

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012714.D
 Acq On : 30 Sep 2019 18:39
 Operator : JC/SP
 Sample : K5081-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ124-20190926

Quant Time: Oct 01 03:49:04 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	166632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	96409	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	117684	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	5.49	113	86760	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	8.71	98	338471	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.14	95	117603	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	

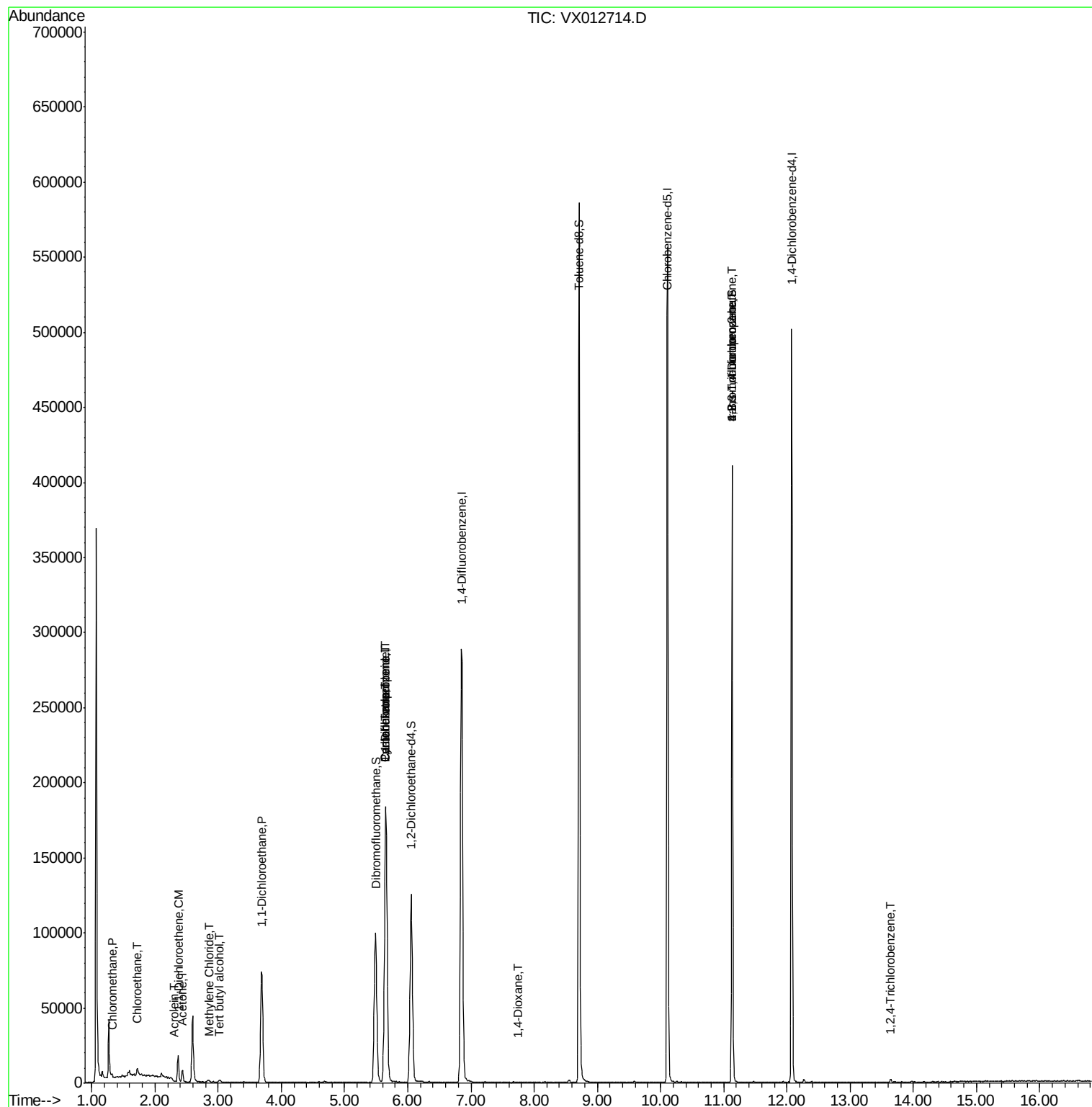
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1267	0.589	ug/l	93
6) Chloroethane	1.72	64	3474	2.409	ug/l	94
11) Tert butyl alcohol	3.02	59	1551	2.559	ug/l #	83
12) 1,1-Dichloroethene	2.37	96	5711	3.188	ug/l	99
13) Acrolein	2.31	56	22	10.295	ug/l #	15
16) Acetone	2.44	43	8361	6.505	ug/l	97
20) Methylene Chloride	2.86	84	464	0.213	ug/l #	79
24) 1,1-Dichloroethane	3.69	63	85931	23.017	ug/l	99
31) Cyclohexane	5.65	56	4210	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14535	5.173	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17947	6.288	ug/l #	16
49) 1,4-Dioxane	7.75	88	45	0.753	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	59154	23.195	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	59154	66.473	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.64	180	619	0.317	ug/l	94

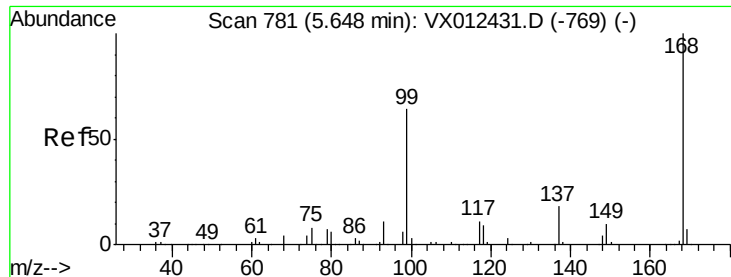
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
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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: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

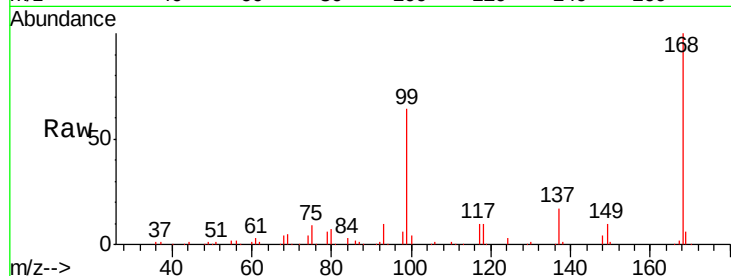
SA-PZ124-20190926

Tgt Ion:168 Resp: 166632

Ion Ratio Lower Upper

168 100

99 64.3 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

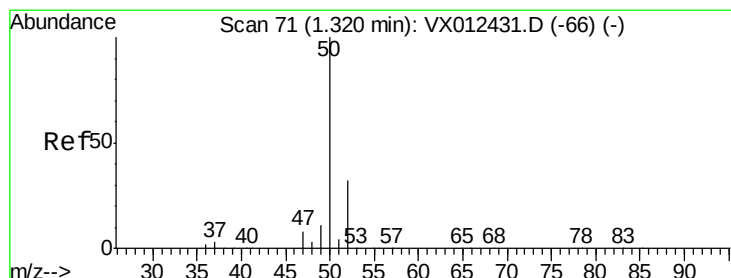
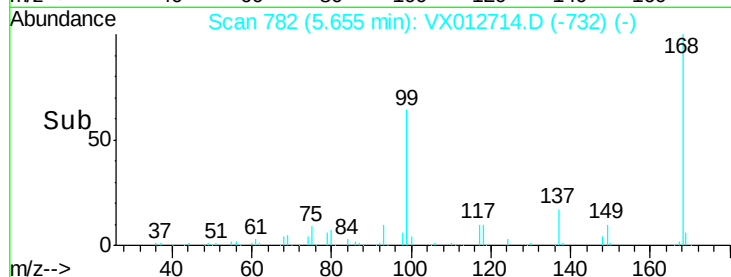
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.589 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012714.D

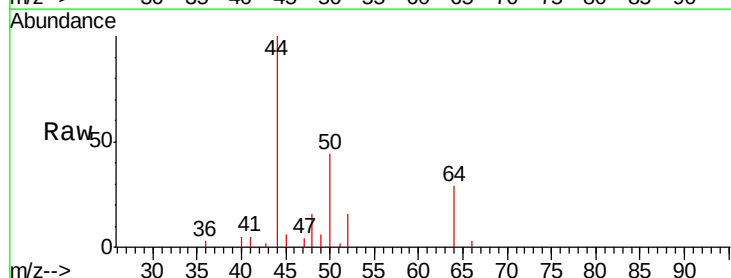
Acq: 30 Sep 2019 18:39

Tgt Ion: 50 Resp: 1267

Ion Ratio Lower Upper

50 100

52 35.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

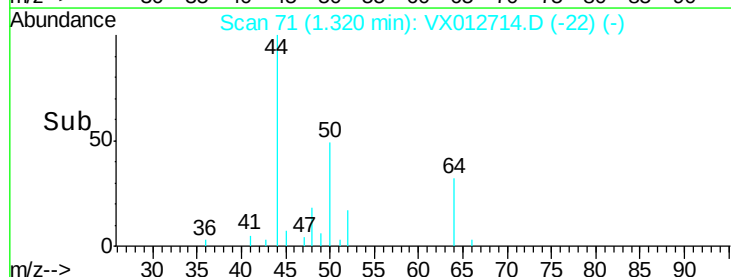
600

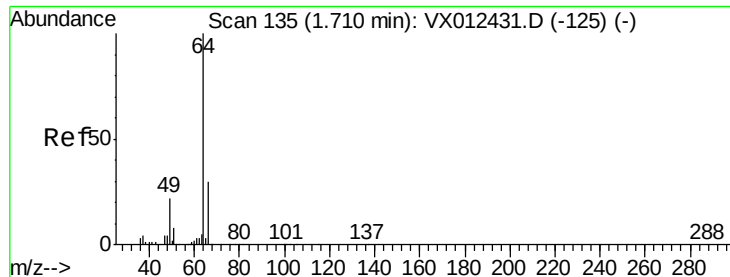
400

200

0

Time--> 1.28 1.30 1.32 1.34 1.36





#6

Chloroethane

Concen: 2.409 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

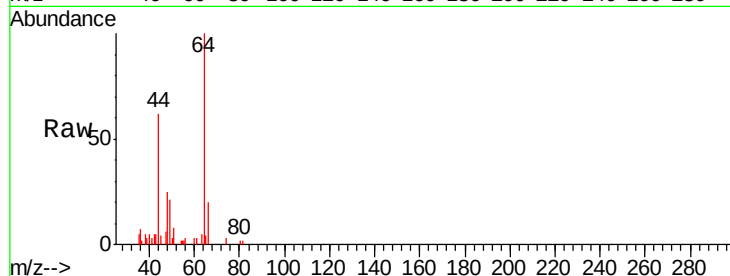
SA-PZ124-20190926

Tgt Ion: 64 Resp: 3474

Ion Ratio Lower Upper

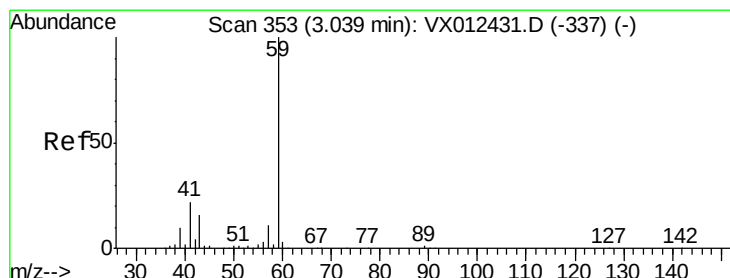
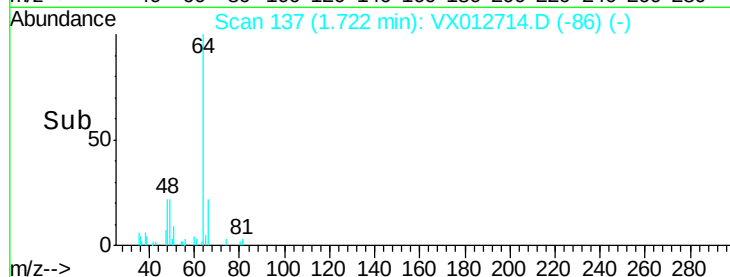
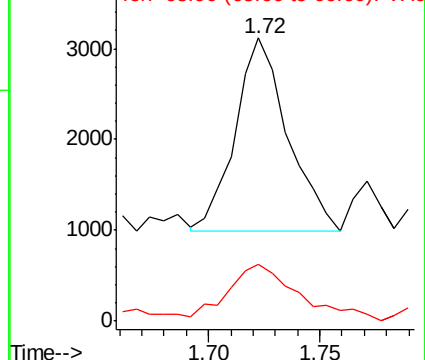
64 100

66 26.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 2.559 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012714.D

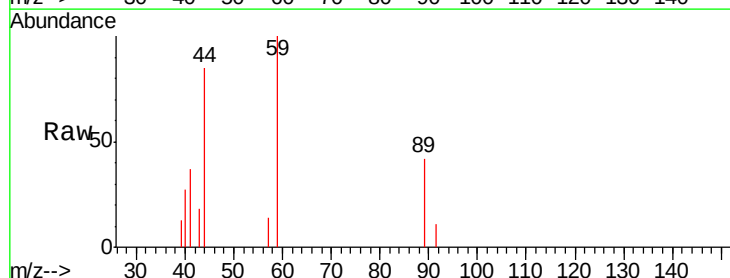
Acq: 30 Sep 2019 18:39

Tgt Ion: 59 Resp: 1551

Ion Ratio Lower Upper

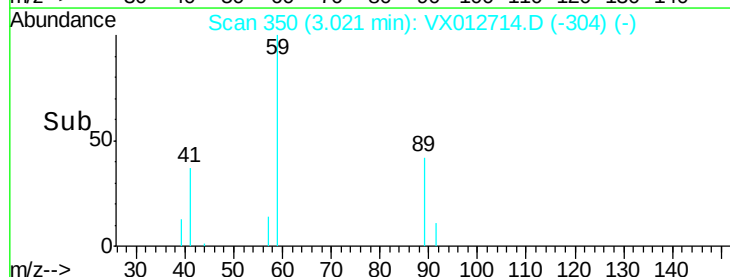
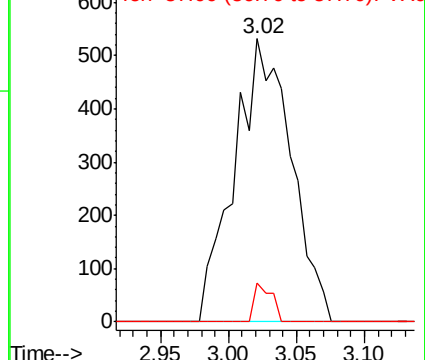
59 100

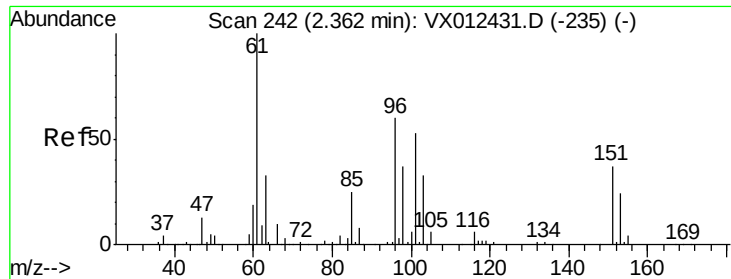
57 4.2 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

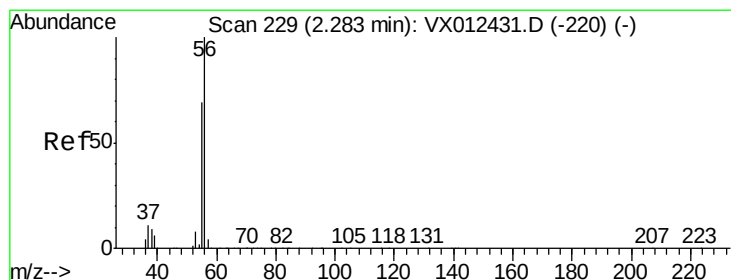
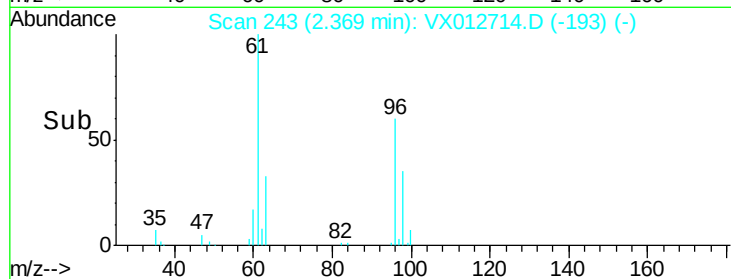
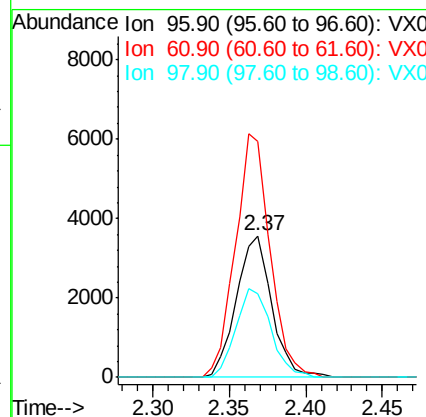
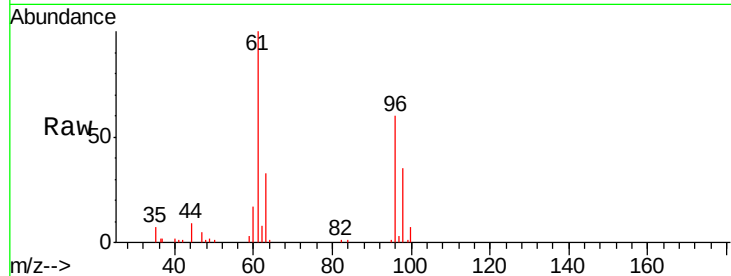




#12
 1,1-Dichloroethene
 Concen: 3.188 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

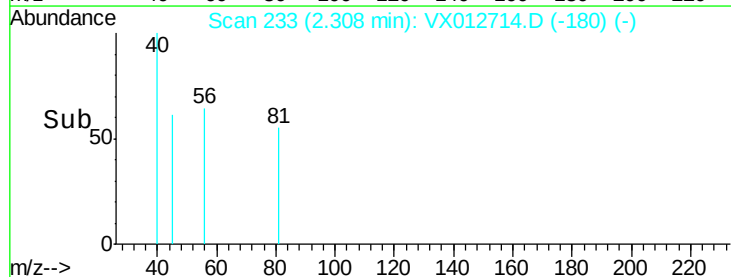
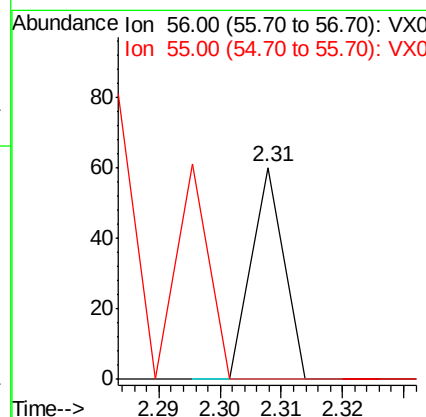
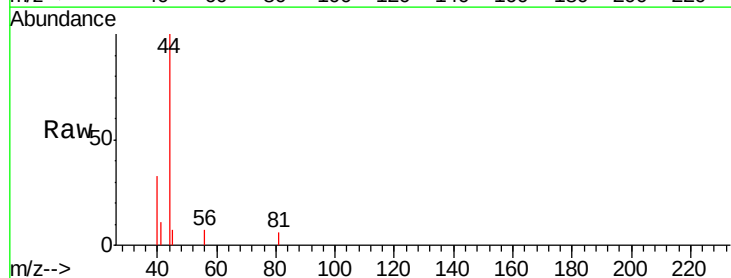
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ124-20190926

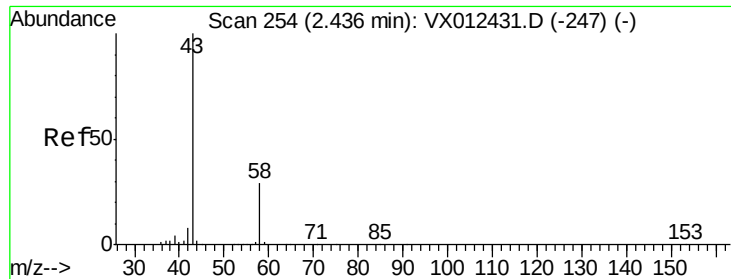
Tgt Ion: 96 Resp: 5711
 Ion Ratio Lower Upper
 96 100
 61 166.8 133.8 200.6
 98 59.1 49.9 74.9



#13
 Acrolein
 Concen: 10.295 ug/l
 RT: 2.31 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 6.505 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

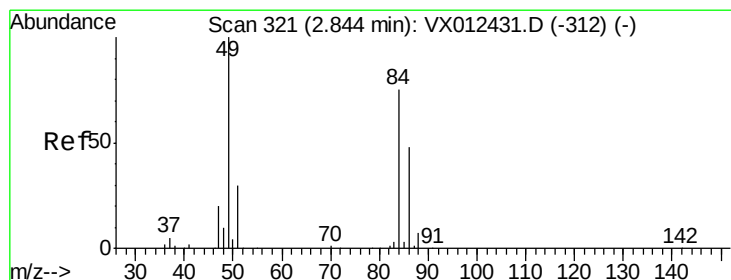
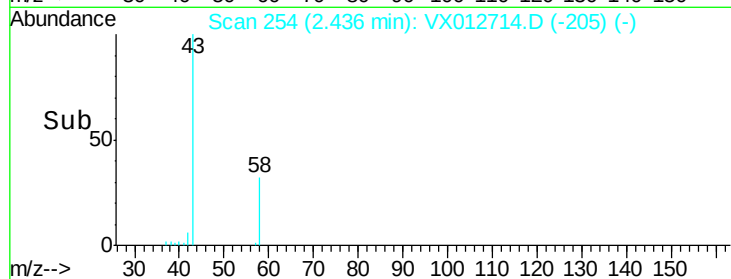
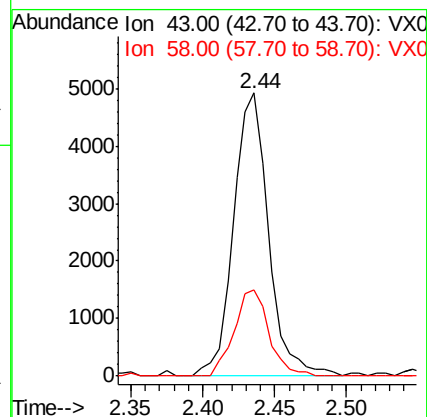
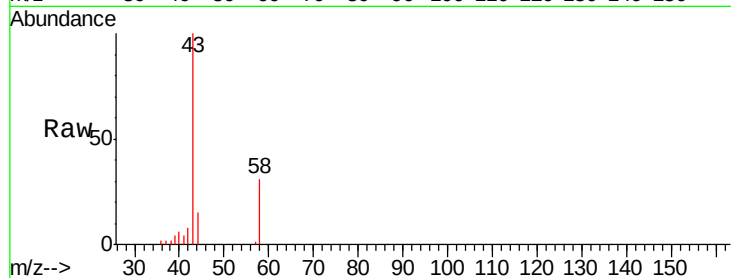
SA-PZ124-20190926

Tgt Ion: 43 Resp: 8361

Ion Ratio Lower Upper

43 100

58 30.6 23.3 34.9



#20

Methylene Chloride

Concen: 0.213 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Tgt Ion: 84 Resp: 464

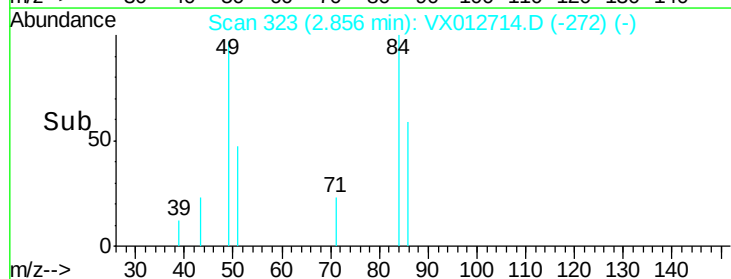
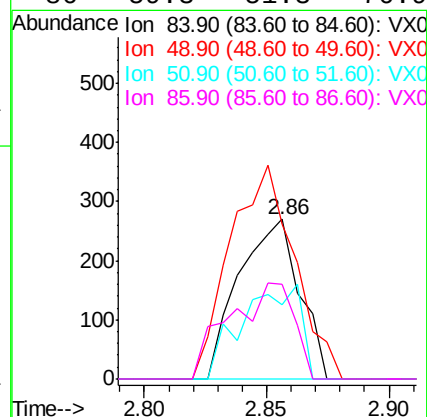
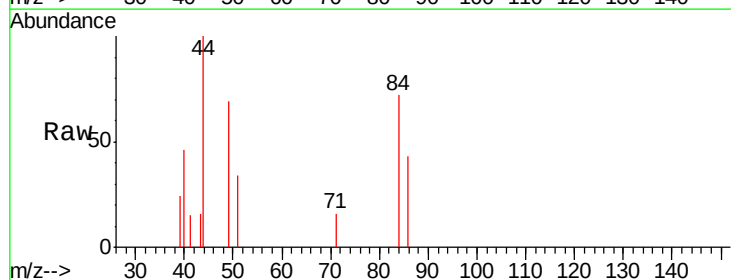
Ion Ratio Lower Upper

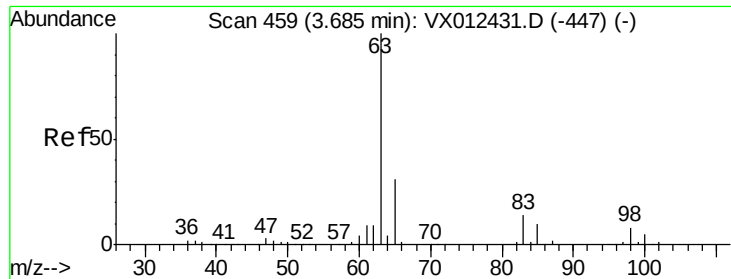
84 100

49 96.7 106.8 160.2#

51 46.7 32.3 48.5

86 59.3 51.3 76.9





#24

1,1-Dichloroethane

Concen: 23.017 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ124-20190926

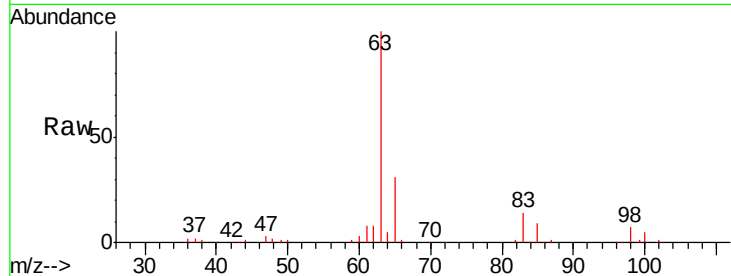
Tgt Ion: 63 Resp: 85931

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

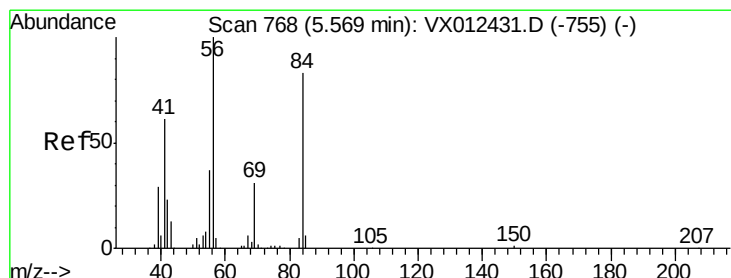
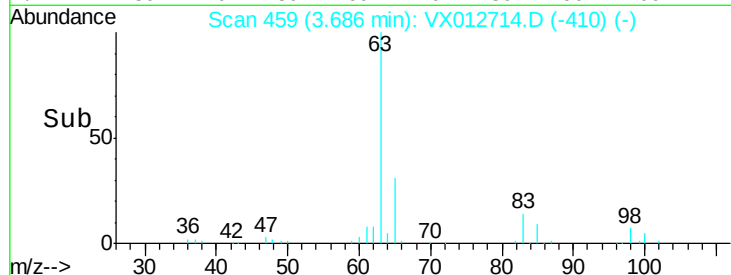
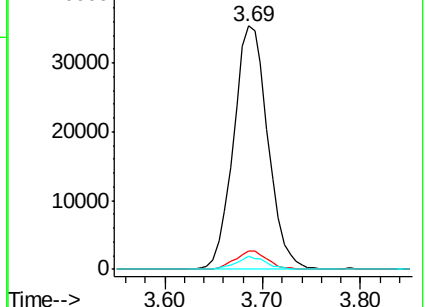
100 5.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

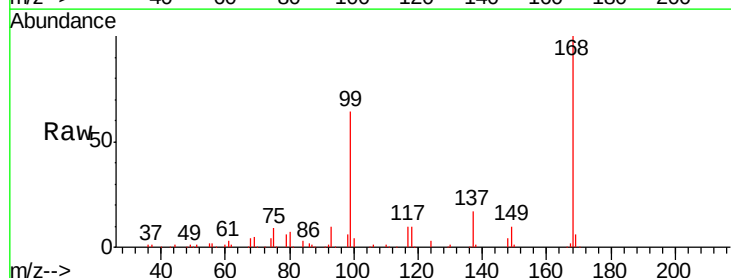
Tgt Ion: 56 Resp: 4210

Ion Ratio Lower Upper

56 100

69 192.6 25.0 37.6#

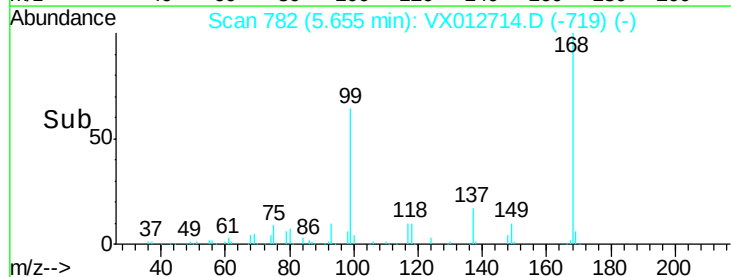
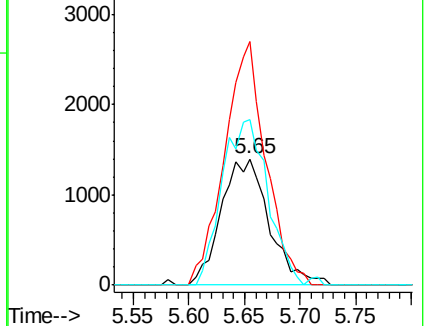
84 130.5 66.4 99.6#

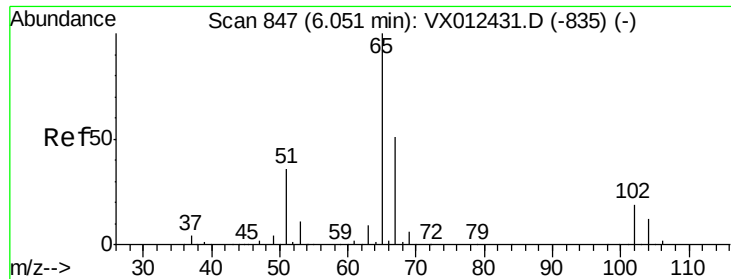


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

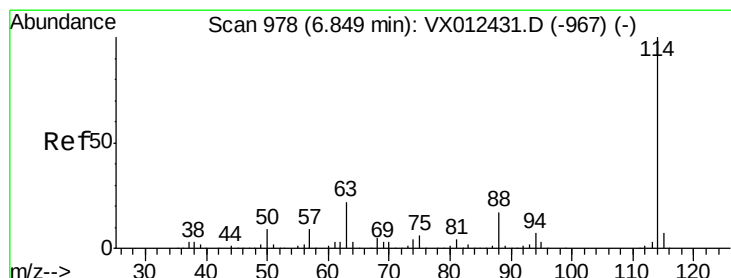
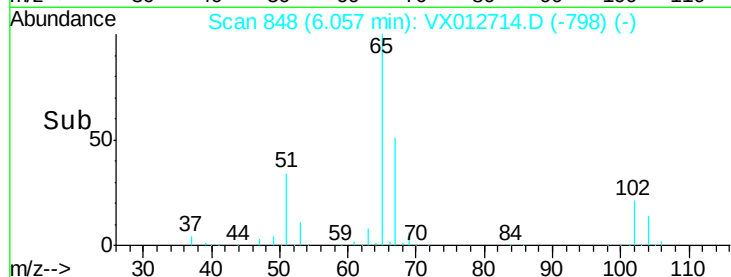
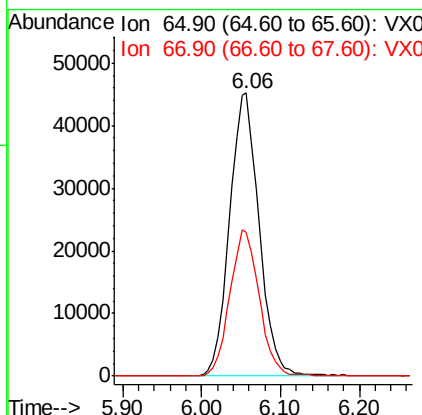
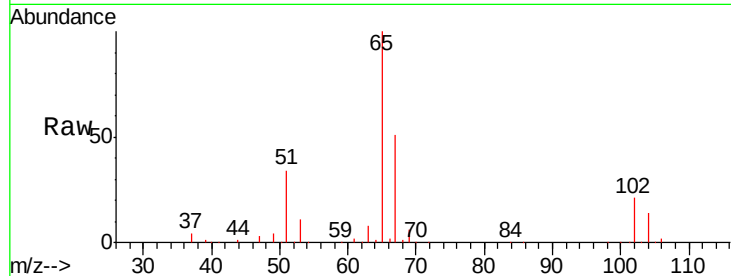




#33
 1,2-Dichloroethane-d4
 Concen: 48.500 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

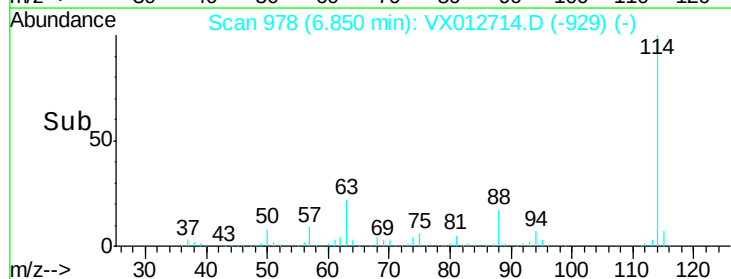
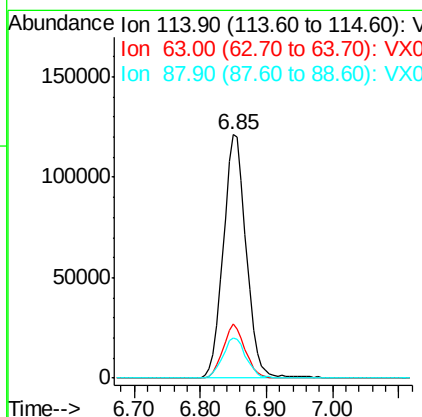
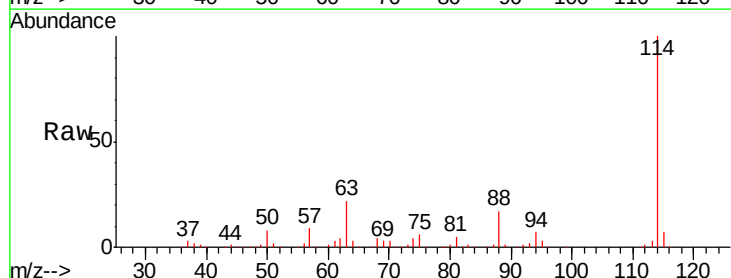
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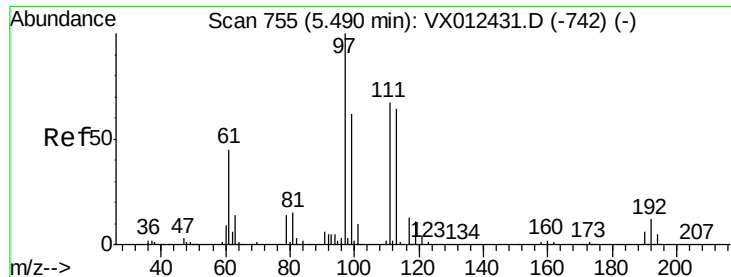
Tgt Ion: 65 Resp: 117684
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

Tgt Ion: 114 Resp: 291500
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 16.7 0.0 33.2

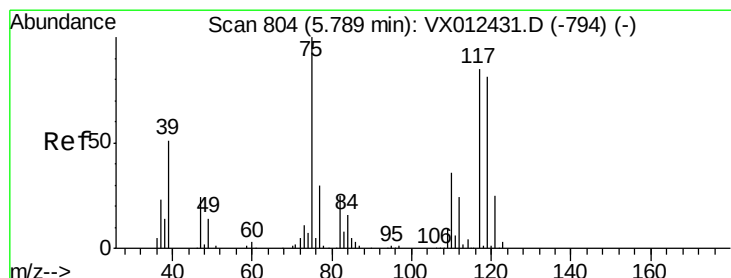
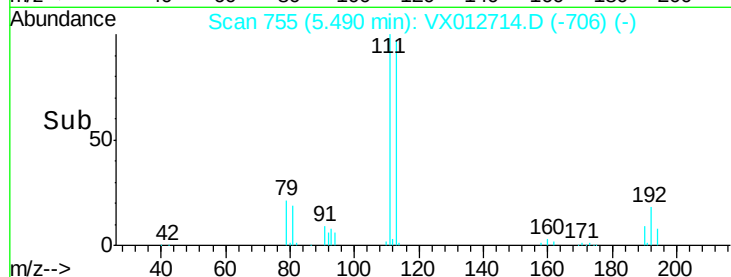
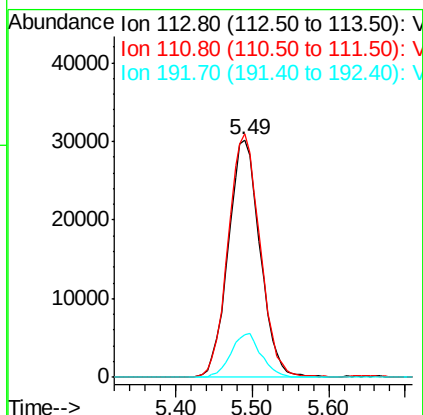
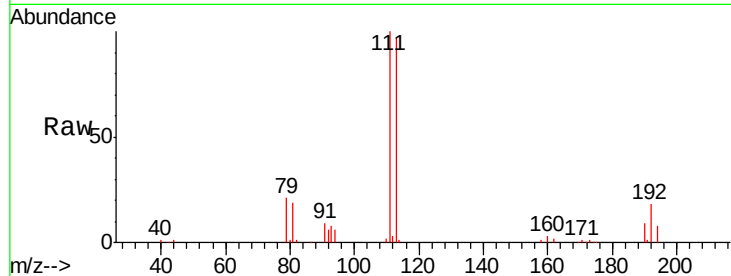




#35
 Dibromofluoromethane
 Concen: 49.977 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

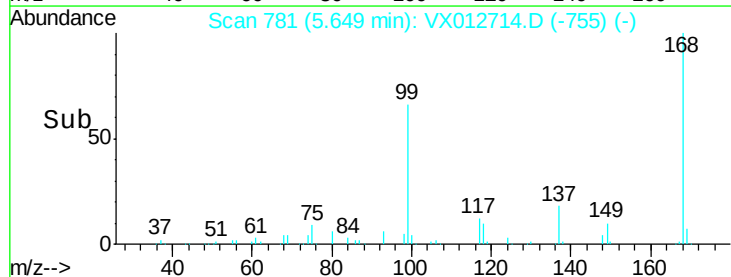
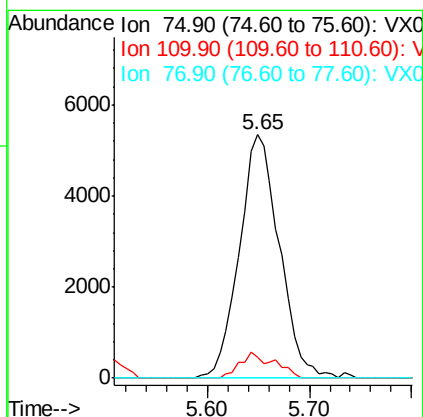
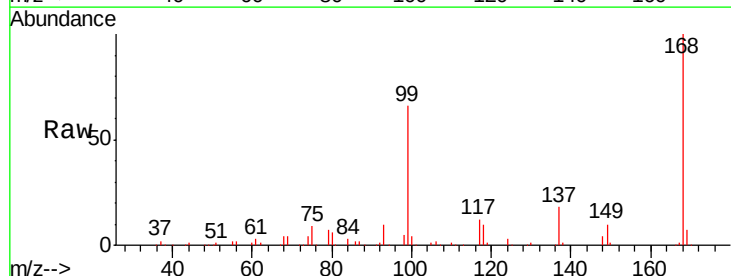
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ124-20190926

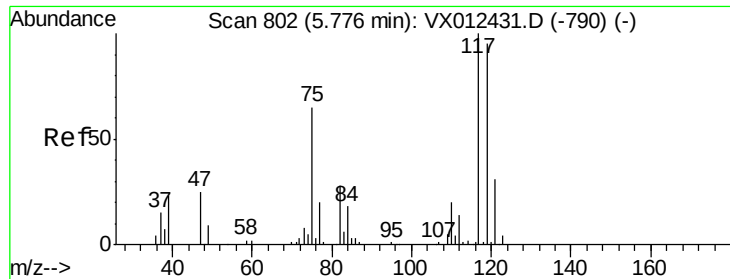
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	17.7	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.7	50.0#
77	0.0	24.2	36.2#

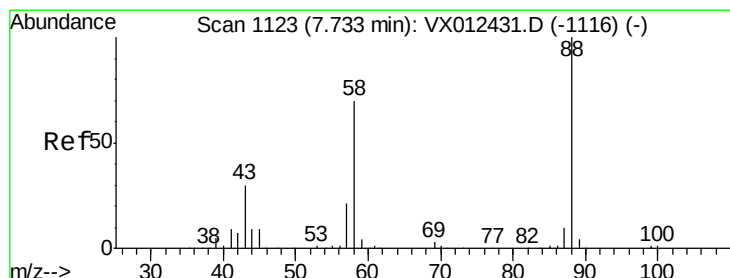
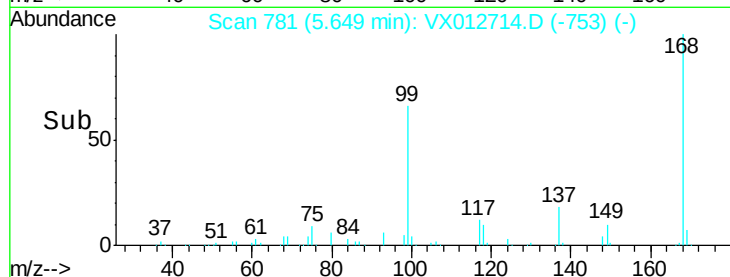
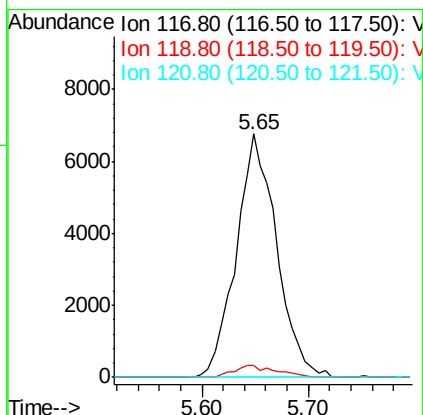
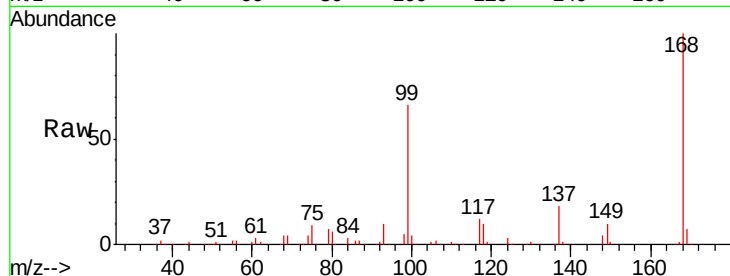




#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012714.D
Acq: 30 Sep 2019 18:39

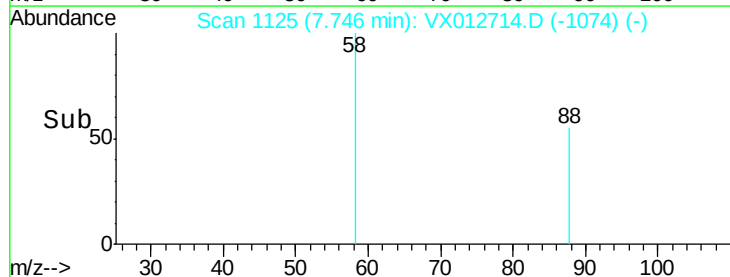
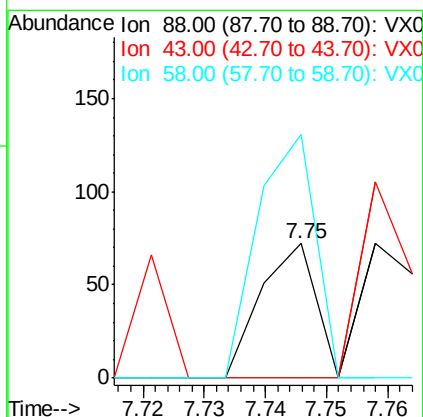
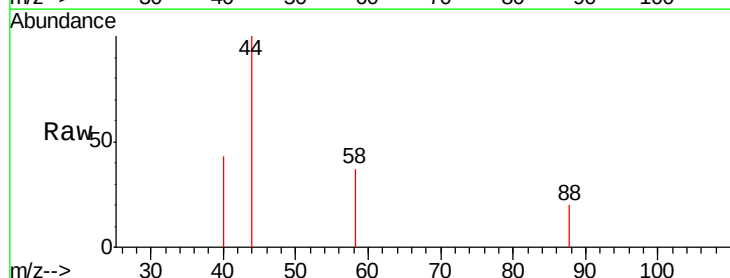
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ124-20190926

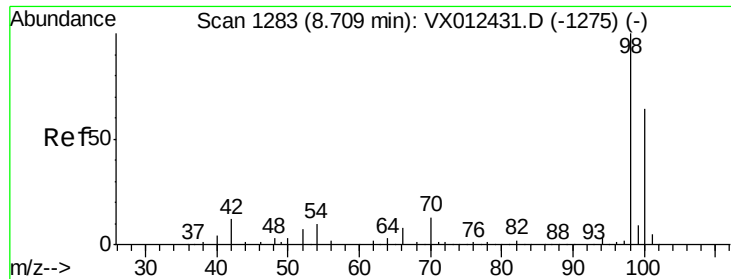
Tgt Ion: 117 Resp: 17947
Ion Ratio Lower Upper
117 100
119 5.0 75.7 113.5#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 0.753 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX012714.D
Acq: 30 Sep 2019 18:39

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 191.1 57.5 86.3#

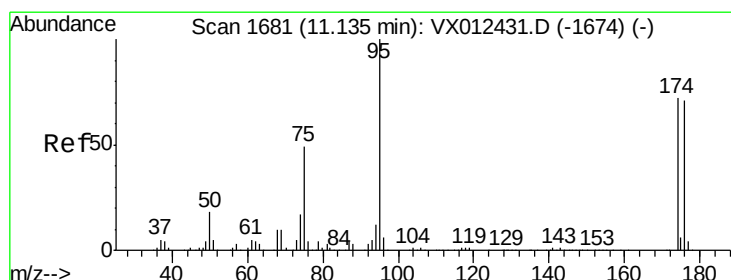
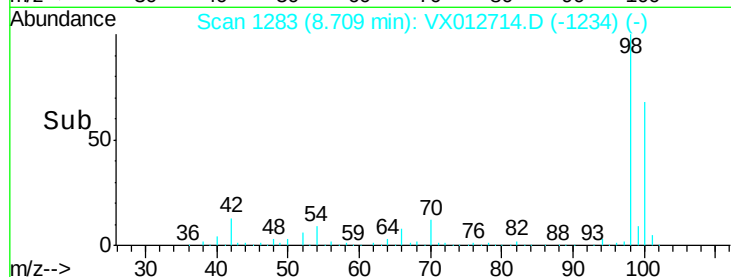
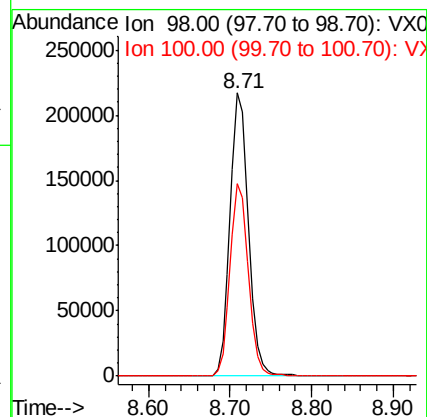
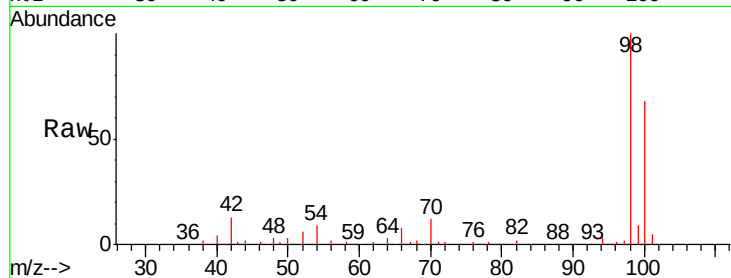




#50
Toluene-d8
Concen: 50.628 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012714.D
Acq: 30 Sep 2019 18:39

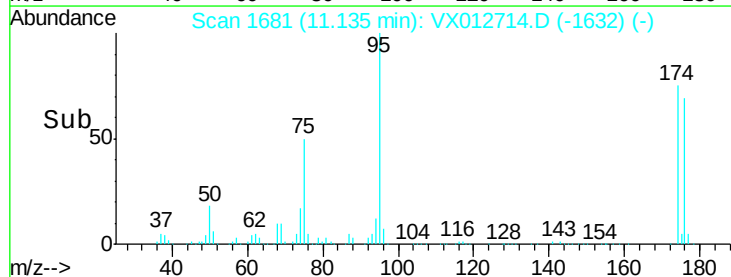
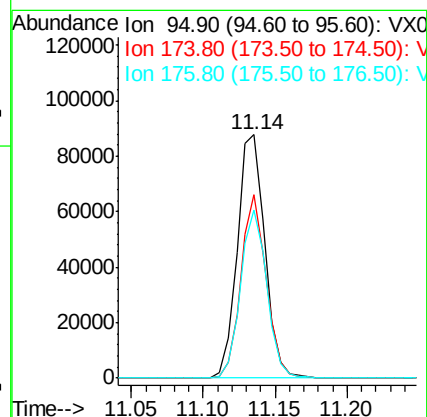
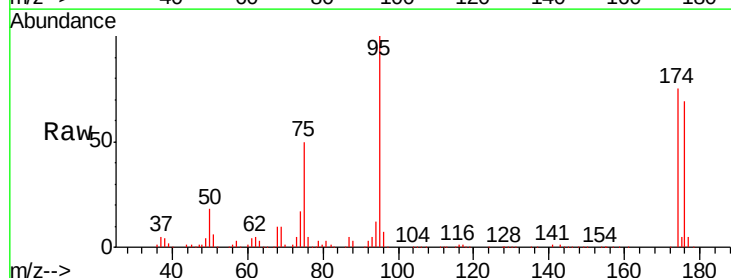
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ124-20190926

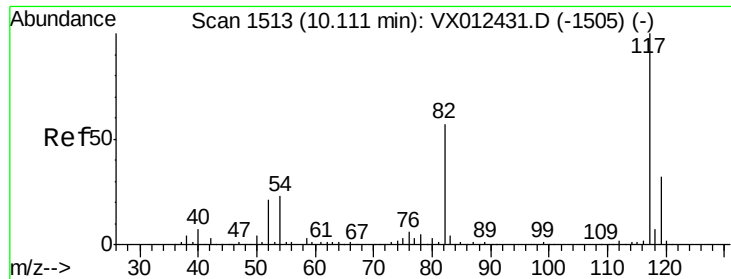
Tgt Ion: 98 Resp: 338471
Ion Ratio Lower Upper
98 100
100 67.9 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.737 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012714.D
Acq: 30 Sep 2019 18:39

Tgt Ion: 95 Resp: 117603
Ion Ratio Lower Upper
95 100
174 69.1 0.0 140.0
176 65.5 0.0 135.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ124-20190926

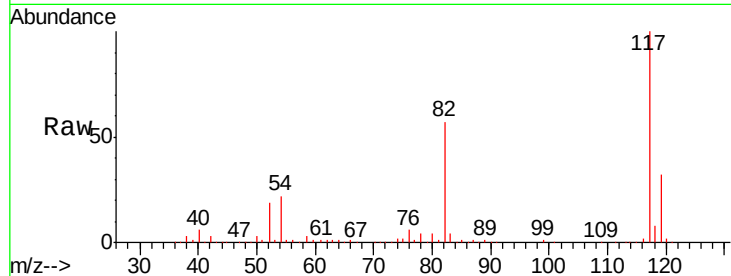
Tgt Ion:117 Resp: 245290

Ion Ratio Lower Upper

117 100

82 56.6 45.9 68.9

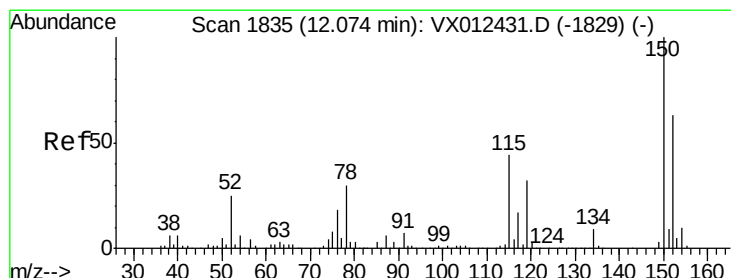
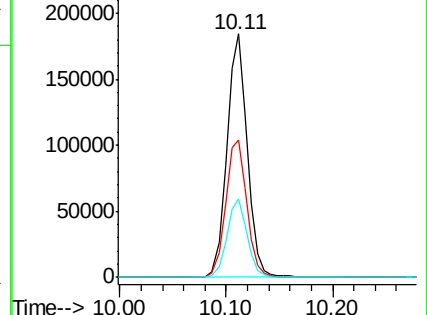
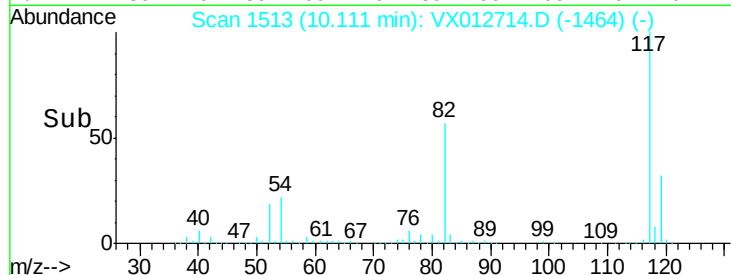
119 32.3 25.3 37.9



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: VX012714.D

Acq: 30 Sep 2019 18:39

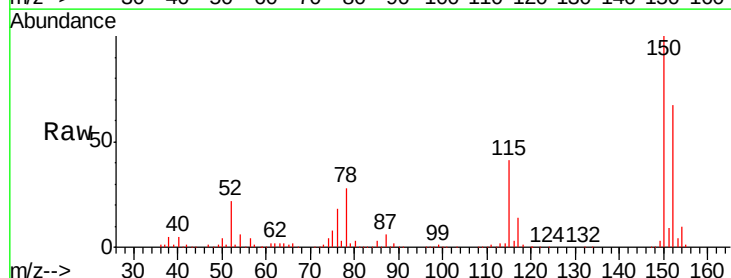
Tgt Ion:152 Resp: 96409

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

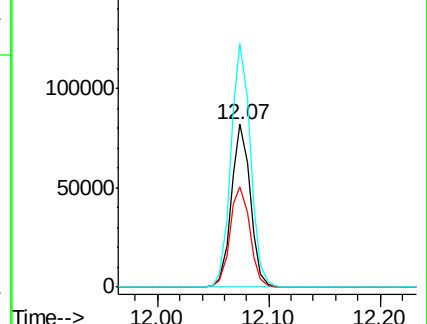
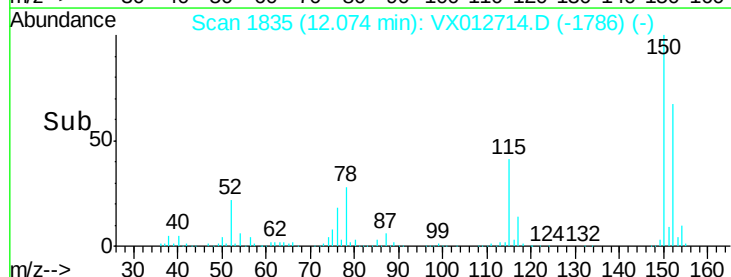
150 154.3 0.0 343.8

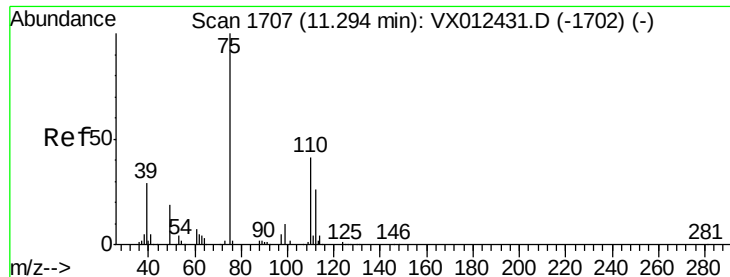


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.195 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

Instrument :

MSVOA_X

ClientSampleId :

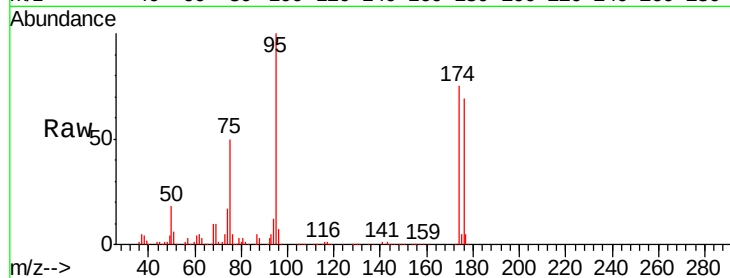
SA-PZ124-20190926

Tgt Ion: 75 Resp: 59154

Ion Ratio Lower Upper

75 100

77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

40000

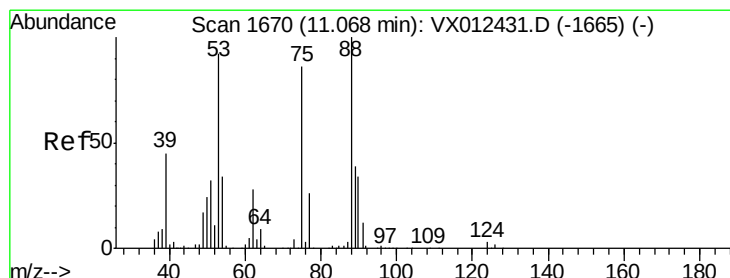
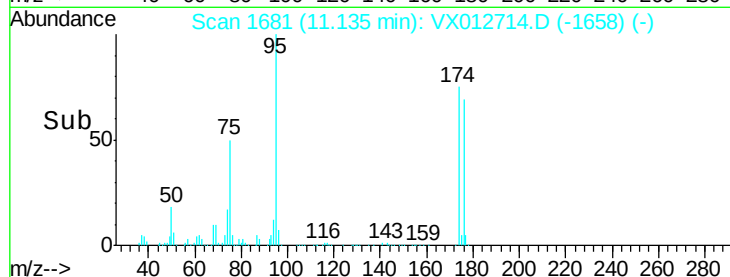
30000

20000

10000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.473 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012714.D

Acq: 30 Sep 2019 18:39

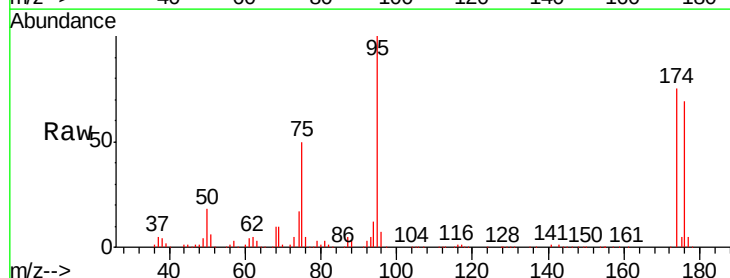
Tgt Ion: 75 Resp: 59154

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

60000

50000

40000

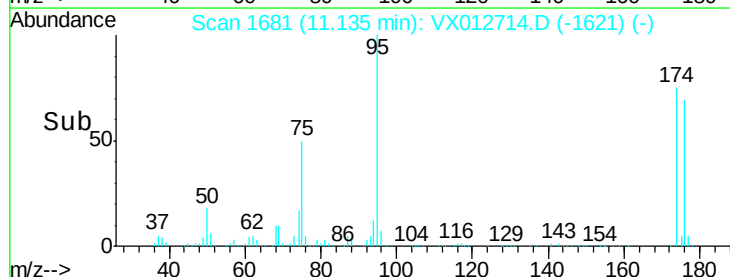
30000

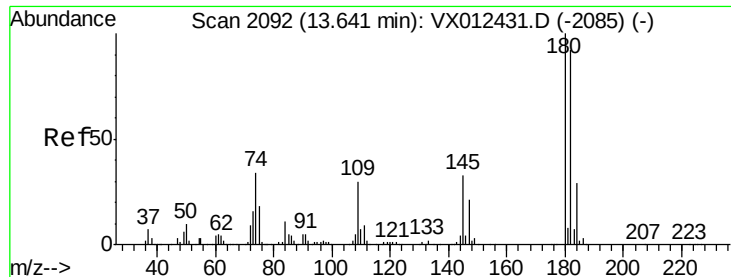
20000

10000

0

Time--> 11.05 11.10 11.15 11.20





#93
 1,2,4-Trichlorobenzene
 Concen: 0.317 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012714.D
 Acq: 30 Sep 2019 18:39

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ124-20190926

Tgt Ion:180 Resp: 619
 Ion Ratio Lower Upper
 180 100
 182 86.8 47.0 141.0
 145 34.4 16.8 50.4

