

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011148.D
 Acq On : 29 Jul 2019 16:12
 Operator : JC/SP
 Sample : K4019-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU19-MSW0322

Quant Time: Jul 30 05:07:00 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	187924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133232	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	105629	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	5.50	113	96745	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.71	98	370763	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	129182	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

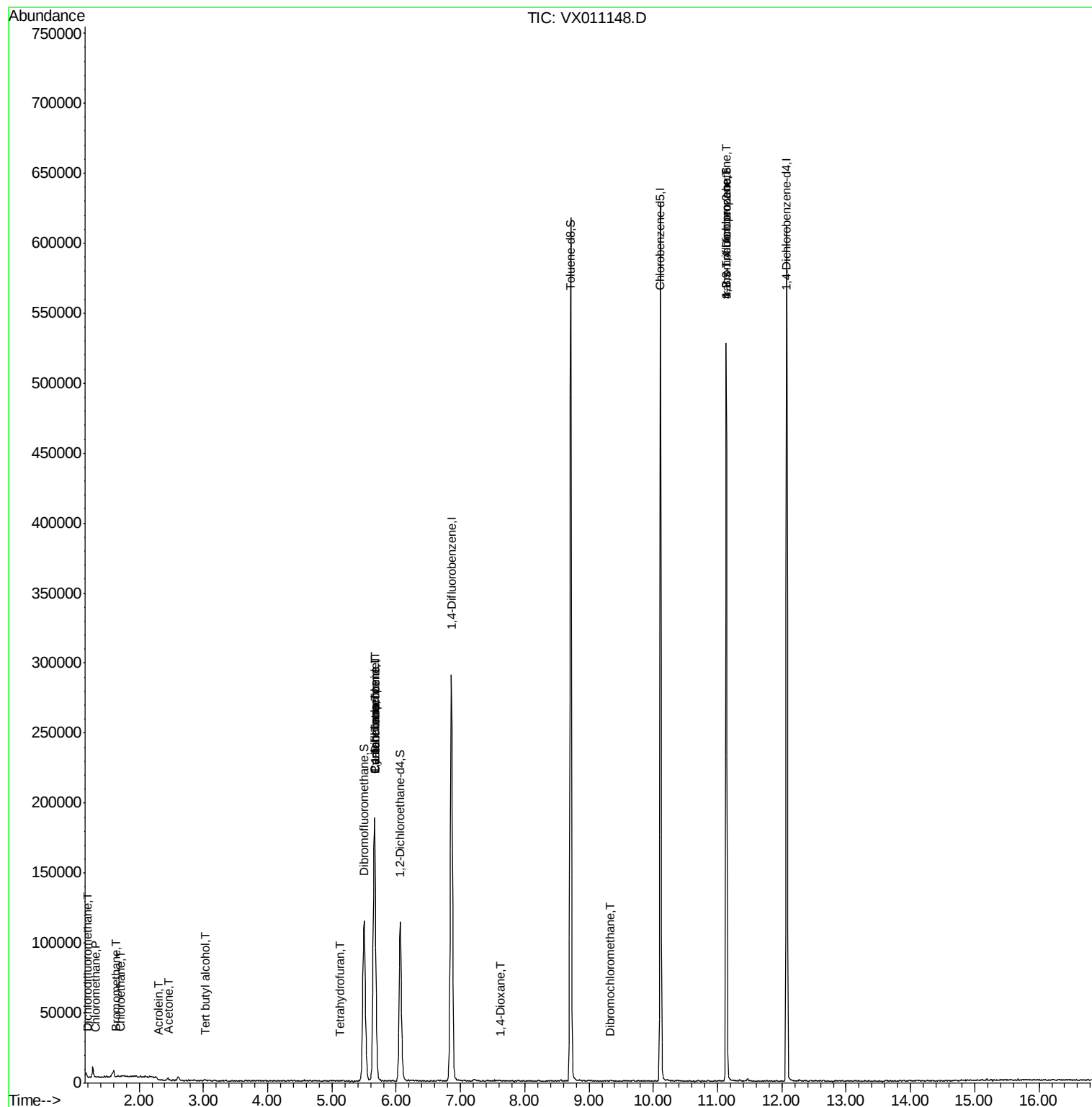
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	19	0.556	ug/l #	43
3) Chloromethane	1.33	50	436	0.252	ug/l #	67
5) Bromomethane	1.65	94	636	0.640	ug/l	90
6) Chloroethane	1.71	64	359	0.320	ug/l #	41
11) Tert butyl alcohol	3.04	59	441	0.947	ug/l #	54
13) Acrolein	2.31	56	133	0.494	ug/l #	70
16) Acetone	2.45	43	1582	1.752	ug/l	98
29) Tetrahydrofuran	5.12	42	179	0.218	ug/l #	29
31) Cyclohexane	5.66	56	3558	1.311	ug/l #	17
36) 1,1-Dichloropropene	5.67	75	12557	5.002	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17854	6.825	ug/l #	16
49) 1,4-Dioxane	7.62	88	26	0.451	ug/l #	1
60) Dibromochloromethane	9.34	129	87	2.562	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	64839	26.969	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	64839	66.868	ug/l #	11

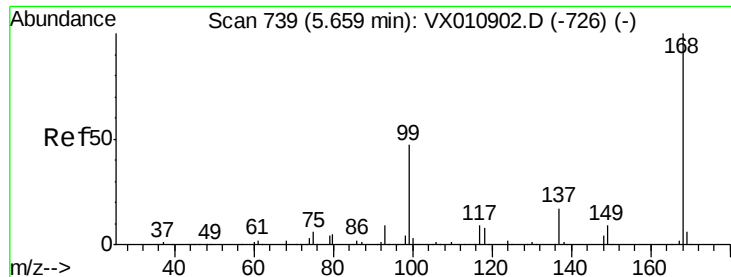
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072919\
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Quant Time: Jul 30 05:07:00 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: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

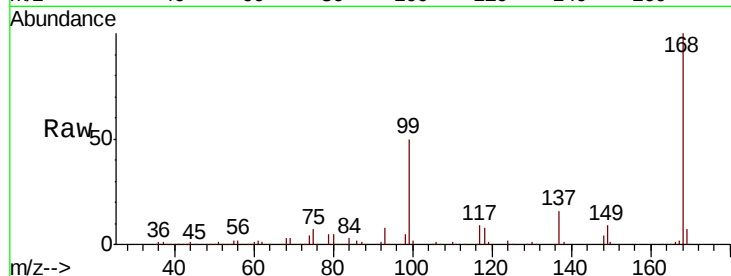
SU19-MSW0322

Tot Ion:168 Resp: 187924

Ion Ratio Lower Upper

168 100

99 50.0 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

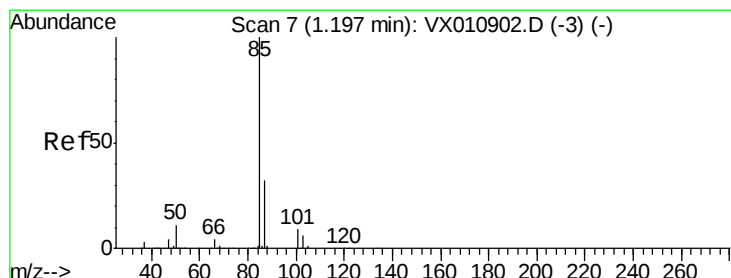
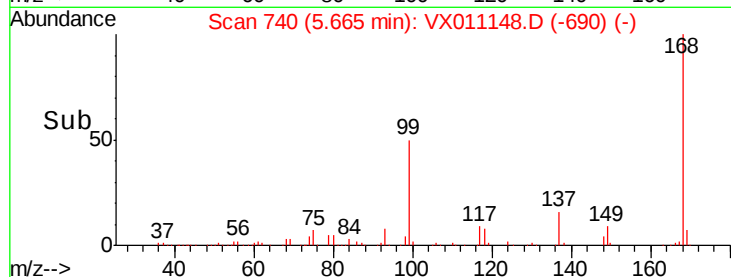
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.556 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX011148.D

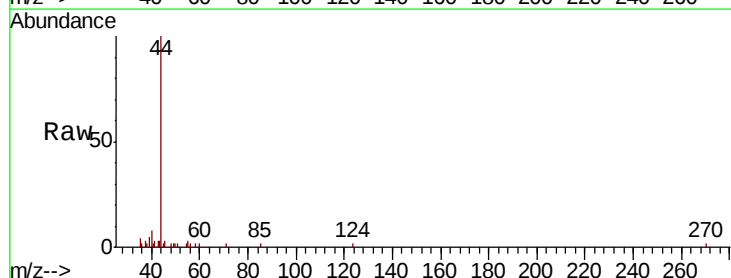
Acq: 29 Jul 2019 16:12

Tgt Ion: 85 Resp: 19

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

50

40

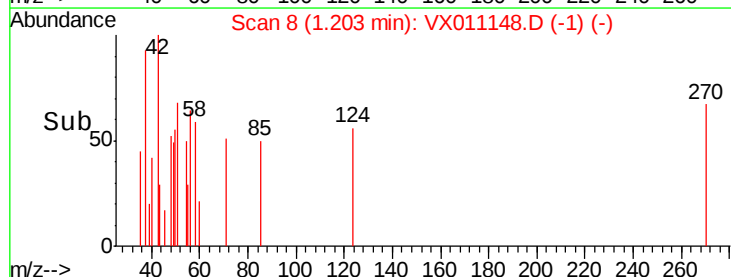
30

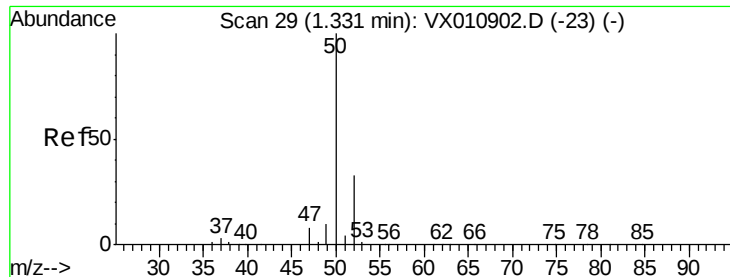
20

10

0

Time--> 1.18 1.19 1.20 1.21 1.22





#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

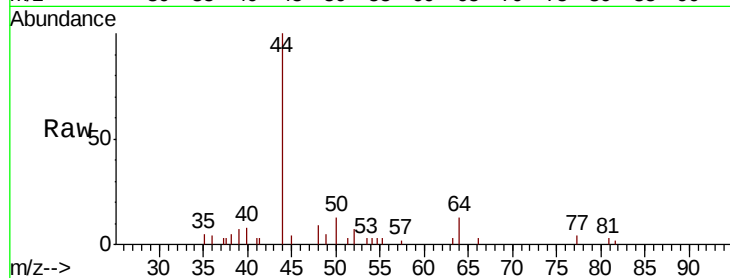
SU19-MSW0322

Tot Ion: 50 Resp: 436

Ion Ratio Lower Upper

50 100

52 51.7 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

250

200

150

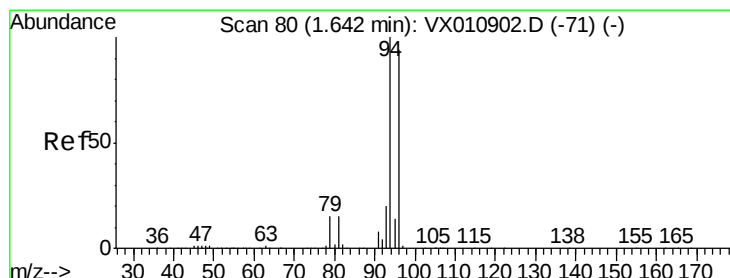
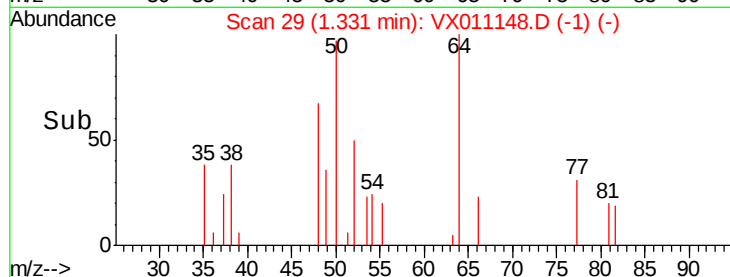
100

50

0

1.30 1.32 1.34 1.36

Time-->



#5

Bromomethane

Concen: 0.640 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX011148.D

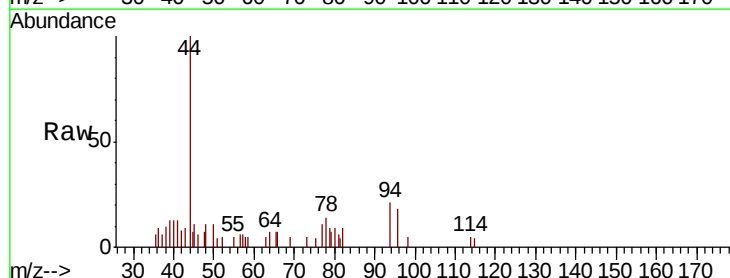
Acq: 29 Jul 2019 16:12

Tgt Ion: 94 Resp: 636

Ion Ratio Lower Upper

94 100

96 84.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

150

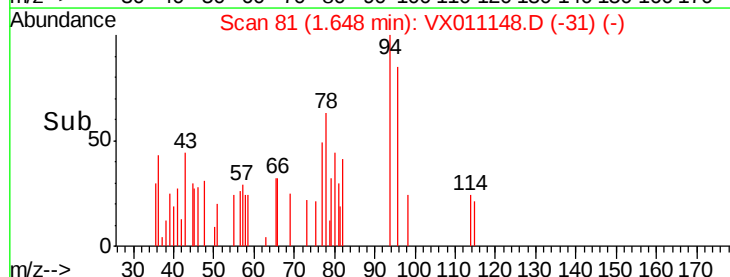
100

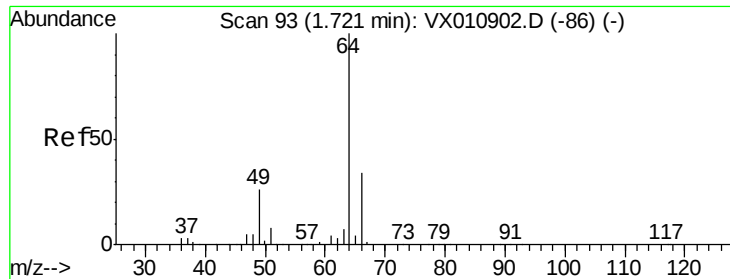
50

0

1.60 1.65 1.70

Time-->





#6

Chloroethane

Concen: 0.320 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

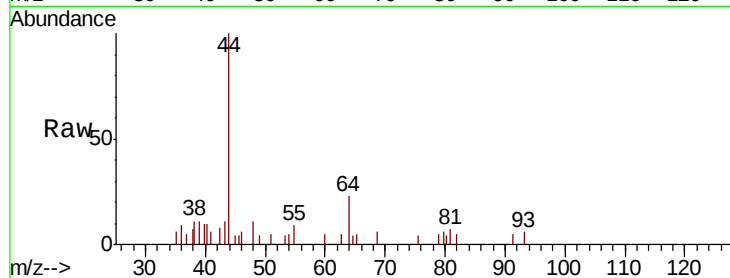
SU19-MSW0322

Tot Ion: 64 Resp: 359

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#

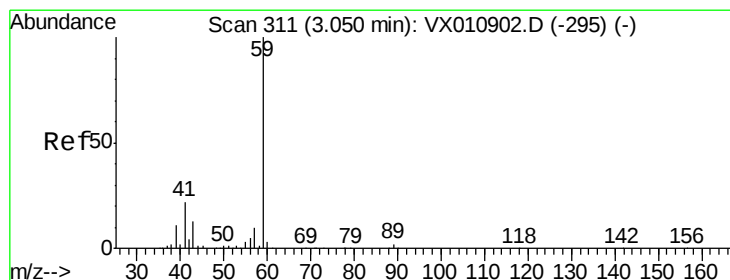
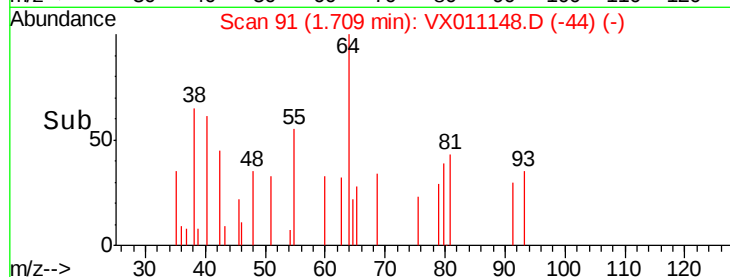


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

Time-->



#11

Tert butyl alcohol

Concen: 0.947 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX011148.D

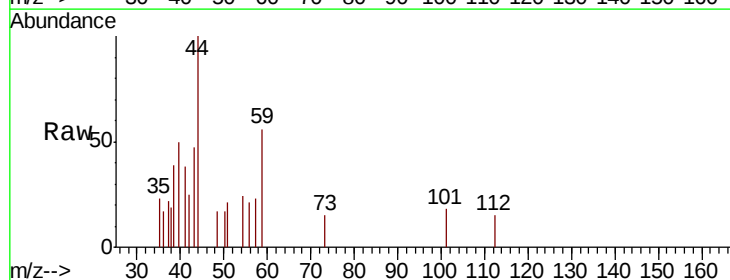
Acq: 29 Jul 2019 16:12

Tgt Ion: 59 Resp: 441

Ion Ratio Lower Upper

59 100

57 27.0 7.9 11.9#

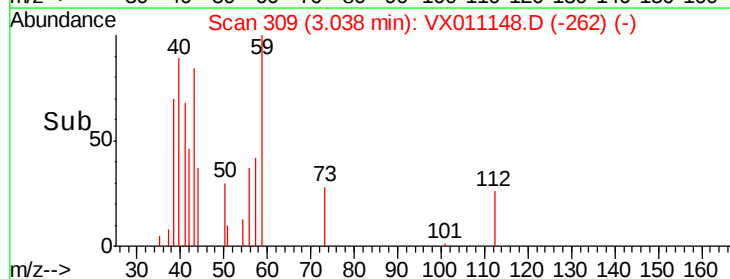


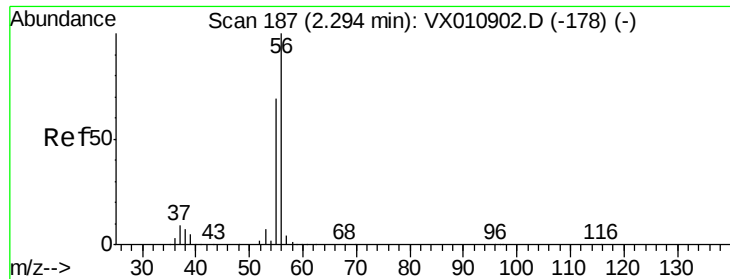
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

Time-->





#13

Acrolein

Concen: 0.494 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

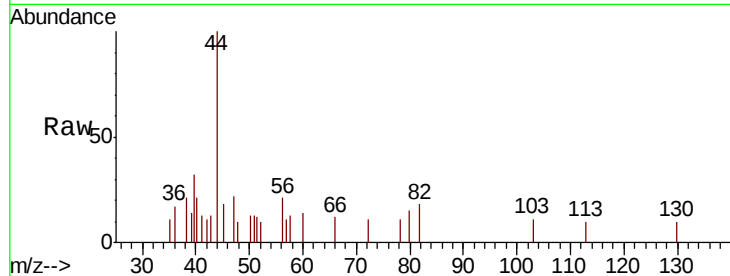
SU19-MSW0322

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 94.7 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.31

100

80

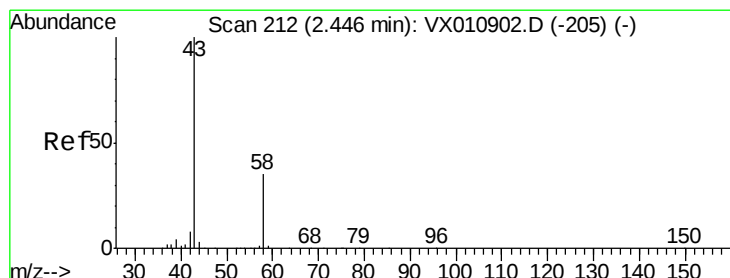
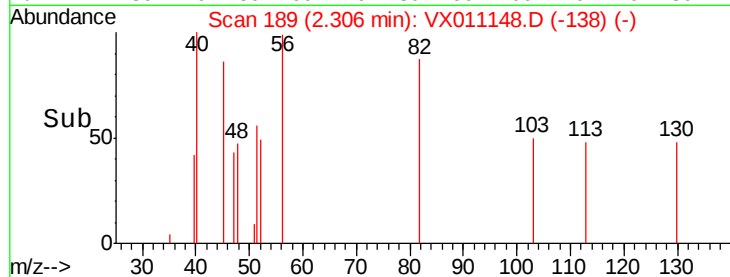
60

40

20

0

Time-->



#16

Acetone

Concen: 1.752 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011148.D

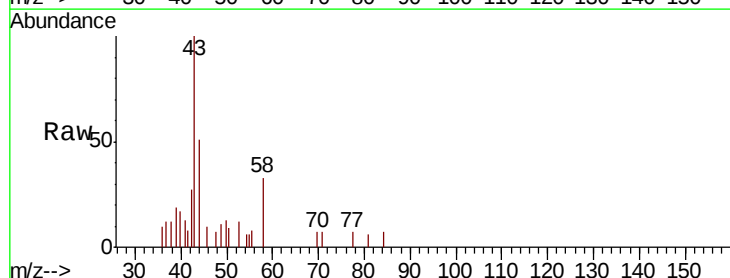
Acq: 29 Jul 2019 16:12

Tgt Ion: 43 Resp: 1582

Ion Ratio Lower Upper

43 100

58 33.3 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

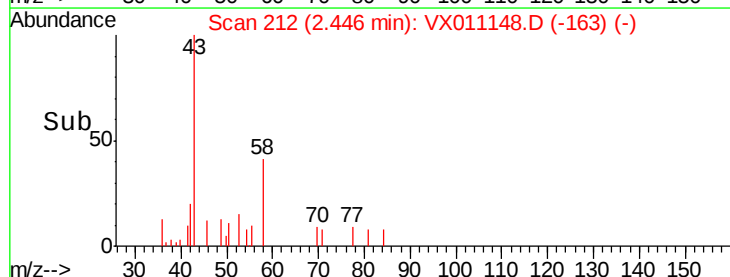
600

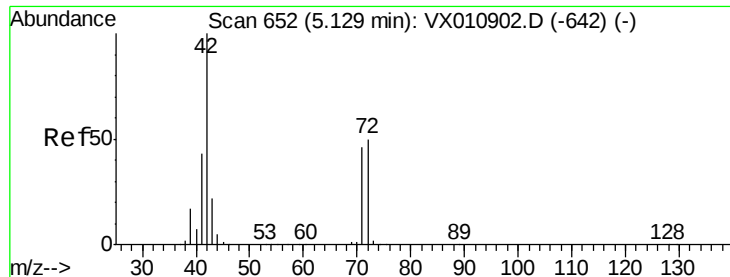
400

200

0

Time-->





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0322

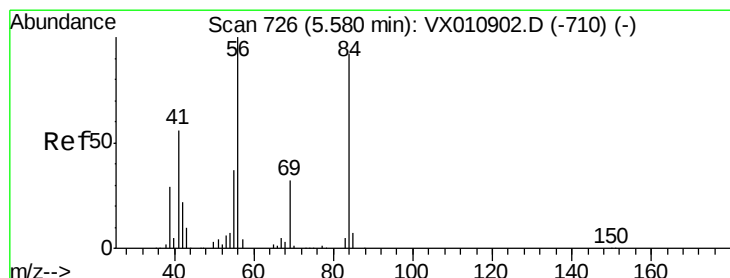
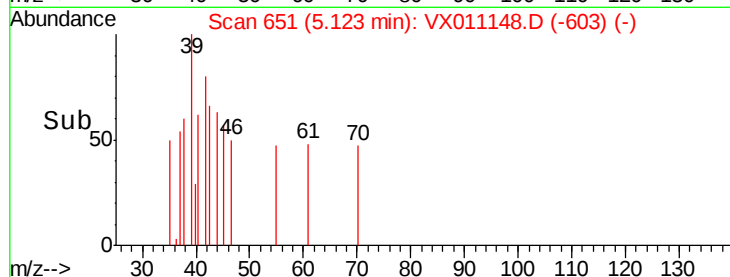
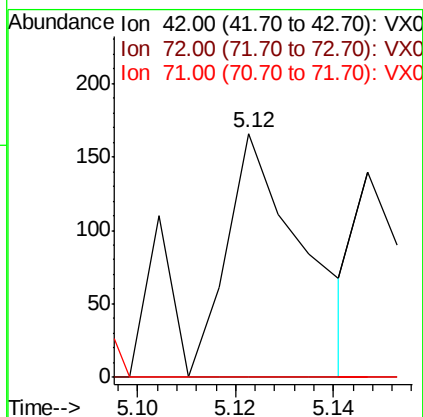
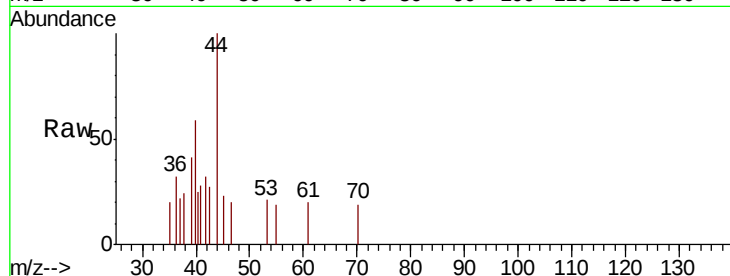
Tot Ion: 42 Resp: 179

Ion Ratio Lower Upper

42 100

72 0.0 39.8 59.8#

71 0.0 37.0 55.4#



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

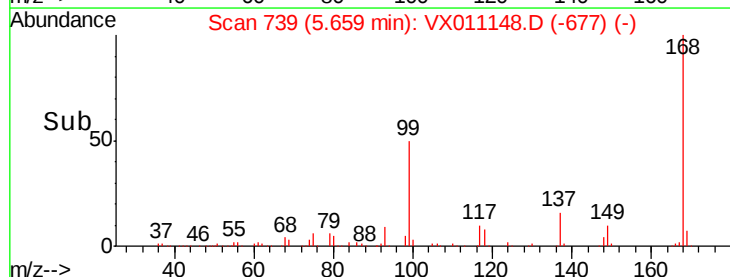
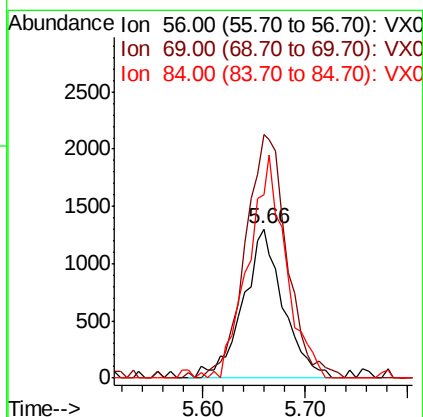
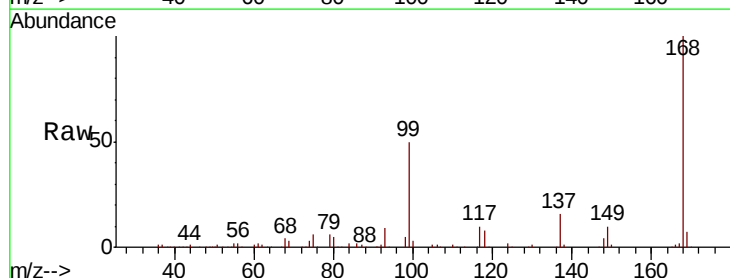
Tgt Ion: 56 Resp: 3558

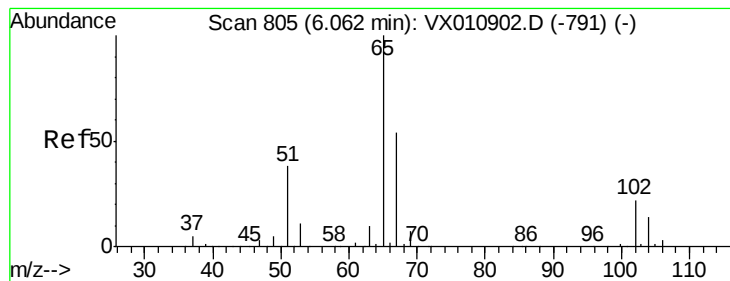
Ion Ratio Lower Upper

56 100

69 159.1 25.8 38.8#

84 122.9 73.8 110.6#





#33

1,2-Dichloroethane-d4

Concen: 52.835 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

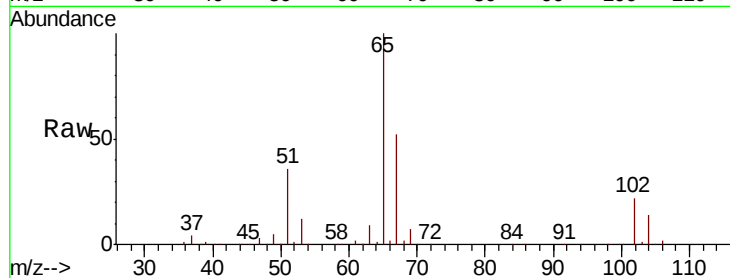
SU19-MSW0322

Tot Ion: 65 Resp: 105629

Ion Ratio Lower Upper

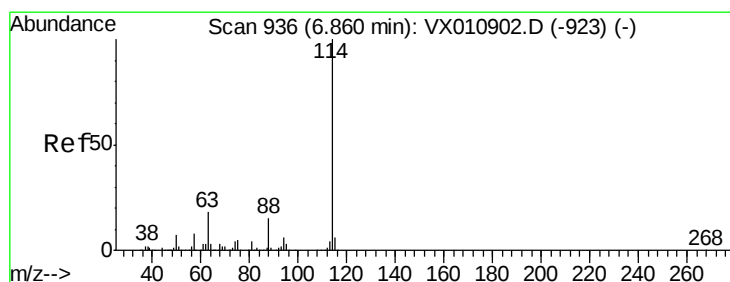
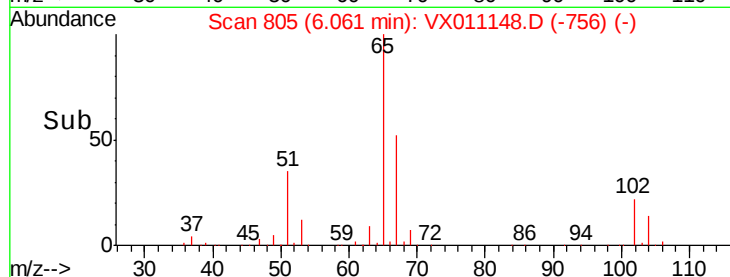
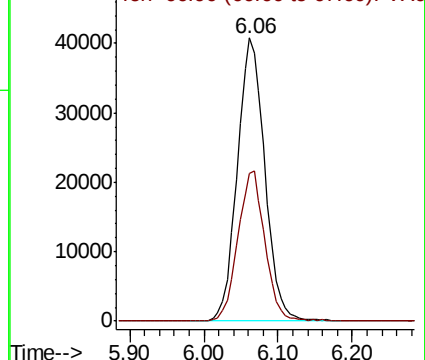
65 100

67 52.3 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: VX011148.D

Acq: 29 Jul 2019 16:12

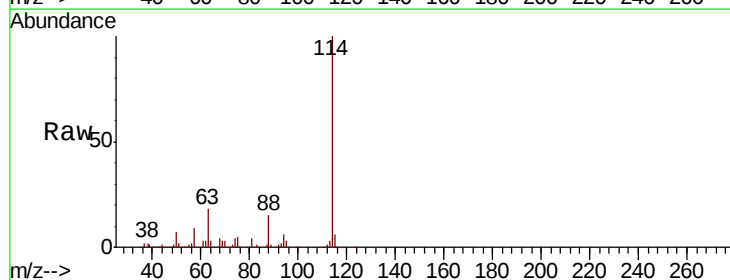
Tgt Ion: 114 Resp: 305632

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

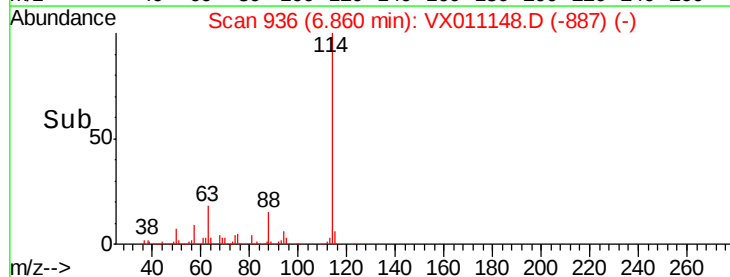
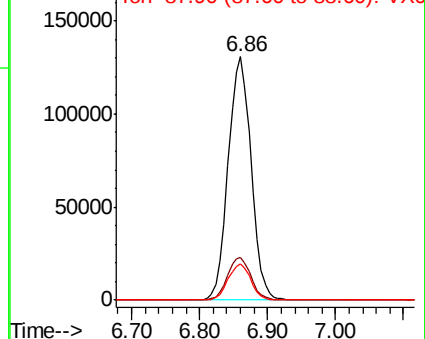
88 15.0 0.0 29.8

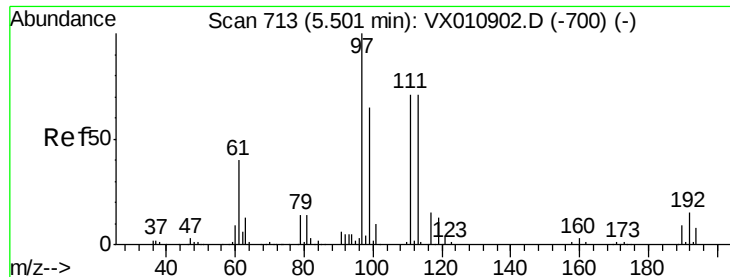


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.871 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0322

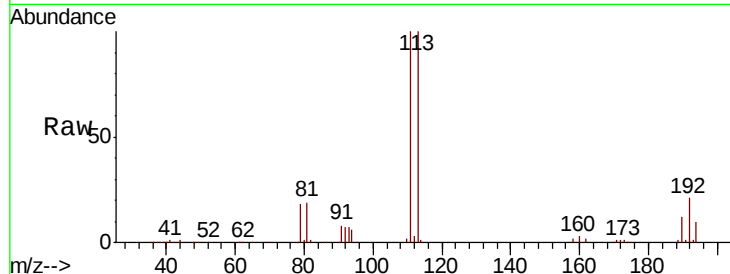
Tot Ion:113 Resp: 96745

Ion Ratio Lower Upper

113 100

111 100.9 82.3 123.5

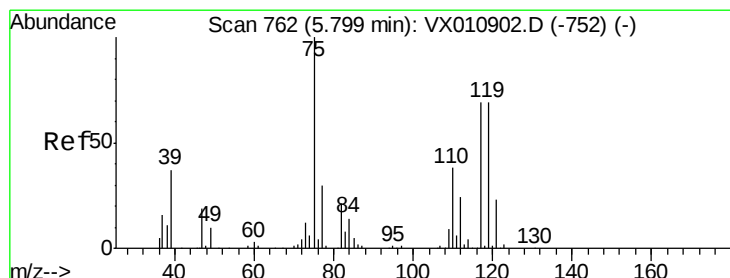
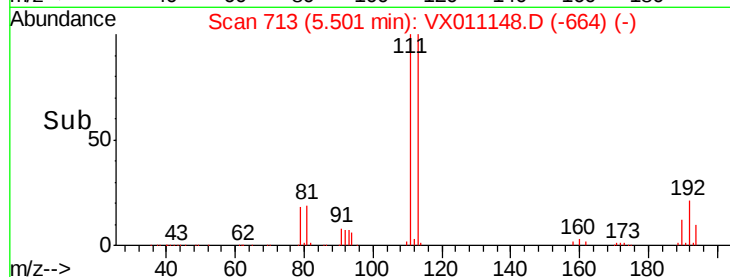
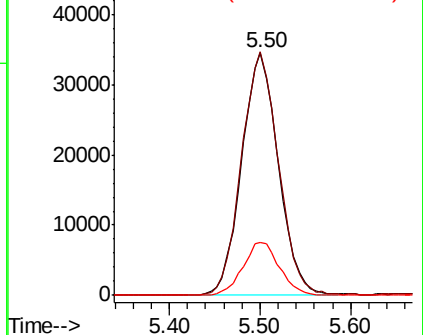
192 21.9 17.4 26.2



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: 5.002 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

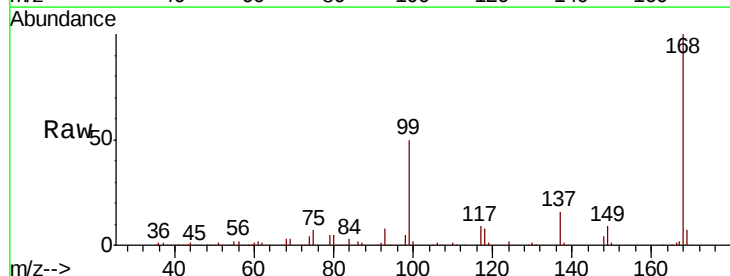
Tgt Ion: 75 Resp: 12557

Ion Ratio Lower Upper

75 100

110 11.7 19.9 59.7#

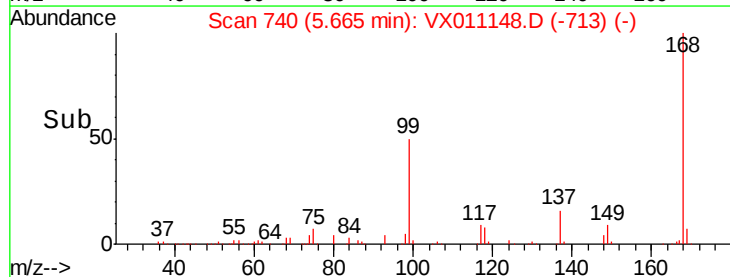
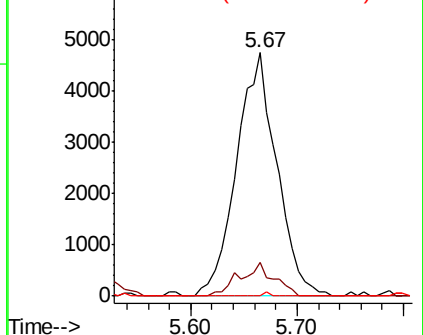
77 0.2 25.0 37.4#

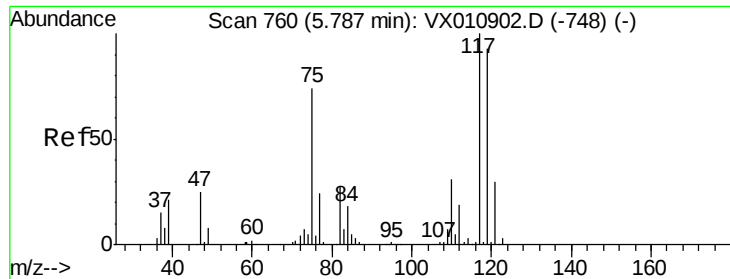


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

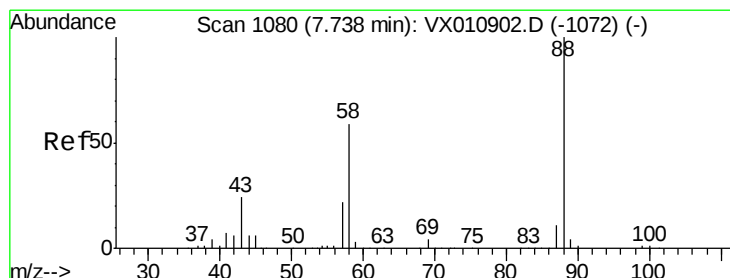
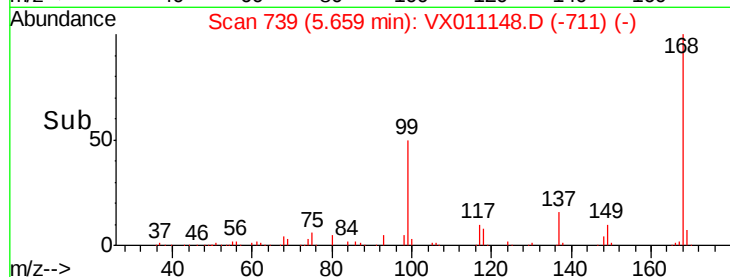
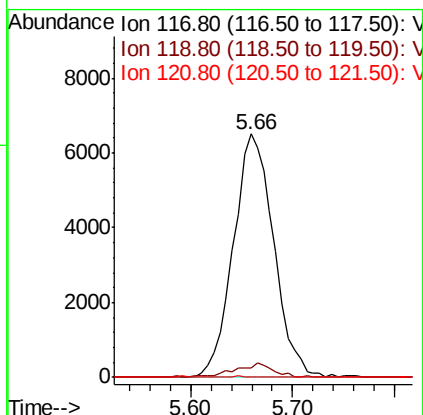
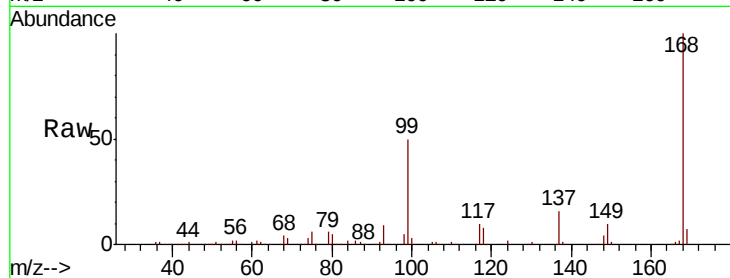




#38
Carbon Tetrachloride
Concen: 6.825 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX011148.D
Acq: 29 Jul 2019 16:12

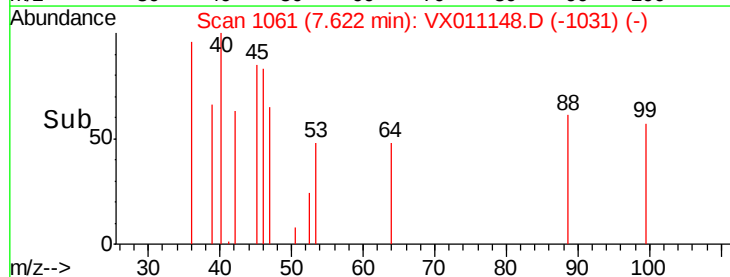
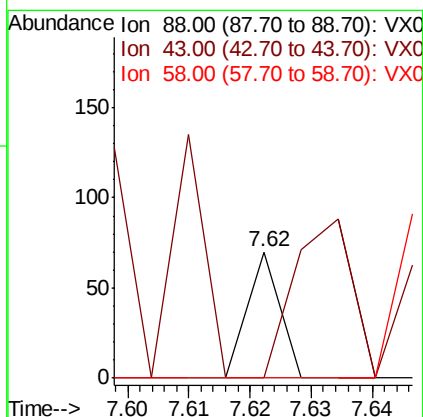
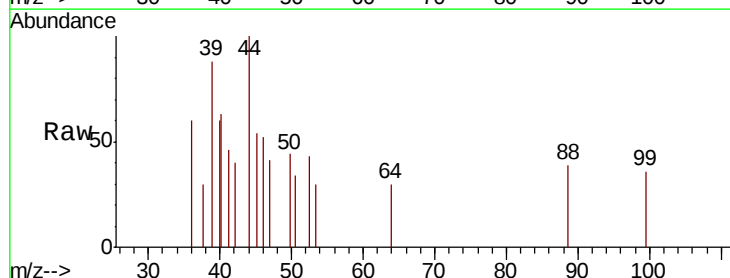
Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0322

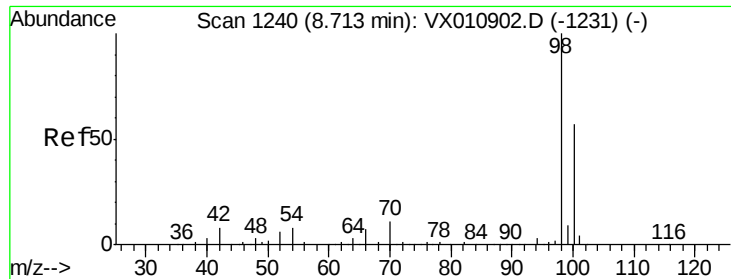
Tot Ion:117 Resp: 17854
Ion Ratio Lower Upper
117 100
119 3.9 74.2 111.2#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 0.451 ug/l
RT: 7.62 min Scan# 1061
Delta R.T. -0.12 min
Lab File: VX011148.D
Acq: 29 Jul 2019 16:12

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 223.1 22.9 34.3#
58 0.0 49.8 74.8#





#50

Toluene-d8

Concen: 50.958 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

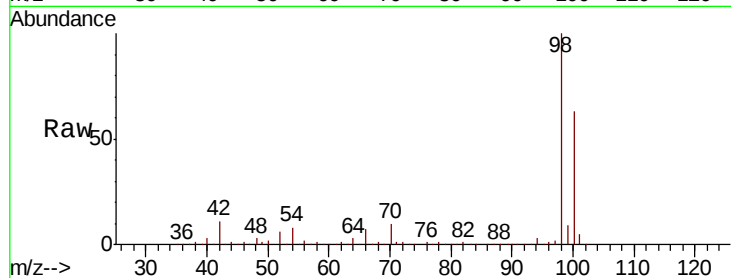
SU19-MSW0322

Tot Ion: 98 Resp: 370763

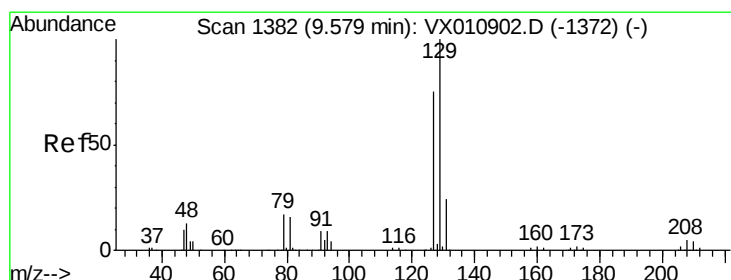
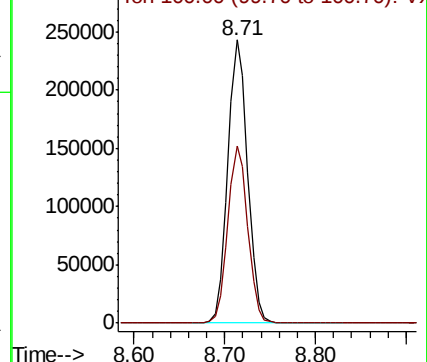
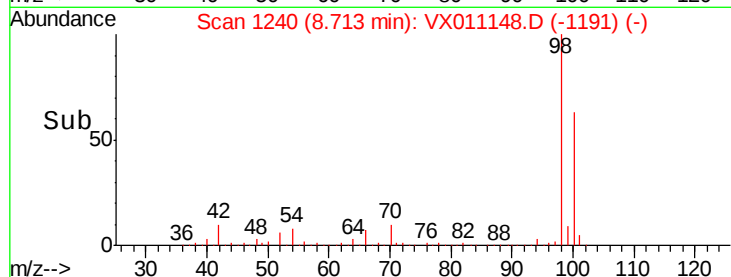
Ion Ratio Lower Upper

98 100

100 62.9 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX011148.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.562 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX011148.D

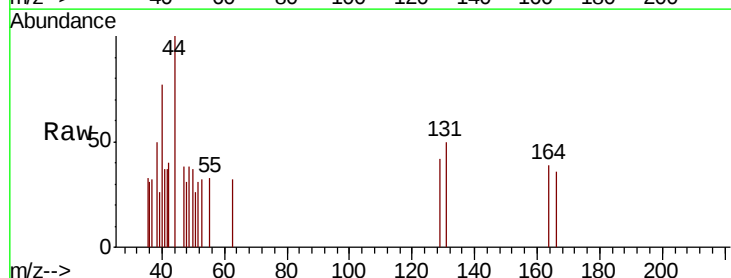
Acq: 29 Jul 2019 16:12

Tgt Ion: 129 Resp: 87

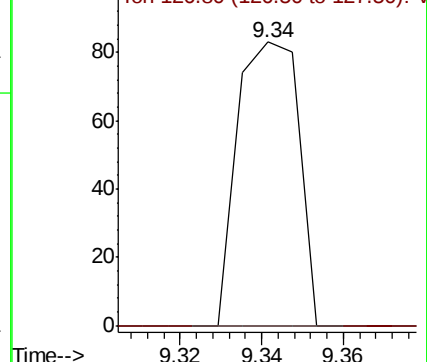
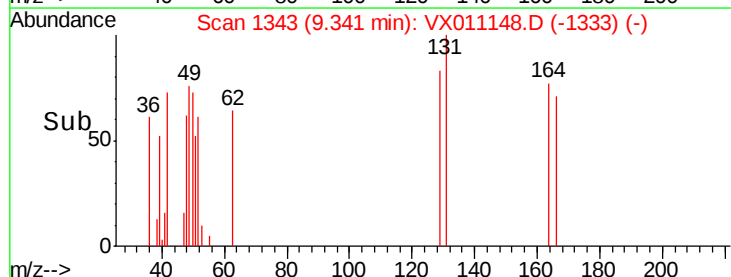
Ion Ratio Lower Upper

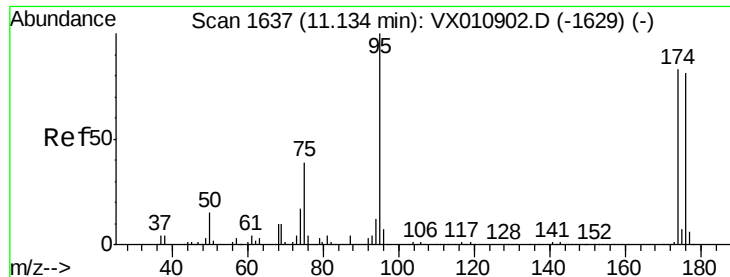
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX011148.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 48.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0322

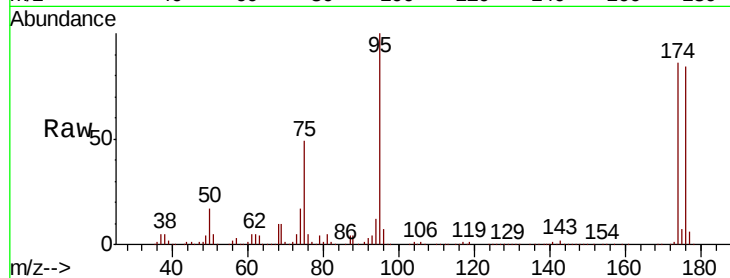
Tot Ion: 95 Resp: 129182

Ion Ratio Lower Upper

95 100

174 92.5 0.0 180.6

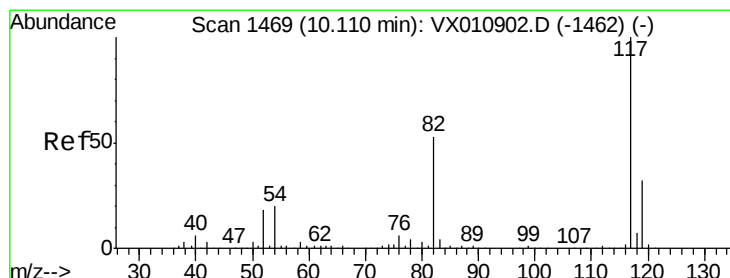
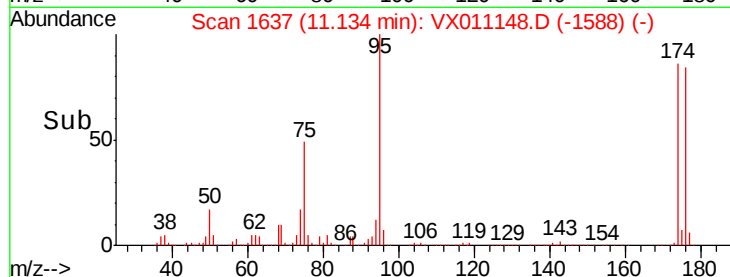
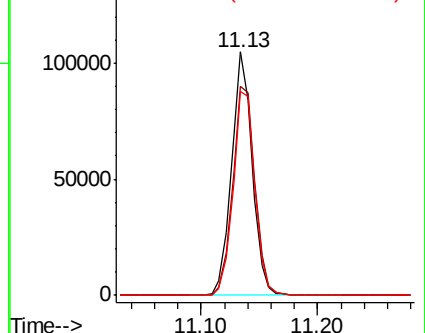
176 88.4 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011148.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011148.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011148.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

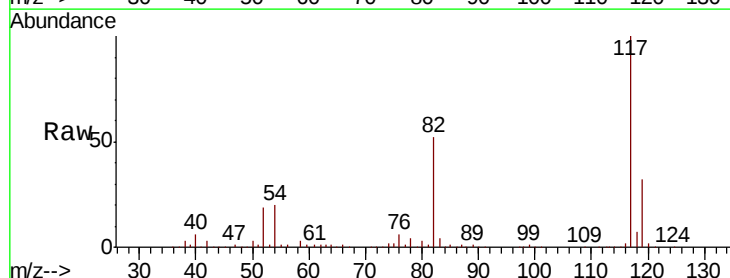
Tgt Ion: 117 Resp: 287747

Ion Ratio Lower Upper

117 100

82 52.4 42.6 63.8

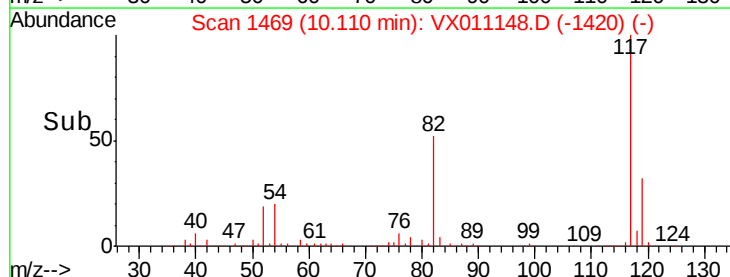
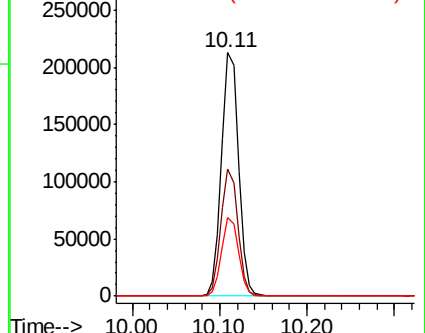
119 32.4 25.9 38.9

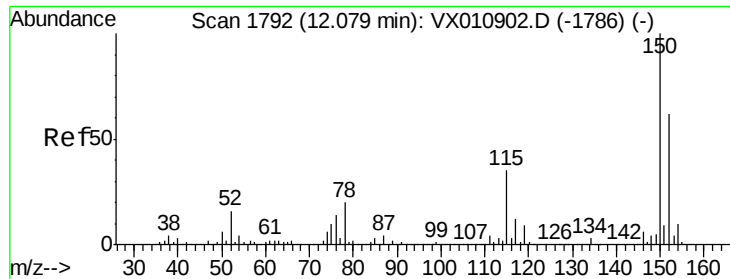


Abundance Ion 116.90 (116.60 to 117.60): VX011148.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011148.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011148.D (-1420) (-)



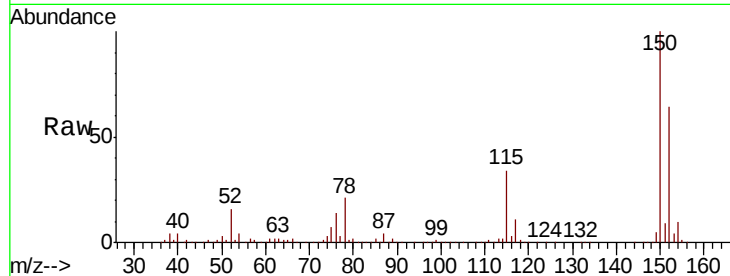


#72

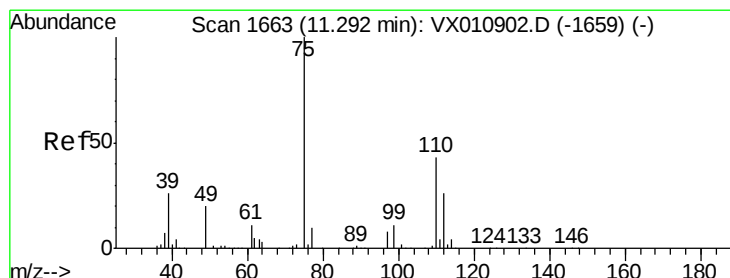
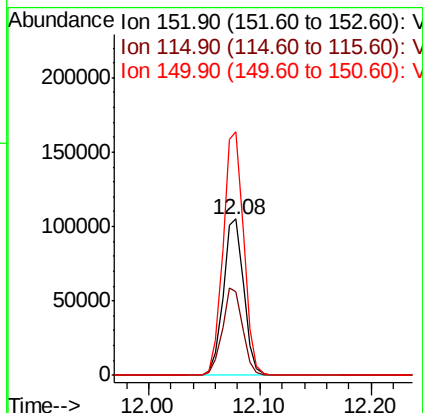
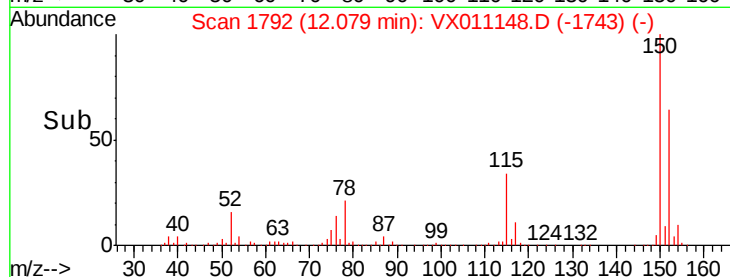
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011148.D
Acq: 29 Jul 2019 16:12

Instrument :
MSVOA_X
ClientSampleId :
SU19-MSW0322

Tot Ion:152 Resp: 133232
Ion Ratio Lower Upper
152 100
115 54.8 39.7 119.1
150 156.6 0.0 345.6



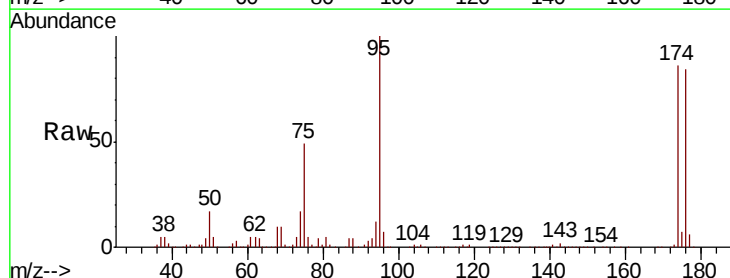
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



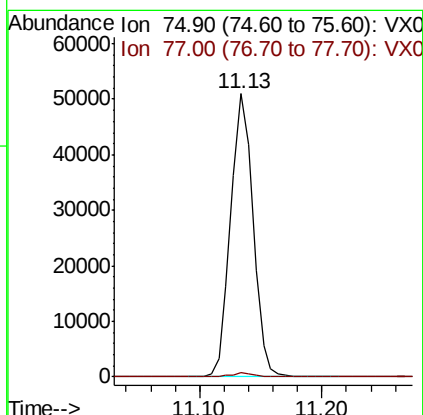
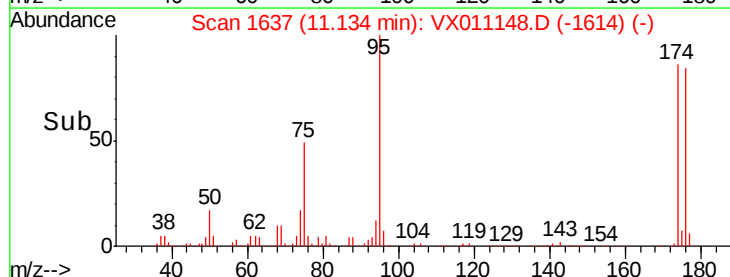
#76

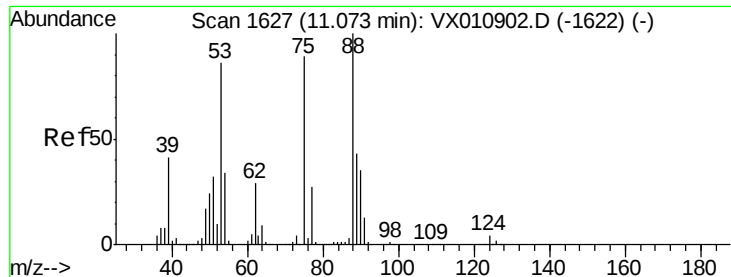
1,2,3-Trichloropropane
Concen: 26.969 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX011148.D
Acq: 29 Jul 2019 16:12

Tgt Ion: 75 Resp: 64839
Ion Ratio Lower Upper
75 100
77 1.5 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: 66.868 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011148.D

Acq: 29 Jul 2019 16:12

Instrument :

MSVOA_X

ClientSampleId :

SU19-MSW0322

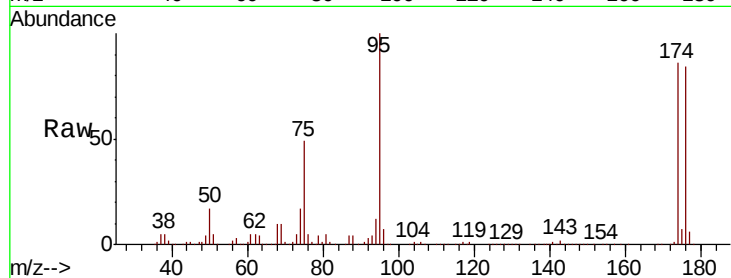
Tot Ion: 75 Resp: 64839

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.2 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

