

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011168.D
 Acq On : 30 Jul 2019 01:09
 Operator : JC/SP
 Sample : K4026-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-ER-2019-2

Quant Time: Jul 30 06:58:55 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	182687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	293124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130900	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	102446	52.71	ug/l	0.00
Spiked Amount			Recovery	=	105.42%	
35) Dibromofluoromethane	5.50	113	94445	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	8.71	98	357230	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	125612	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	

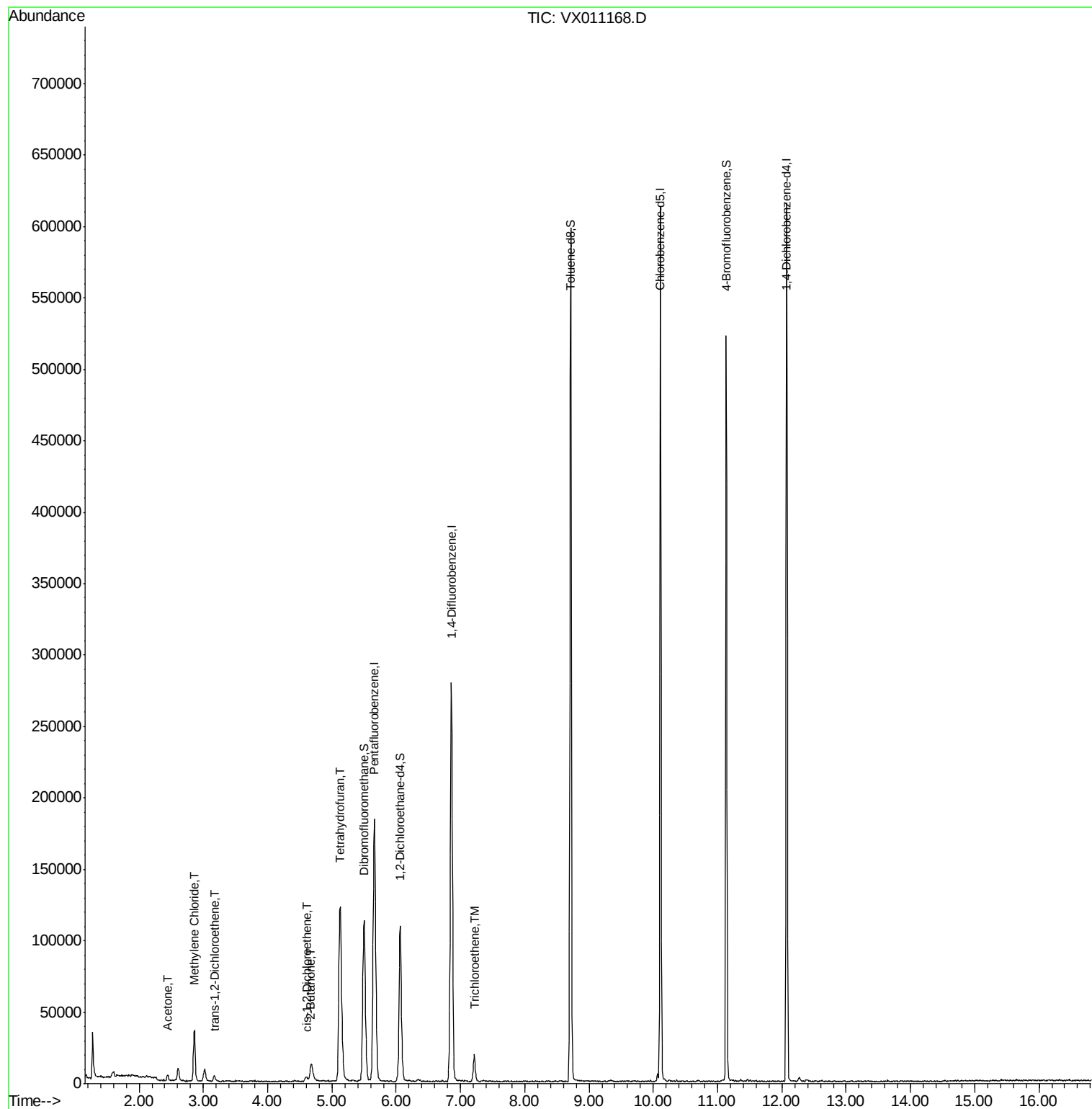
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	4972	5.664	ug/l	93
20) Methylene Chloride	2.86	84	18004	9.678	ug/l	91
21) trans-1,2-Dichloroethene	3.18	96	1648	0.954	ug/l #	69
25) 2-Butanone	4.67	43	17113	13.581	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	2180	1.091	ug/l	94
29) Tetrahydrofuran	5.13	42	113332	141.991	ug/l	98
44) Trichloroethene	7.21	130	7179	3.288	ug/l	97

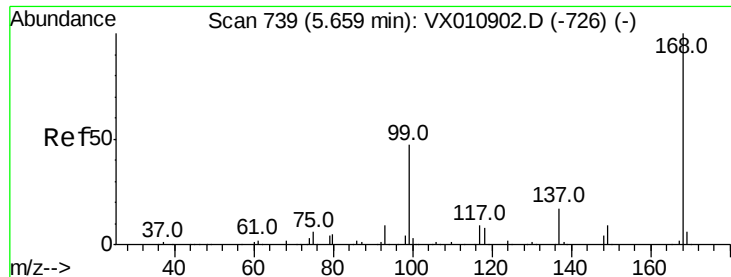
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Z3-ER-2019-2

Quant Time: Jul 30 06:58:55 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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

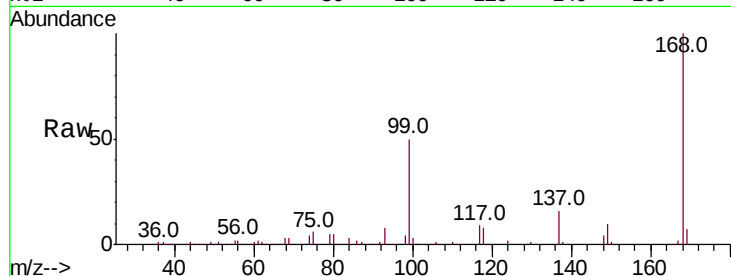
Z3-ER-2019-2

Tot Ion:168 Resp: 182687

Ion Ratio Lower Upper

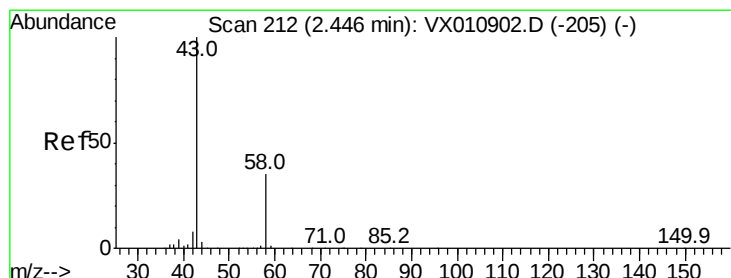
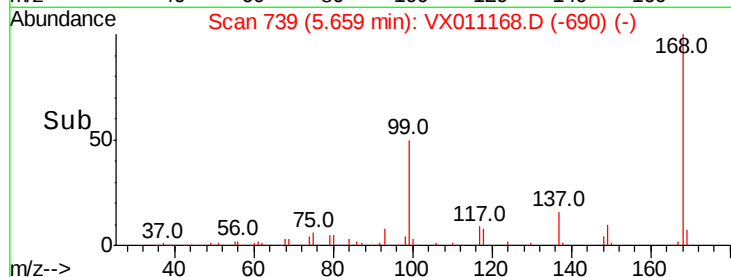
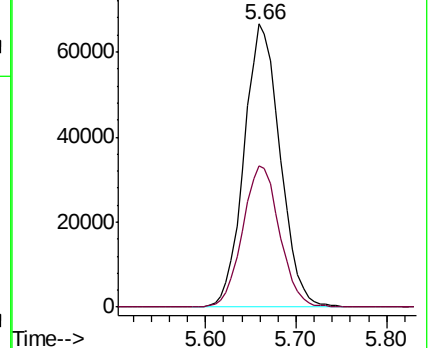
168 100

99 49.8 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.664 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX011168.D

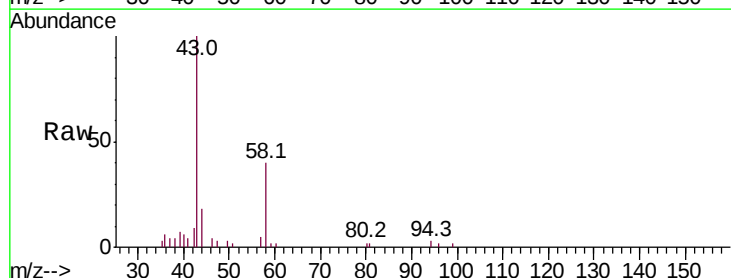
Acq: 30 Jul 2019 01:09

Tgt Ion: 43 Resp: 4972

Ion Ratio Lower Upper

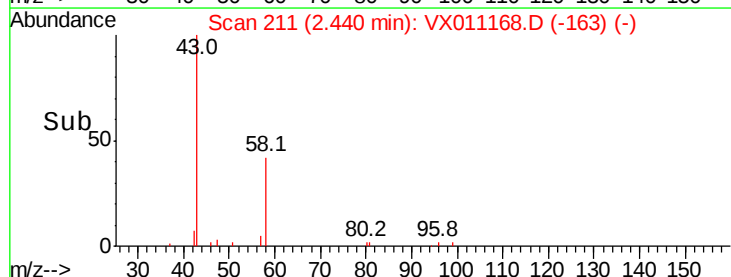
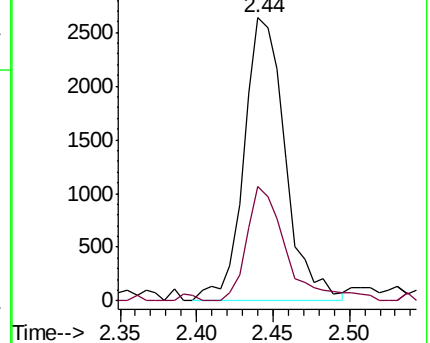
43 100

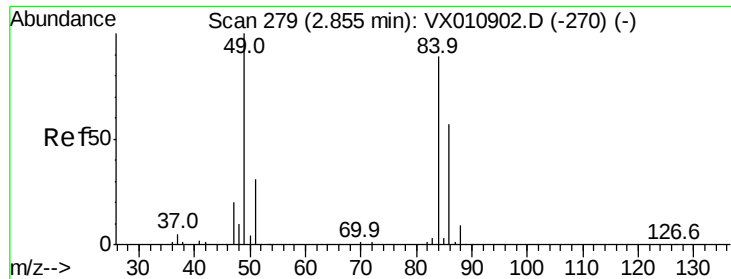
58 38.4 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

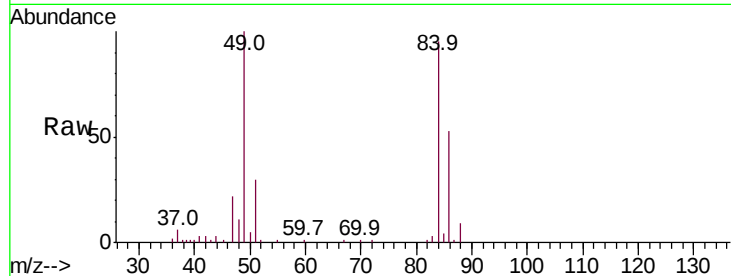




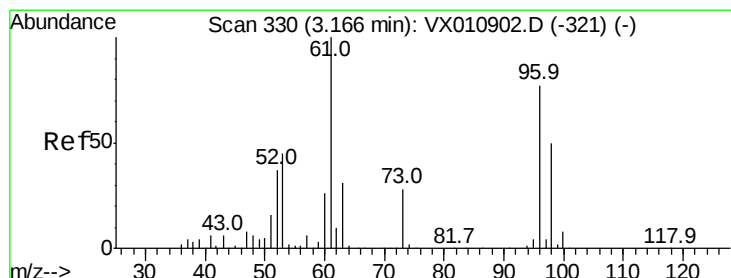
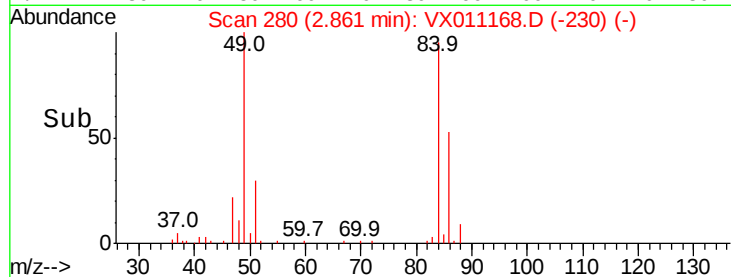
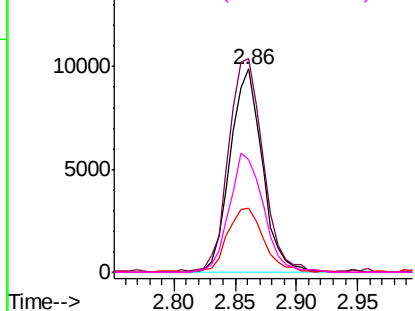
#20
Methylene Chloride
Concen: 9.678 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011168.D
Acq: 30 Jul 2019 01:09

Instrument :
MSVOA_X
ClientSampled :
Z3-ER-2019-2

Tot Ion: 84 Resp: 18004
Ion Ratio Lower Upper
84 100
49 104.3 89.9 134.9
51 31.6 27.8 41.6
86 55.4 51.8 77.6

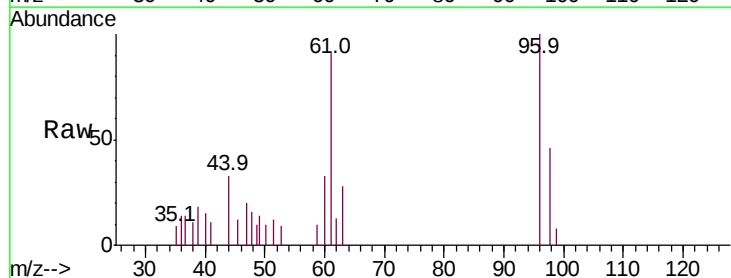


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

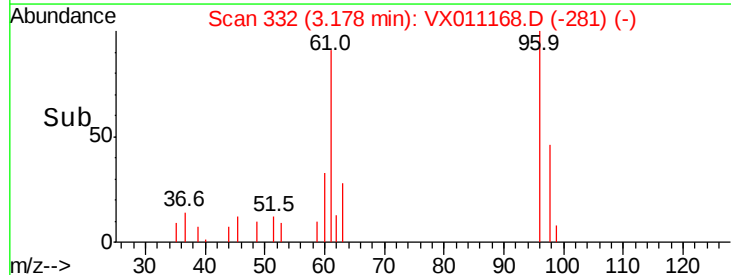
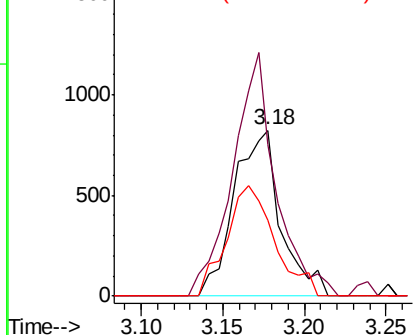


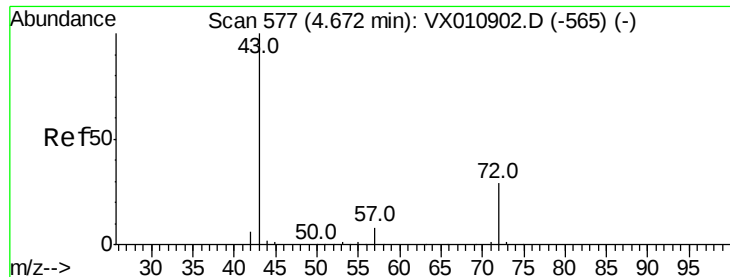
#21
trans-1,2-Dichloroethene
Concen: 0.954 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.01 min
Lab File: VX011168.D
Acq: 30 Jul 2019 01:09

Tgt Ion: 96 Resp: 1648
Ion Ratio Lower Upper
96 100
61 90.8 104.2 156.2#
98 45.9 52.2 78.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 13.581 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

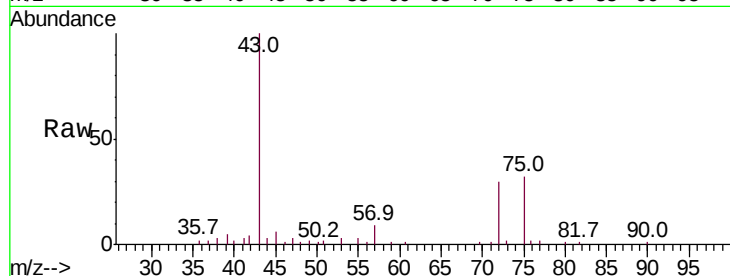
Z3-ER-2019-2

Tot Ion: 43 Resp: 17113

Ion Ratio Lower Upper

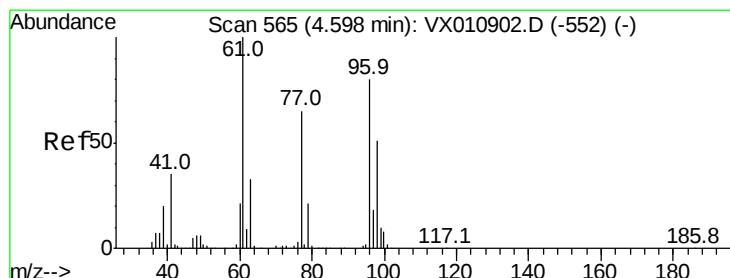
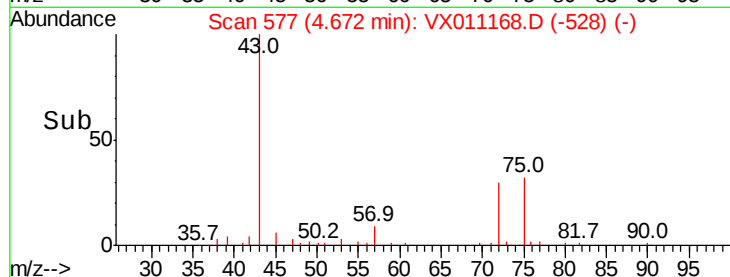
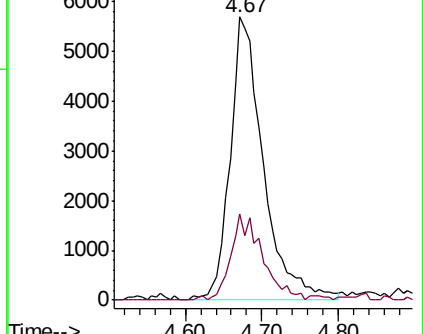
43 100

72 30.4 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.091 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

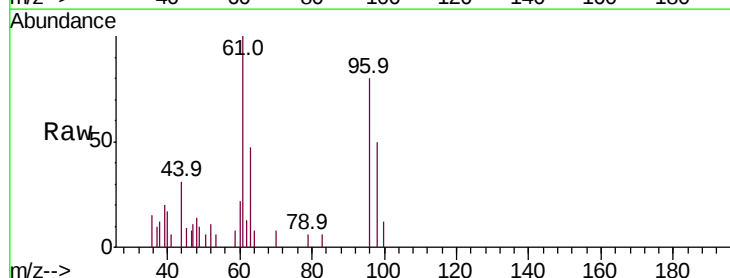
Tgt Ion: 96 Resp: 2180

Ion Ratio Lower Upper

96 100

61 123.7 0.0 269.0

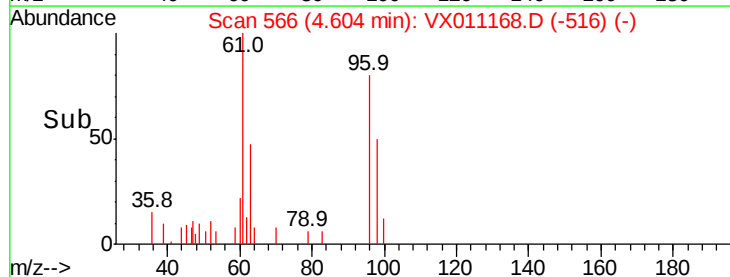
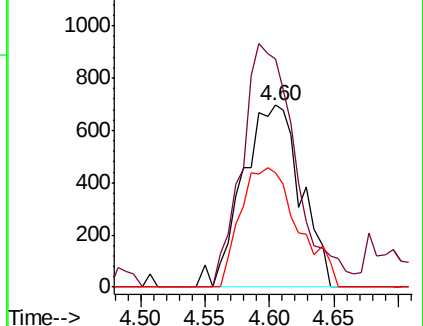
98 65.0 0.0 131.4

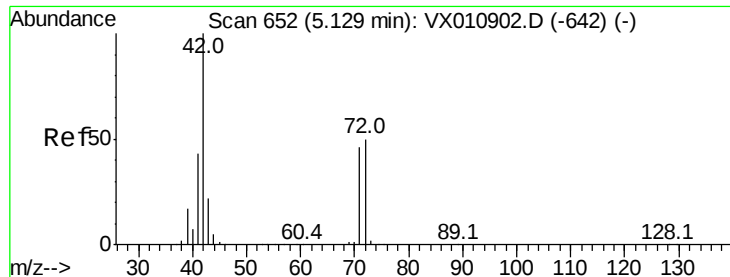


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 141.991 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-ER-2019-2

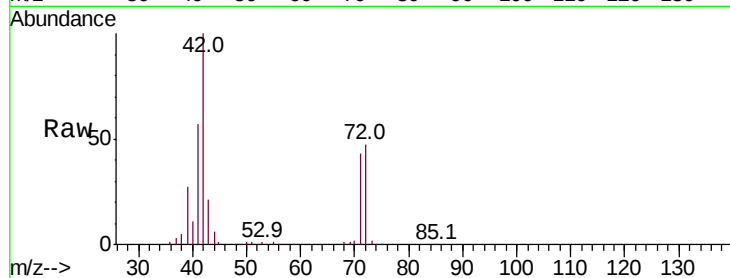
Tot Ion: 42 Resp: 113332

Ion Ratio Lower Upper

42 100

72 48.3 39.8 59.8

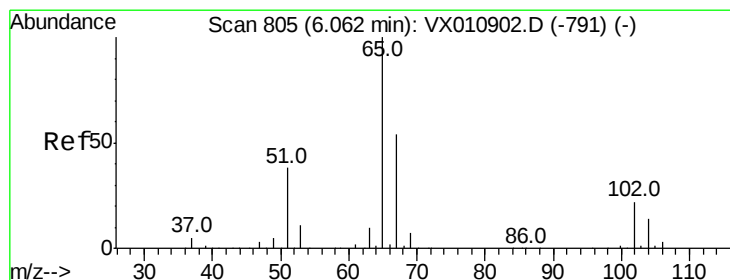
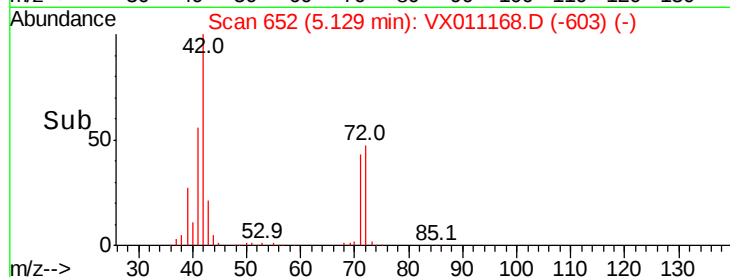
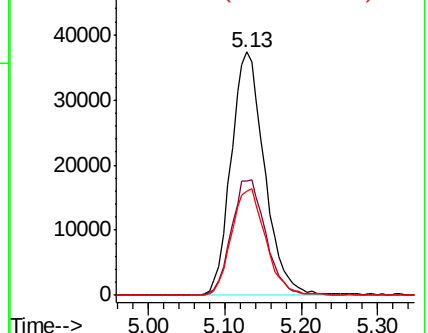
71 44.6 37.0 55.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.712 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011168.D

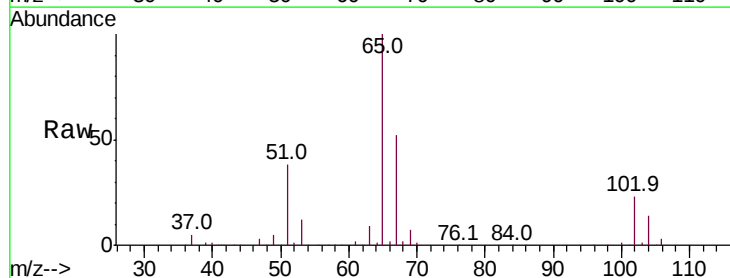
Acq: 30 Jul 2019 01:09

Tgt Ion: 65 Resp: 102446

Ion Ratio Lower Upper

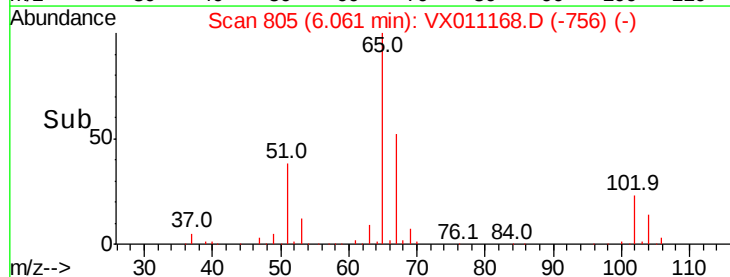
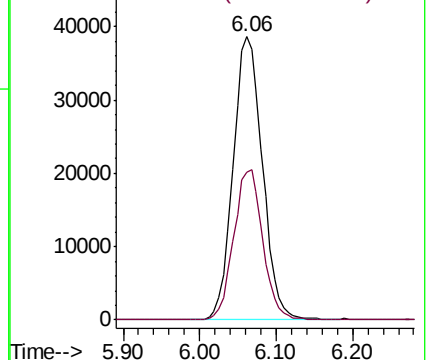
65 100

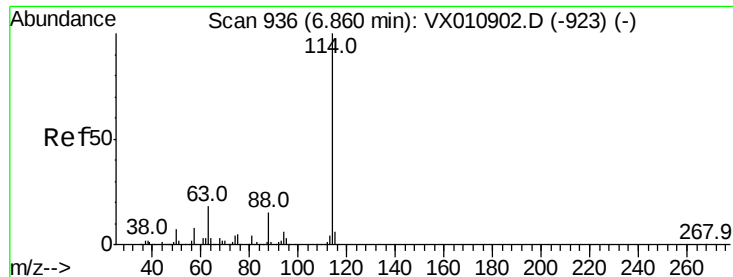
67 52.5 0.0 107.8



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: VX011168.D

Acq: 30 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

Z3-ER-2019-2

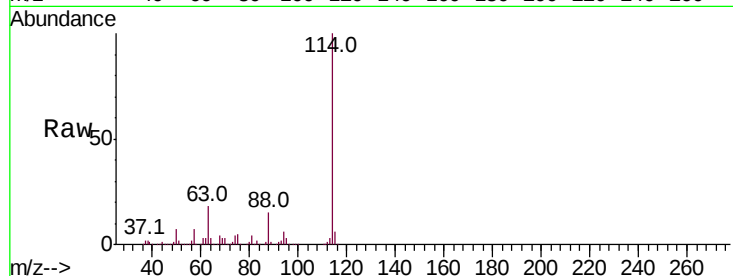
Tot Ion:114 Resp: 293124

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 15.5 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

150000

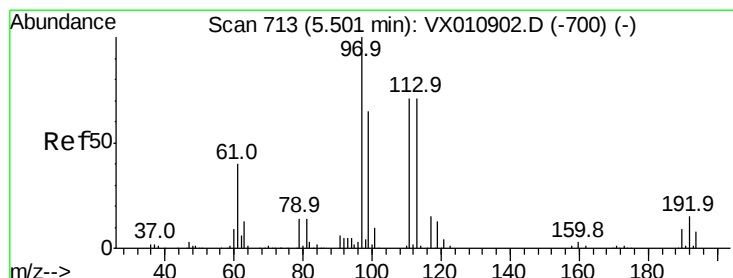
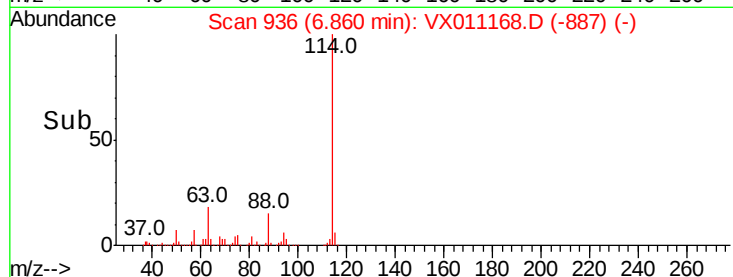
100000

50000

0

6.86

6.70 6.80 6.90 7.00



#35

Dibromofluoromethane

Concen: 50.763 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

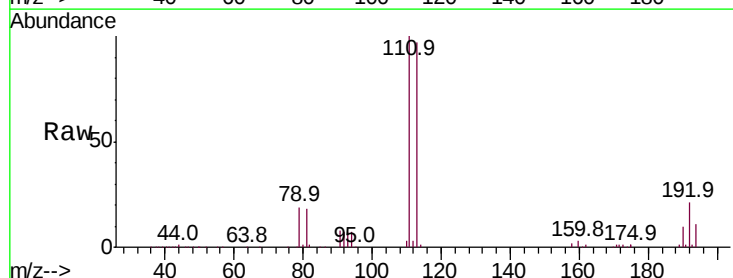
Tgt Ion:113 Resp: 94445

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

192 21.8 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

40000

30000

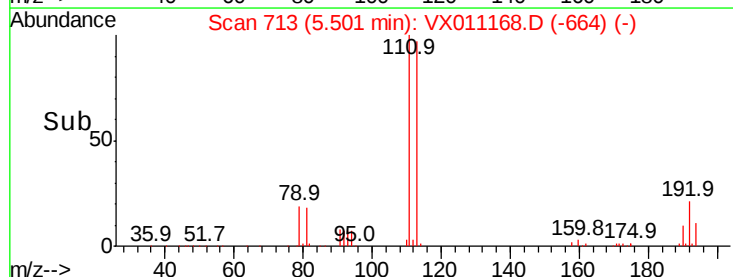
20000

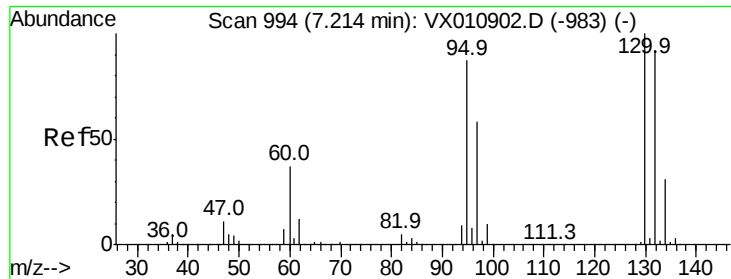
10000

0

5.50

5.40 5.50 5.60

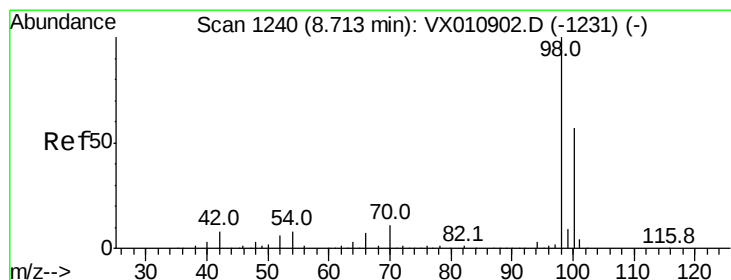
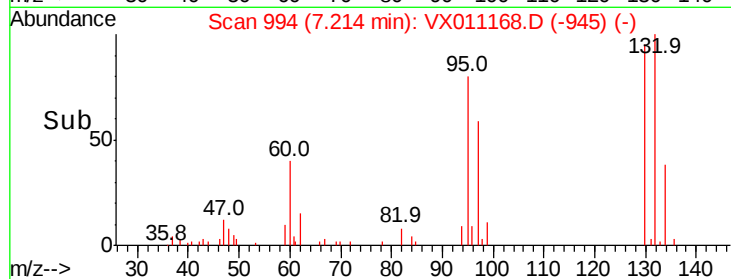
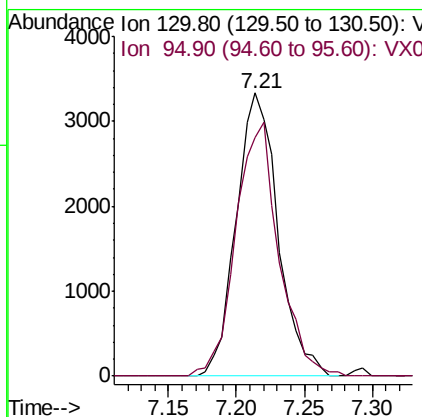
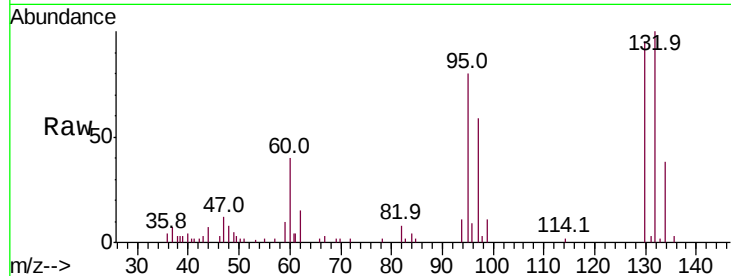




#44
 Trichloroethene
 Concen: 3.288 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX011168.D
 Acq: 30 Jul 2019 01:09

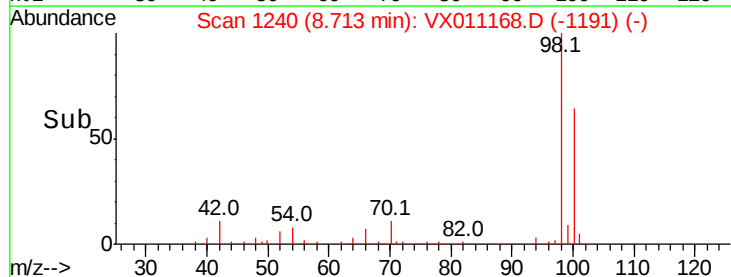
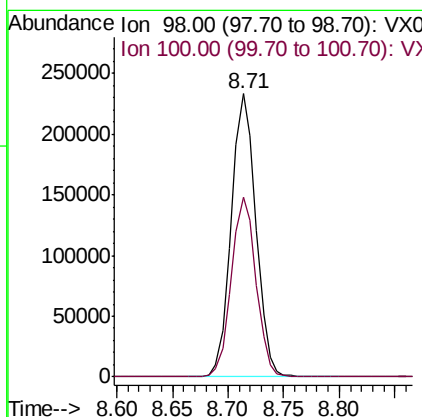
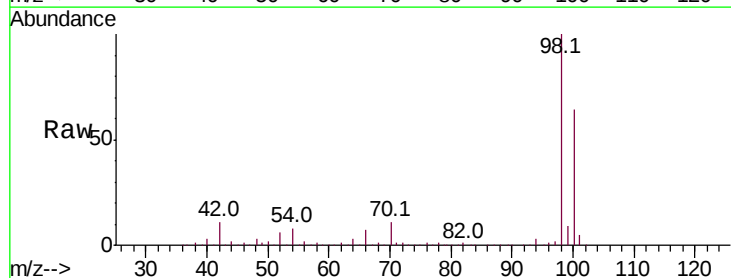
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-ER-2019-2

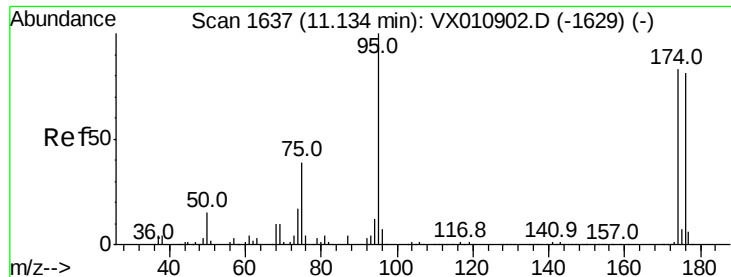
Tot Ion:130 Resp: 7179
 Ion Ratio Lower Upper
 130 100
 95 84.5 0.0 174.8



#50
 Toluene-d8
 Concen: 51.193 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX011168.D
 Acq: 30 Jul 2019 01:09

Tgt Ion: 98 Resp: 357230
 Ion Ratio Lower Upper
 98 100
 100 63.6 50.6 75.8





#62

4-Bromofluorobenzene

Concen: 48.972 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampled :

Z3-ER-2019-2

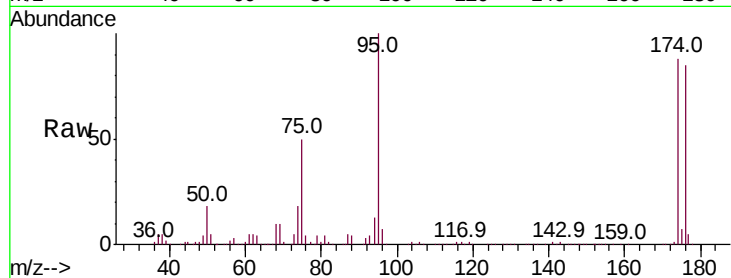
Tot Ion: 95 Resp: 125612

Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.6

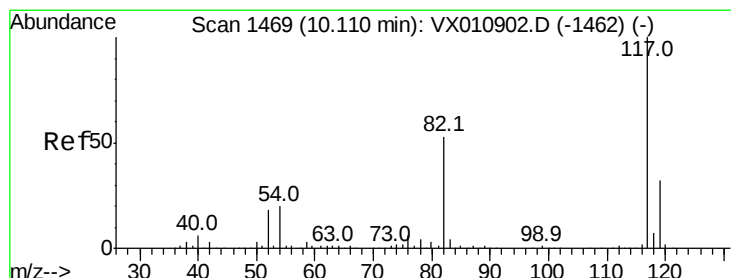
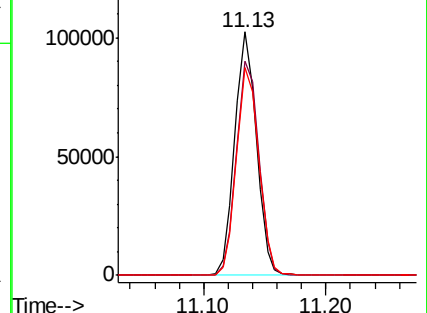
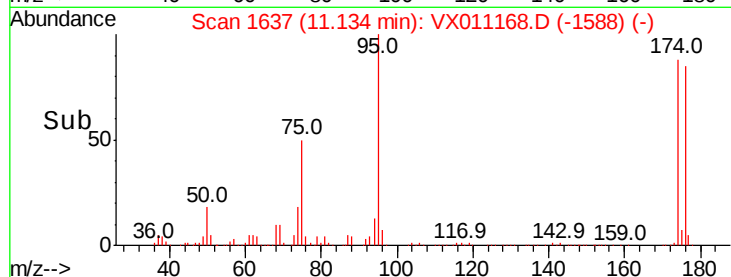
176 88.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011168.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011168.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011168.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011168.D

Acq: 30 Jul 2019 01:09

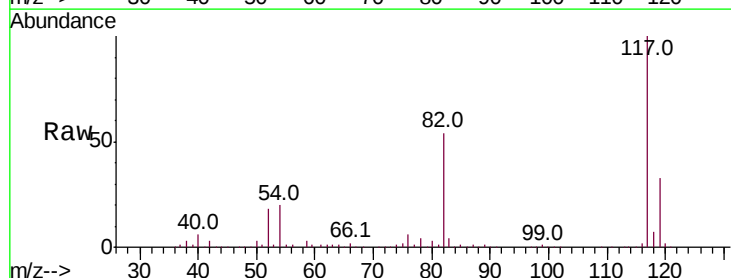
Tgt Ion: 117 Resp: 279933

Ion Ratio Lower Upper

117 100

82 54.0 42.6 63.8

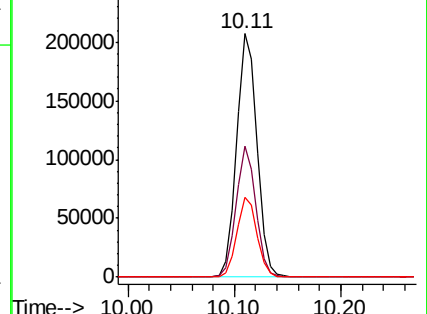
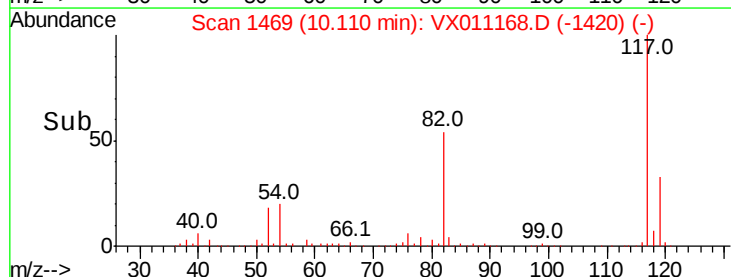
119 32.5 25.9 38.9

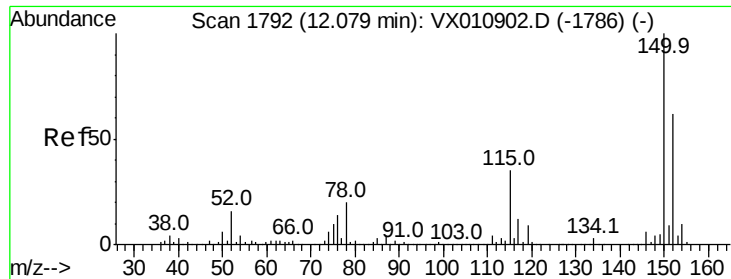


Abundance Ion 116.90 (116.60 to 117.60): VX011168.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011168.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011168.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: VX011168.D
 Acq: 30 Jul 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-ER-2019-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	39.7	119.1
150	158.2	0.0	345.6

