

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011036.D
 Acq On : 22 Jul 2019 17:23
 Operator : JC/SP
 Sample : K3921-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0619

Quant Time: Jul 23 03:45:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	356968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155843	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	122877	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.50	113	112175	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
50) Toluene-d8	8.71	98	429394	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
62) 4-Bromofluorobenzene	11.13	95	154729	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

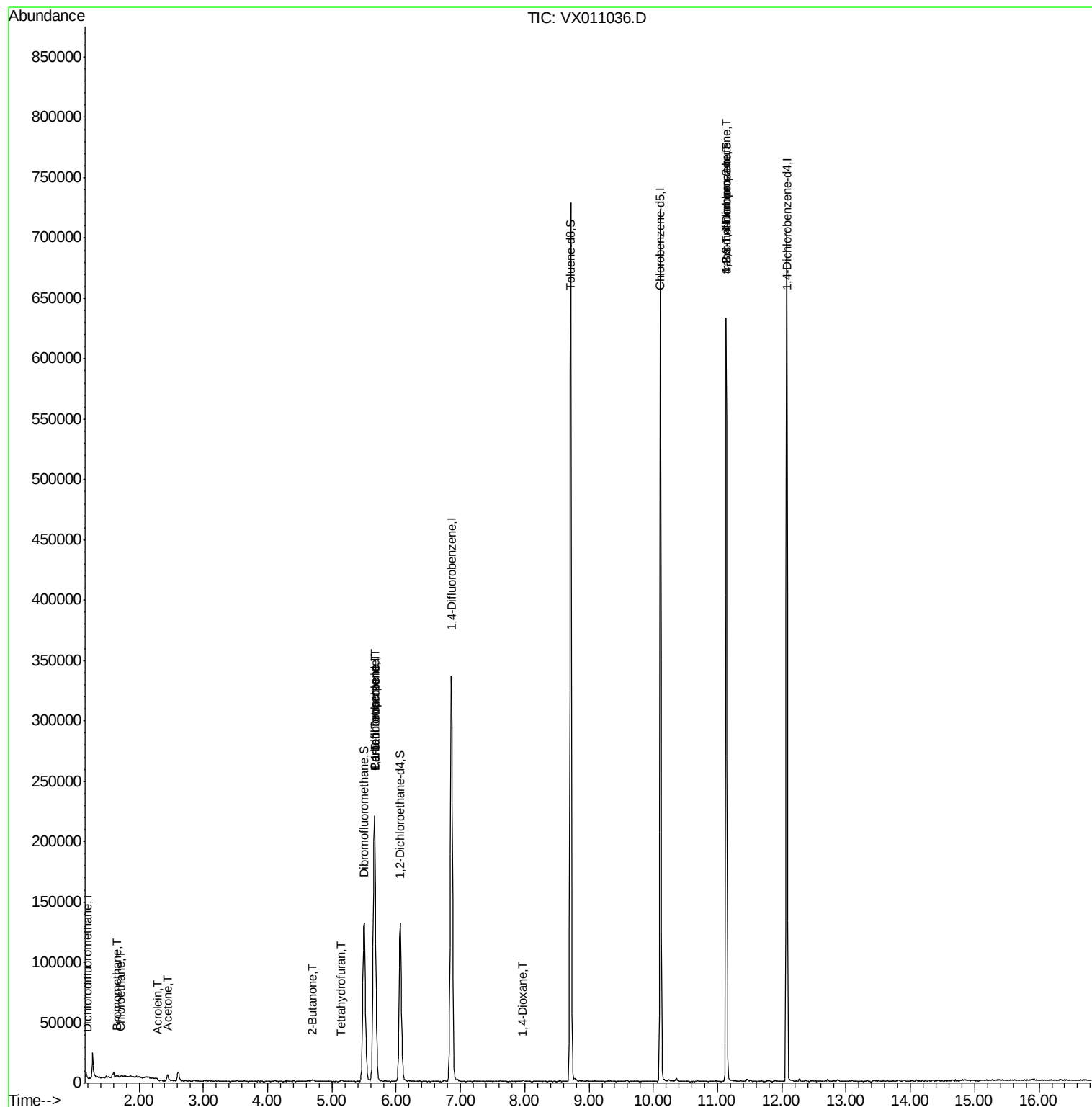
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28	0.558	ug/l #	43
5) Bromomethane	1.66	94	385	0.325	ug/l #	79
6) Chloroethane	1.71	64	415	0.310	ug/l #	83
13) Acrolein	2.29	56	196	0.610	ug/l #	74
16) Acetone	2.45	43	5694	5.281	ug/l	95
25) 2-Butanone	4.70	43	1280	0.827	ug/l #	88
29) Tetrahydrofuran	5.13	42	220	0.224	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14897	5.081	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21074	6.897	ug/l #	16
49) 1,4-Dioxane	7.98	88	22	0.327	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	77617	27.599	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77617	68.339	ug/l #	11

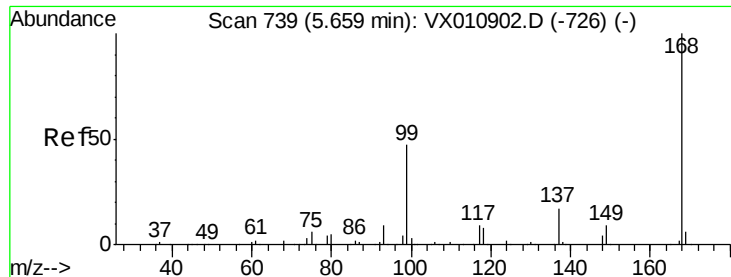
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

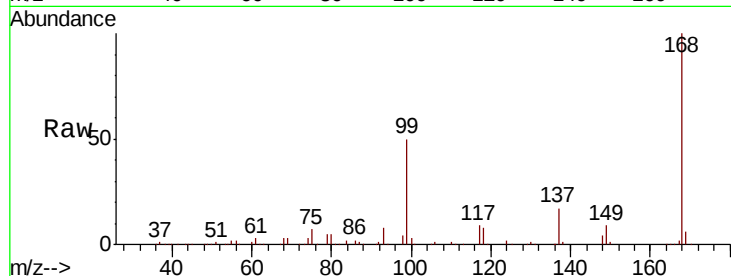
SU19-MSW0619

Tot Ion:168 Resp: 224408

Ion Ratio Lower Upper

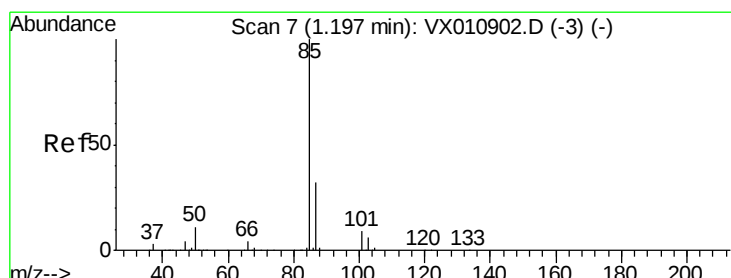
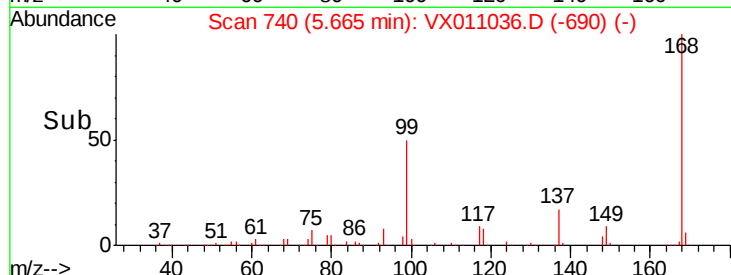
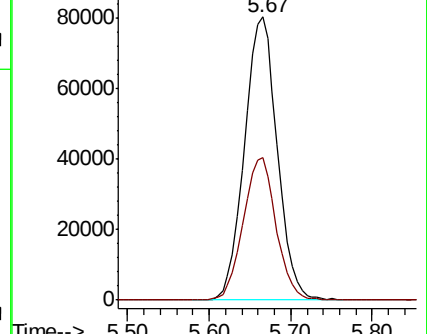
168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.558 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011036.D

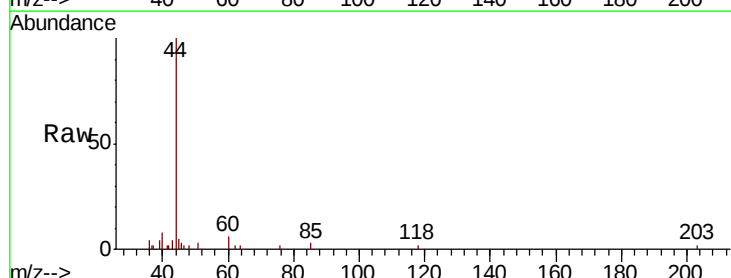
Acq: 22 Jul 2019 17:23

Tgt Ion: 85 Resp: 28

Ion Ratio Lower Upper

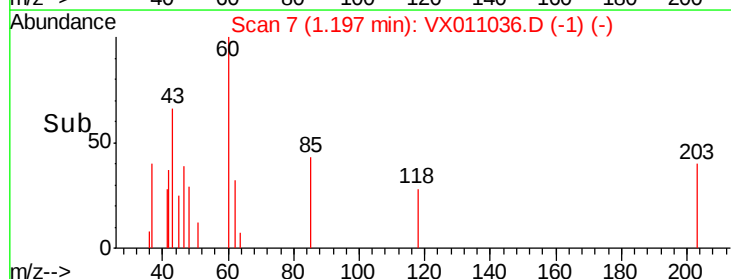
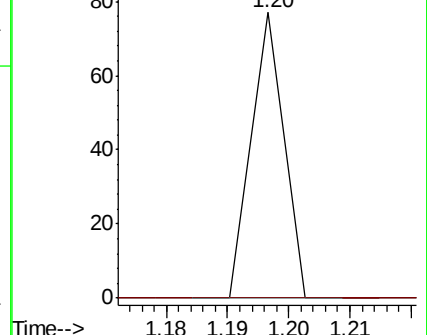
85 100

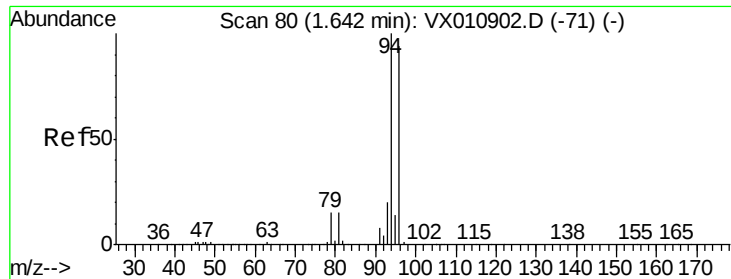
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.325 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

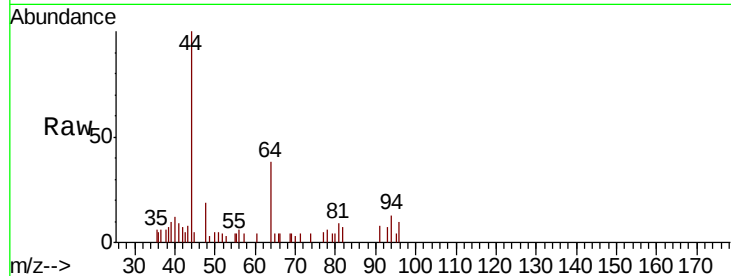
SU19-MSW0619

Tot Ion: 94 Resp: 385

Ion Ratio Lower Upper

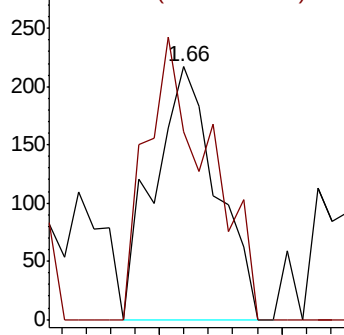
94 100

96 74.2 75.6 113.4#

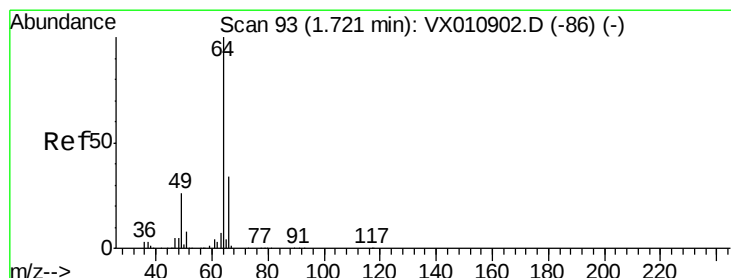
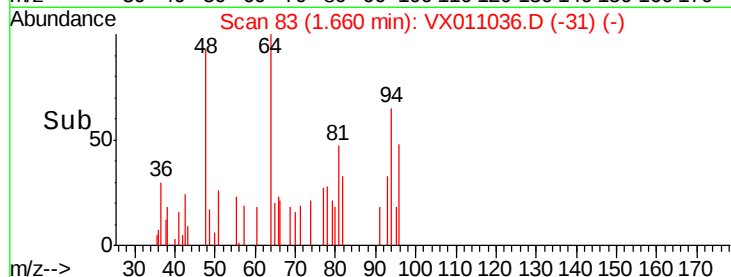


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.310 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011036.D

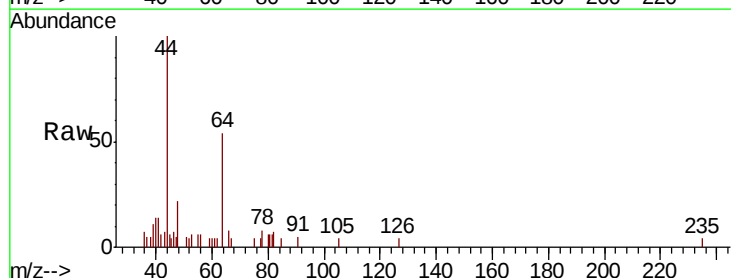
Acq: 22 Jul 2019 17:23

Tgt Ion: 64 Resp: 415

Ion Ratio Lower Upper

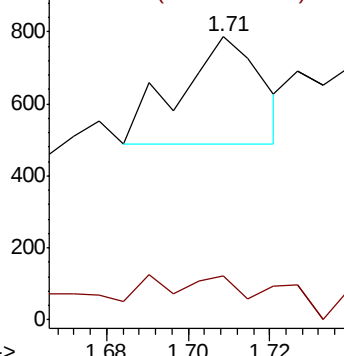
64 100

66 23.8 27.0 40.6#

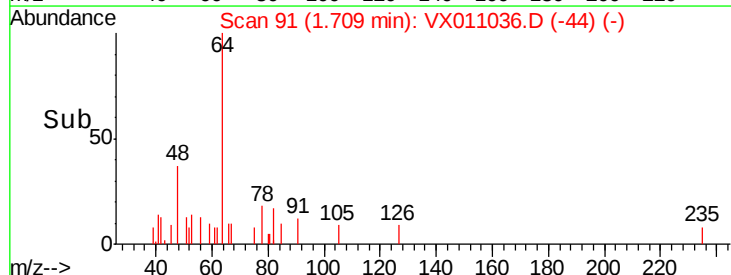


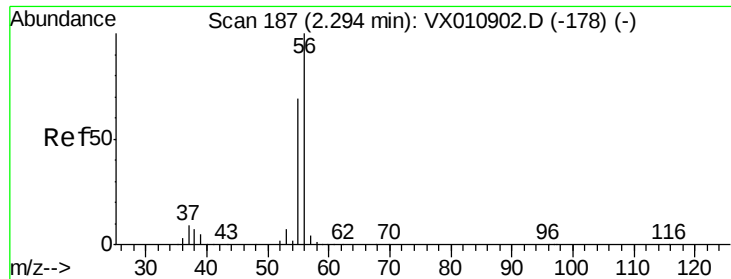
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->





#13

Acrolein

Concen: 0.610 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

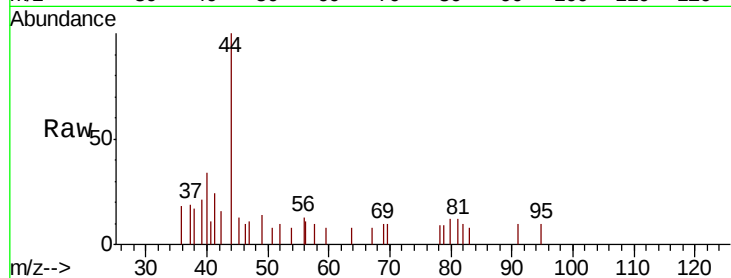
SU19-MSW0619

Tot Ion: 56 Resp: 196

Ion Ratio Lower Upper

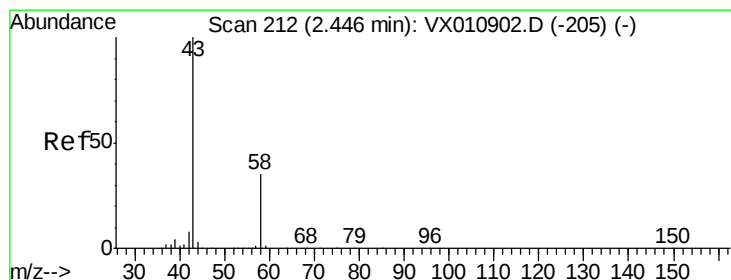
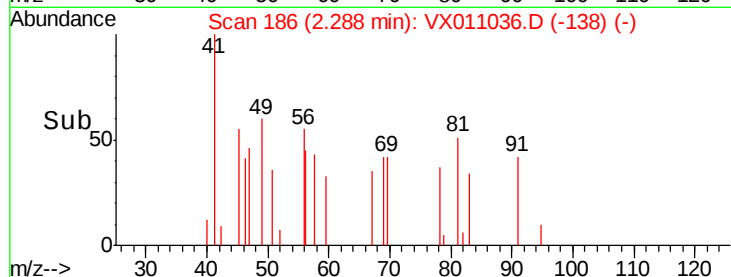
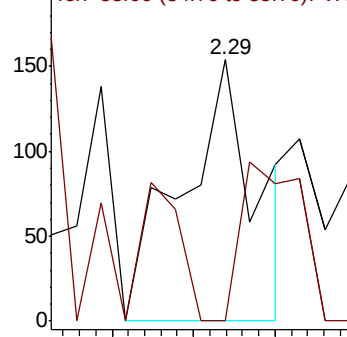
56 100

55 48.5 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: 5.281 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011036.D

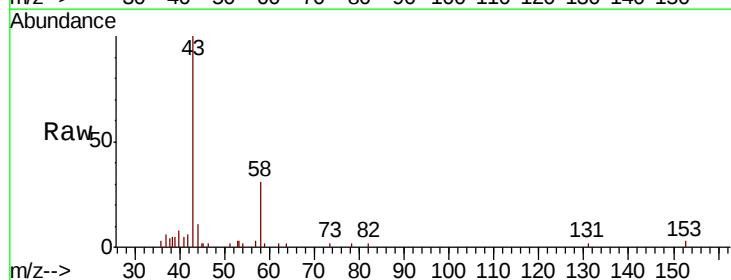
Acq: 22 Jul 2019 17:23

Tgt Ion: 43 Resp: 5694

Ion Ratio Lower Upper

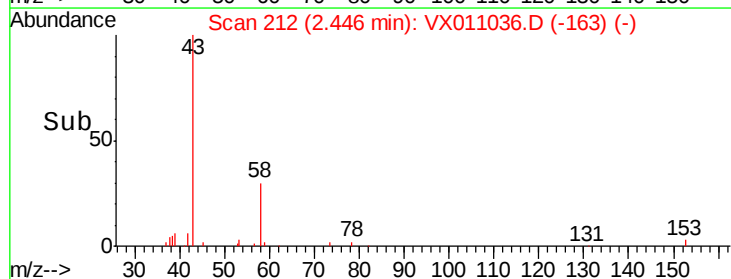
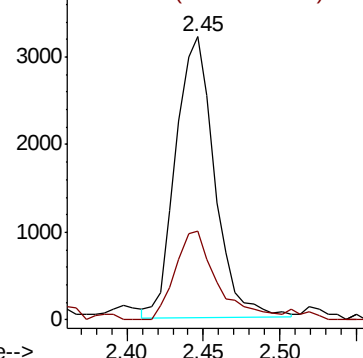
43 100

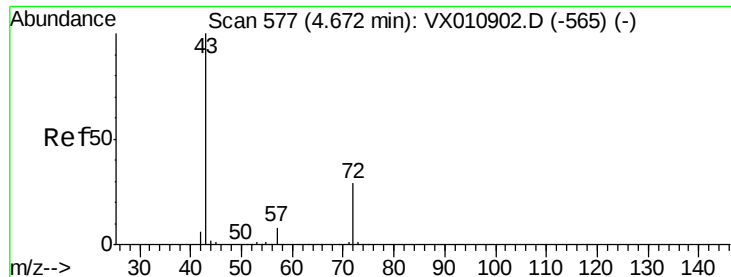
58 32.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.827 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.03 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

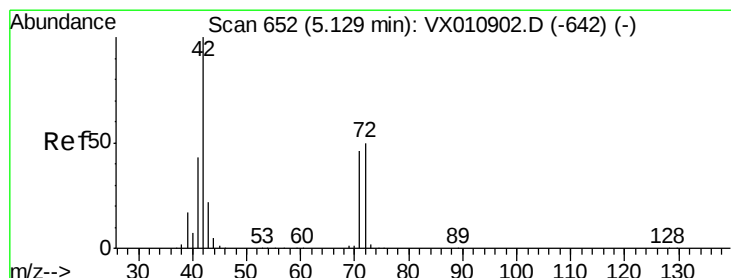
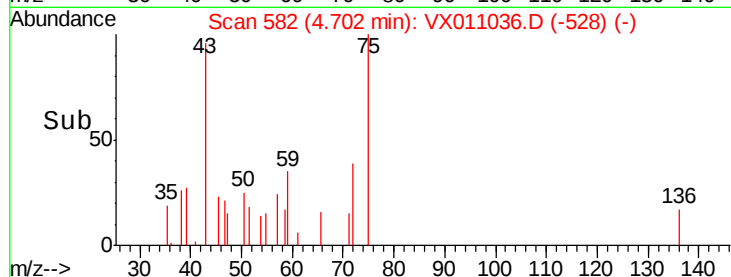
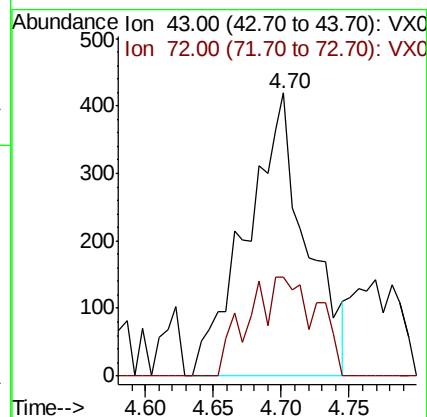
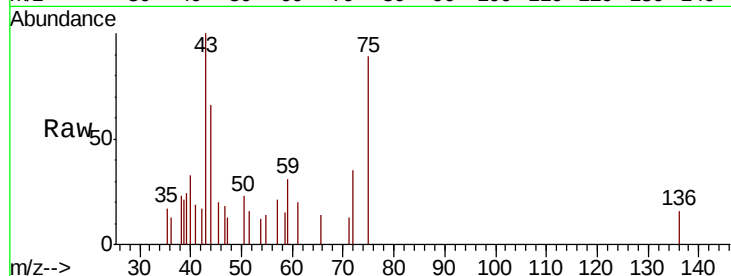
SU19-MSW0619

Tot Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

72 35.1 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.224 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

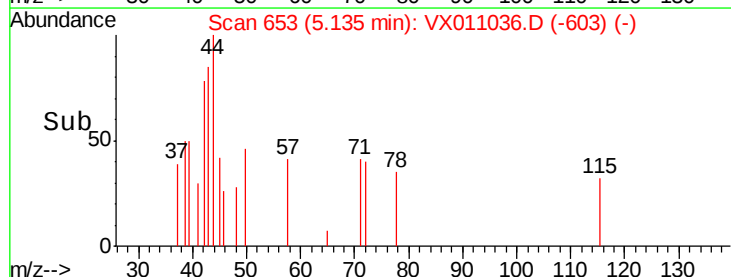
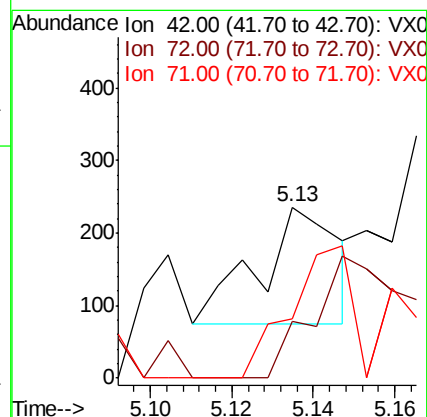
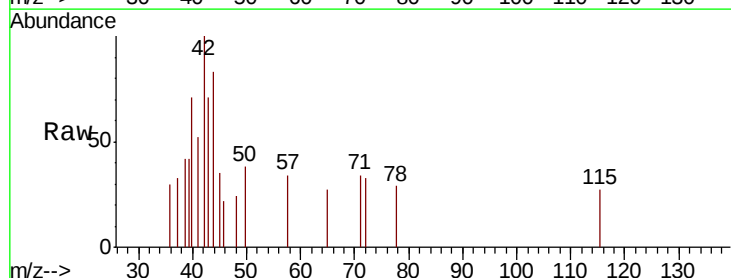
Tgt Ion: 42 Resp: 220

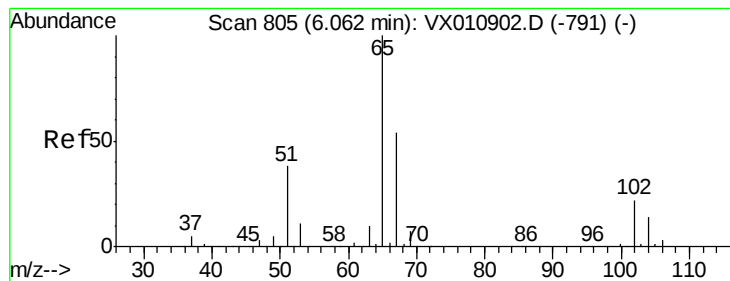
Ion Ratio Lower Upper

42 100

72 182.7 39.8 59.8#

71 84.5 37.0 55.4#





#33

1,2-Dichloroethane-d4

Concen: 51.470 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

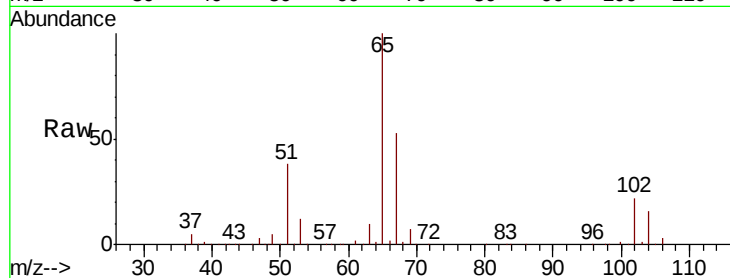
SU19-MSW0619

Tot Ion: 65 Resp: 122877

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

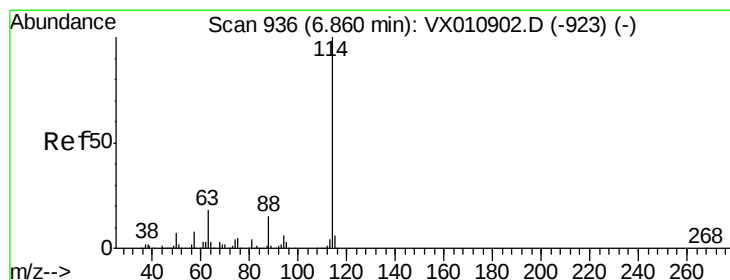
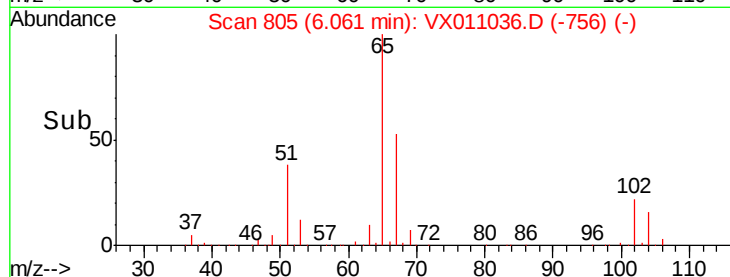
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

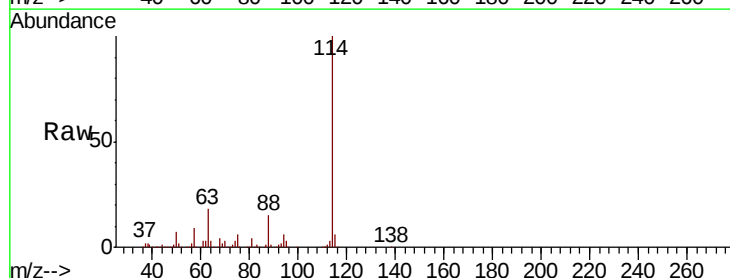
Tgt Ion: 114 Resp: 356968

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

88 15.4 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

200000

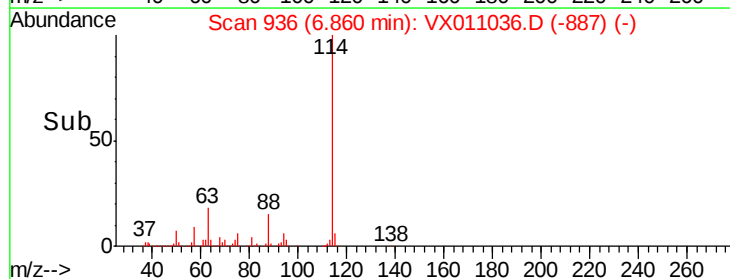
150000

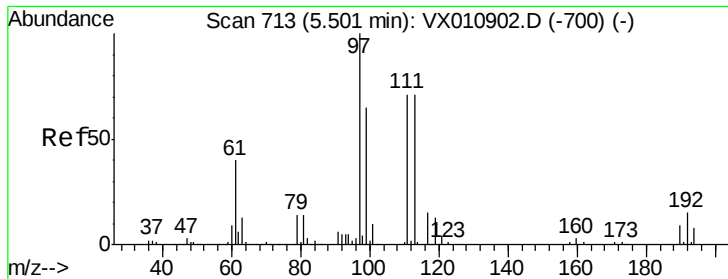
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.509 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

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ClientSampleId :

SU19-MSW0619

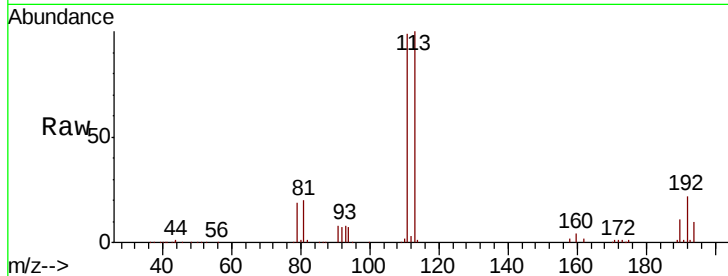
Tot Ion:113 Resp: 112175

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

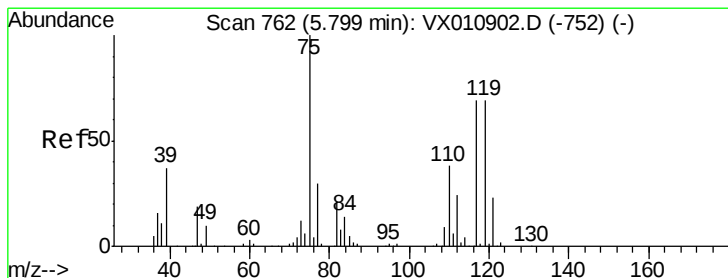
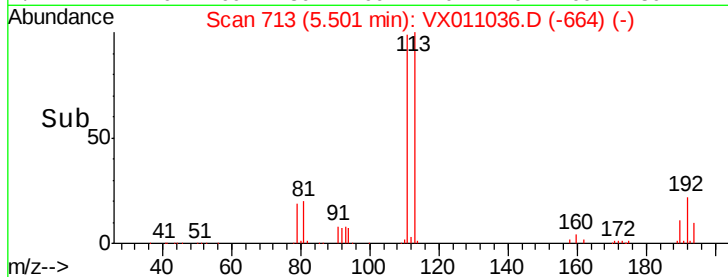
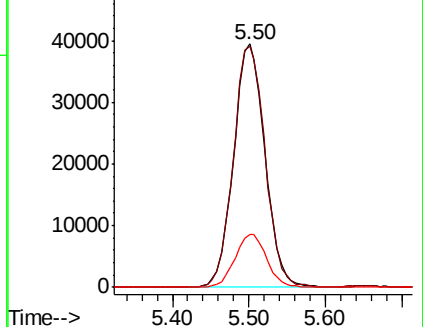
192 22.0 17.4 26.2



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: 5.081 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

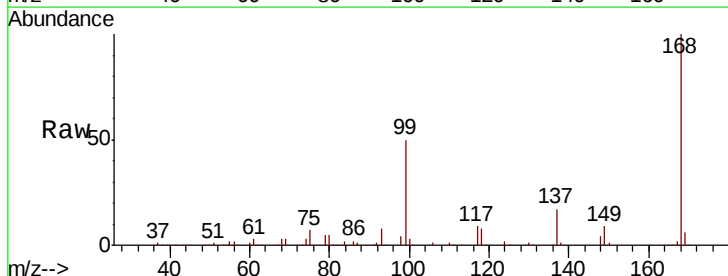
Tgt Ion: 75 Resp: 14897

Ion Ratio Lower Upper

75 100

110 10.3 19.9 59.7#

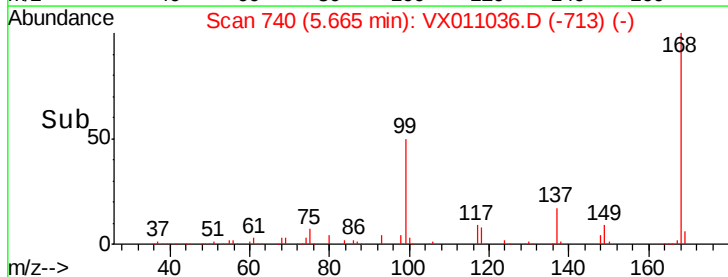
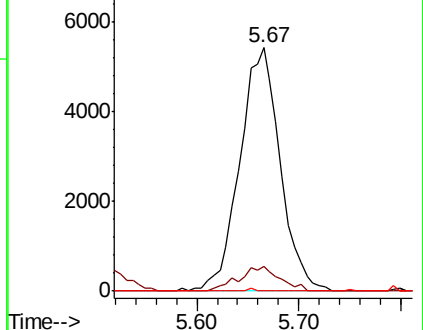
77 0.1 25.0 37.4#

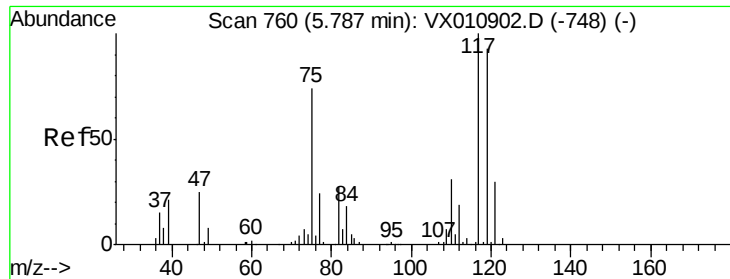


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0619

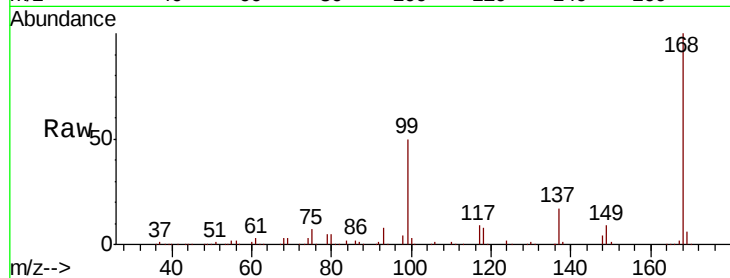
Tot Ion:117 Resp: 21074

Ion Ratio Lower Upper

117 100

119 2.9 74.2 111.2#

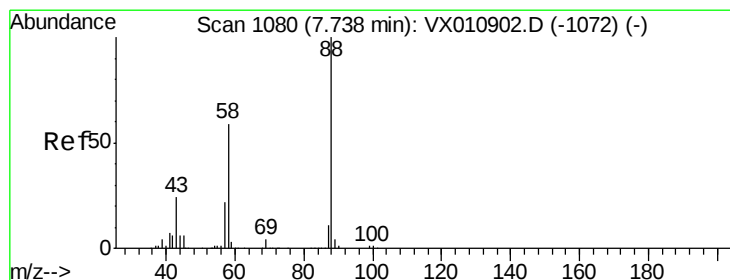
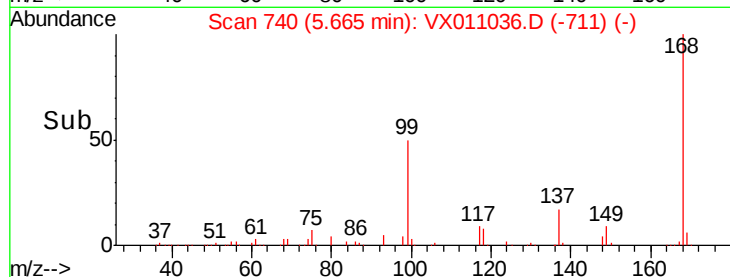
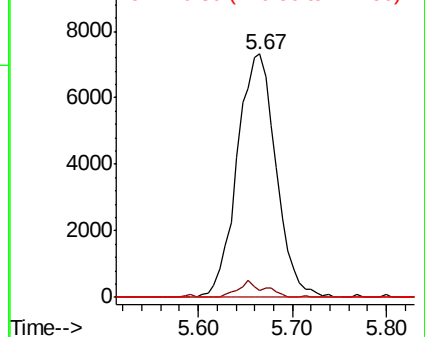
121 0.0 24.2 36.2#



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: 0.327 ug/l

RT: 7.98 min Scan# 1119

Delta R.T. 0.24 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

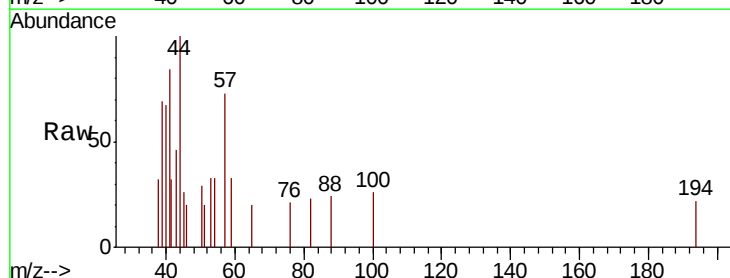
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

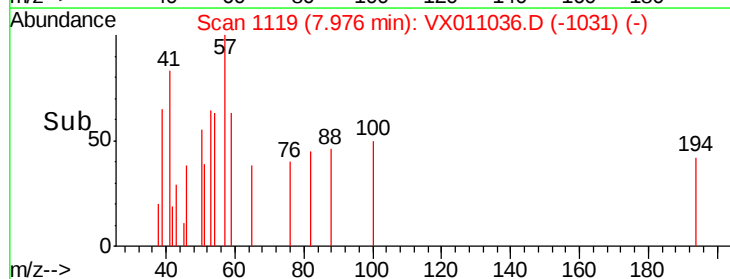
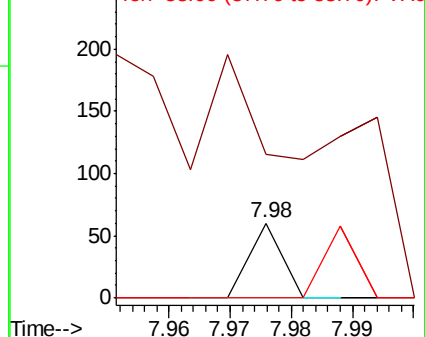
58 95.5 49.8 74.8#

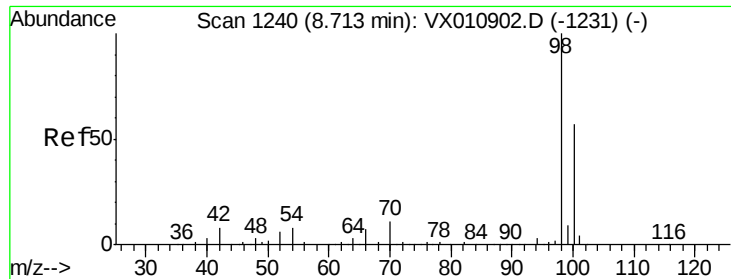


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.529 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

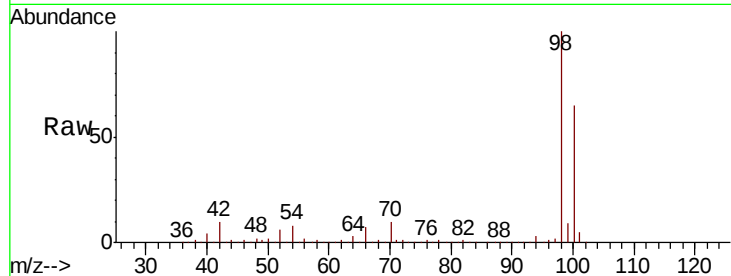
SU19-MSW0619

Tot Ion: 98 Resp: 429394

Ion Ratio Lower Upper

98 100

100 63.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

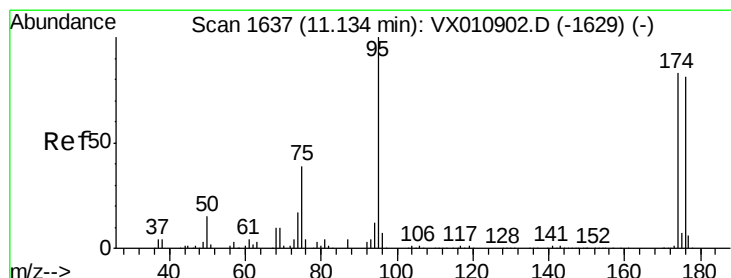
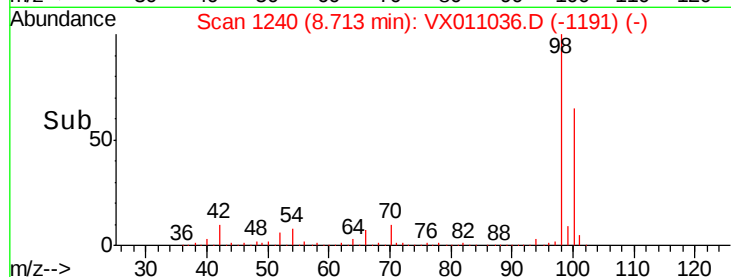
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 49.535 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

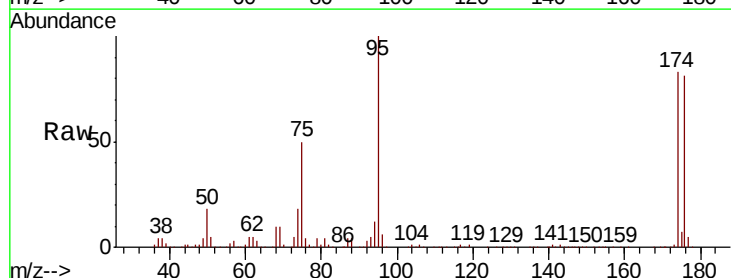
Tgt Ion: 95 Resp: 154729

Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.6

176 87.0 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

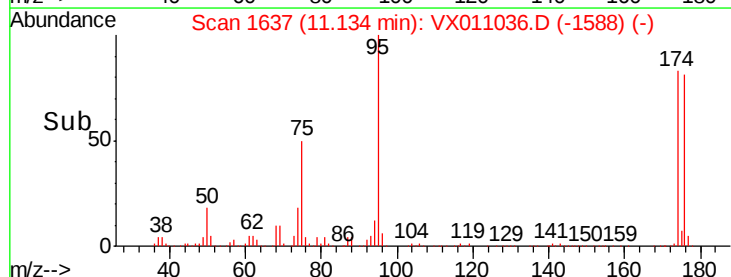
150000

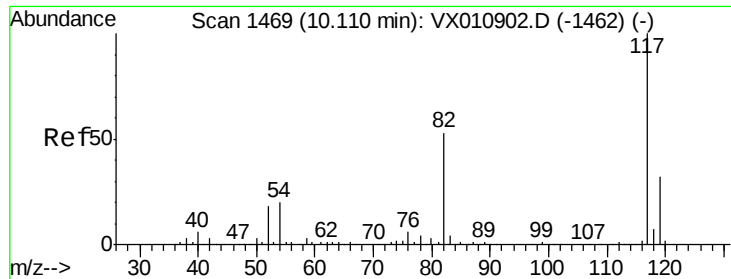
100000

50000

0

Time--> 11.10 11.20

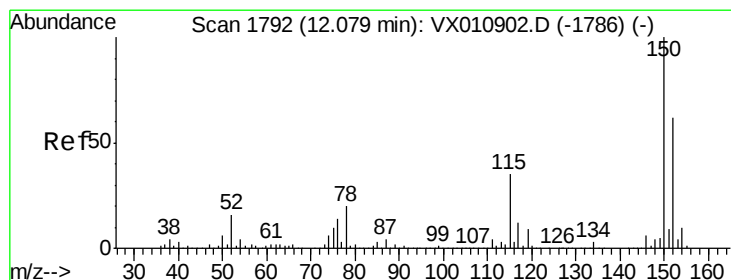
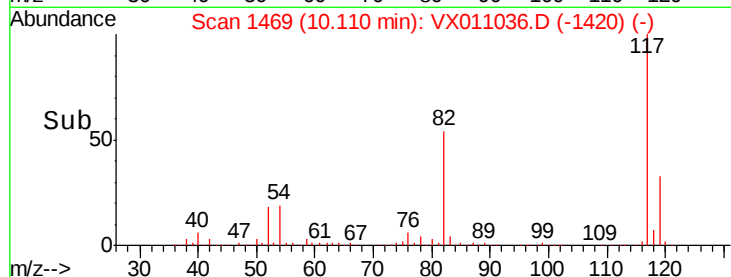
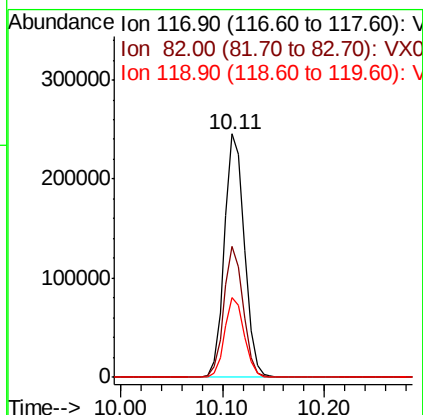
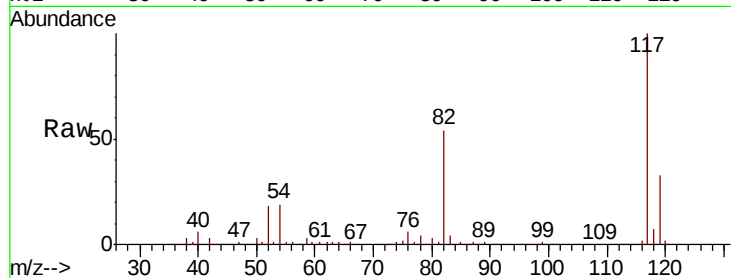




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011036.D
Acq: 22 Jul 2019 17:23

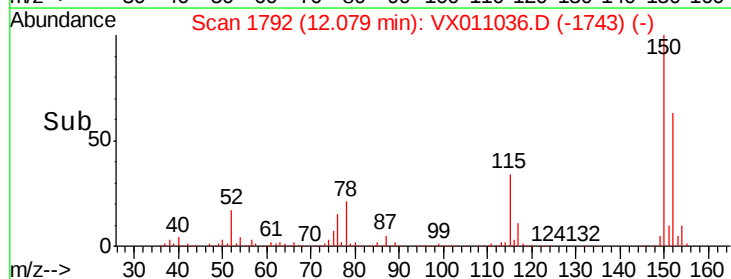
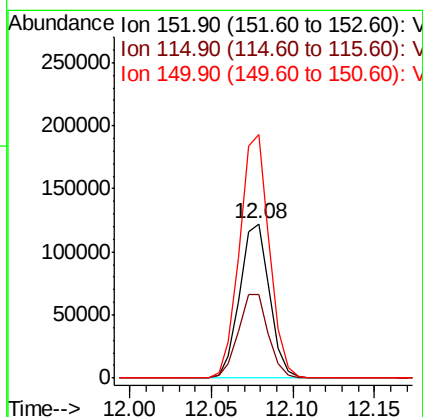
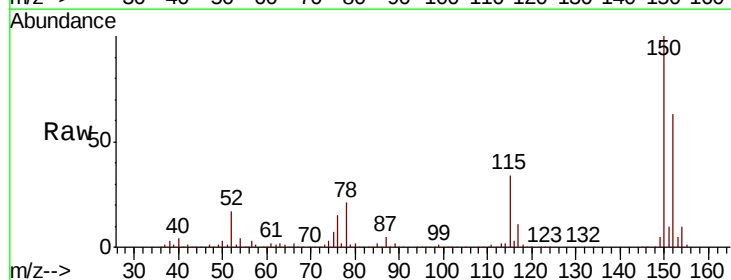
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0619

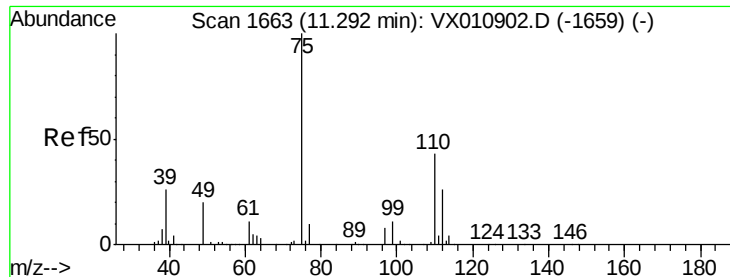
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	32.6	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011036.D
Acq: 22 Jul 2019 17:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	39.7	119.1
150	157.4	0.0	345.6





#76

1,2,3-Trichloropropane

Concen: 27.599 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

Instrument :

MSVOA_X

ClientSampleId :

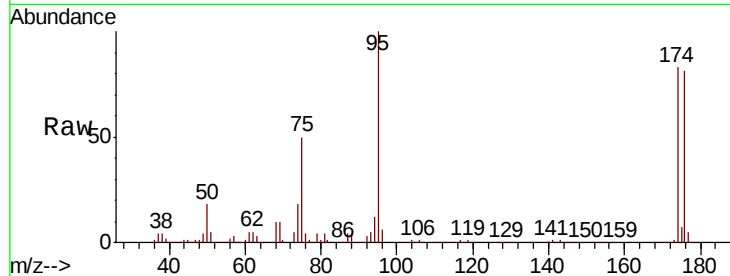
SU19-MSW0619

Tot Ion: 75 Resp: 77617

Ion Ratio Lower Upper

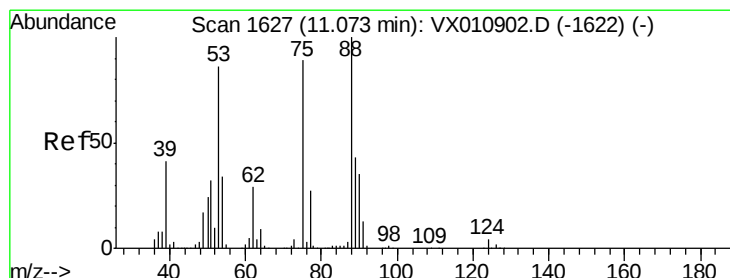
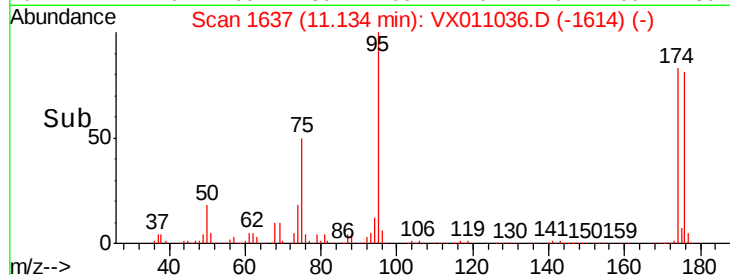
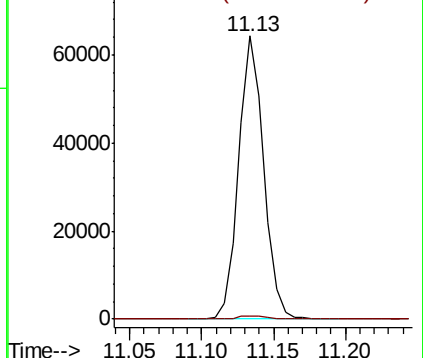
75 100

77 1.4 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: 68.339 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011036.D

Acq: 22 Jul 2019 17:23

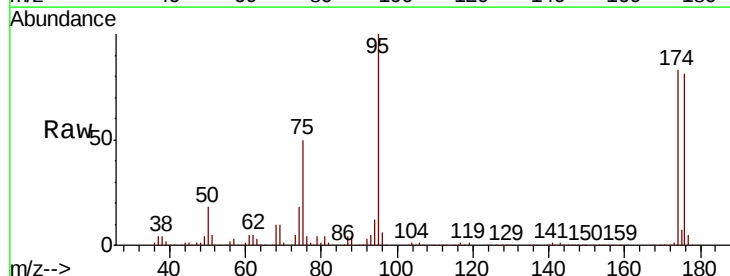
Tgt Ion: 75 Resp: 77617

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

