

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011147.D
 Acq On : 29 Jul 2019 15:48
 Operator : JC/SP
 Sample : K4019-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0321

Quant Time: Jul 30 05:06:50 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	191284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308399	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132811	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	105821	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	5.50	113	96573	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	372868	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	129859	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	

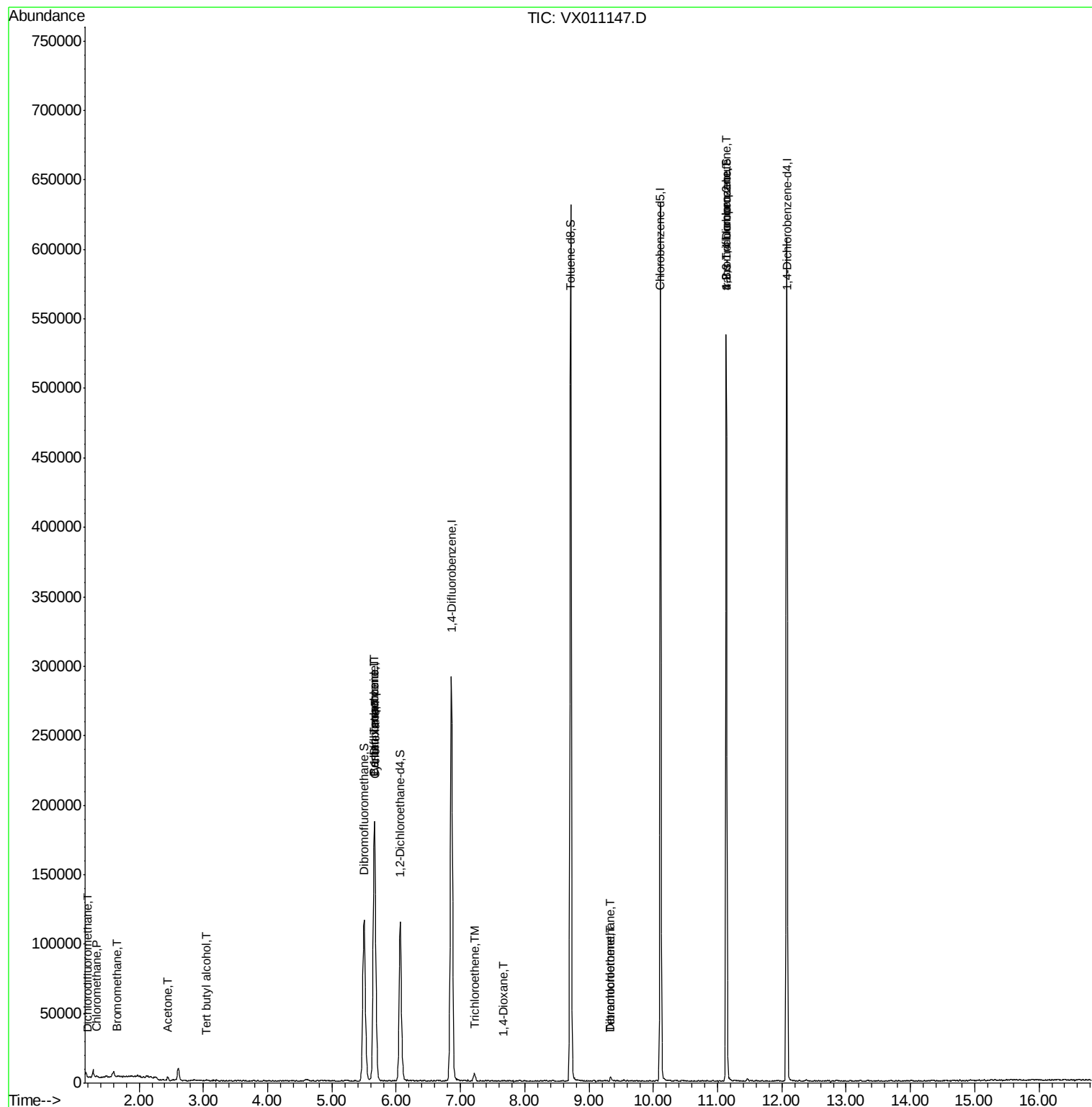
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25	0.558	ug/l #	43
3) Chloromethane	1.33	50	525	0.298	ug/l #	70
5) Bromomethane	1.65	94	595	0.588	ug/l	84
11) Tert butyl alcohol	3.05	59	494	1.042	ug/l #	88
16) Acetone	2.44	43	2642	2.875	ug/l	100
31) Cyclohexane	5.67	56	3394	1.228	ug/l #	36
36) 1,1-Dichloropropene	5.66	75	12810	5.057	ug/l #	50
38) Carbon Tetrachloride	5.67	117	18343	6.949	ug/l #	19
44) Trichloroethene	7.21	130	2102	0.915	ug/l	100
49) 1,4-Dioxane	7.67	88	20	0.344	ug/l #	1
60) Dibromochloromethane	9.34	129	619	2.771	ug/l #	11
64) Tetrachloroethene	9.33	164	601	0.263	ug/l #	74
76) 1,2,3-Trichloropropane	11.13	75	64743	27.014	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	64743	66.974	ug/l #	11

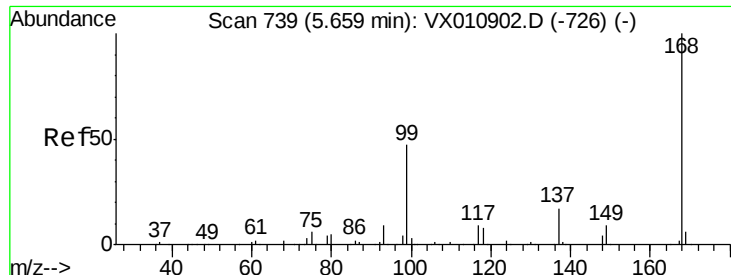
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

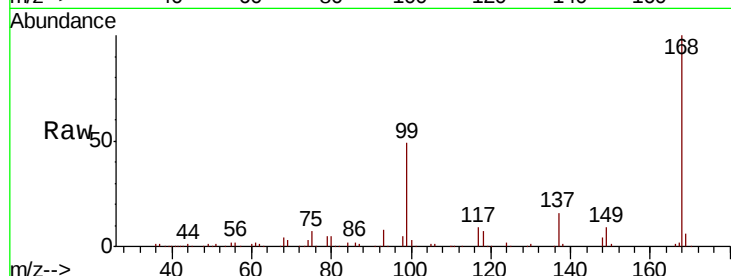
SU19-MSW0321

Tot Ion:168 Resp: 191284

Ion Ratio Lower Upper

168 100

99 49.1 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

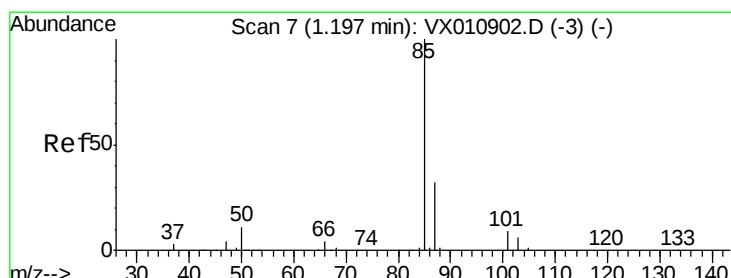
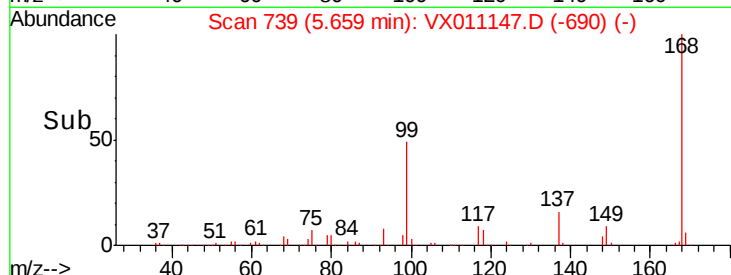
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.558 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011147.D

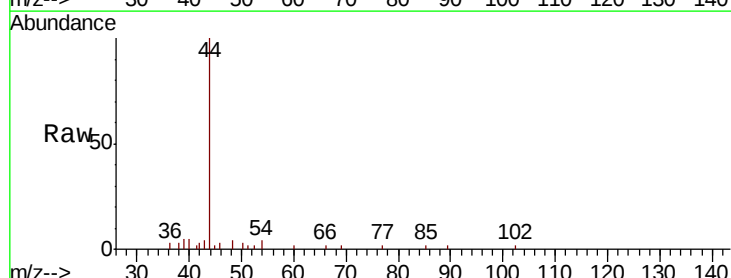
Acq: 29 Jul 2019 15:48

Tgt Ion: 85 Resp: 25

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

1.20

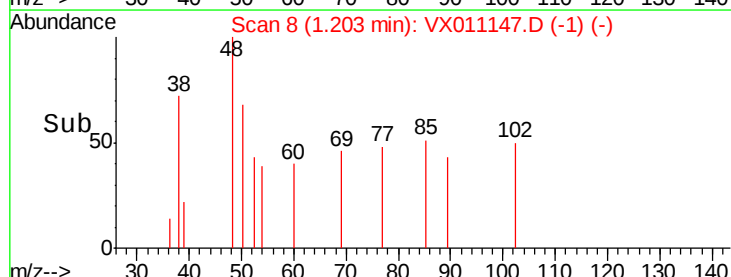
60

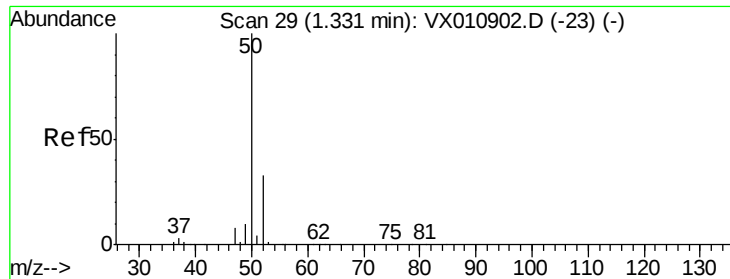
40

20

0

Time--> 1.18 1.19 1.20 1.21 1.22





#3

Chloromethane

Concen: 0.298 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

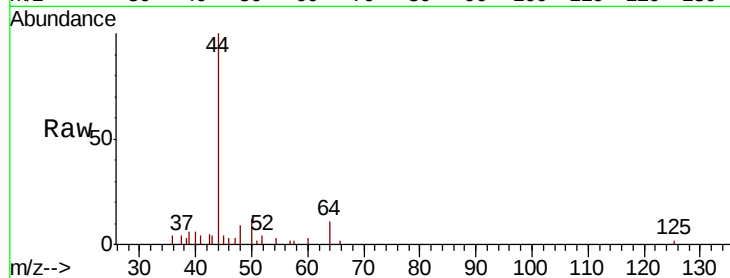
SU19-MSW0321

Tot Ion: 50 Resp: 525

Ion Ratio Lower Upper

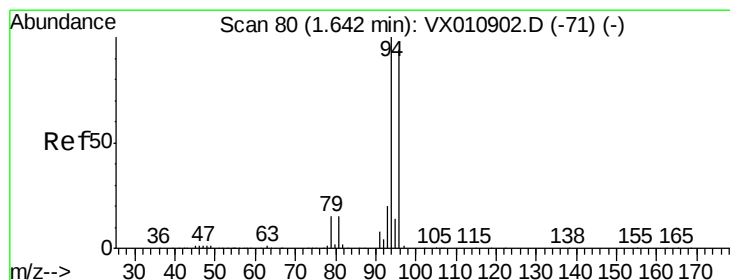
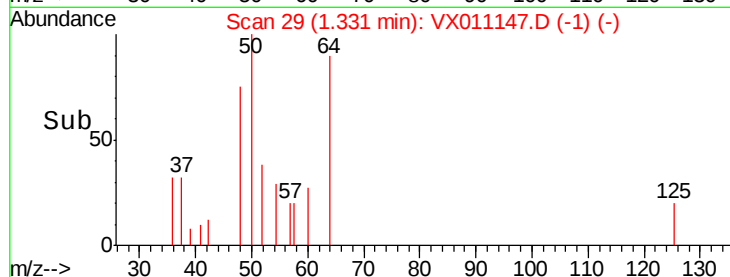
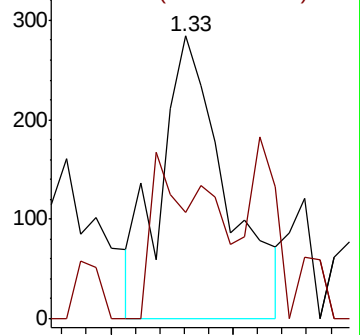
50 100

52 50.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: 0.588 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011147.D

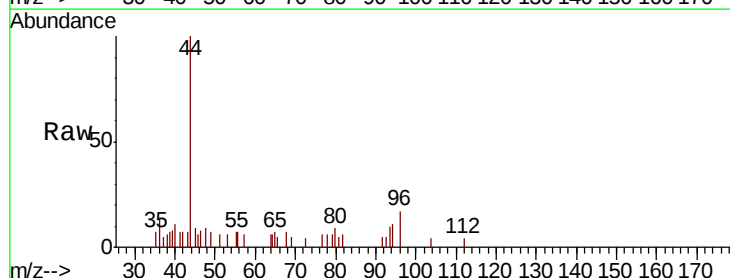
Acq: 29 Jul 2019 15:48

Tgt Ion: 94 Resp: 595

Ion Ratio Lower Upper

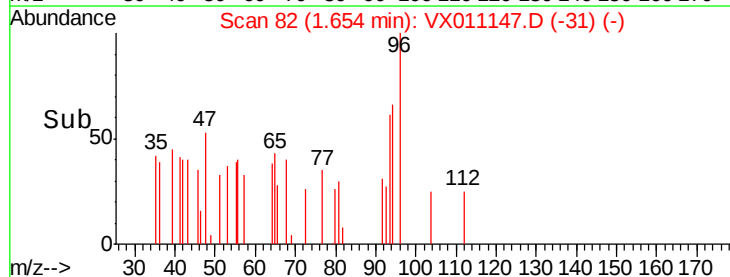
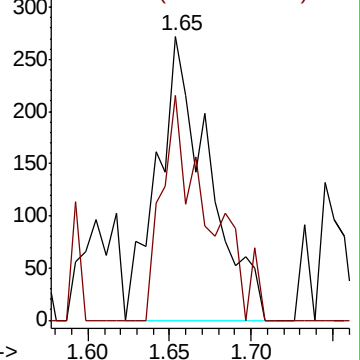
94 100

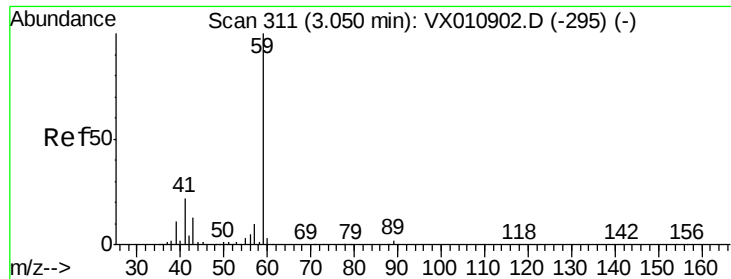
96 79.0 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

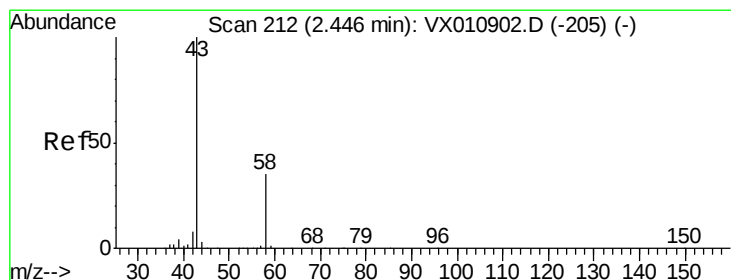
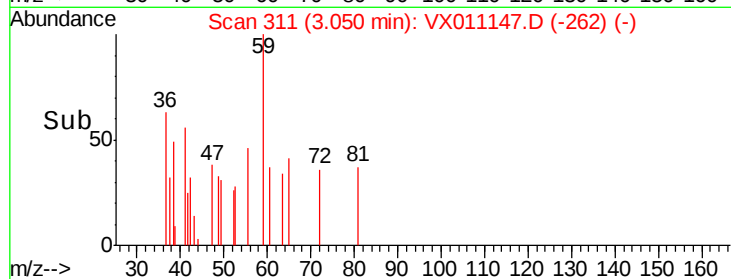
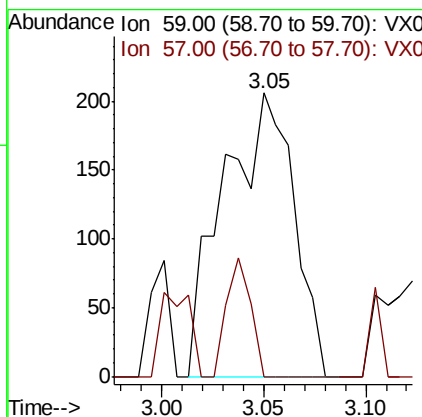
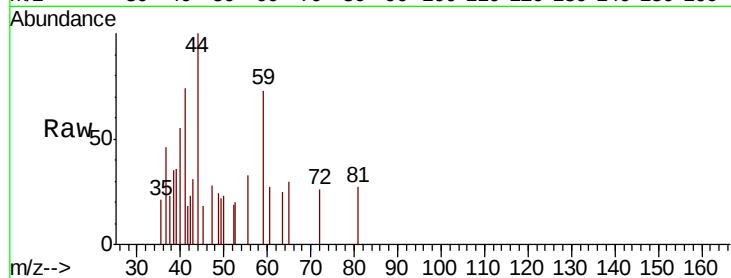




#11
Tert butyl alcohol
Concen: 1.042 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011147.D
Acq: 29 Jul 2019 15:48

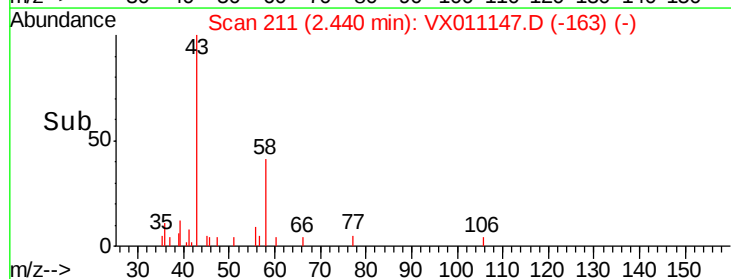
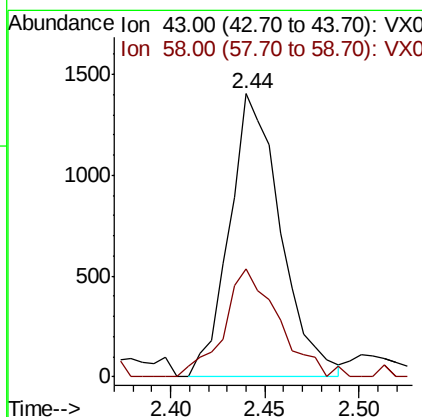
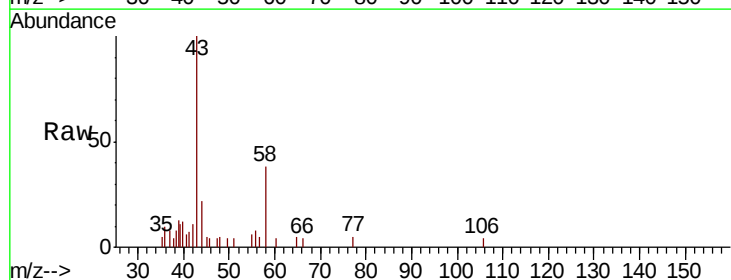
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0321

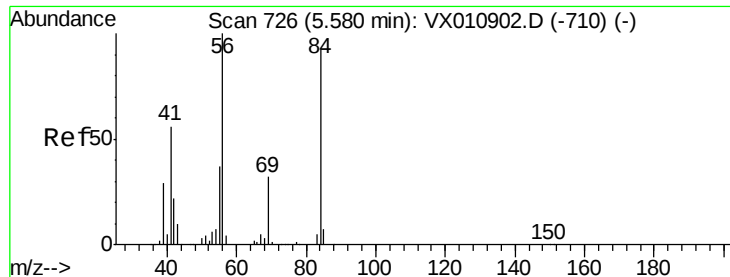
Tot Ion: 59 Resp: 494
Ion Ratio Lower Upper
59 100
57 14.2 7.9 11.9#



#16
Acetone
Concen: 2.875 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX011147.D
Acq: 29 Jul 2019 15:48

Tgt Ion: 43 Resp: 2642
Ion Ratio Lower Upper
43 100
58 34.6 27.7 41.5

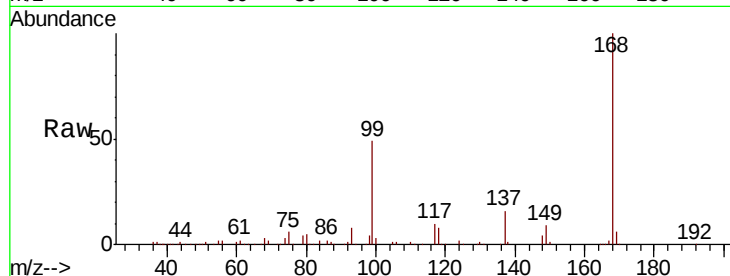




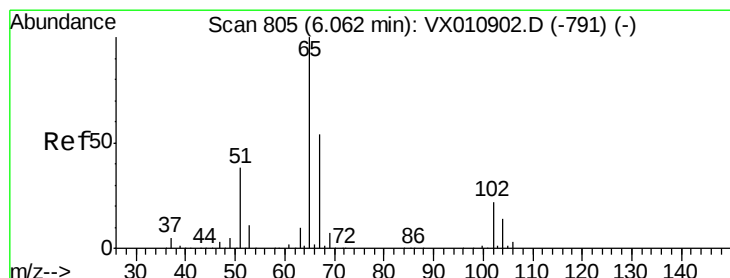
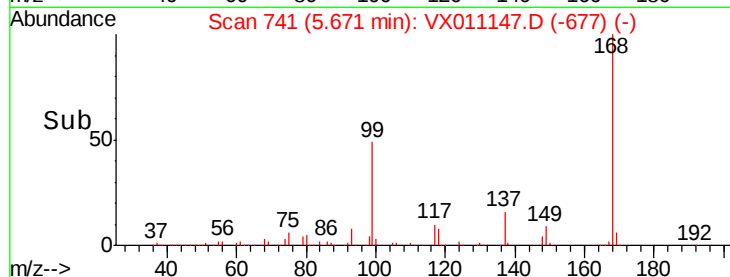
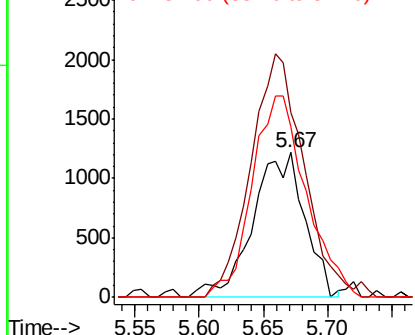
#31
Cyclohexane
Concen: 1.228 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.09 min
Lab File: VX011147.D
Acq: 29 Jul 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0321

Tot Ion: 56 Resp: 3394
Ion Ratio Lower Upper
56 100
69 127.5 25.8 38.8#
84 117.9 73.8 110.6#

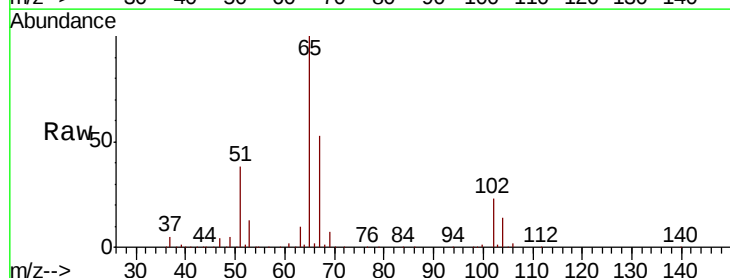


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

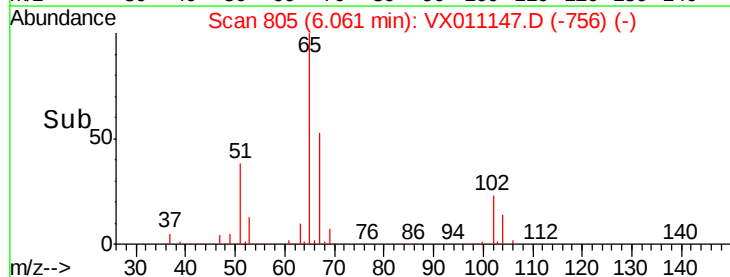
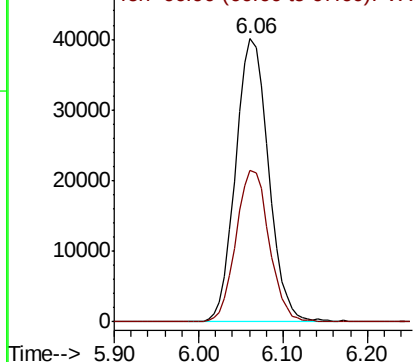


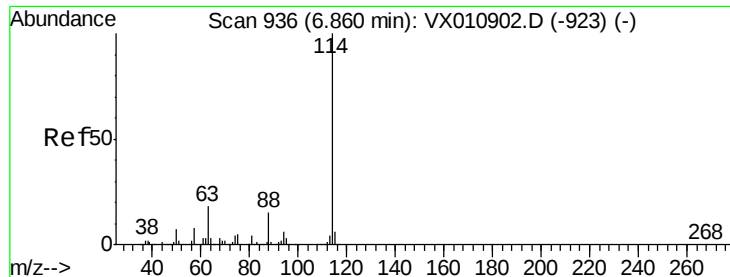
#33
1,2-Dichloroethane-d4
Concen: 52.001 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011147.D
Acq: 29 Jul 2019 15:48

Tgt Ion: 65 Resp: 105821
Ion Ratio Lower Upper
65 100
67 53.9 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: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0321

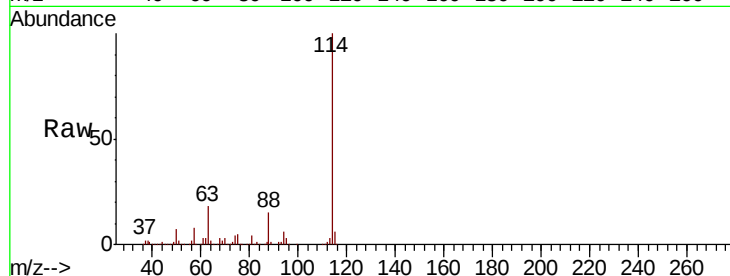
Tot Ion:114 Resp: 308399

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

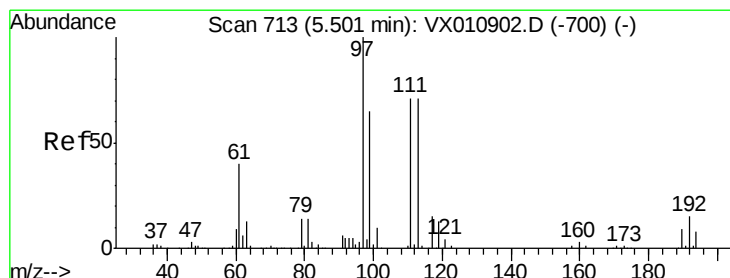
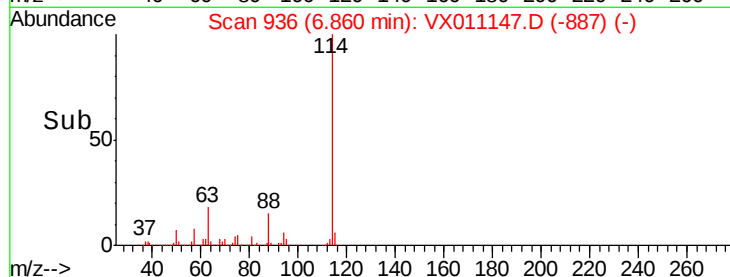
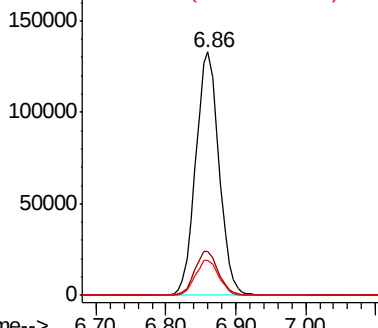
88 14.6 0.0 29.8



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: 49.336 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

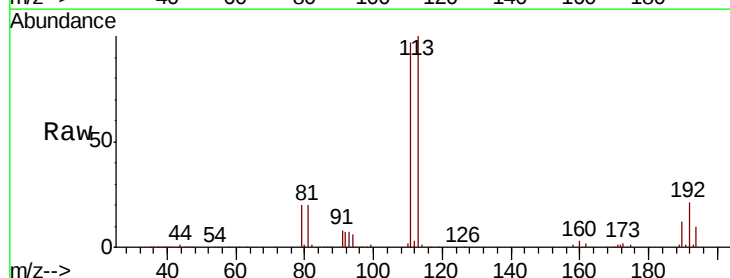
Tgt Ion:113 Resp: 96573

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

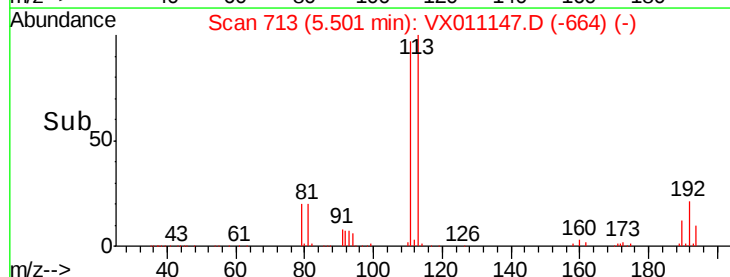
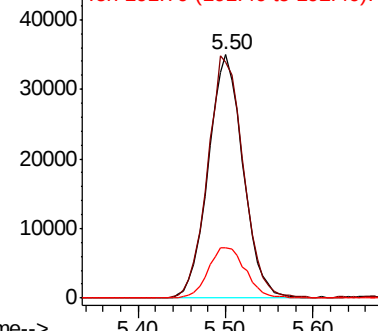
192 22.3 17.4 26.2

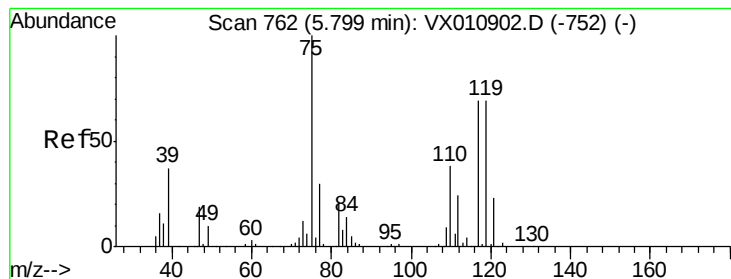


Abundance Ion 112.80 (112.50 to 113.50): V

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: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

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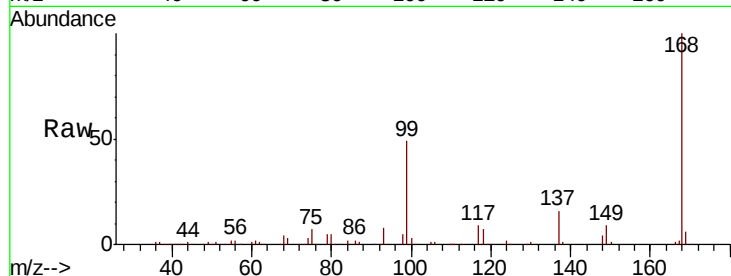
Tot Ion: 75 Resp: 12810

Ion Ratio Lower Upper

75 100

110 12.0 19.9 59.7#

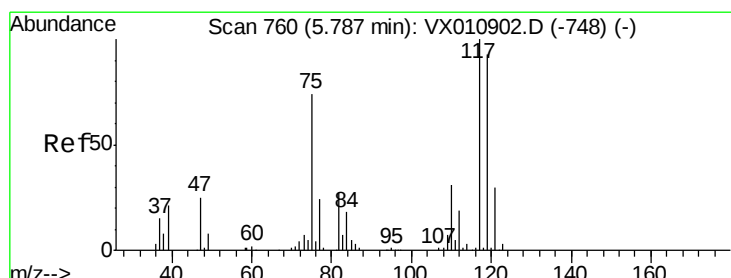
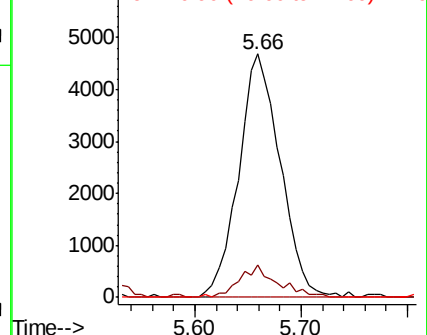
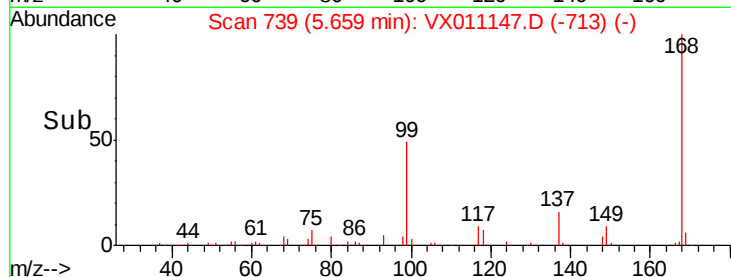
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.949 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

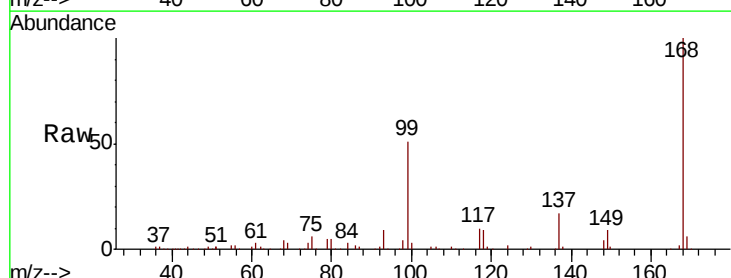
Tgt Ion:117 Resp: 18343

Ion Ratio Lower Upper

117 100

119 6.7 74.2 111.2#

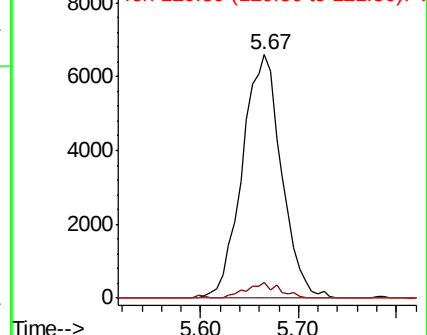
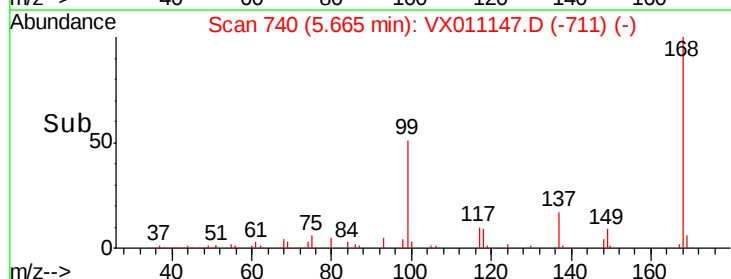
121 0.0 24.2 36.2#

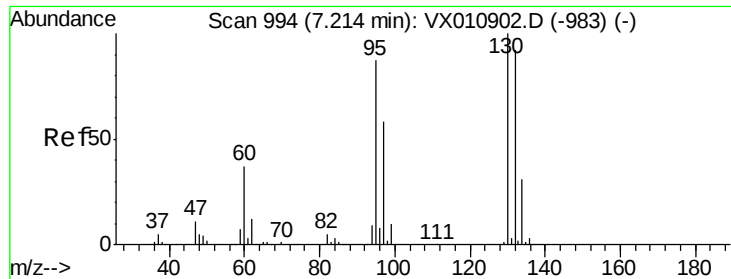


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.915 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

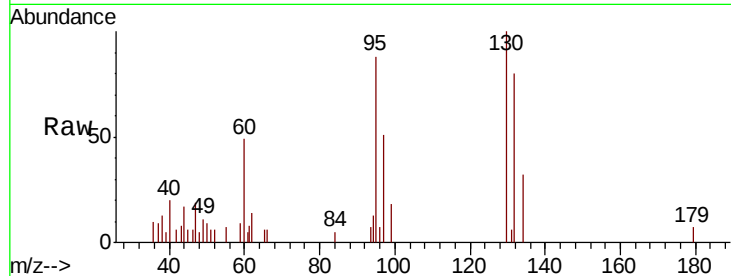
SU19-MSW0321

Tot Ion:130 Resp: 2102

Ion Ratio Lower Upper

130 100

95 87.8 0.0 174.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1200

1000

800

600

400

200

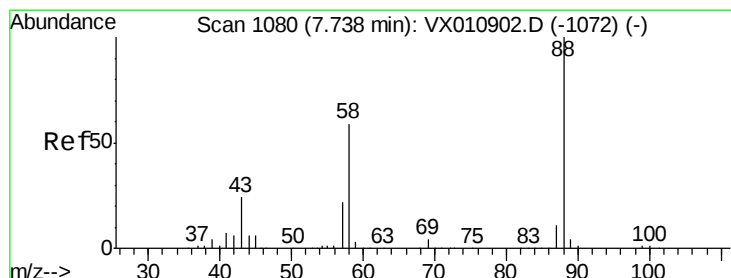
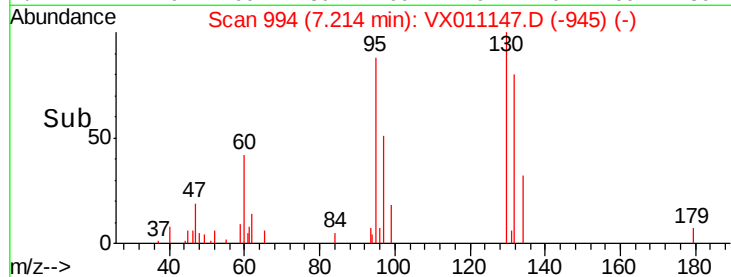
0

Time-->

7.15

7.20

7.25



#49

1,4-Dioxane

Concen: 0.344 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.07 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

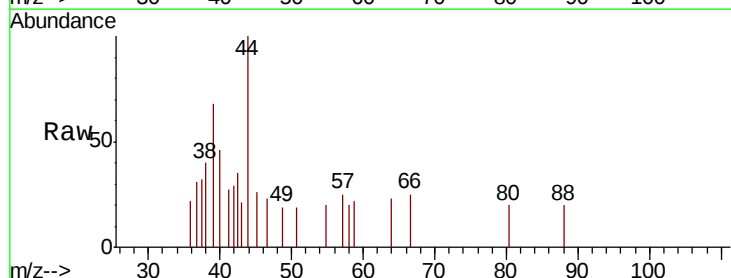
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 235.0 22.9 34.3#

58 675.0 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

120

100

80

60

40

20

0

Time-->

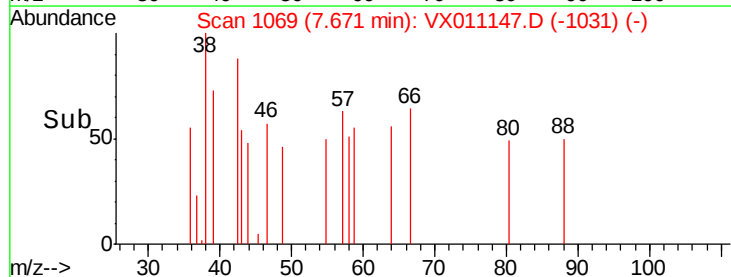
7.65

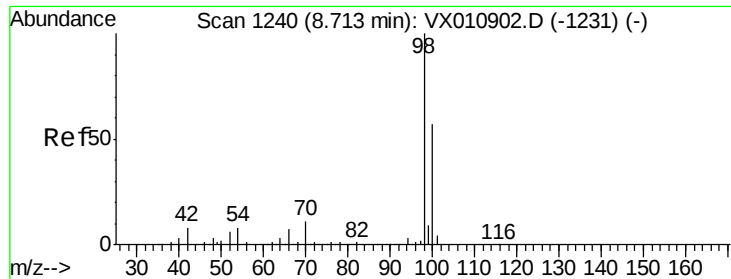
7.66

7.67

7.68

7.69





#50

Toluene-d8

Concen: 50.787 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

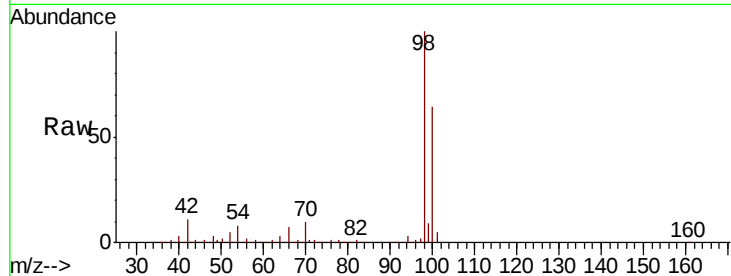
SU19-MSW0321

Tot Ion: 98 Resp: 372868

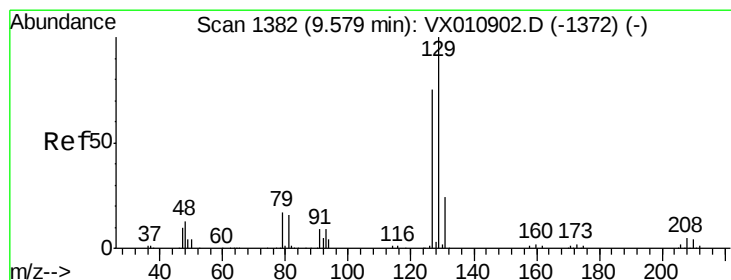
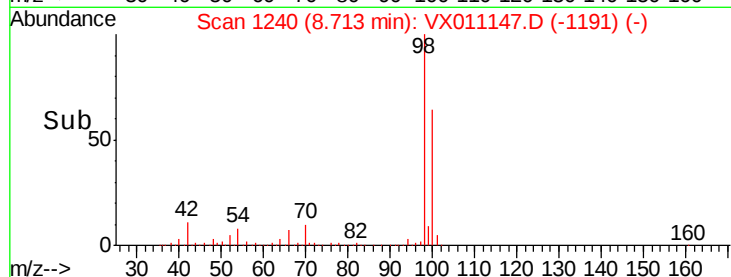
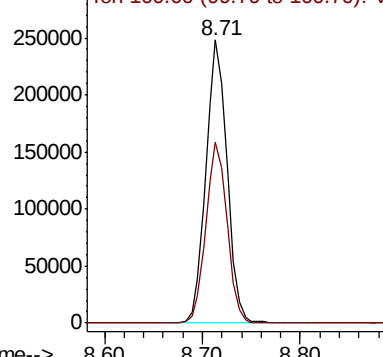
Ion Ratio Lower Upper

98 100

100 64.2 50.6 75.8



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



#60

Dibromochloromethane

Concen: 2.771 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011147.D

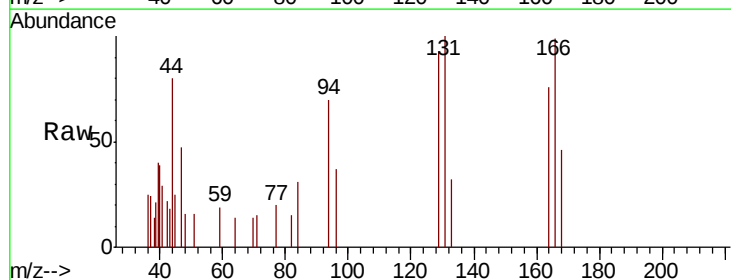
Acq: 29 Jul 2019 15:48

Tgt Ion: 129 Resp: 619

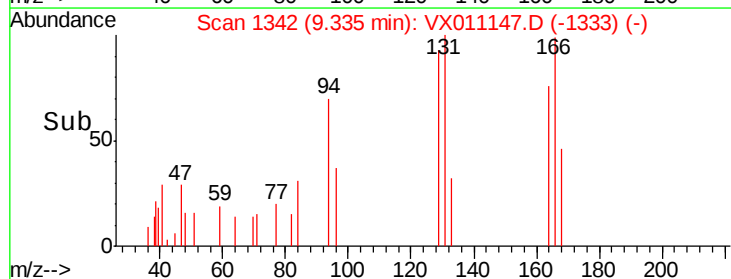
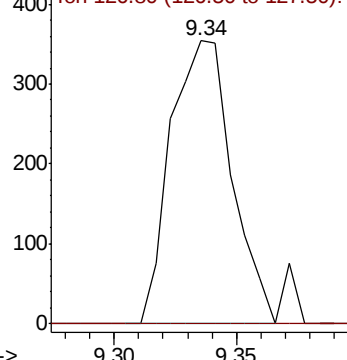
Ion Ratio Lower Upper

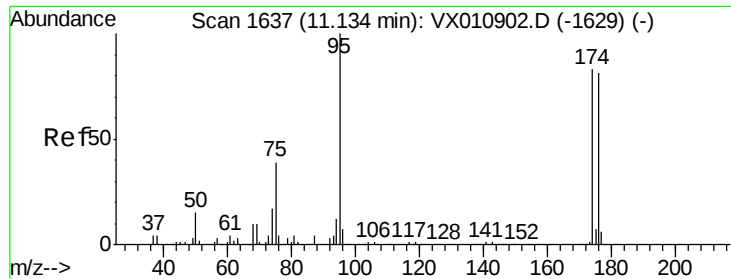
129 100

127 0.0 38.6 115.8#



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





#62

4-Bromofluorobenzene

Concen: 48.121 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0321

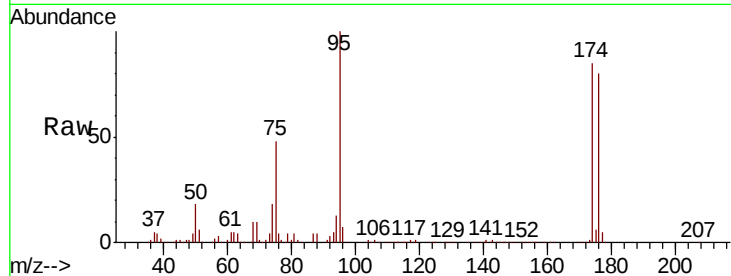
Tot Ion: 95 Resp: 129859

Ion Ratio Lower Upper

95 100

174 92.1 0.0 180.6

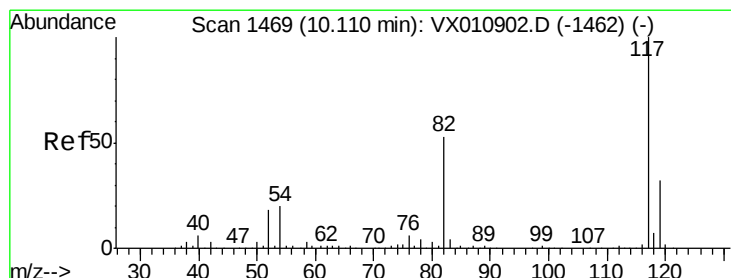
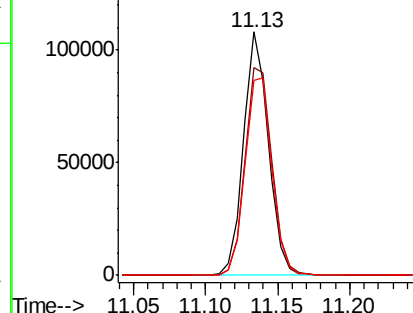
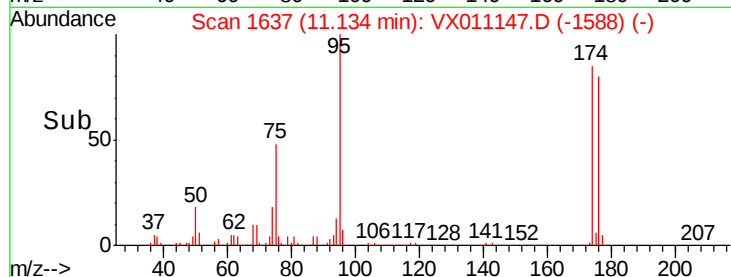
176 87.7 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011147.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011147.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011147.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

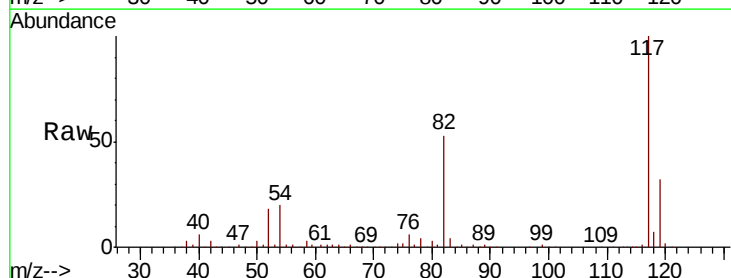
Tgt Ion: 117 Resp: 290049

Ion Ratio Lower Upper

117 100

82 52.8 42.6 63.8

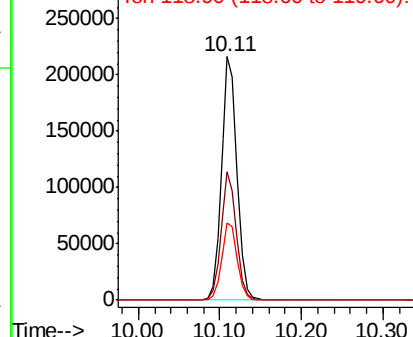
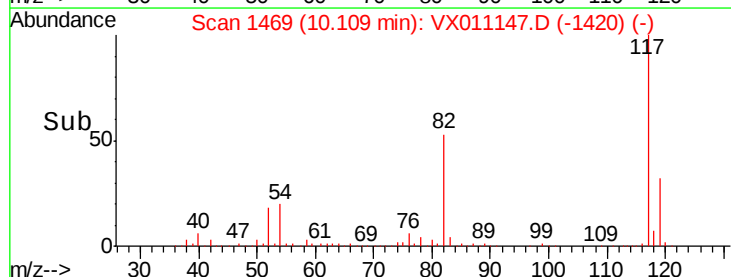
119 31.7 25.9 38.9

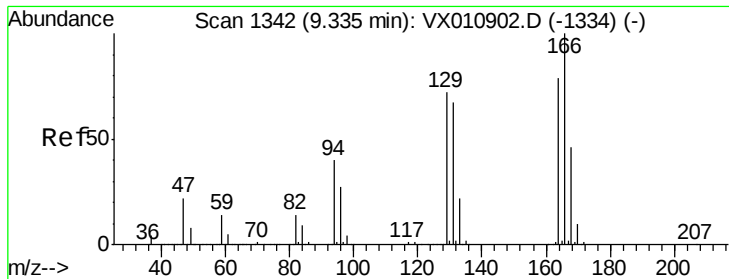


Abundance Ion 116.90 (116.60 to 117.60): VX011147.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011147.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011147.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.263 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0321

Tot Ion:164 Resp: 601

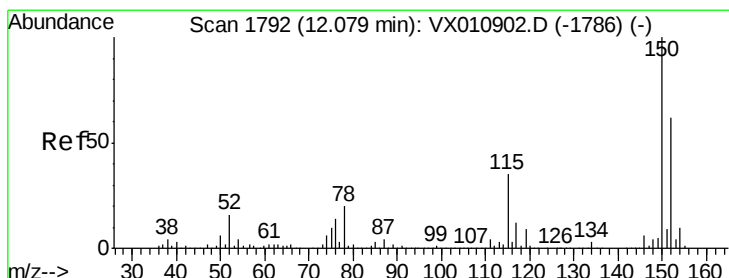
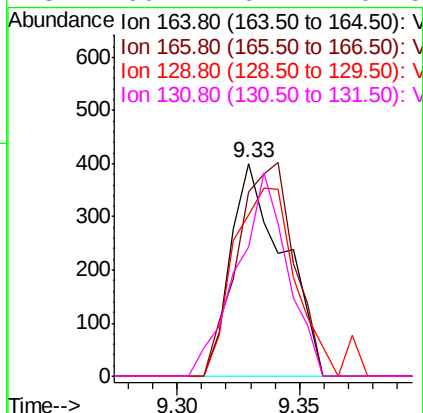
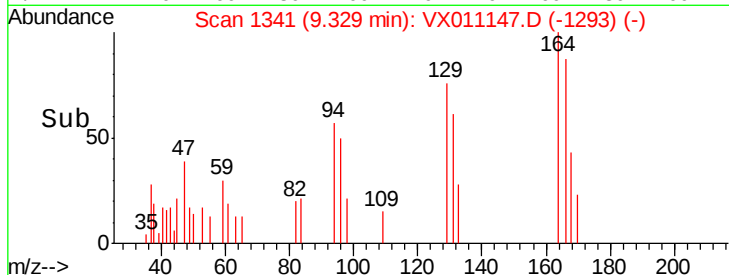
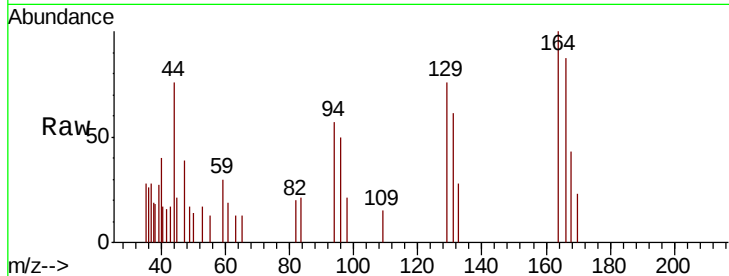
Ion Ratio Lower Upper

164 100

166 86.8 100.8 151.2#

129 75.8 72.6 109.0

131 60.7 67.7 101.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011147.D

Acq: 29 Jul 2019 15:48

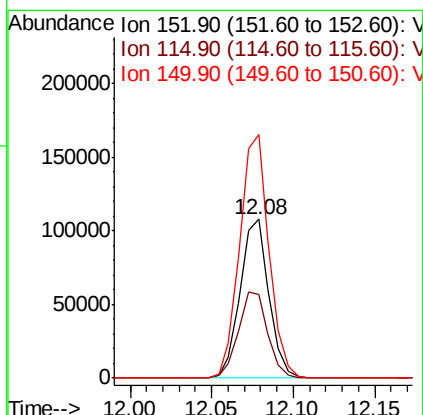
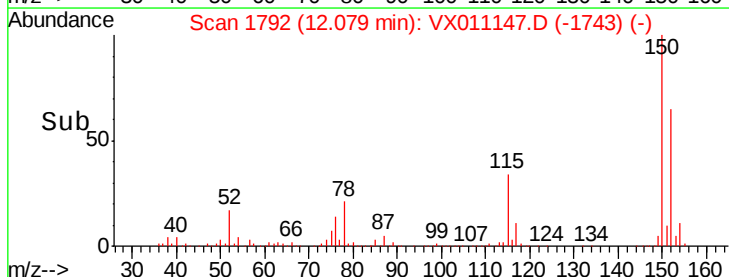
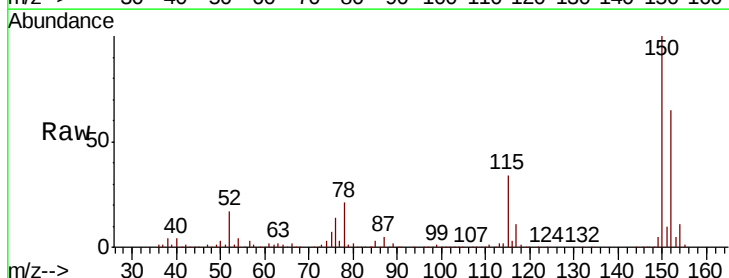
Tgt Ion:152 Resp: 132811

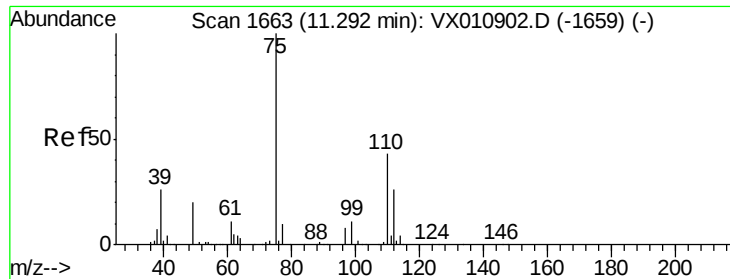
Ion Ratio Lower Upper

152 100

115 55.2 39.7 119.1

150 155.9 0.0 345.6

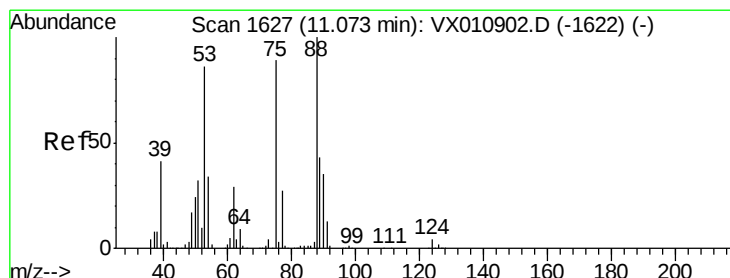
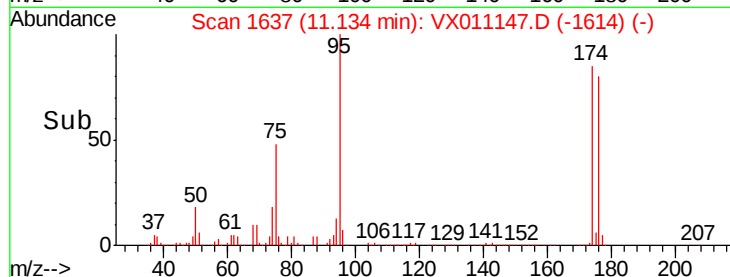
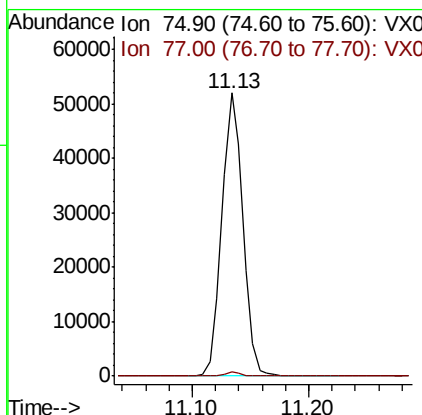
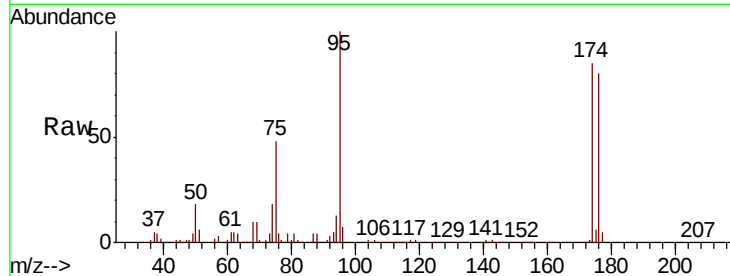




#76
 1,2,3-Trichloropropane
 Concen: 27.014 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011147.D
 Acq: 29 Jul 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0321

Tot Ion: 75 Resp: 64743
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 64.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.974 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011147.D
 Acq: 29 Jul 2019 15:48

Tgt Ion: 75 Resp: 64743
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.7 115.1#
 89 0.0 38.5 57.7#

