

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012715.D
 Acq On : 30 Sep 2019 19:03
 Operator : JC/SP
 Sample : K5081-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ147-20190926

Quant Time: Oct 01 03:49:18 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	161449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84509	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	114357	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	5.49	113	82974	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.71	98	322477	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	11.14	95	106879	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	

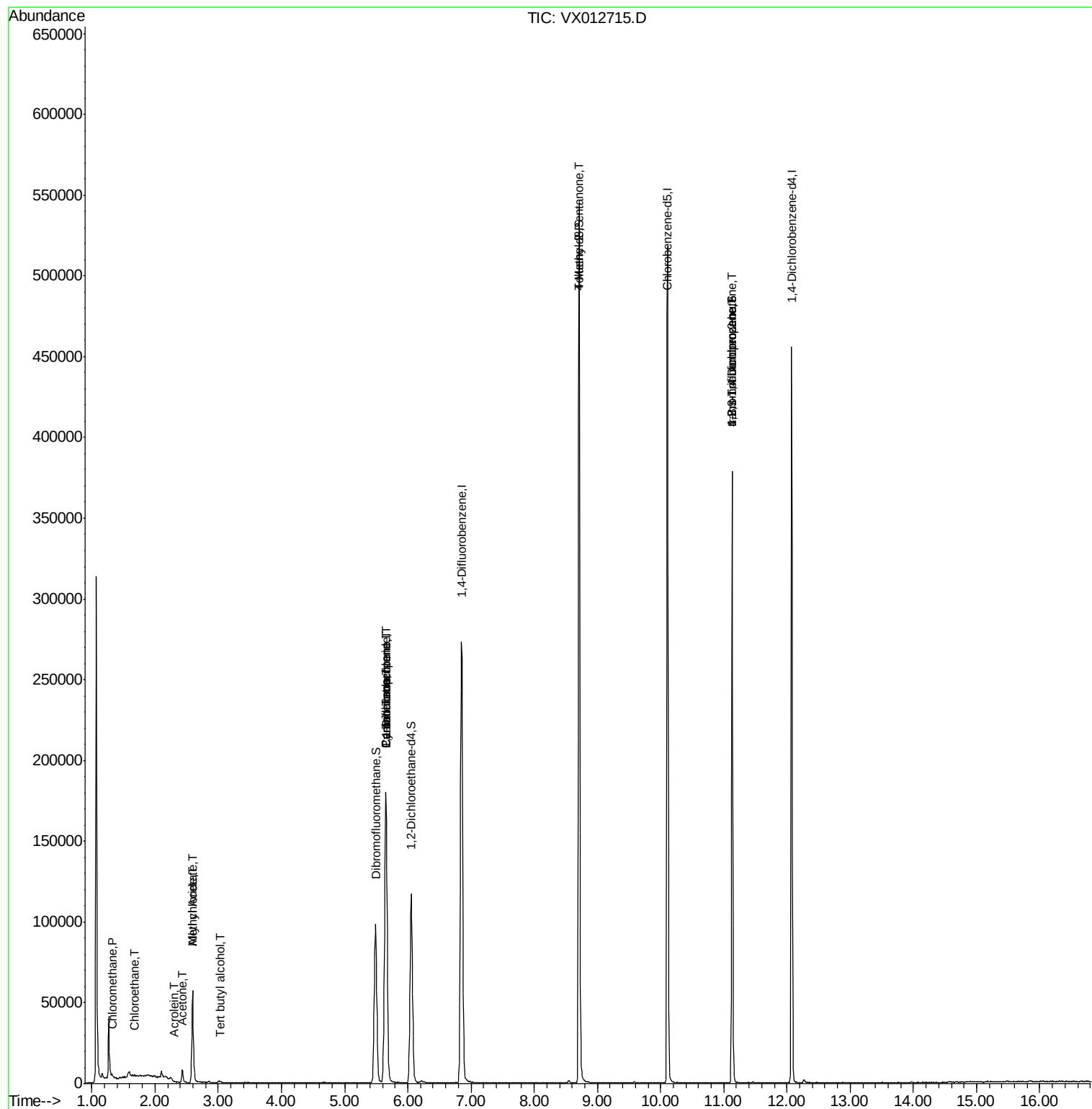
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	764	0.366	ug/l	97
6) Chloroethane	1.67	64	1164	0.833	ug/l #	46
11) Tert butyl alcohol	3.03	59	1333	2.270	ug/l #	72
13) Acrolein	2.30	56	52	10.385	ug/l #	1
14) Allyl chloride	2.59	41	5657	1.643	ug/l #	66
16) Acetone	2.43	43	7970	6.400	ug/l	91
18) Methyl Acetate	2.59	43	14498	4.944	ug/l #	54
31) Cyclohexane	5.65	56	3665	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13957	5.249	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18039	6.679	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1644	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	54188	24.240	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	54188	69.467	ug/l #	8

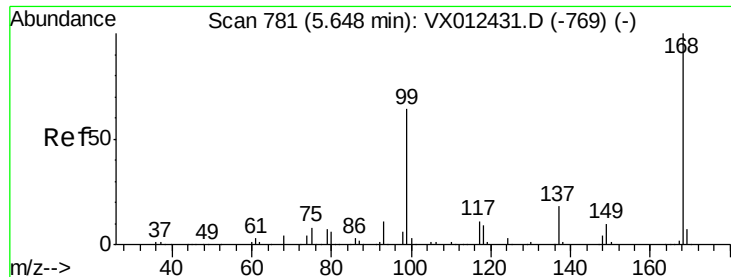
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
Data File : VX012715.D
Acq On : 30 Sep 2019 19:03
Operator : JC/SP
Sample : K5081-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190926

Quant Time: Oct 01 03:49:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

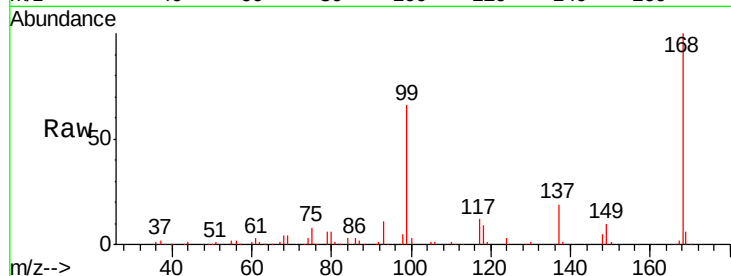
SA-PZ147-20190926

Tgt Ion:168 Resp: 161449

Ion Ratio Lower Upper

168 100

99 65.7 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

50000

40000

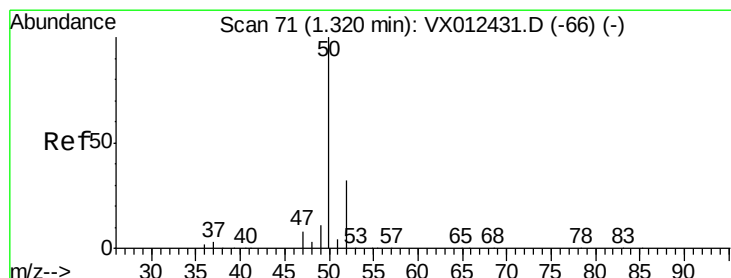
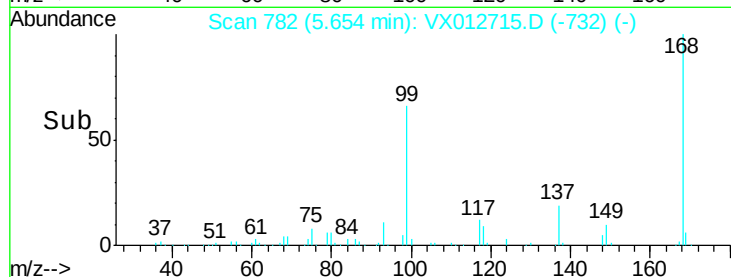
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.366 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012715.D

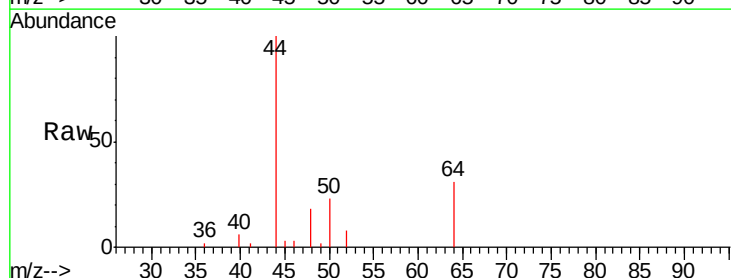
Acq: 30 Sep 2019 19:03

Tgt Ion: 50 Resp: 764

Ion Ratio Lower Upper

50 100

52 33.9 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

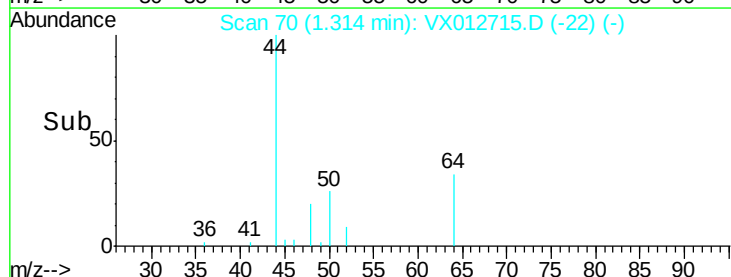
600

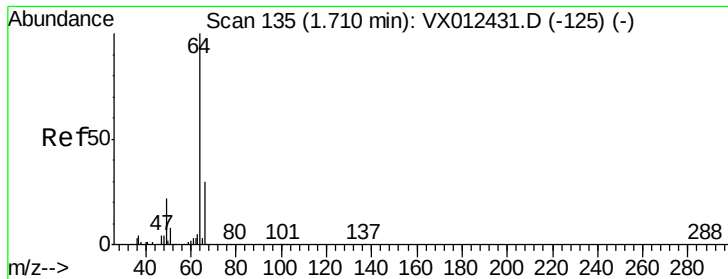
400

200

0

Time--> 1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 0.833 ug/l

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

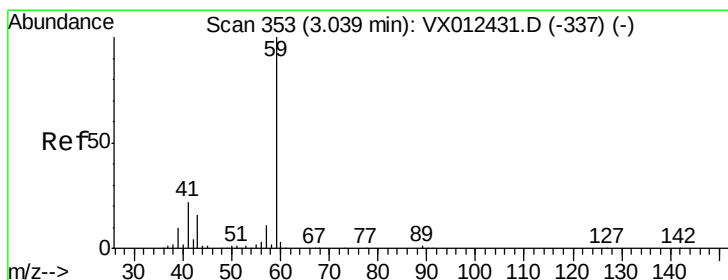
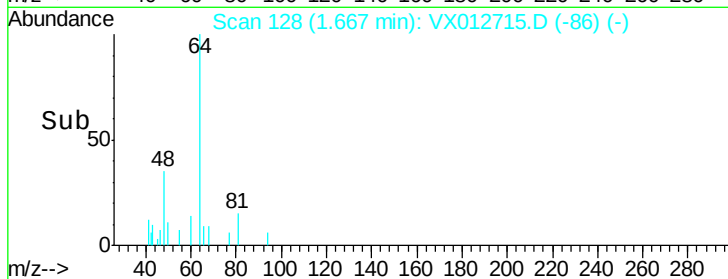
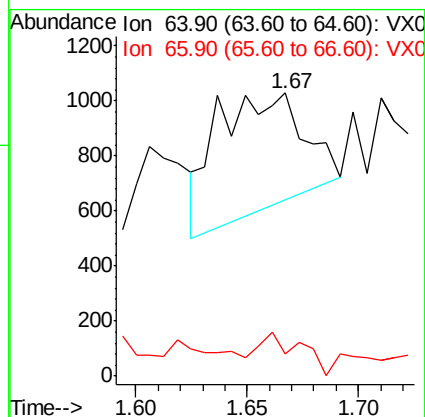
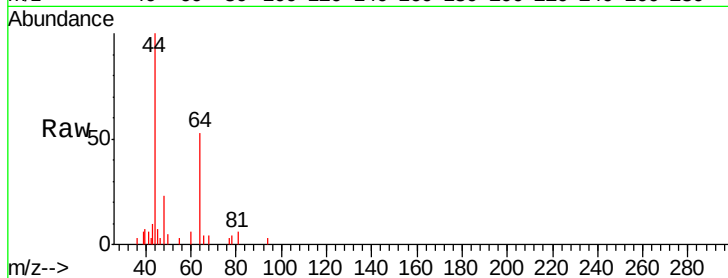
SA-PZ147-20190926

Tgt Ion: 64 Resp: 1164

Ion Ratio Lower Upper

64 100

66 0.7 24.0 36.0#



#11

Tert butyl alcohol

Concen: 2.270 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012715.D

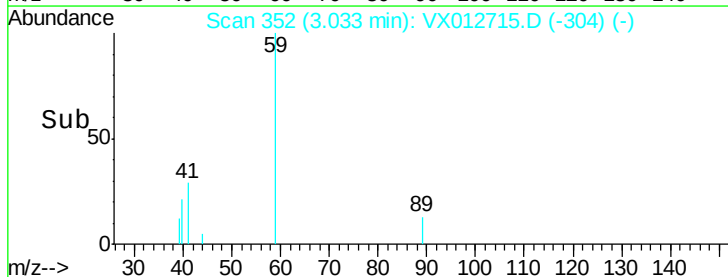
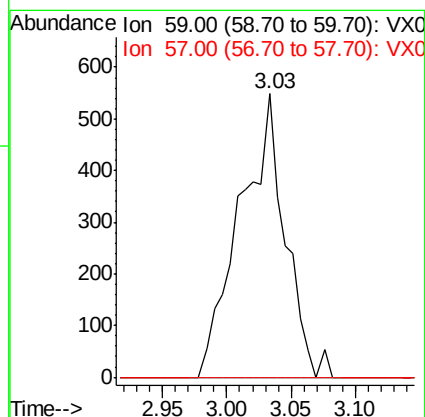
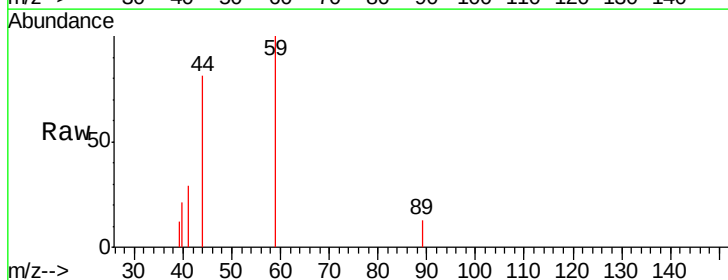
Acq: 30 Sep 2019 19:03

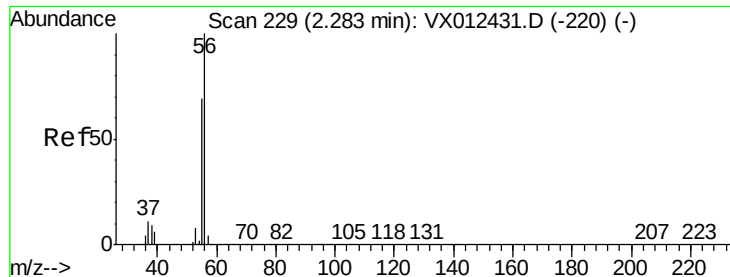
Tgt Ion: 59 Resp: 1333

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.385 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

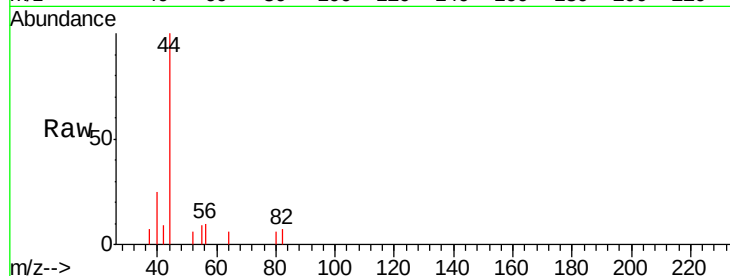
SA-PZ147-20190926

Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

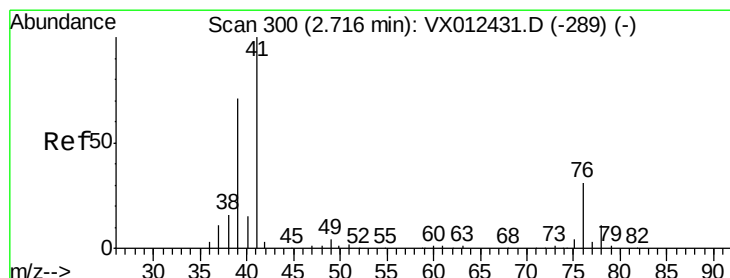
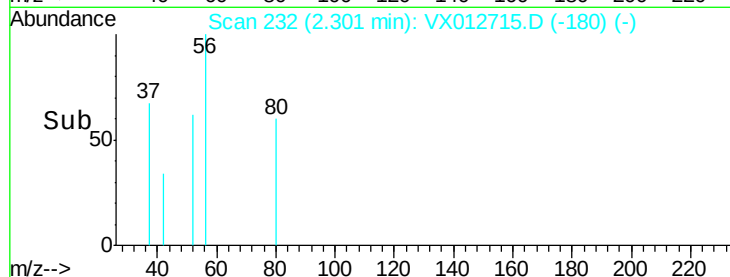
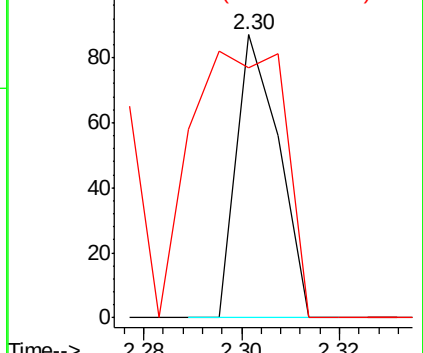
56 100

55 209.6 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.643 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

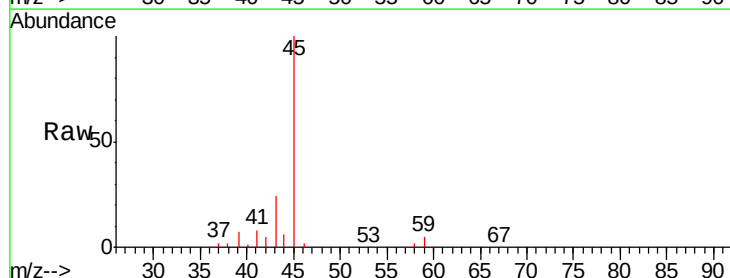
Tgt Ion: 41 Resp: 5657

Ion Ratio Lower Upper

41 100

39 84.6 51.3 76.9#

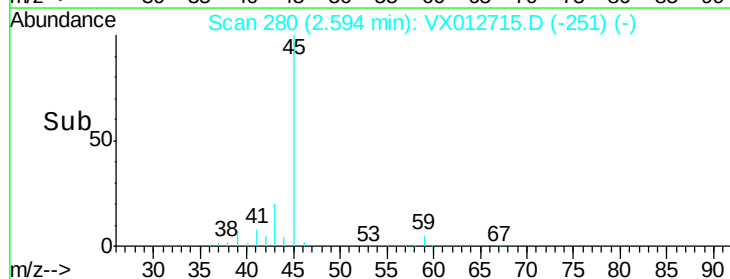
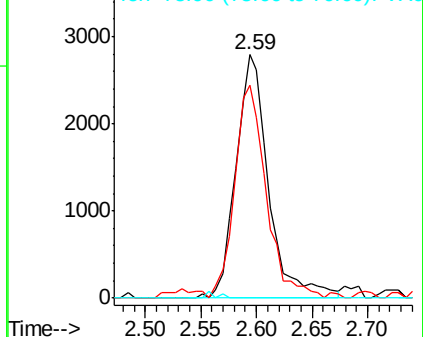
76 0.0 22.6 33.8#

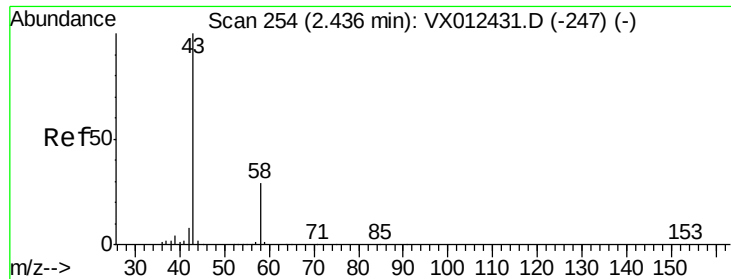


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 6.400 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

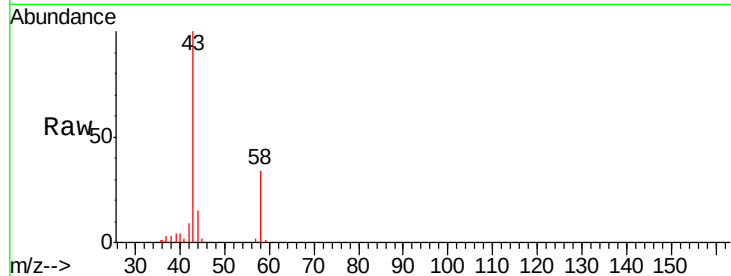
SA-PZ147-20190926

Tgt Ion: 43 Resp: 7970

Ion Ratio Lower Upper

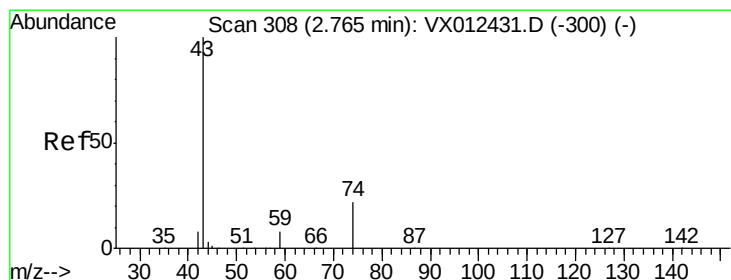
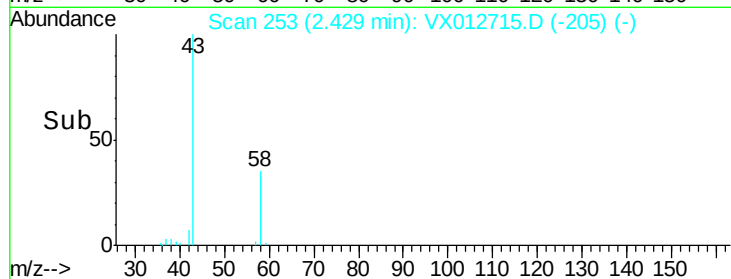
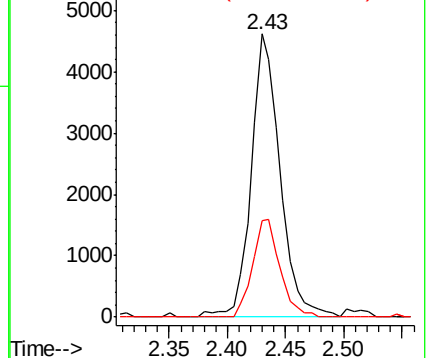
43 100

58 34.1 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: 4.944 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012715.D

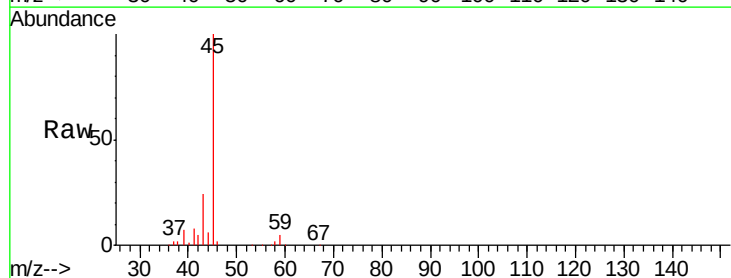
Acq: 30 Sep 2019 19:03

Tgt Ion: 43 Resp: 14498

Ion Ratio Lower Upper

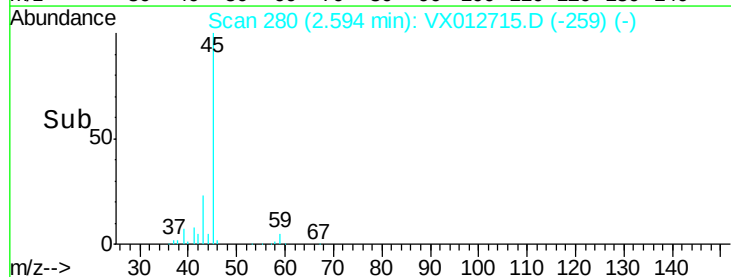
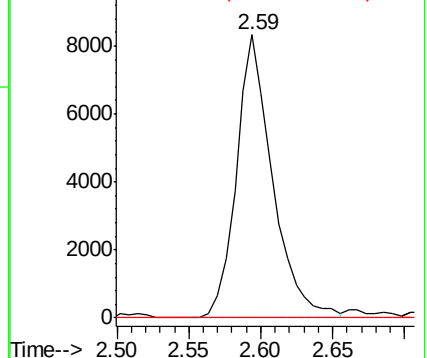
43 100

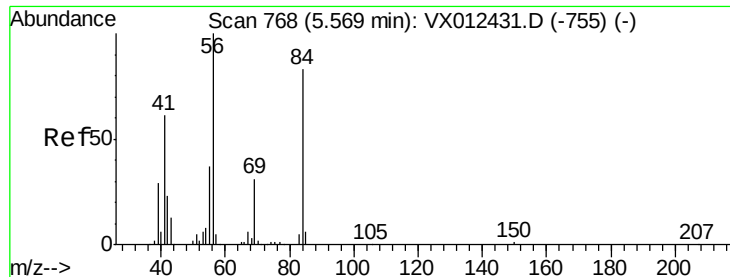
74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

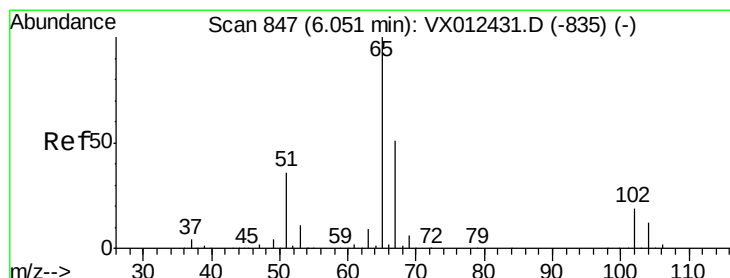
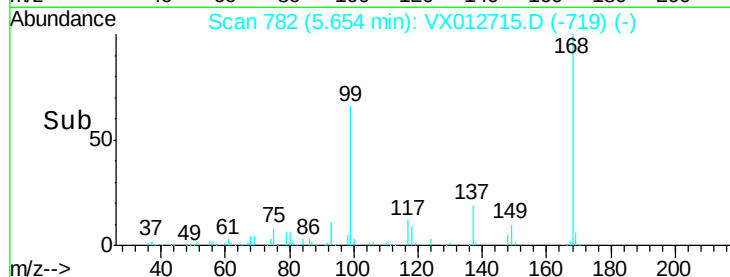
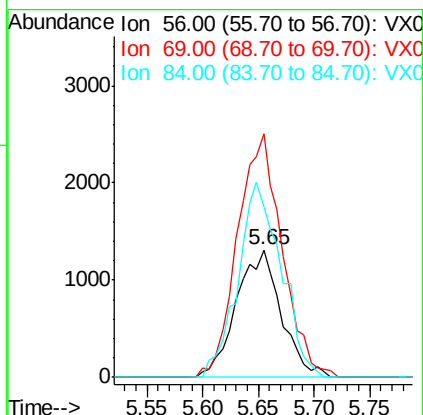
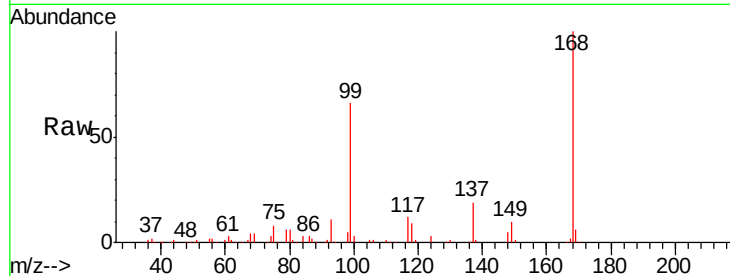




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012715.D
Acq: 30 Sep 2019 19:03

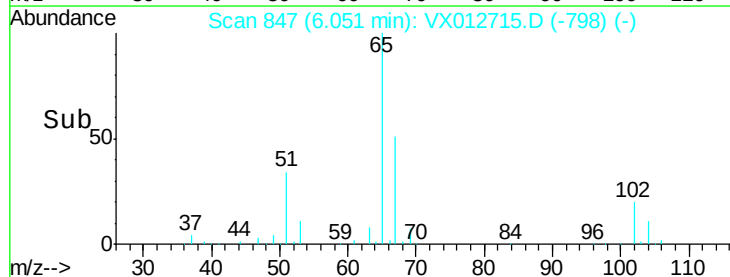
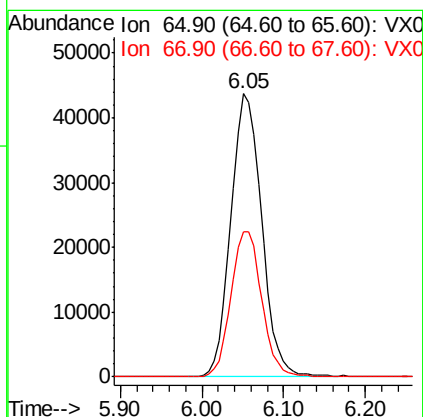
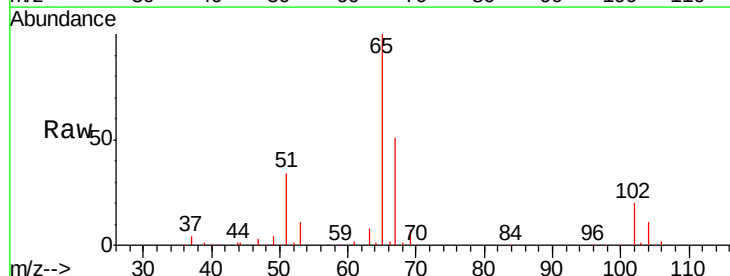
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190926

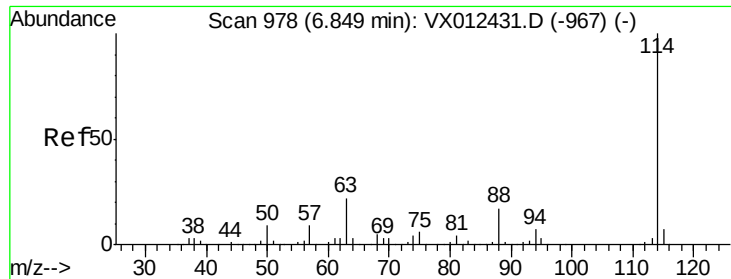
Tgt Ion: 56 Resp: 3665
Ion Ratio Lower Upper
56 100
69 191.2 25.0 37.6#
84 134.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.642 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012715.D
Acq: 30 Sep 2019 19:03

Tgt Ion: 65 Resp: 114357
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.2

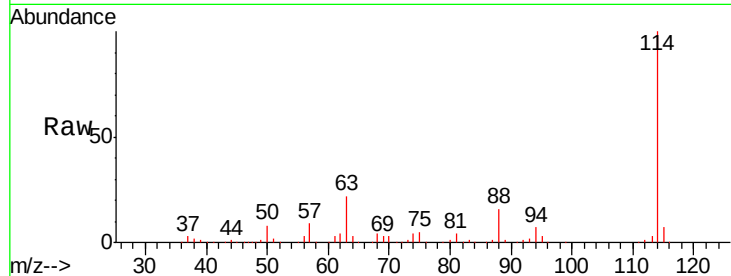




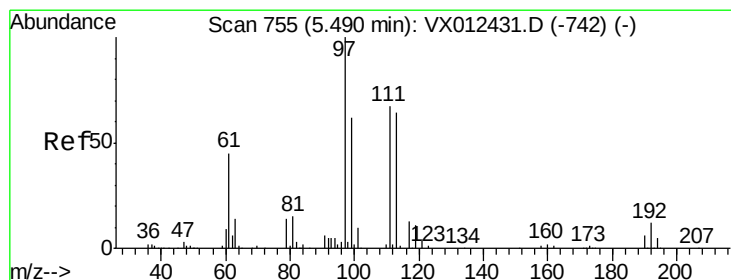
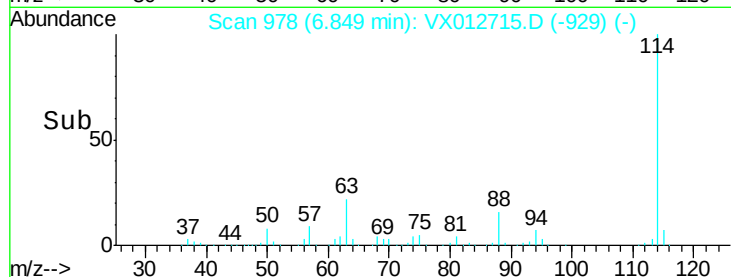
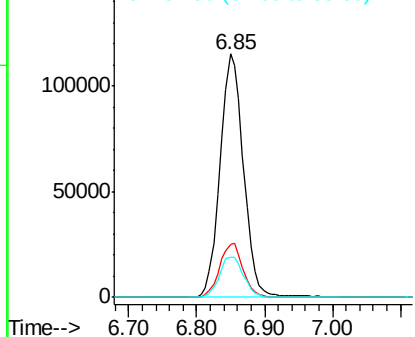
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012715.D
 Acq: 30 Sep 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ147-20190926

Tgt Ion:114 Resp: 275855
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.4 0.0 33.2

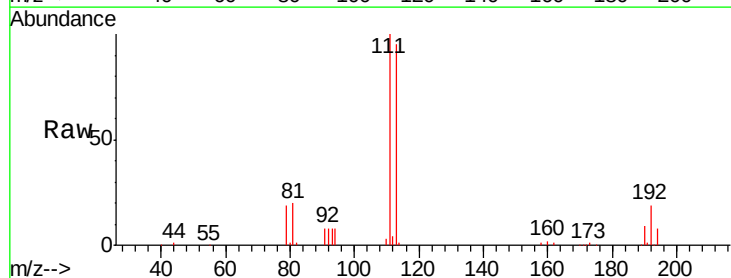


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

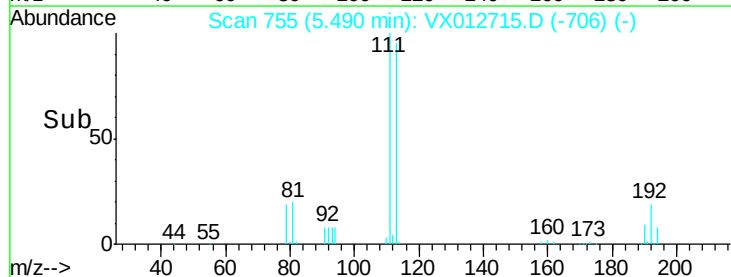
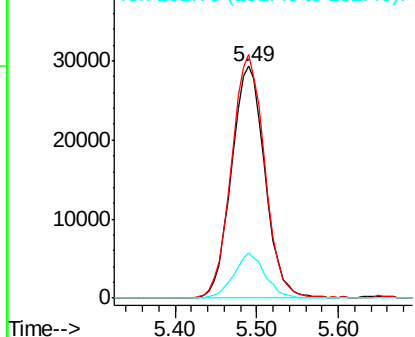


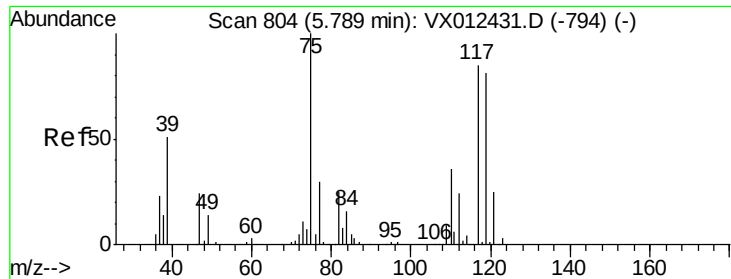
#35
 Dibromofluoromethane
 Concen: 50.507 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012715.D
 Acq: 30 Sep 2019 19:03

Tgt Ion:113 Resp: 82974
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.4 125.2
 192 18.1 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

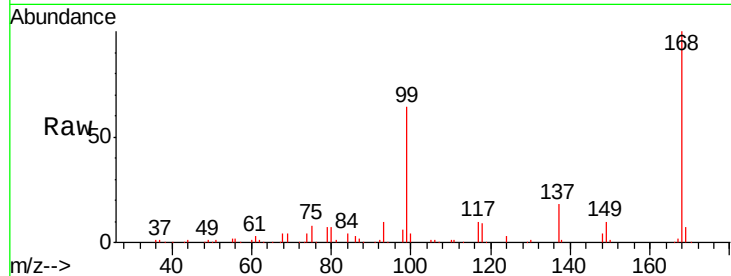




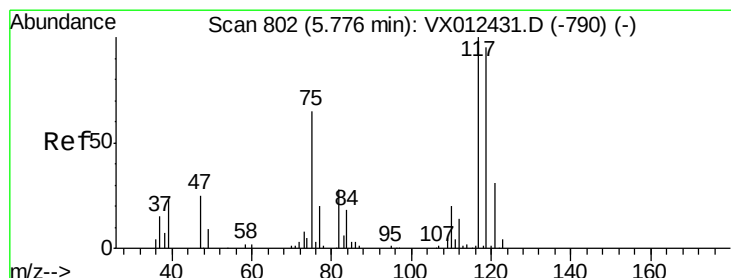
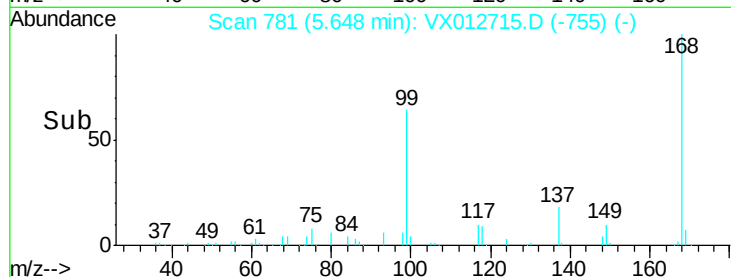
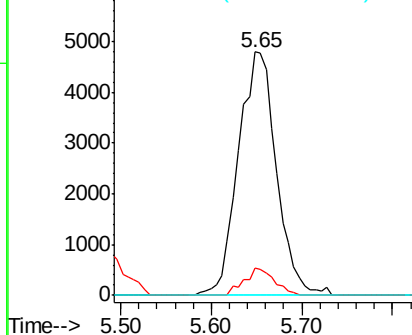
#36
 1,1-Dichloropropene
 Concen: 5.249 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012715.D
 Acq: 30 Sep 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ147-20190926

Tgt Ion: 75 Resp: 13957
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.7 50.0#
 77 0.0 24.2 36.2#

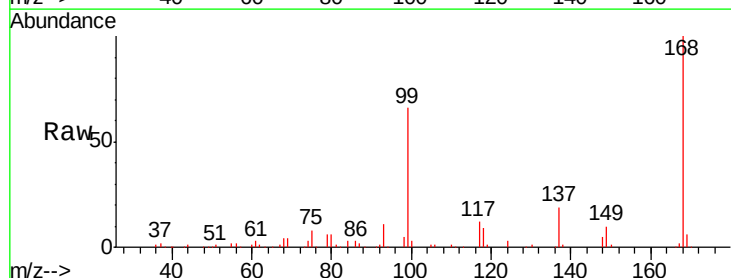


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

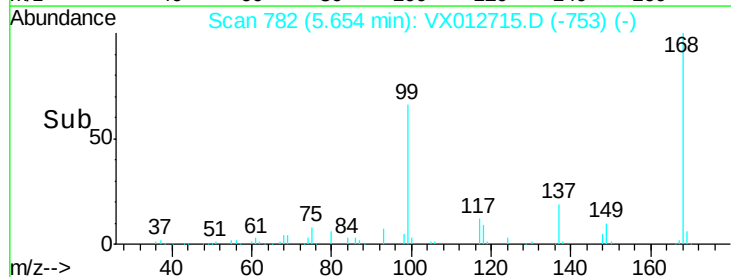
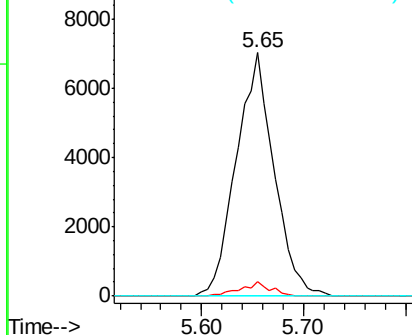


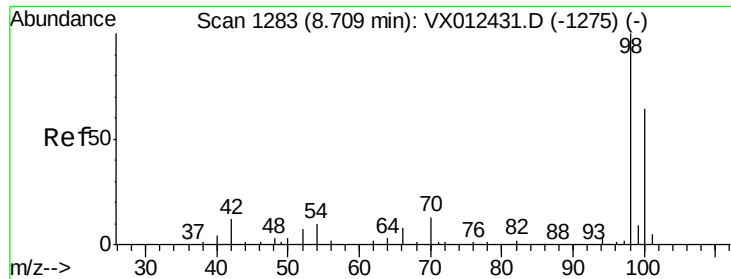
#38
 Carbon Tetrachloride
 Concen: 6.679 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012715.D
 Acq: 30 Sep 2019 19:03

Tgt Ion: 117 Resp: 18039
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.7 113.5#
 121 0.0 24.2 36.4#



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

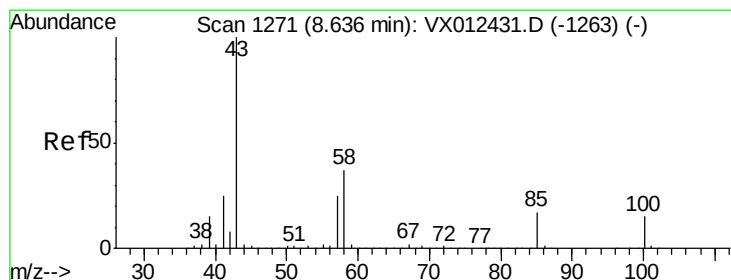
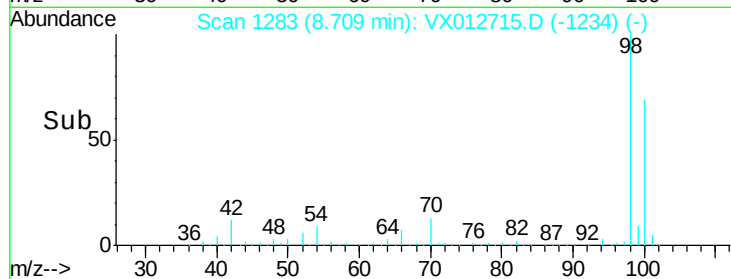
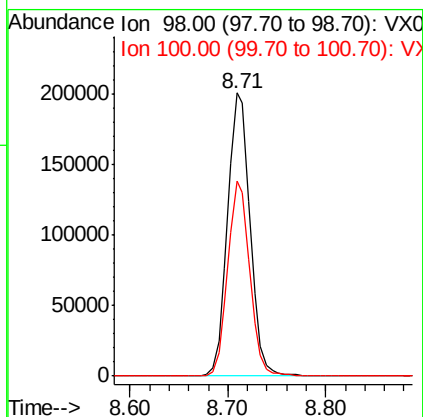
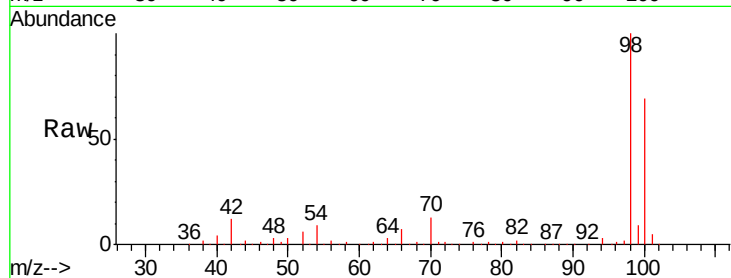




#50
Toluene-d8
Concen: 50.971 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012715.D
Acq: 30 Sep 2019 19:03

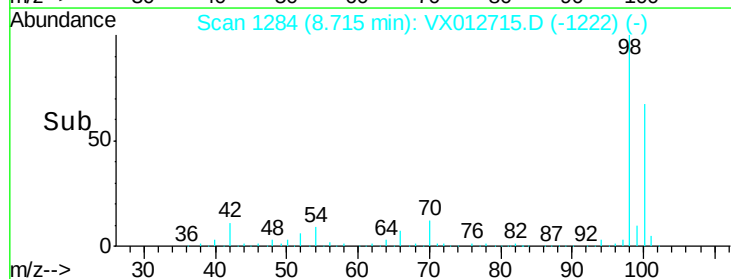
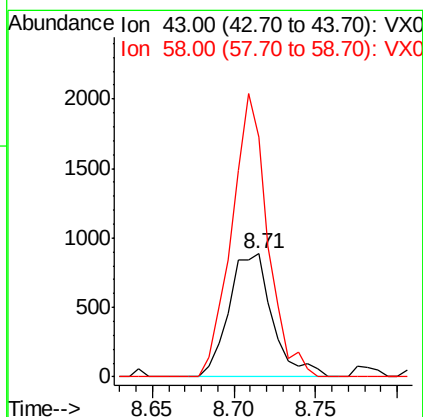
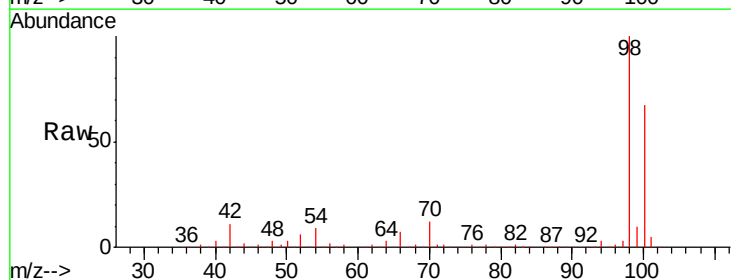
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190926

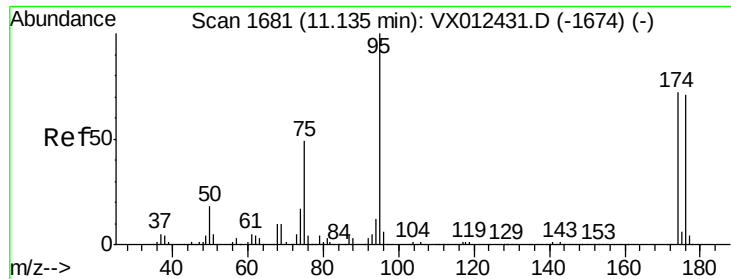
Tgt Ion: 98 Resp: 322477
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.512 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012715.D
Acq: 30 Sep 2019 19:03

Tgt Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
58 190.6 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 42.964 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190926

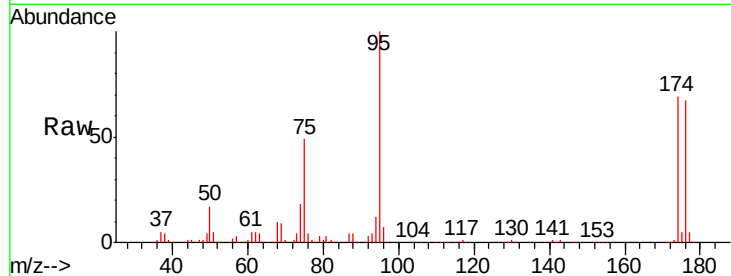
Tgt Ion: 95 Resp: 106879

Ion Ratio Lower Upper

95 100

174 68.3 0.0 140.0

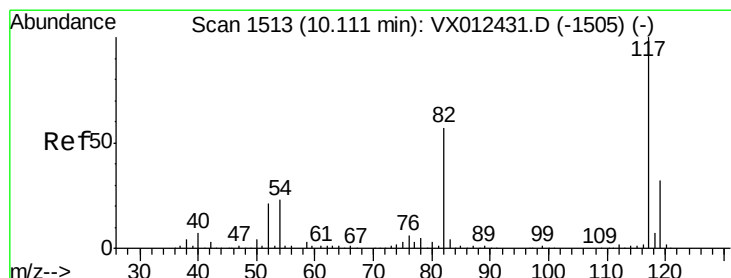
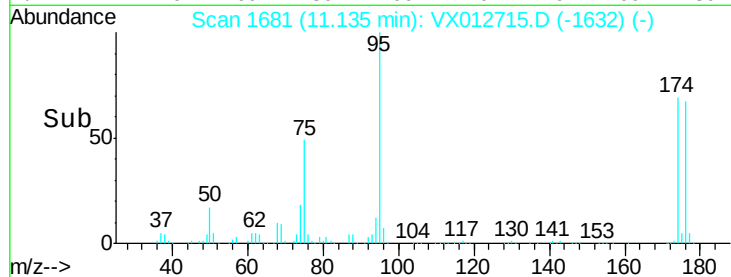
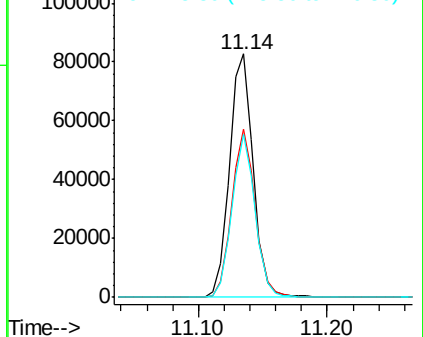
176 65.2 0.0 135.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

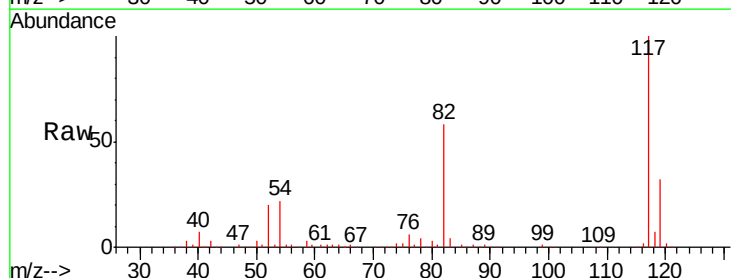
Tgt Ion: 117 Resp: 229981

Ion Ratio Lower Upper

117 100

82 57.8 45.9 68.9

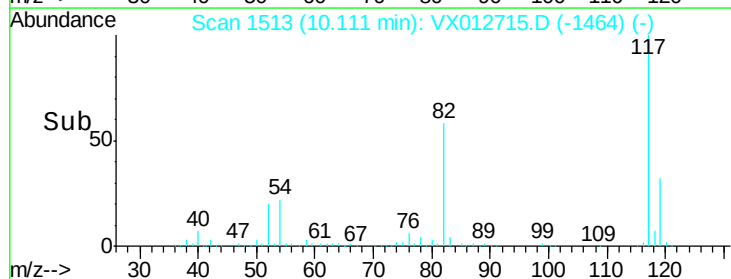
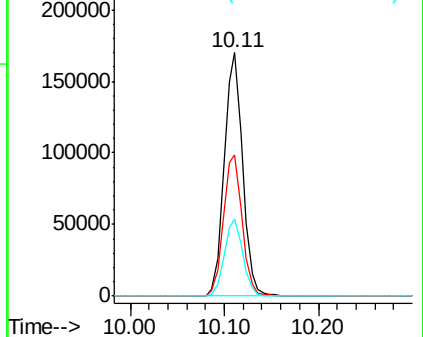
119 31.7 25.3 37.9

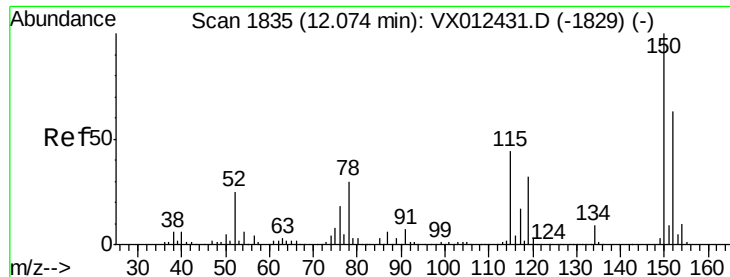


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190926

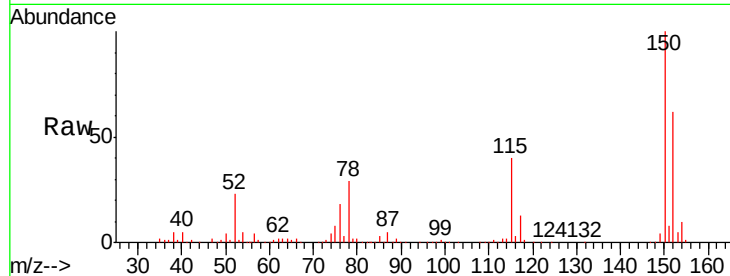
Tgt Ion: 152 Resp: 84509

Ion Ratio Lower Upper

152 100

115 65.8 44.1 132.3

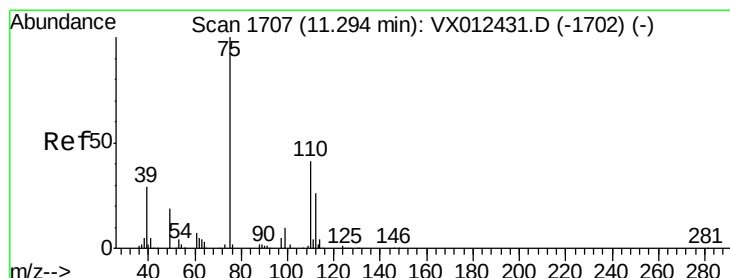
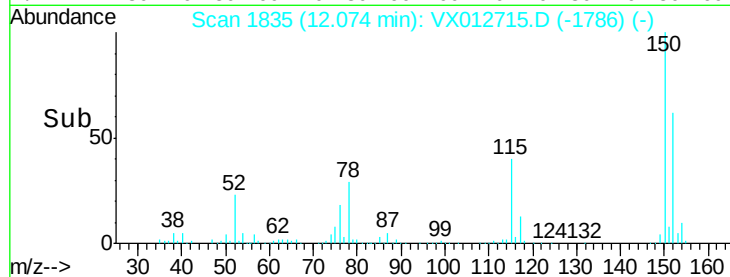
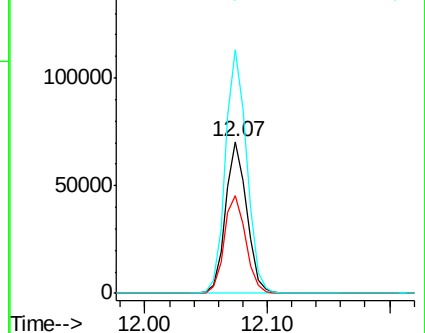
150 160.8 0.0 343.8



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: 24.240 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012715.D

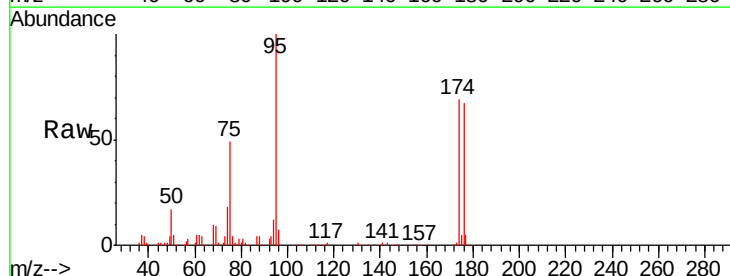
Acq: 30 Sep 2019 19:03

Tgt Ion: 75 Resp: 54188

Ion Ratio Lower Upper

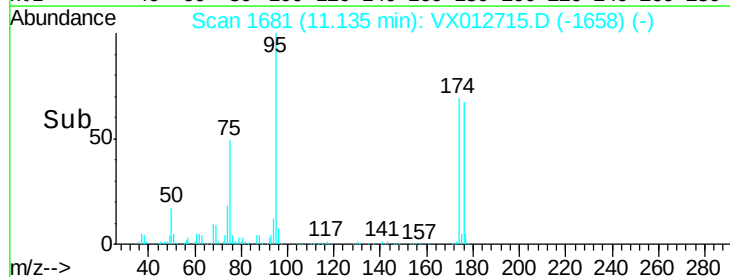
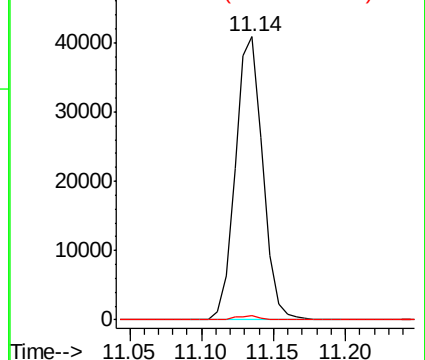
75 100

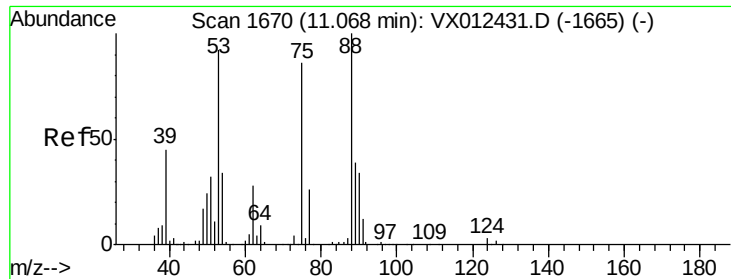
77 1.3 19.7 59.0#



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: 69.467 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012715.D

Acq: 30 Sep 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190926

Tgt Ion: 75 Resp: 54188

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

