

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012705.D
 Acq On : 30 Sep 2019 15:09
 Operator : JC/SP
 Sample : K5081-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118S-20190926

Quant Time: Oct 01 03:47:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88770	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	118588	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	5.49	113	87524	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	8.71	98	340653	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	113996	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

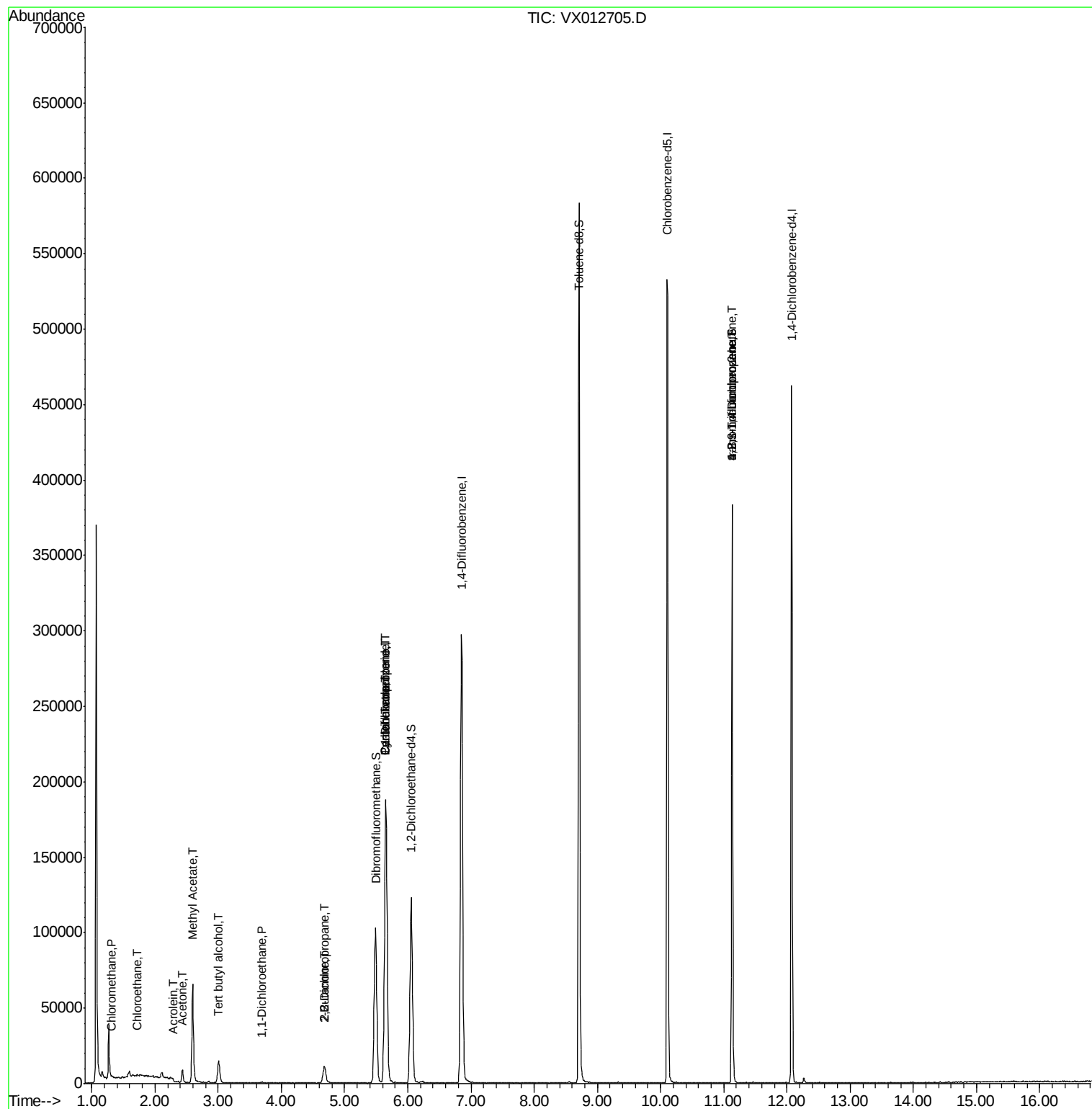
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	814	0.370	ug/l	98
6) Chloroethane	1.72	64	799	0.541	ug/l #	51
11) Tert butyl alcohol	3.00	59	10046	16.196	ug/l #	78
13) Acrolein	2.29	56	193	10.769	ug/l	93
16) Acetone	2.43	43	8723	6.632	ug/l	100
18) Methyl Acetate	2.60	43	16575	5.352	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	902	0.236	ug/l #	81
25) 2-Butanone	4.69	43	1257	0.667	ug/l	91
26) 2,2-Dichloropropane	4.69	77	1114	0.328	ug/l #	55
31) Cyclohexane	5.65	56	4163	1.204	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	14491	5.156	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19079	6.682	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	56867	24.217	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	56867	69.402	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

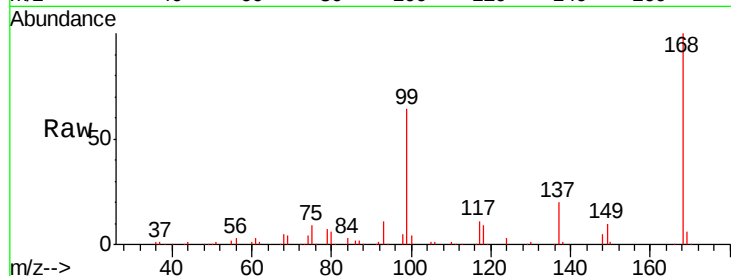
SA-PZ118S-20190926

Tgt Ion:168 Resp: 170520

Ion Ratio Lower Upper

168 100

99 64.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

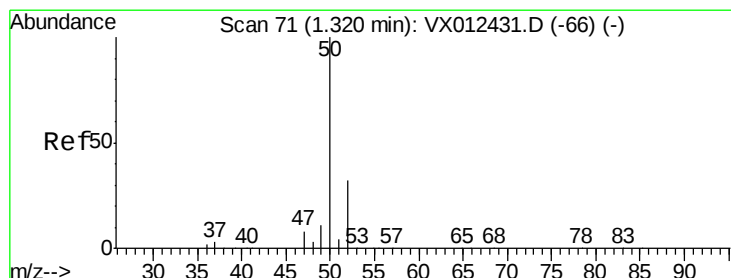
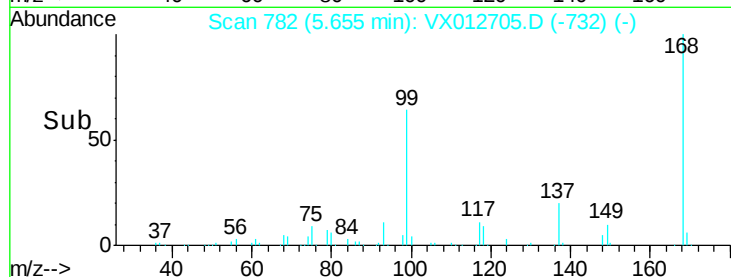
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.370 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012705.D

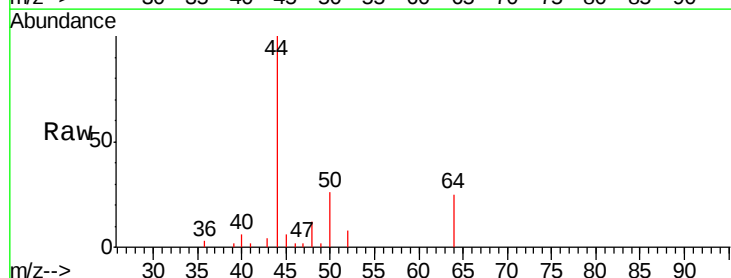
Acq: 30 Sep 2019 15:09

Tgt Ion: 50 Resp: 814

Ion Ratio Lower Upper

50 100

52 31.0 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

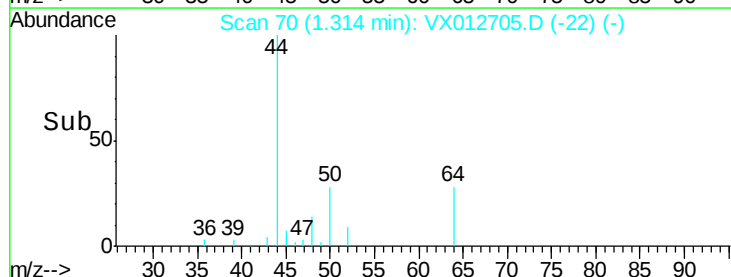
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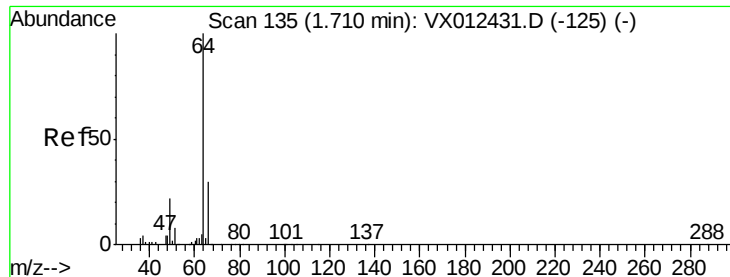
200

0

Time-->

1.30 1.32 1.34





#6

Chloroethane

Concen: 0.541 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

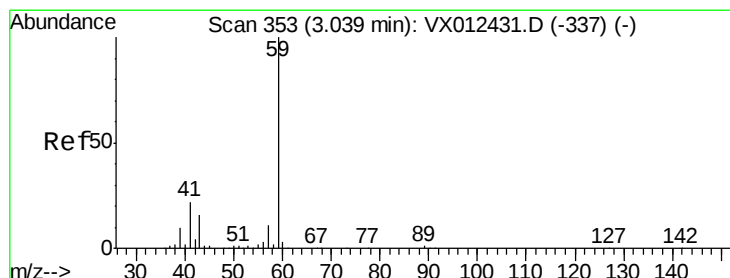
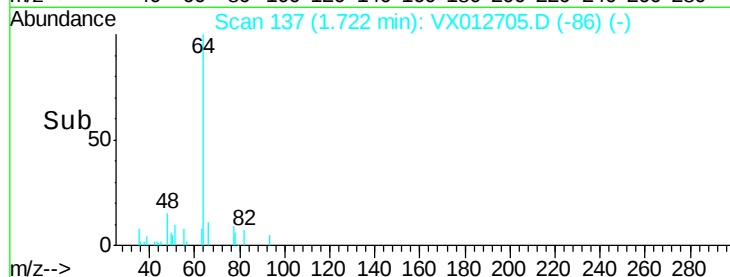
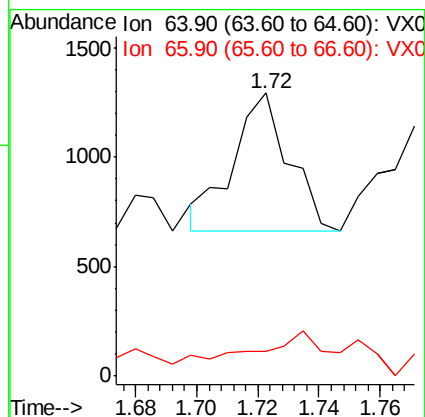
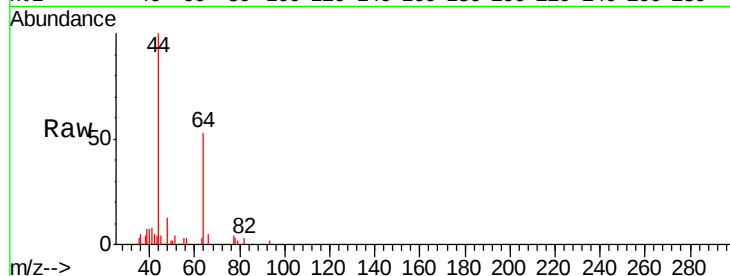
SA-PZ118S-20190926

Tgt Ion: 64 Resp: 799

Ion Ratio Lower Upper

64 100

66 3.3 24.0 36.0#



#11

Tert butyl alcohol

Concen: 16.196 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.04 min

Lab File: VX012705.D

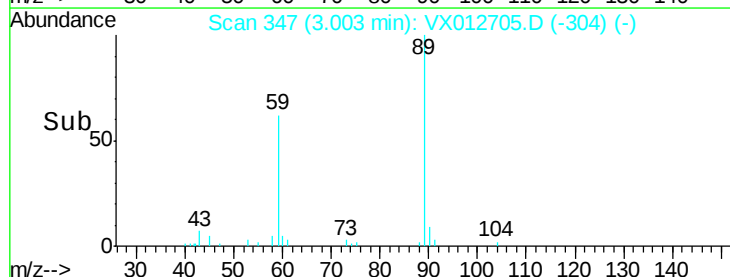
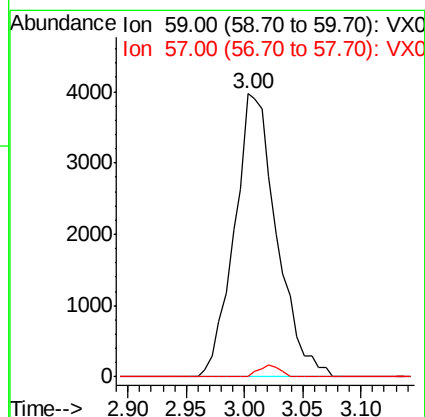
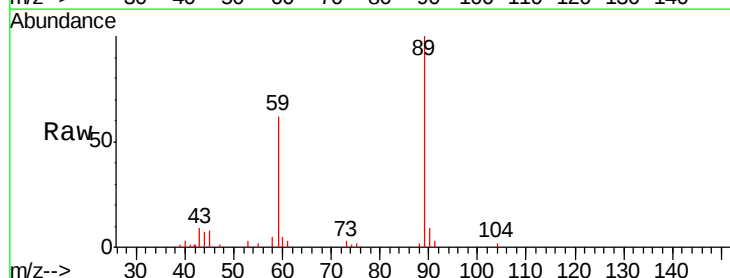
Acq: 30 Sep 2019 15:09

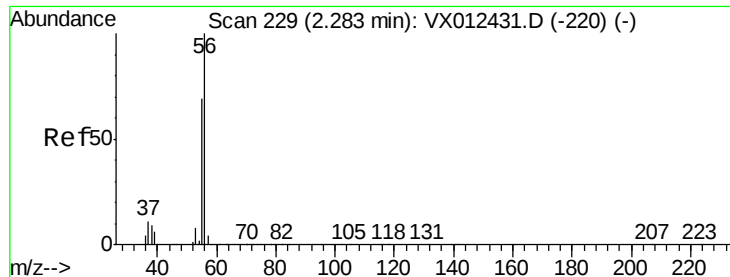
Tgt Ion: 59 Resp: 10046

Ion Ratio Lower Upper

59 100

57 2.0 8.3 12.5#





#13

Acrolein

Concen: 10.769 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

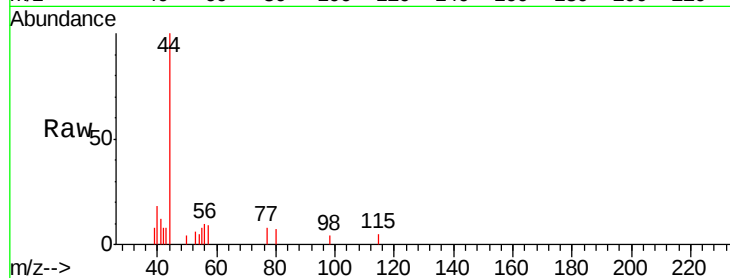
SA-PZ118S-20190926

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

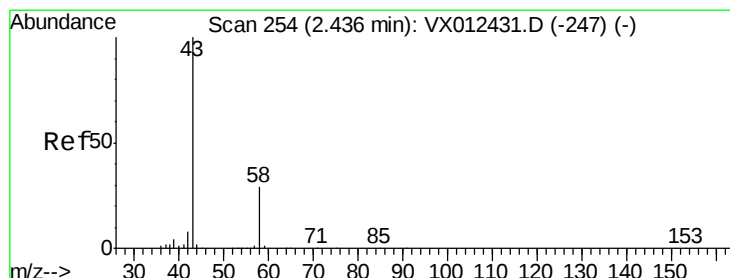
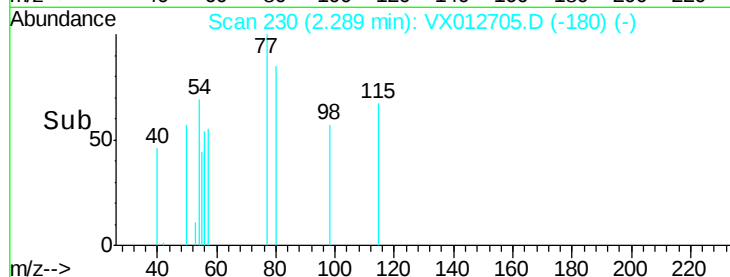
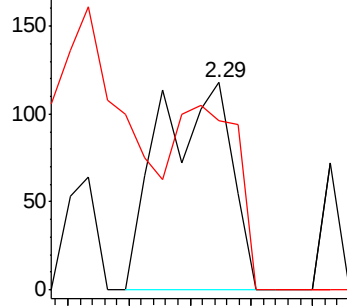
56 100

55 75.1 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 6.632 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012705.D

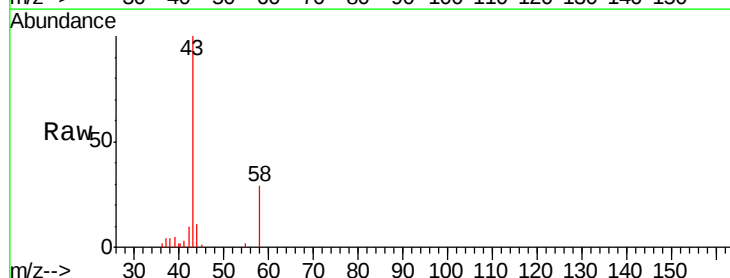
Acq: 30 Sep 2019 15:09

Tgt Ion: 43 Resp: 8723

Ion Ratio Lower Upper

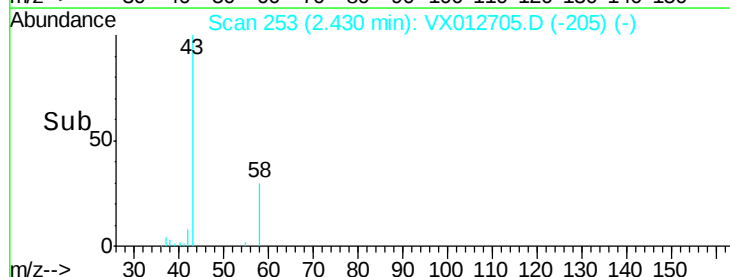
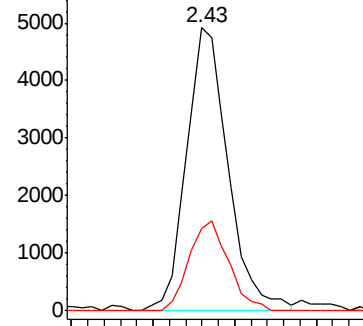
43 100

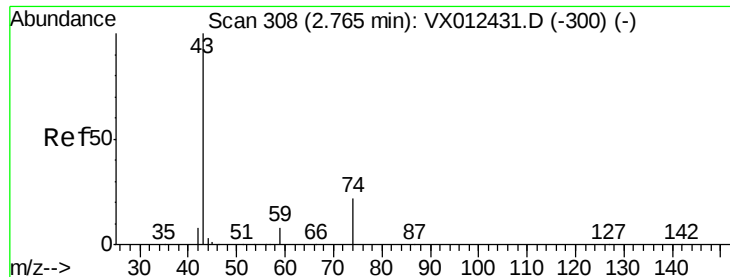
58 29.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

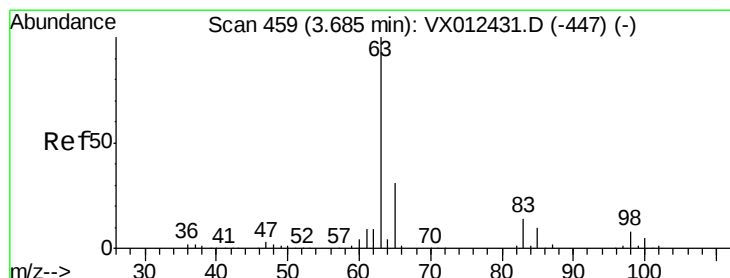
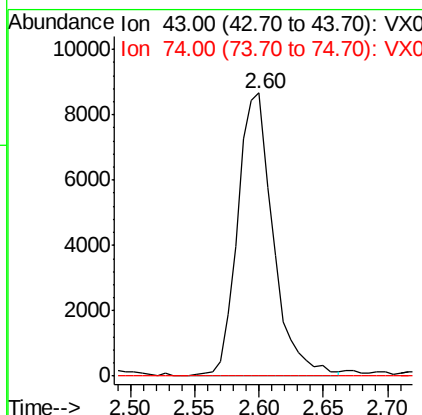
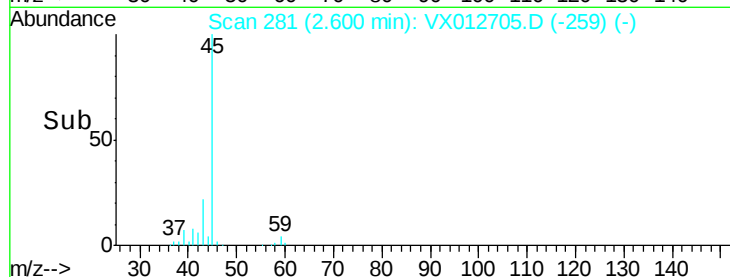
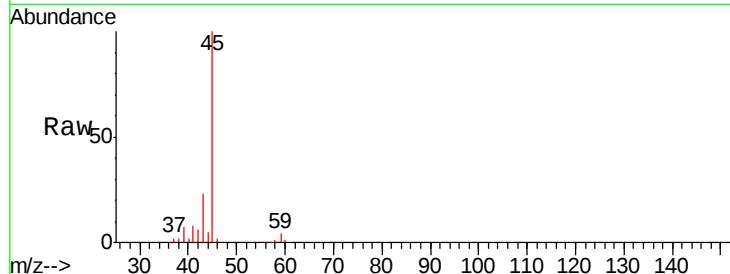




#18
Methyl Acetate
Concen: 5.352 ug/l
RT: 2.60 min Scan# 281
Delta R.T. -0.16 min
Lab File: VX012705.D
Acq: 30 Sep 2019 15:09

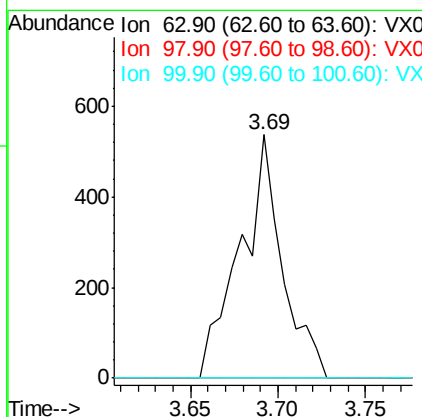
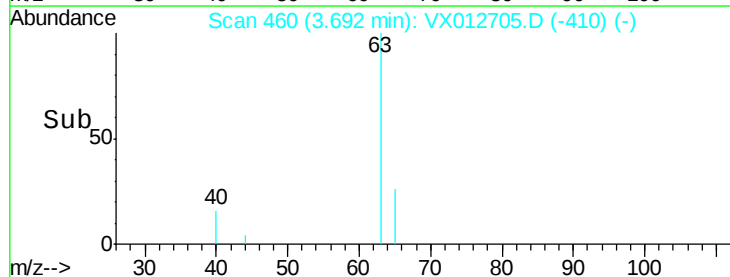
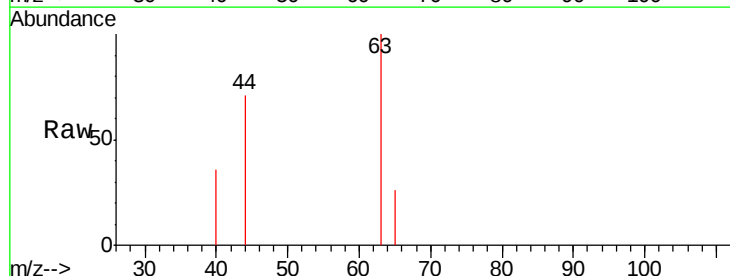
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ118S-20190926

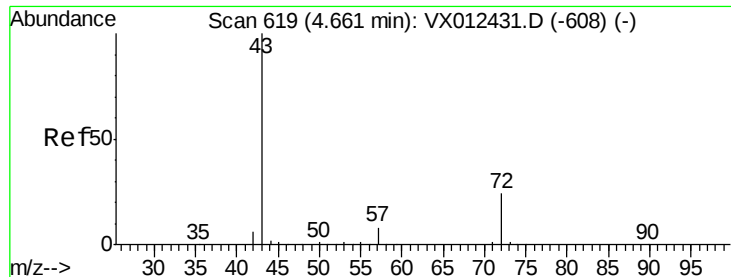
Tgt Ion: 43 Resp: 16575
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#24
1,1-Dichloroethane
Concen: 0.236 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX012705.D
Acq: 30 Sep 2019 15:09

Tgt Ion: 63 Resp: 902
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.3 6.9#





#25

2-Butanone

Concen: 0.667 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.03 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

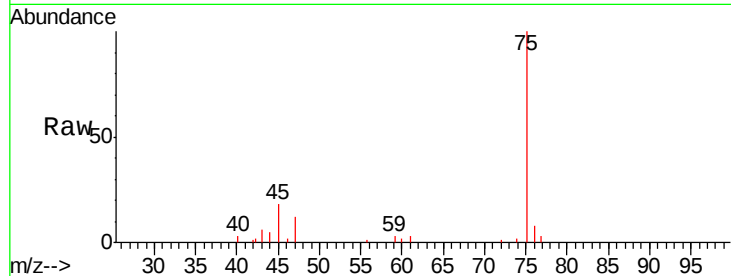
SA-PZ118S-20190926

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

43 100

72 19.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

300

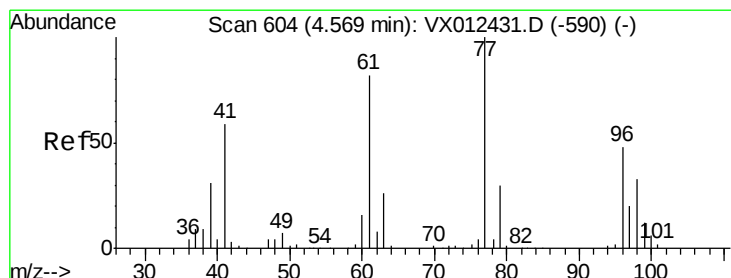
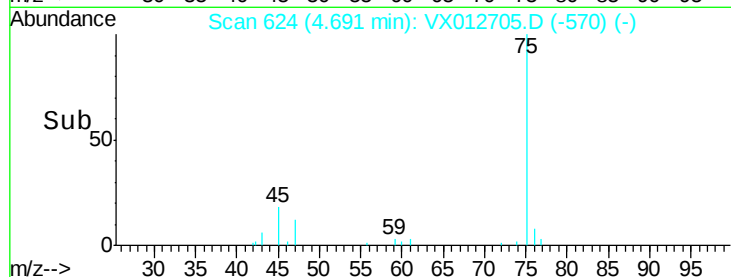
200

100

0

4.60 4.65 4.70 4.75

Time-->



#26

2,2-Dichloropropane

Concen: 0.328 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.12 min

Lab File: VX012705.D

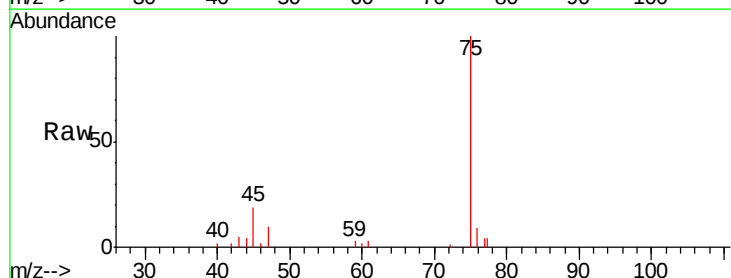
Acq: 30 Sep 2019 15:09

Tgt Ion: 77 Resp: 1114

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.69

500

400

300

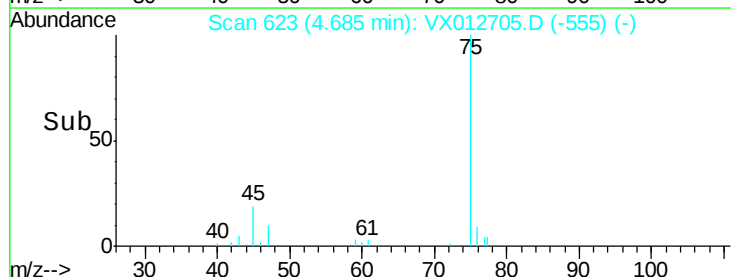
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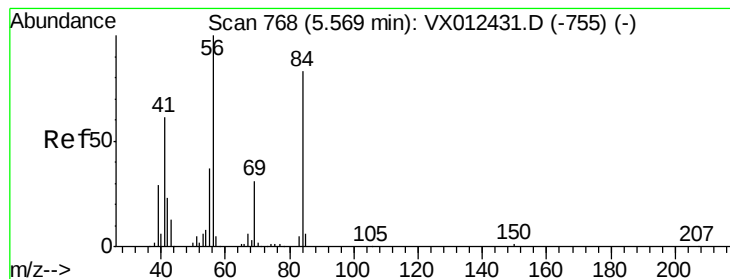
100

0

4.60 4.65 4.70 4.75

Time-->





#31

Cyclohexane

Concen: 1.204 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ118S-20190926

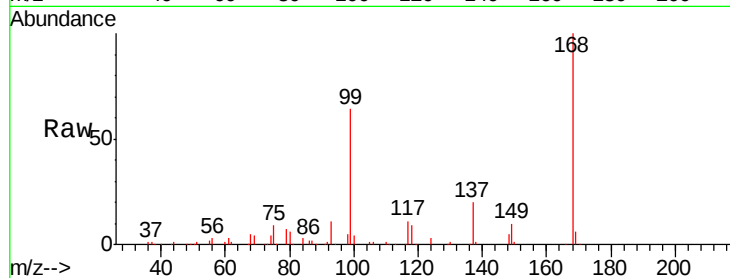
Tgt Ion: 56 Resp: 4163

Ion Ratio Lower Upper

56 100

69 172.5 25.0 37.6#

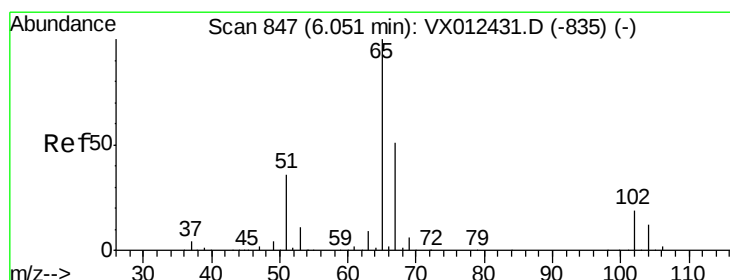
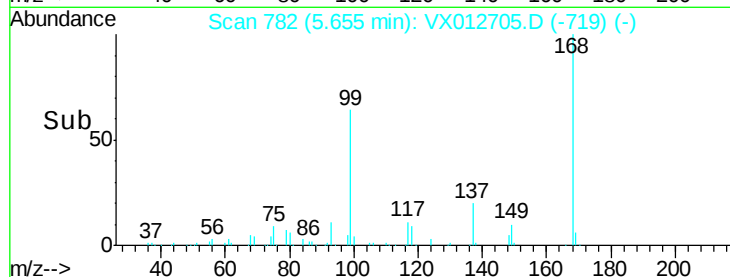
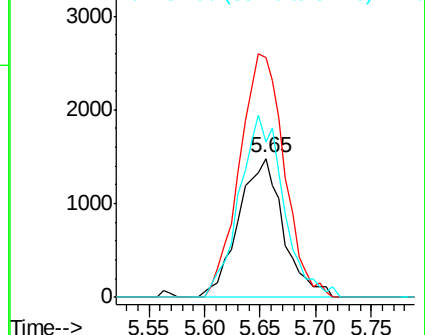
84 111.6 66.4 99.6#



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: 47.758 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012705.D

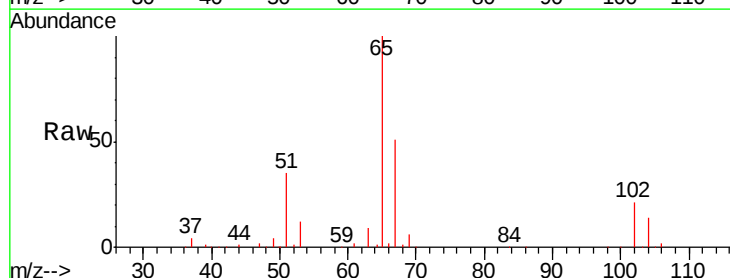
Acq: 30 Sep 2019 15:09

Tgt Ion: 65 Resp: 118588

Ion Ratio Lower Upper

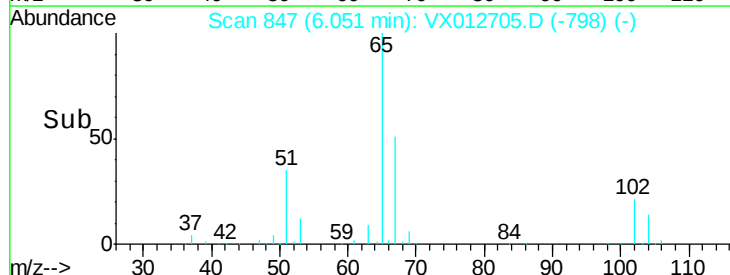
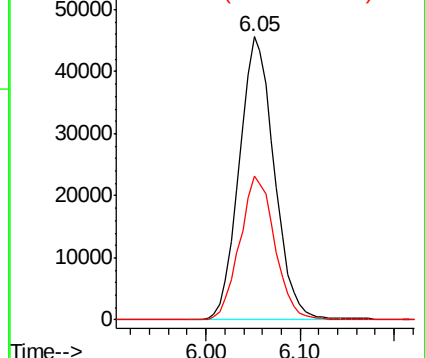
65 100

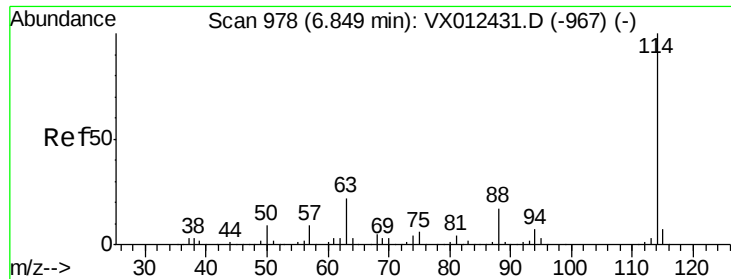
67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

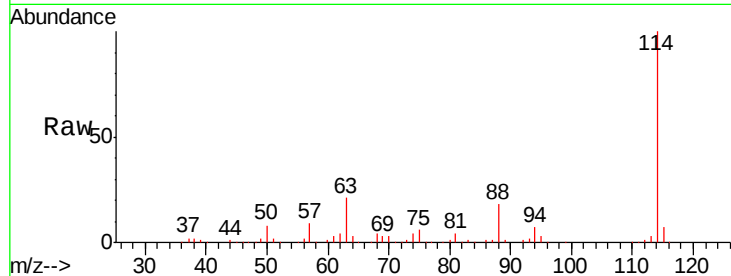




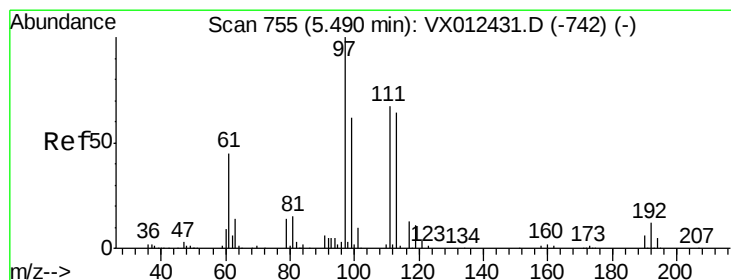
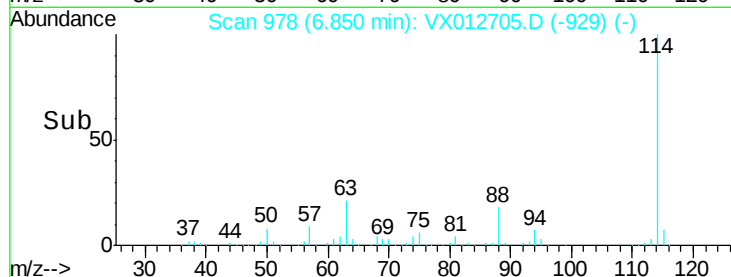
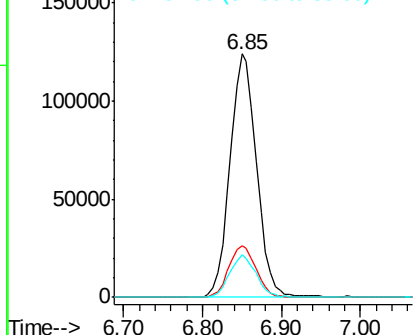
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012705.D
 Acq: 30 Sep 2019 15:09

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118S-20190926

Tgt Ion:114 Resp: 291594
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 17.6 0.0 33.2

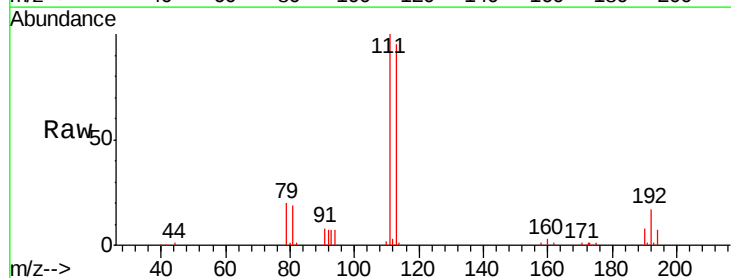


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

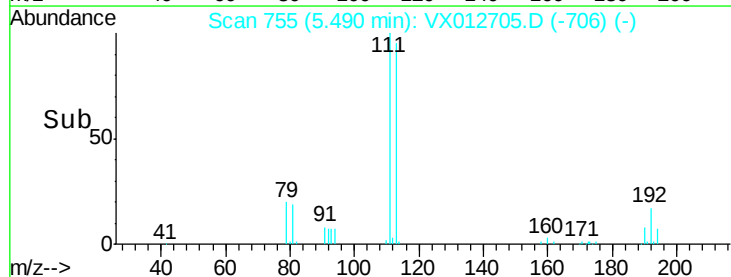
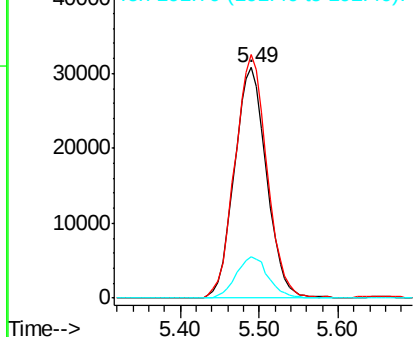


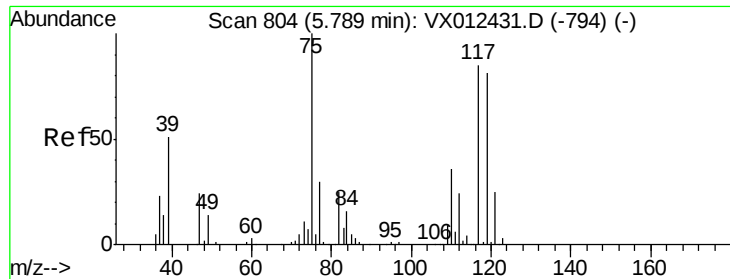
#35
 Dibromofluoromethane
 Concen: 50.401 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012705.D
 Acq: 30 Sep 2019 15:09

Tgt Ion:113 Resp: 87524
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.4 125.2
 192 17.9 14.4 21.6



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

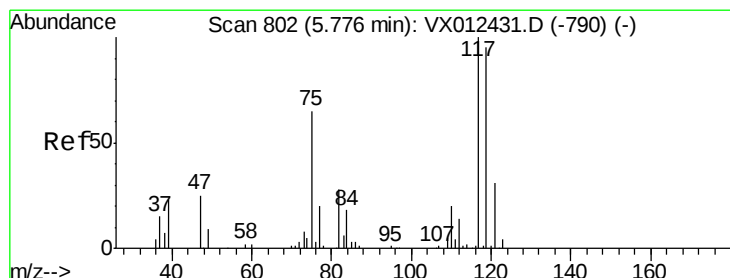
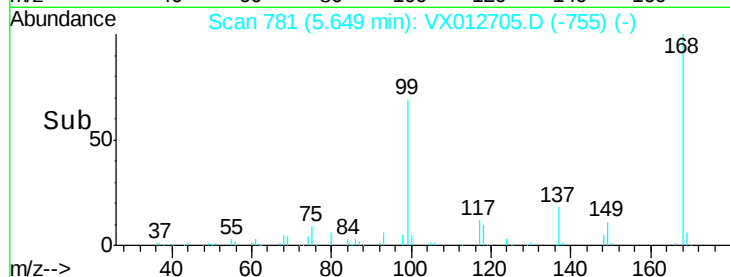
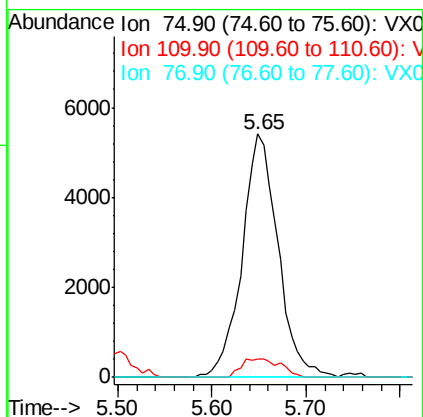
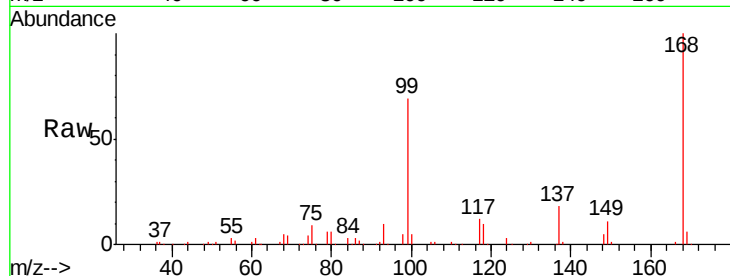




#36
 1,1-Dichloropropene
 Concen: 5.156 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012705.D
 Acq: 30 Sep 2019 15:09

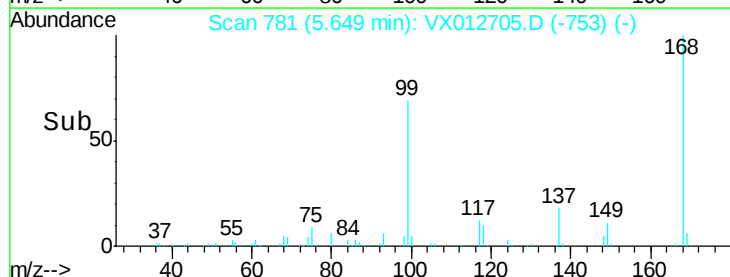
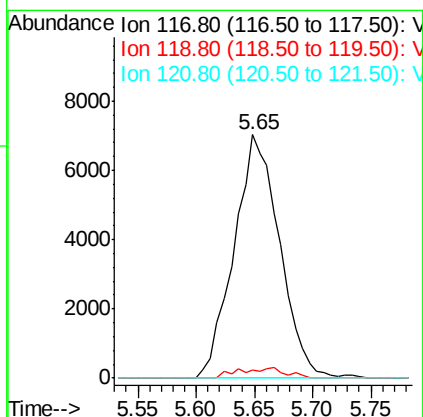
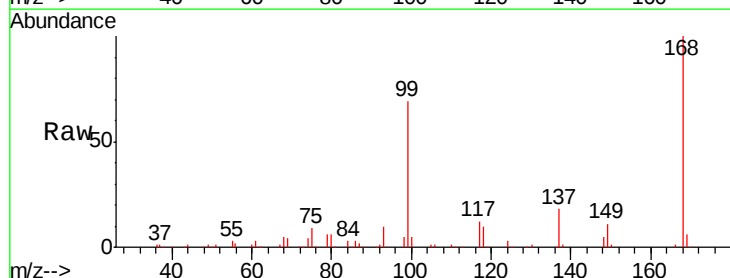
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ118S-20190926

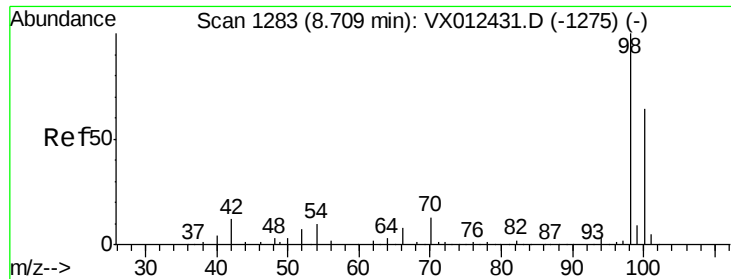
Tgt Ion: 75 Resp: 14491
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.682 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012705.D
 Acq: 30 Sep 2019 15:09

Tgt Ion: 117 Resp: 19079
 Ion Ratio Lower Upper
 117 100
 119 3.1 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 50.938 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

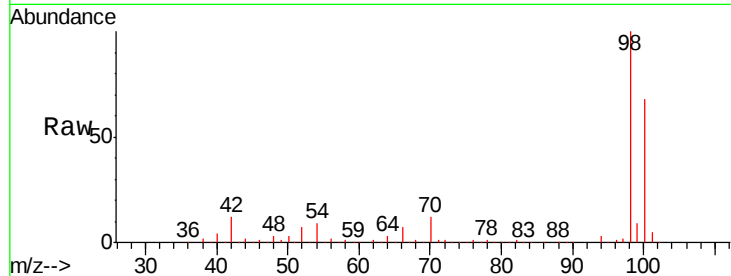
SA-PZ118S-20190926

Tgt Ion: 98 Resp: 340653

Ion Ratio Lower Upper

98 100

100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012431.D (-1275) (-)

Ion 100.00 (99.70 to 100.70): VX012705.D (-1234) (-)

8.71

250000

200000

150000

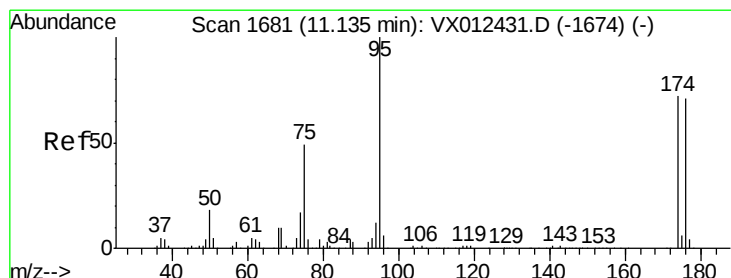
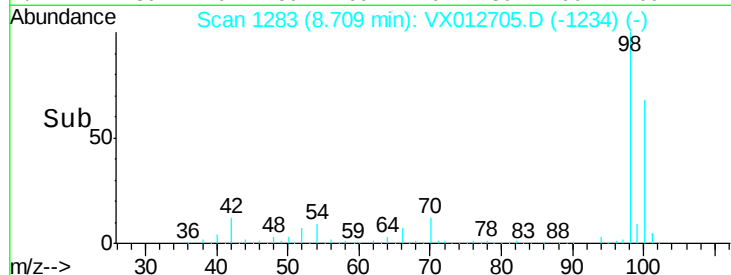
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 43.351 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

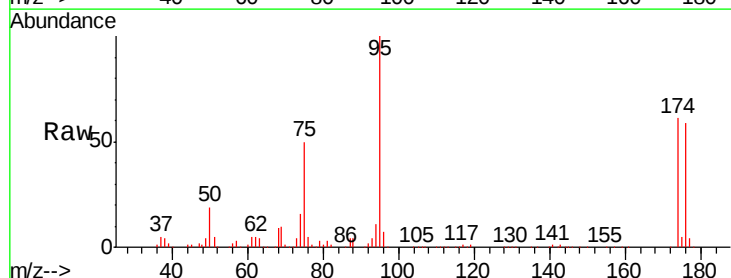
Tgt Ion: 95 Resp: 113996

Ion Ratio Lower Upper

95 100

174 68.1 0.0 140.0

176 66.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012431.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012705.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012705.D (-1632) (-)

120000

100000

80000

60000

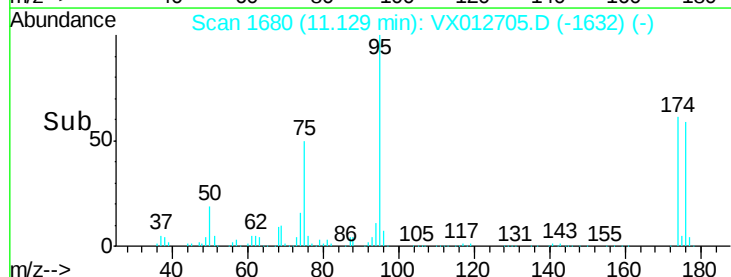
40000

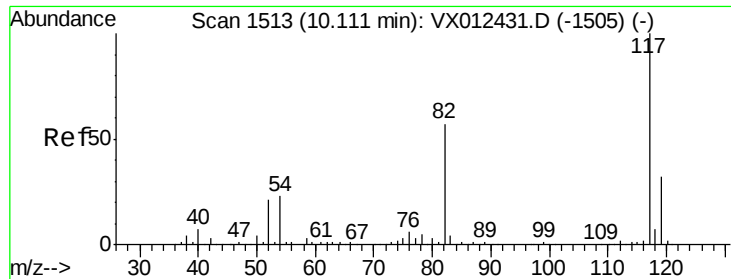
20000

0

11.10 11.20

Time-->

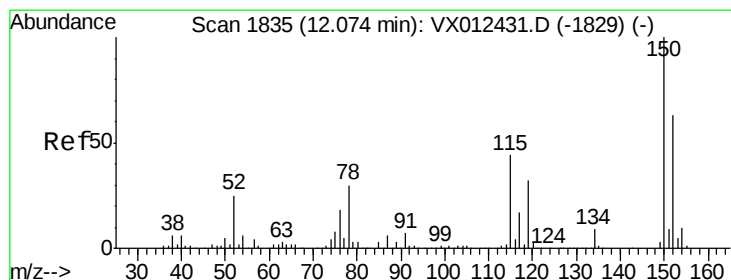
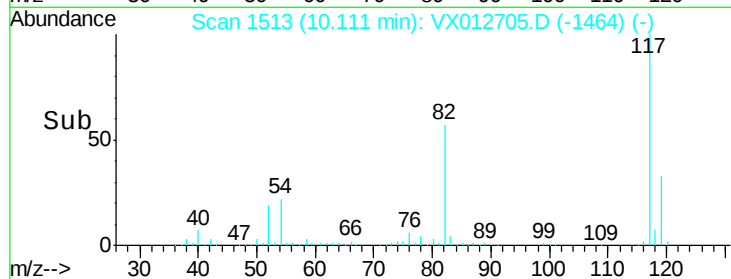
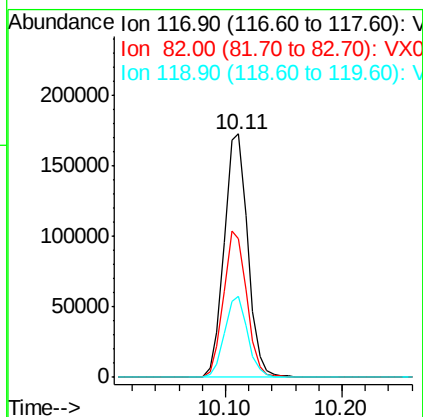
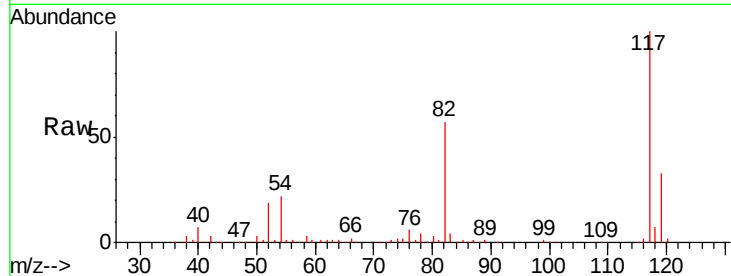




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012705.D
Acq: 30 Sep 2019 15:09

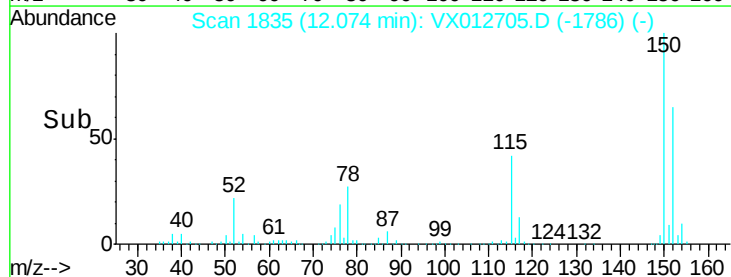
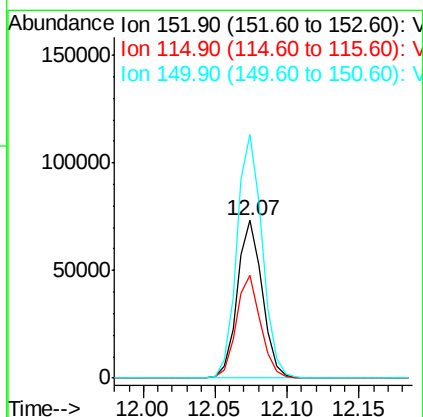
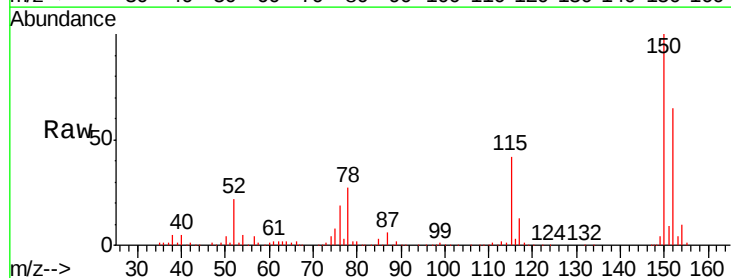
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ118S-20190926

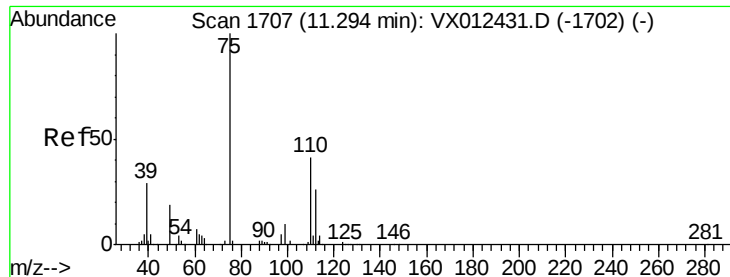
Tgt Ion:117 Resp: 242606
Ion Ratio Lower Upper
117 100
82 56.7 45.9 68.9
119 33.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012705.D
Acq: 30 Sep 2019 15:09

Tgt Ion:152 Resp: 88770
Ion Ratio Lower Upper
152 100
115 64.0 44.1 132.3
150 156.9 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 24.217 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

Instrument :

MSVOA_X

ClientSampleId :

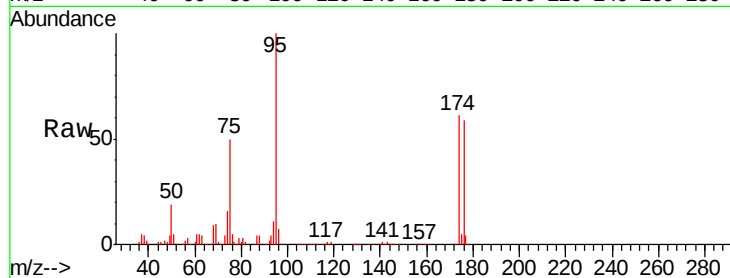
SA-PZ118S-20190926

Tgt Ion: 75 Resp: 56867

Ion Ratio Lower Upper

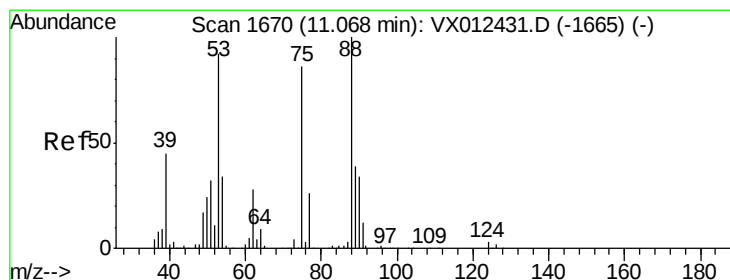
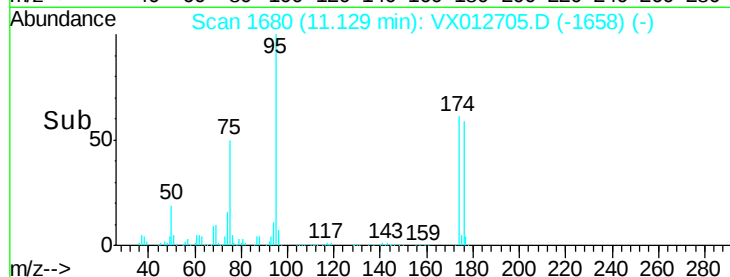
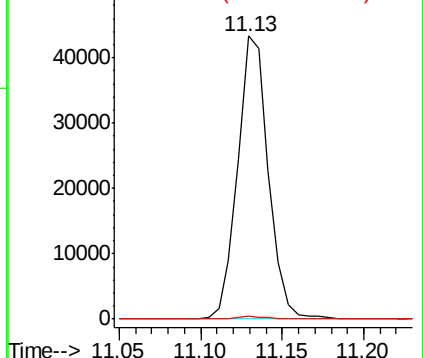
75 100

77 1.0 19.7 59.0#



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: 69.402 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012705.D

Acq: 30 Sep 2019 15:09

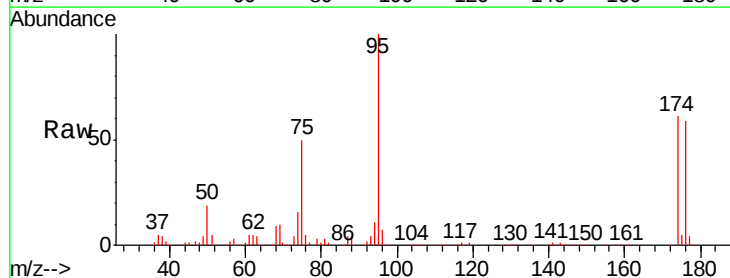
Tgt Ion: 75 Resp: 56867

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

