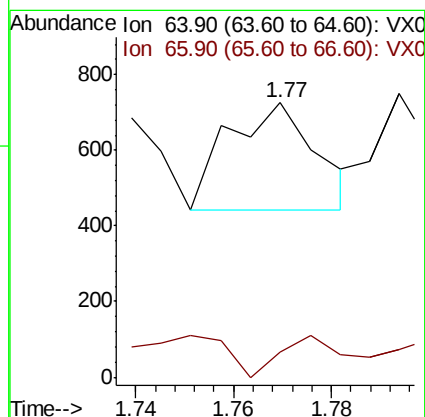
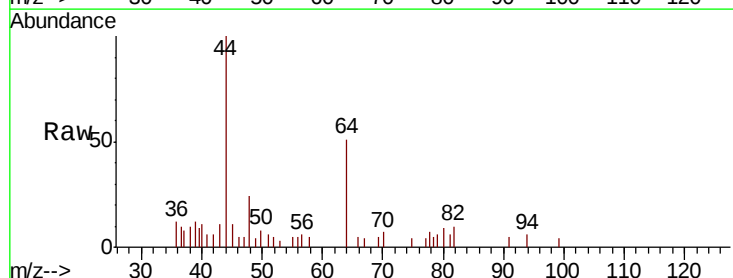
Acq: 27 Jul 2019 01:33

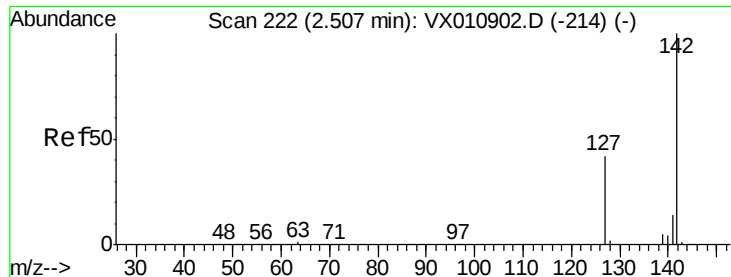
Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

64 100

66 2.8 27.0 40.6#

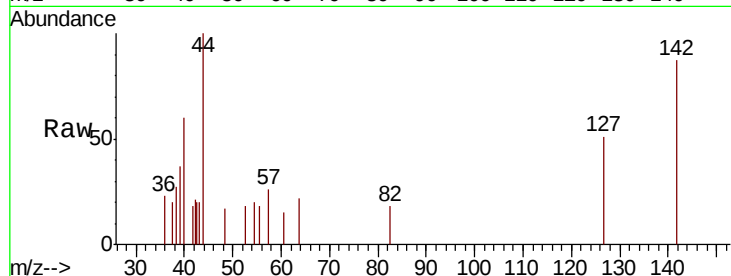




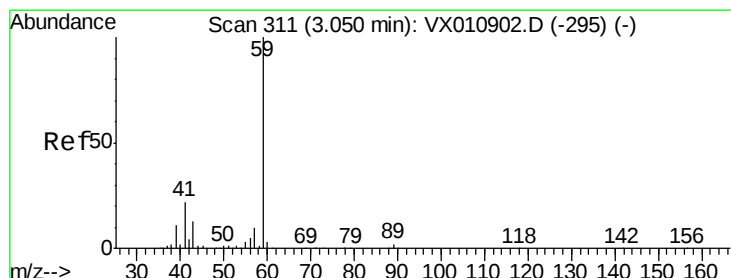
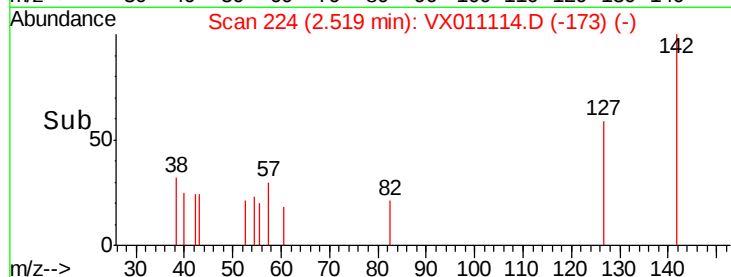
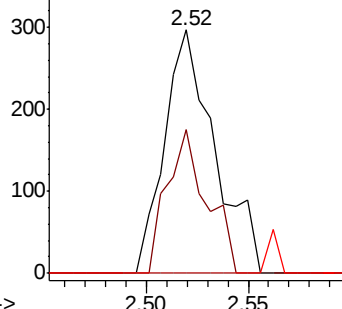
#10
Methvl Iodide
Concen: 0.223 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0107

Tot Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
127 46.6 34.2 51.4
141 0.0 11.7 17.5#

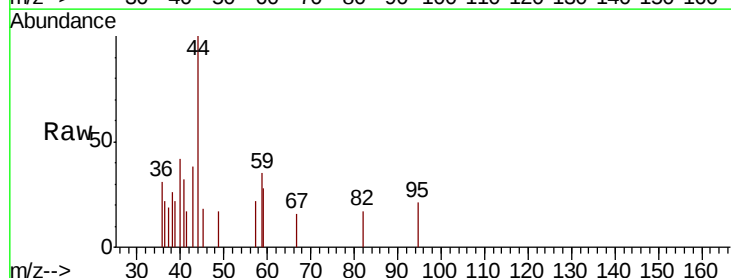


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

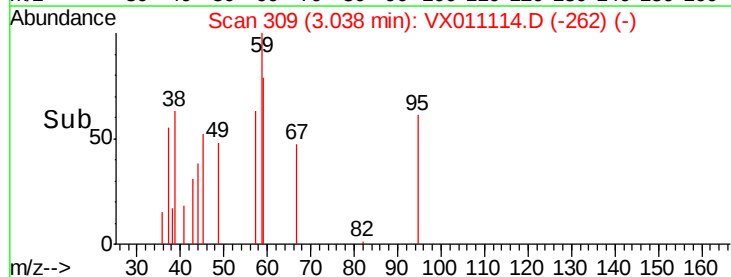
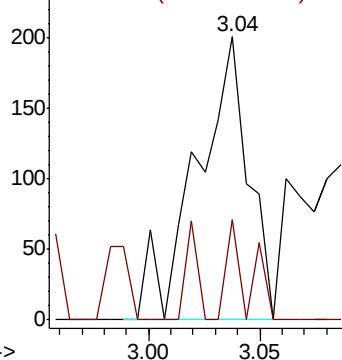


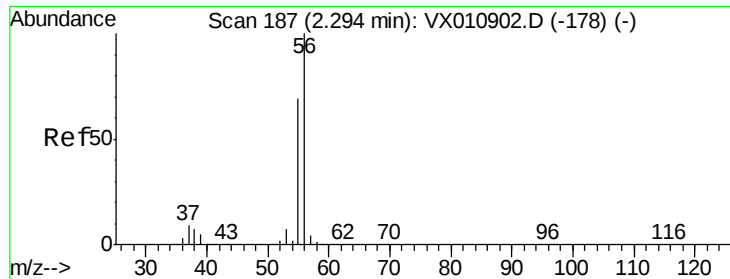
#11
Tert butyl alcohol
Concen: 0.680 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 14.2 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.385 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

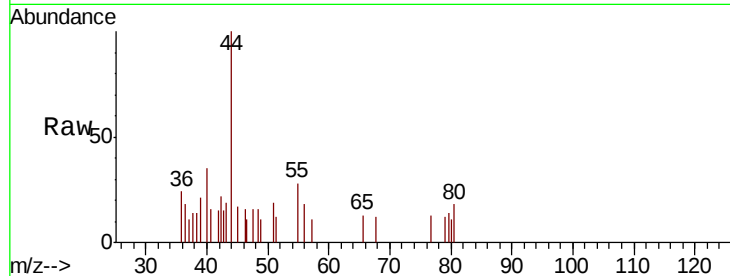
SU19-MSW0107

Tot Ion: 56 Resp: 106

Ion Ratio Lower Upper

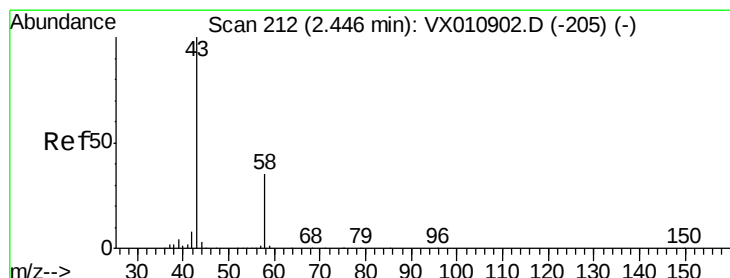
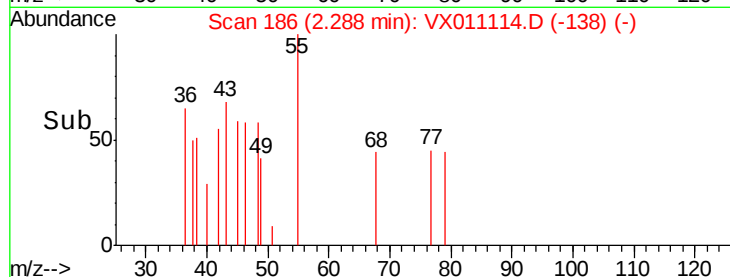
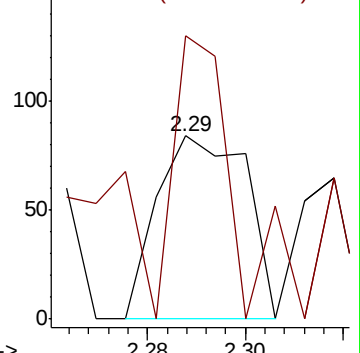
56 100

55 128.3 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: 3.034 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011114.D

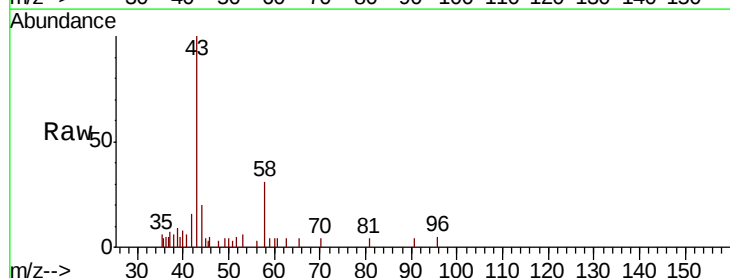
Acq: 27 Jul 2019 01:33

Tgt Ion: 43 Resp: 2802

Ion Ratio Lower Upper

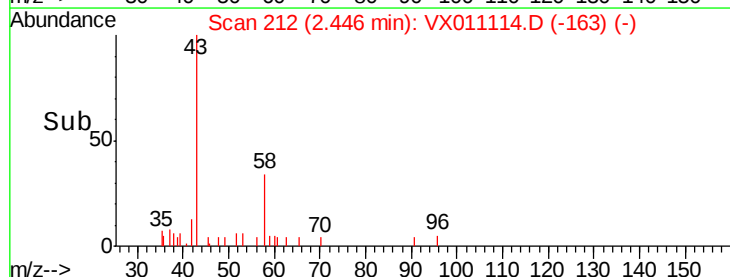
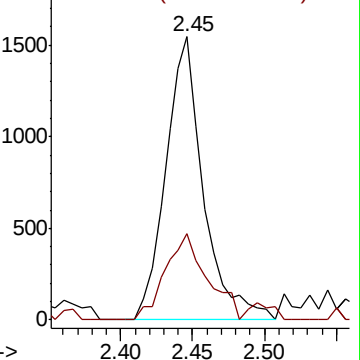
43 100

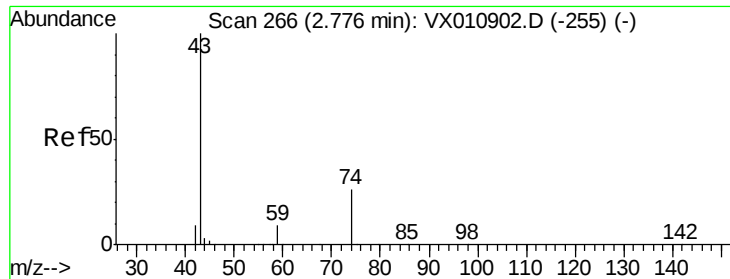
58 30.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

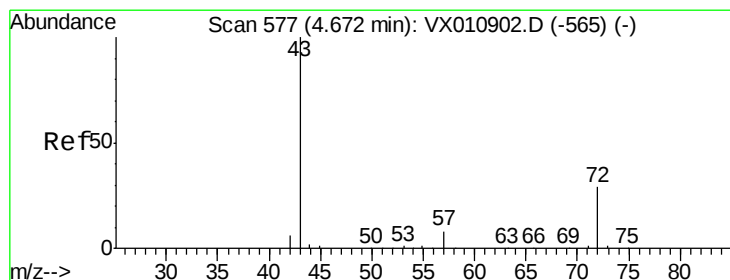
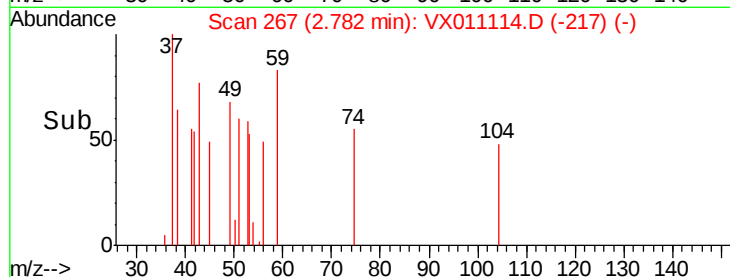
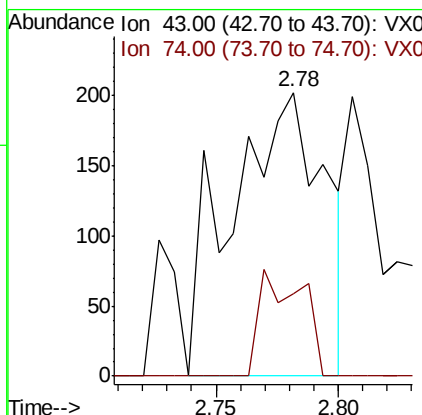
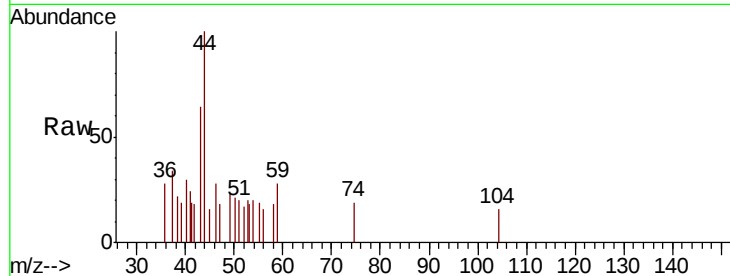




#18
Methvl Acetate
Concen: 0.255 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

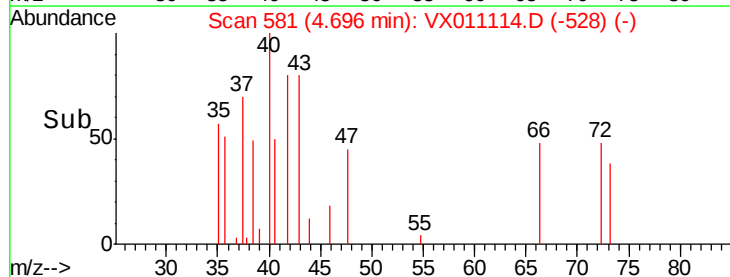
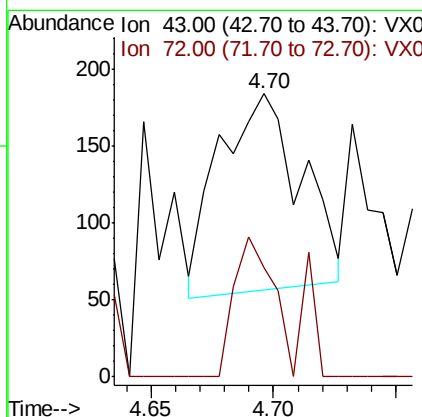
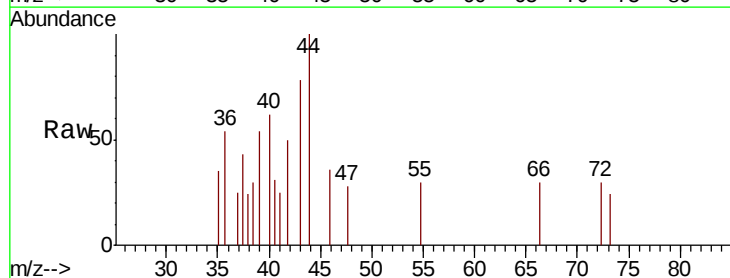
Instrument :
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ClientSampleId :
SU19-MSW0107

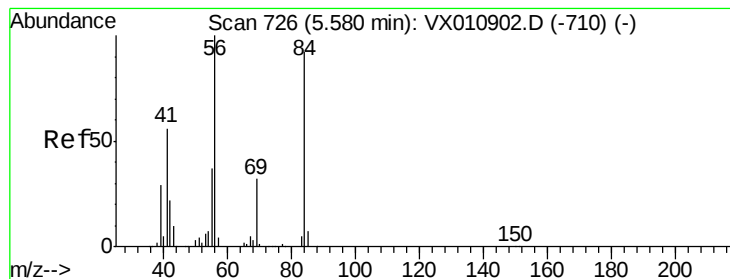
Tot Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
74 17.4 21.5 32.3#



#25
2-Butanone
Concen: 0.227 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
72 59.7 23.0 34.6#





#31

Cyclohexane

Concen: 1.304 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0107

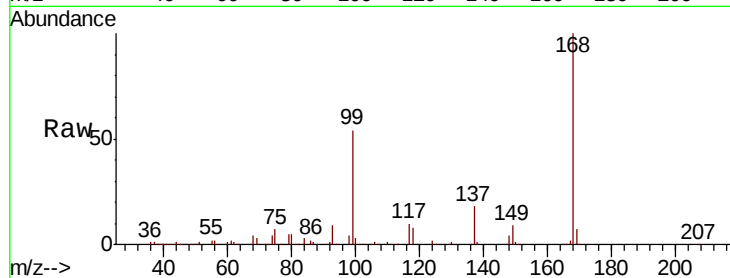
Tot Ion: 56 Resp: 3621

Ion Ratio Lower Upper

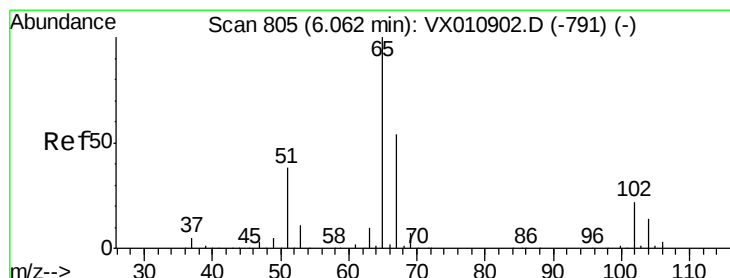
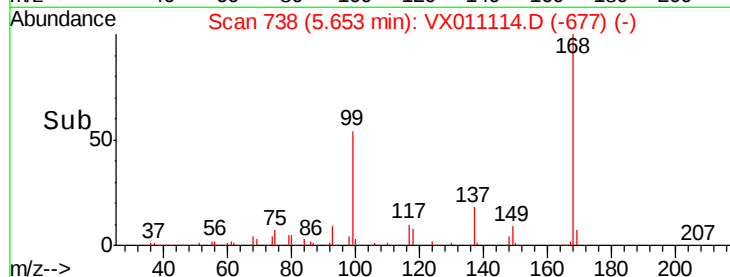
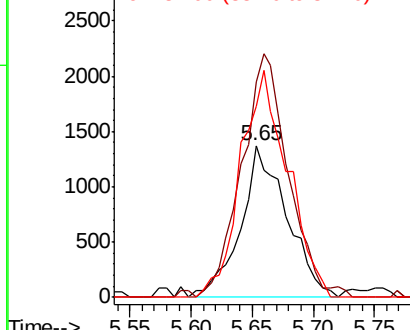
56 100

69 137.3 25.8 38.8#

84 126.5 73.8 110.6#



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: 51.893 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011114.D

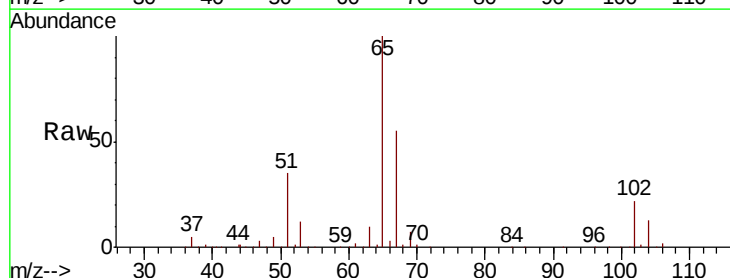
Acq: 27 Jul 2019 01:33

Tgt Ion: 65 Resp: 106101

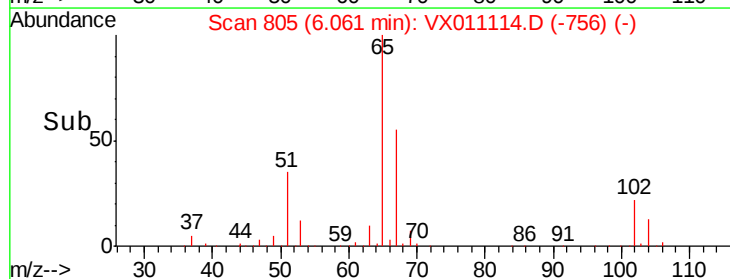
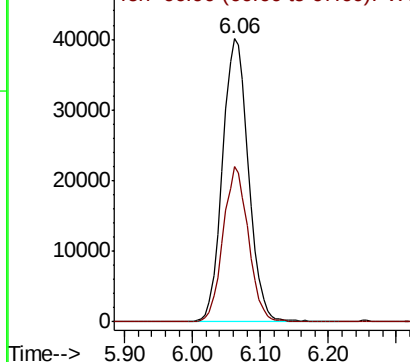
Ion Ratio Lower Upper

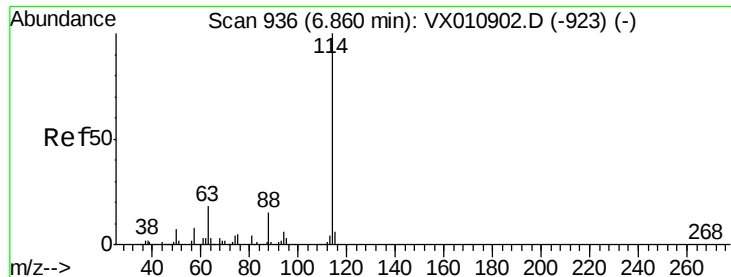
65 100

67 53.3 0.0 107.8



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: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

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ClientSampleId :

SU19-MSW0107

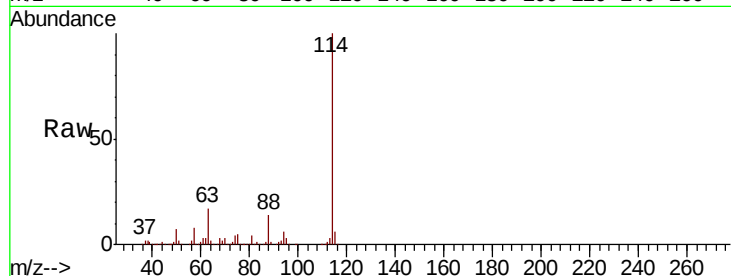
Tot Ion:114 Resp: 308826

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.6

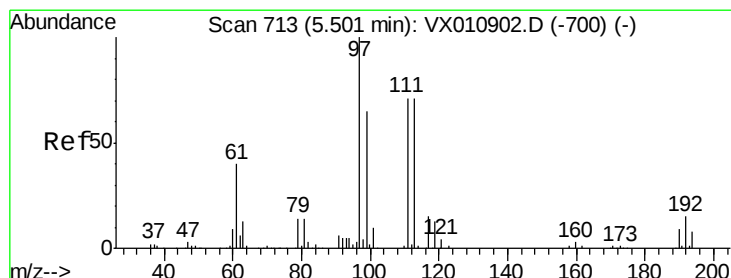
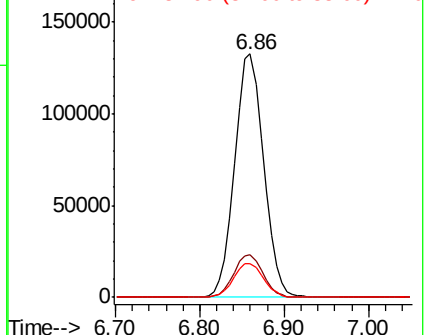
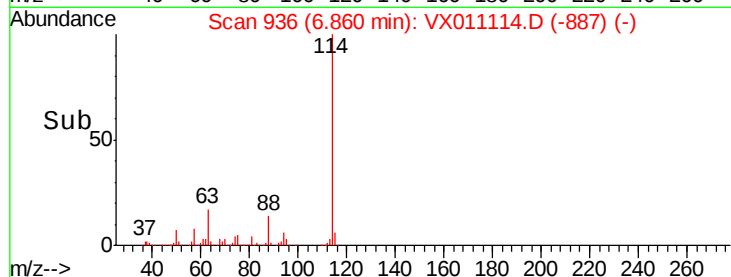
88 14.0 0.0 29.8



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: 49.028 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

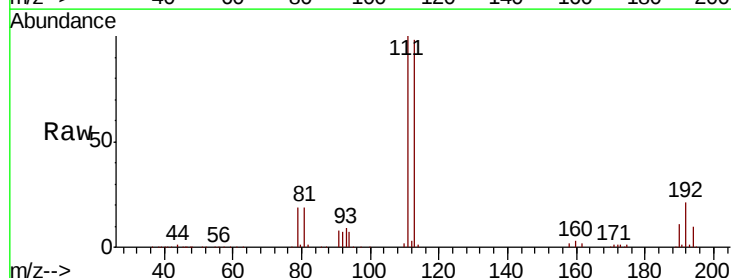
Tgt Ion:113 Resp: 96104

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

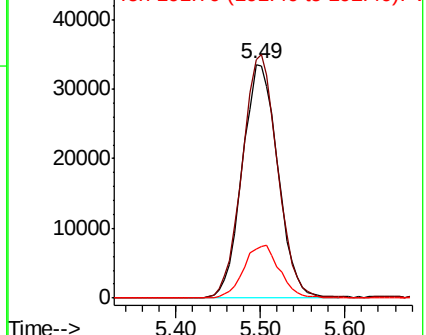
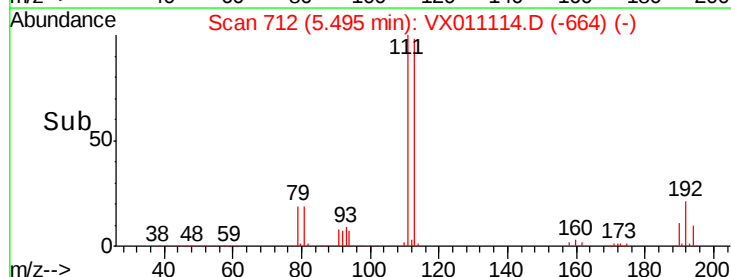
192 22.5 17.4 26.2

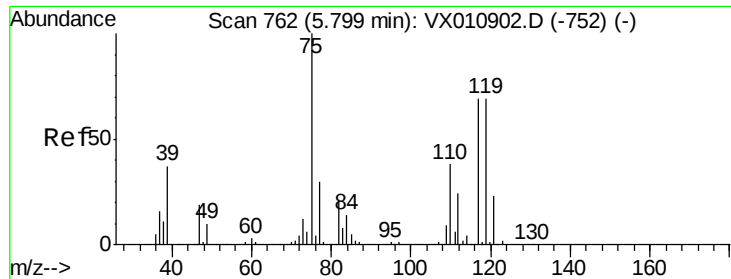


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.057 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0107

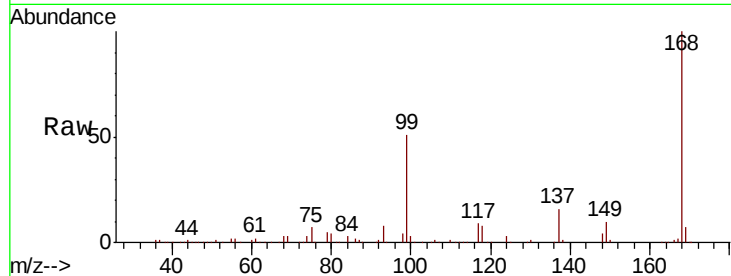
Tot Ion: 75 Resp: 12827

Ion Ratio Lower Upper

75 100

110 11.8 19.9 59.7#

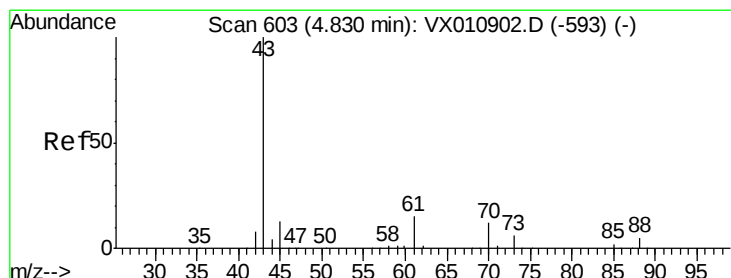
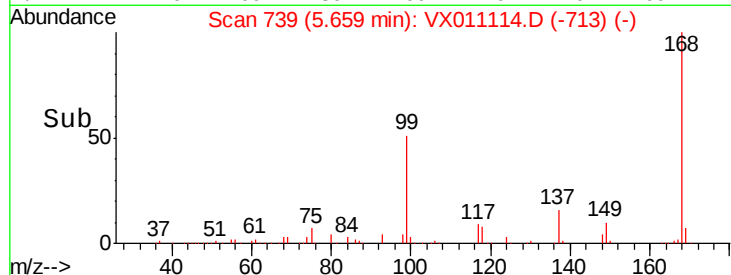
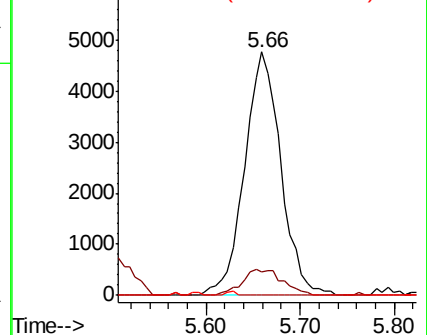
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.227 ug/l

RT: 4.84 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

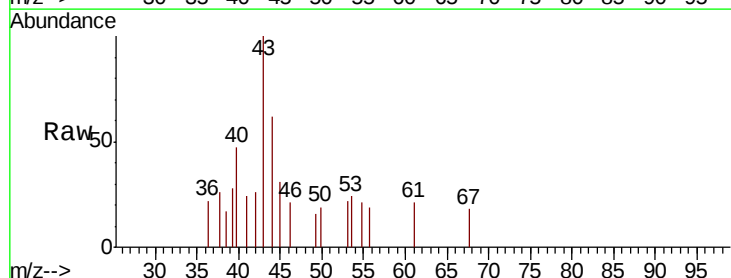
Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

61 30.9 11.6 17.4#

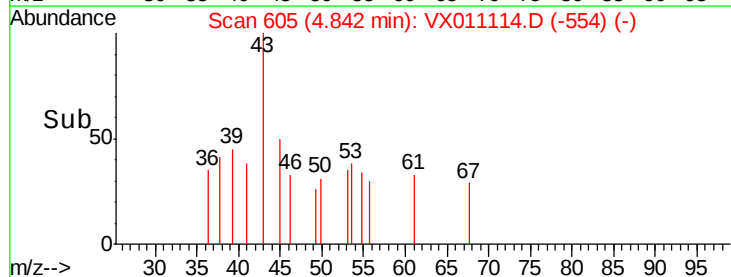
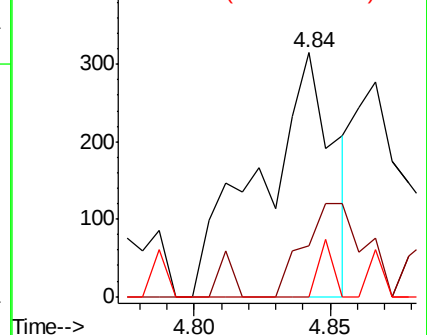
70 4.6 9.1 13.7#

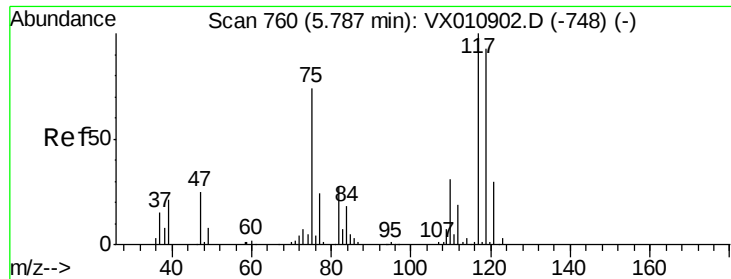


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

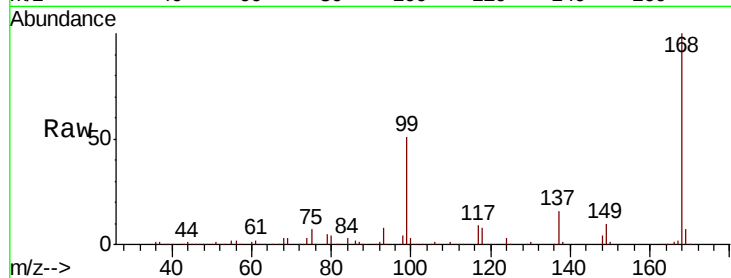




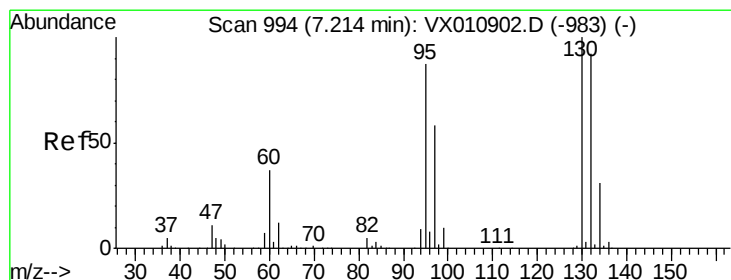
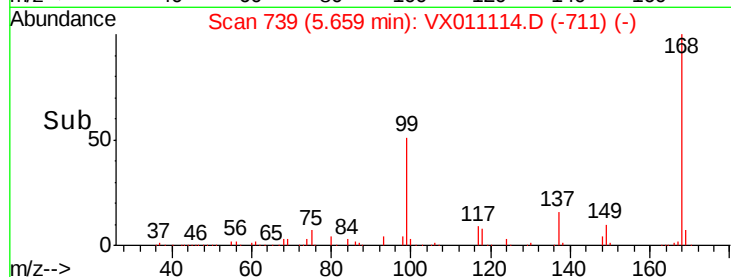
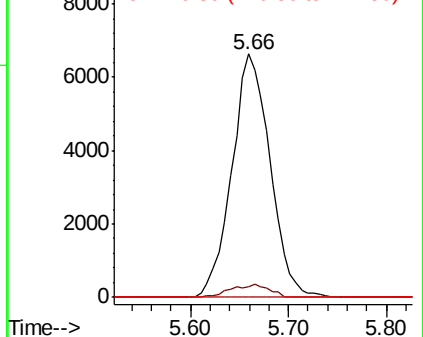
#38
Carbon Tetrachloride
Concen: 6.781 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0107

Tot Ion:117 Resp: 17926
Ion Ratio Lower Upper
117 100
119 4.4 74.2 111.2#
121 0.0 24.2 36.2#

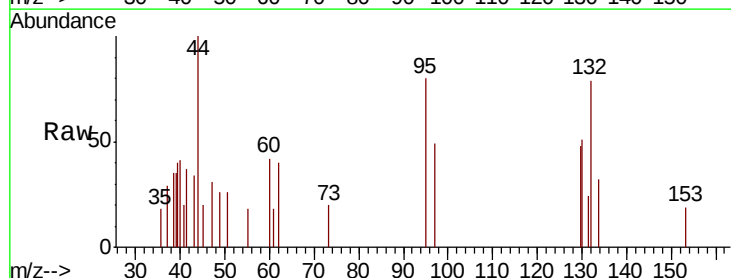


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

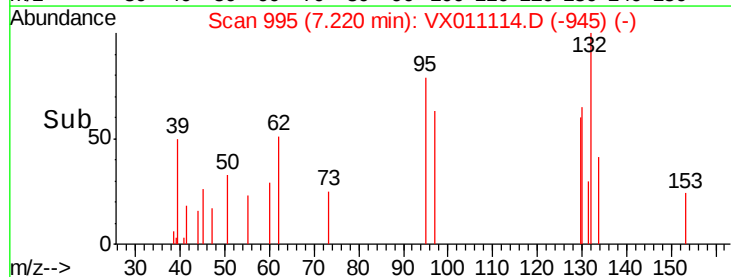
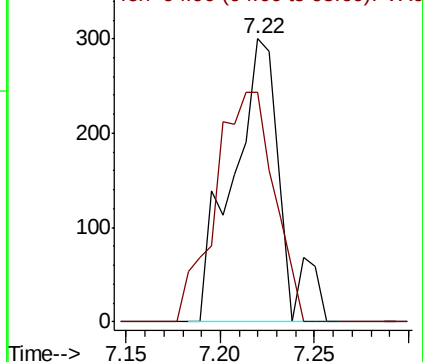


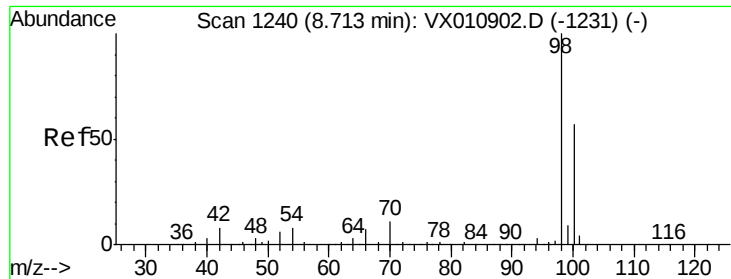
#44
Trichloroethene
Concen: 0.231 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX011114.D
Acq: 27 Jul 2019 01:33

Tgt Ion:130 Resp: 531
Ion Ratio Lower Upper
130 100
95 81.3 0.0 174.8



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





#50

Toluene-d8

Concen: 50.110 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

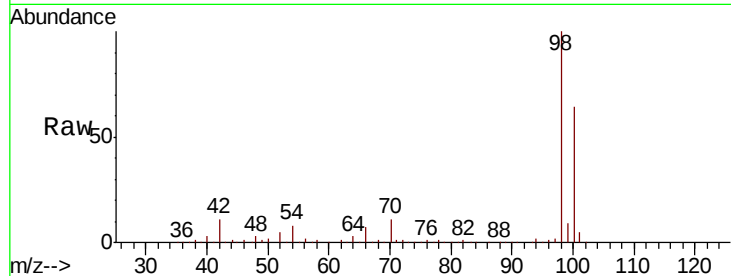
SU19-MSW0107

Tot Ion: 98 Resp: 368404

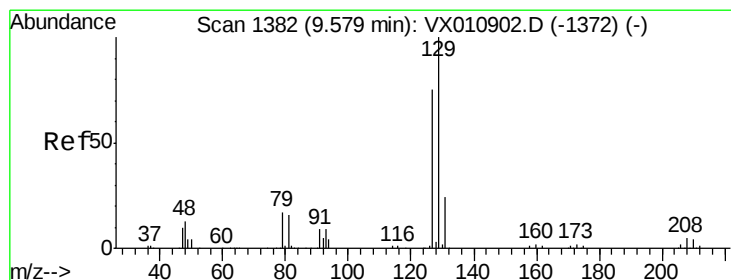
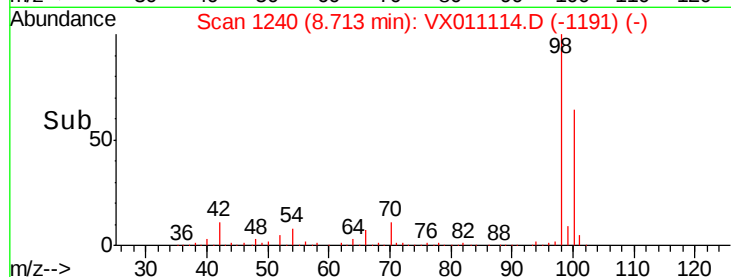
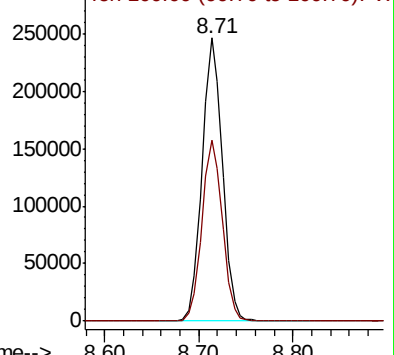
Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX010902.D (-1231) (-)



#60

Dibromochloromethane

Concen: 2.663 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011114.D

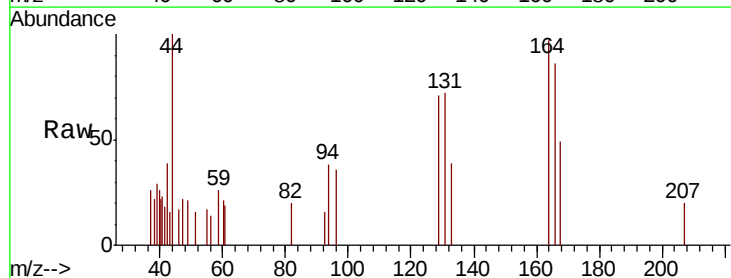
Acq: 27 Jul 2019 01:33

Tgt Ion: 129 Resp: 344

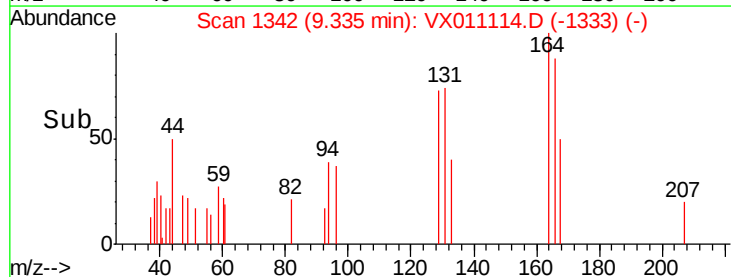
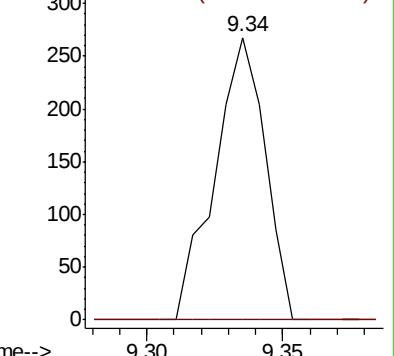
Ion Ratio Lower Upper

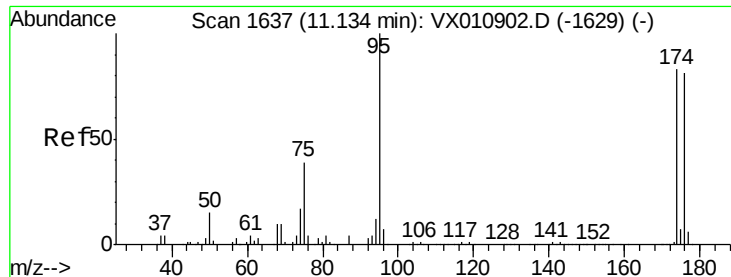
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX010902.D (-1372) (-)





#62

4-Bromofluorobenzene

Concen: 48.432 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0107

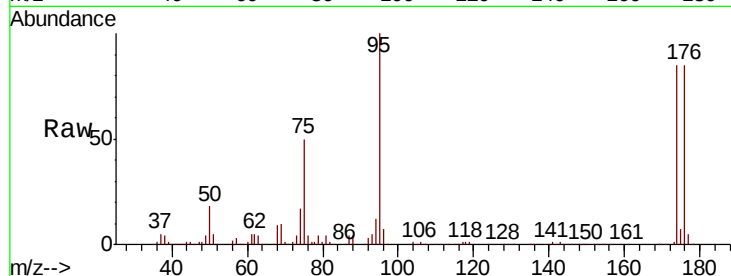
Tot Ion: 95 Resp: 130881

Ion Ratio Lower Upper

95 100

174 90.6 0.0 180.6

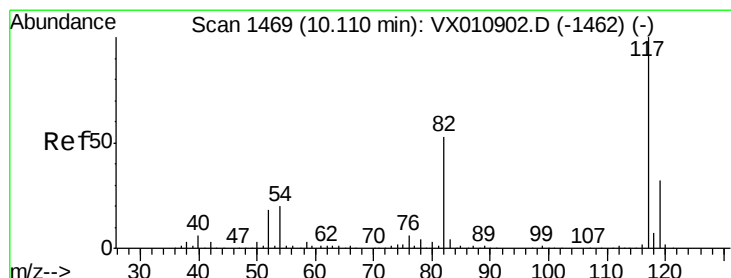
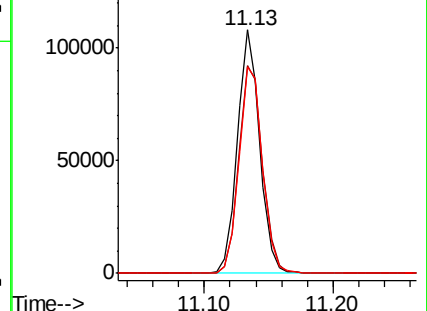
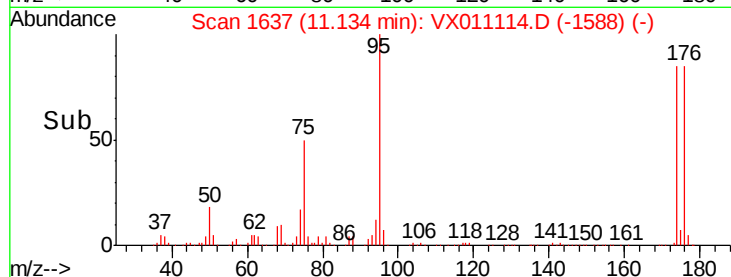
176 89.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011114.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011114.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011114.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

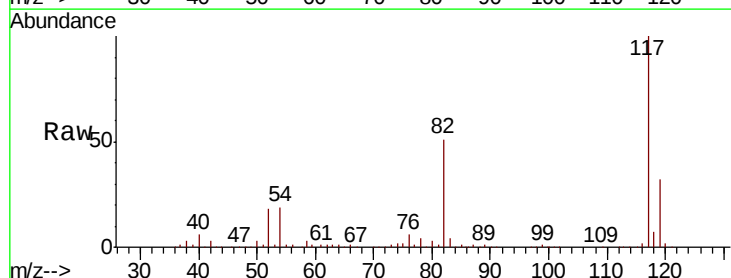
Tgt Ion: 117 Resp: 290124

Ion Ratio Lower Upper

117 100

82 51.3 42.6 63.8

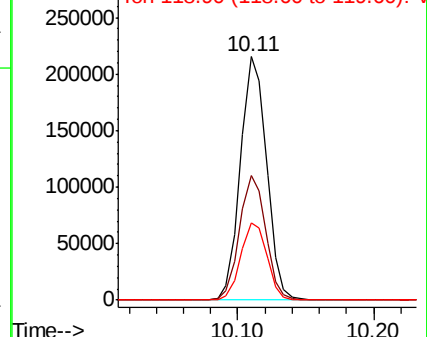
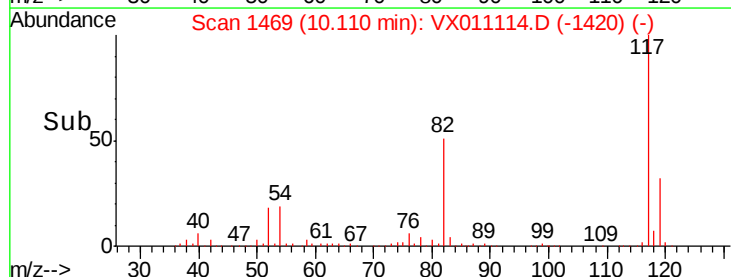
119 31.8 25.9 38.9

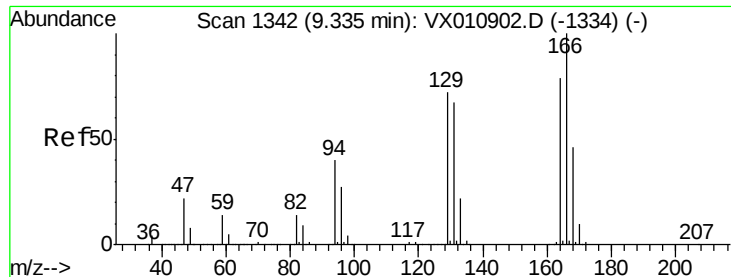


Abundance Ion 116.90 (116.60 to 117.60): VX011114.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011114.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011114.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.202 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0107

Tot Ion:164 Resp: 461

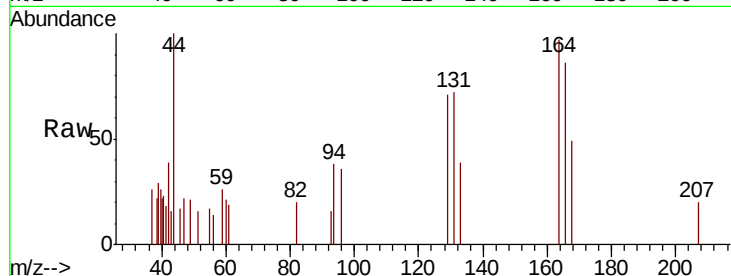
Ion Ratio Lower Upper

164 100

166 88.3 100.8 151.2#

129 73.2 72.6 109.0

131 74.0 67.7 101.5



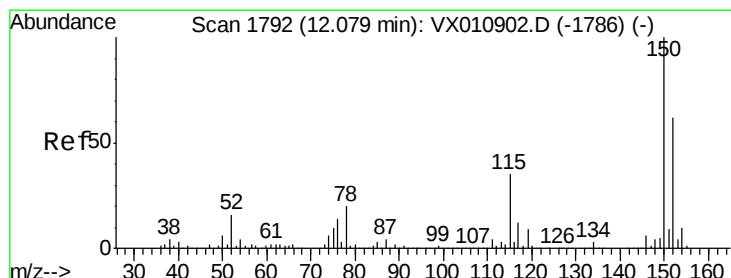
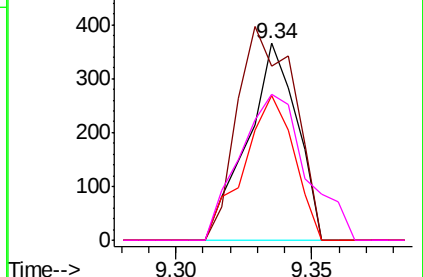
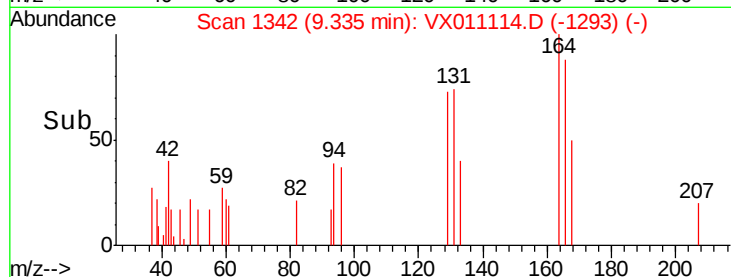
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

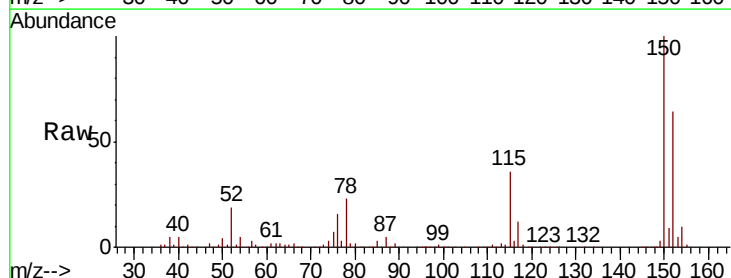
Tgt Ion:152 Resp: 133975

Ion Ratio Lower Upper

152 100

115 55.2 39.7 119.1

150 158.7 0.0 345.6

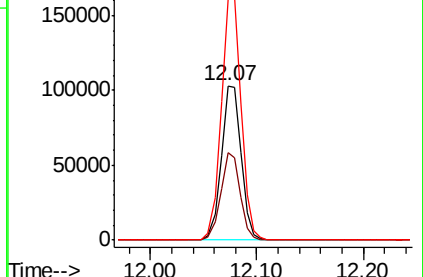
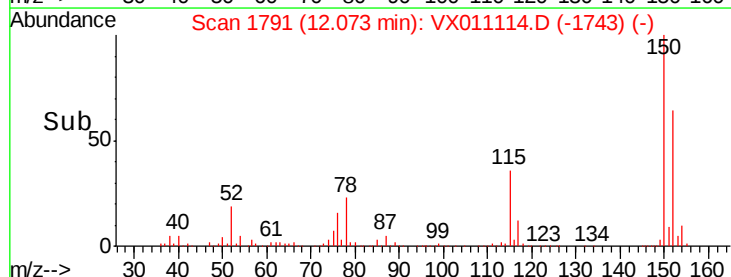


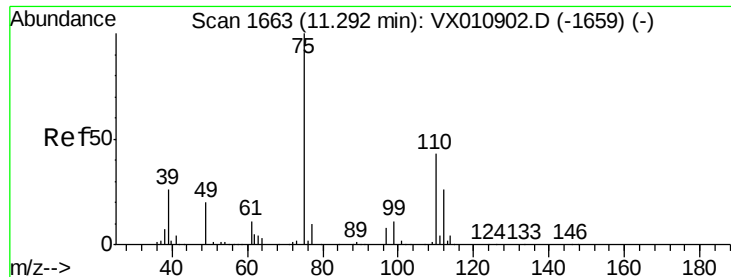
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 27.312 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

Instrument :

MSVOA_X

ClientSampleId :

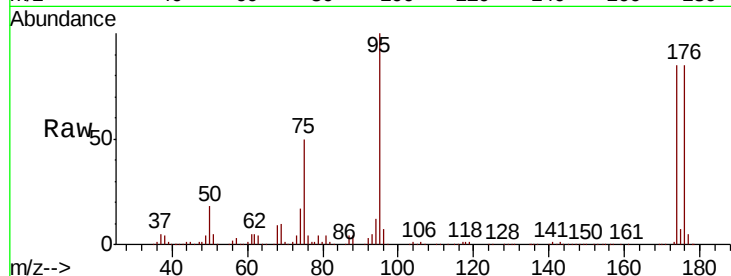
SU19-MSW0107

Tot Ion: 75 Resp: 66031

Ion Ratio Lower Upper

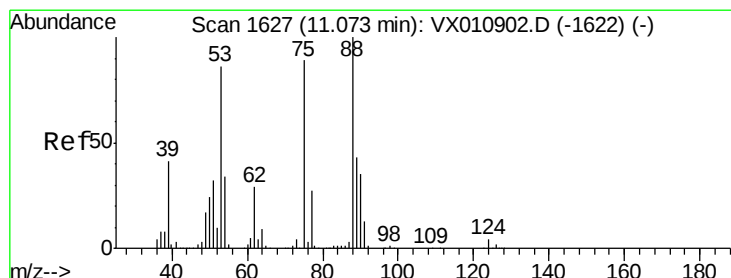
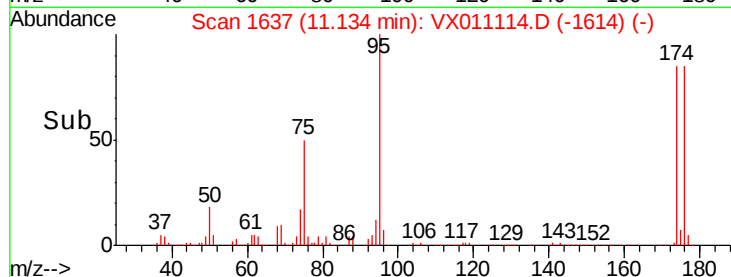
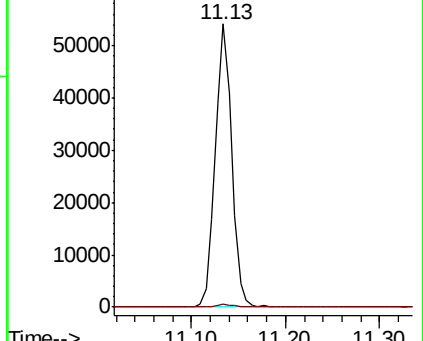
75 100

77 1.2 21.3 64.0#



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: 67.669 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011114.D

Acq: 27 Jul 2019 01:33

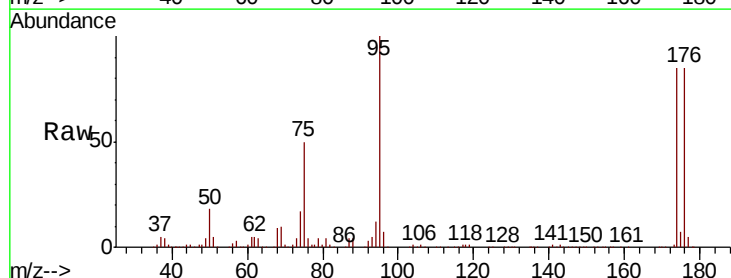
Tgt Ion: 75 Resp: 66031

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 38.5 57.7#



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

