

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013704.D
 Acq On : 29 Nov 2019 16:23
 Operator : JC/SP
 Sample : K5965-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0192

Quant Time: Nov 29 22:29:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	686209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1053736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	939269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	433084	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	379809	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.49	113	316105	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	1252428	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.13	95	423635	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	

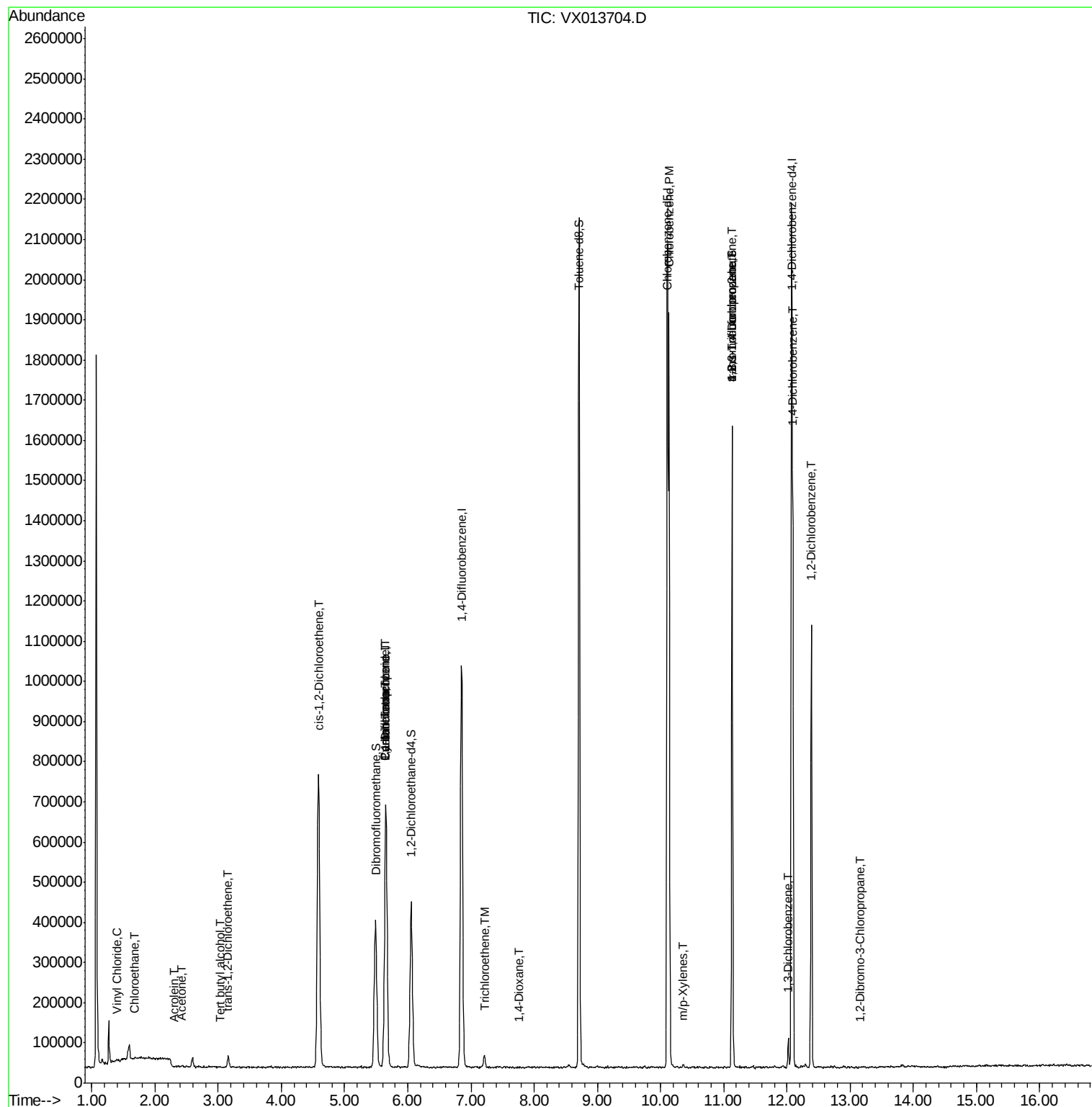
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2779	0.288	ug/l #	66
6) Chloroethane	1.68	64	1413	0.257	ug/l #	52
11) Tert butyl alcohol	3.03	59	1983	1.009	ug/l #	90
13) Acrolein	2.30	56	1028	6.767	ug/l #	15
16) Acetone	2.43	43	5287	1.344	ug/l #	87
21) trans-1,2-Dichloroethene	3.16	96	11809	1.660	ug/l	89
27) cis-1,2-Dichloroethene	4.58	96	475978	58.260	ug/l	89
31) Cyclohexane	5.65	56	12433	1.057	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	45581	4.765	ug/l #	50
38) Carbon Tetrachloride	5.65	117	58482	6.631	ug/l #	16
44) Trichloroethene	7.21	130	12819	1.603	ug/l	91
49) 1,4-Dioxane	7.76	88	189	0.984	ug/l #	24
65) Chlorobenzene	10.14	112	825750	42.344	ug/l	99
68) m/p-Xylenes	10.36	106	2769	0.216	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	209512	21.509	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	209512	58.844	ug/l #	11
87) 1,3-Dichlorobenzene	12.02	146	27157	1.898	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	391328	26.855	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	361725	25.591	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.15	75	496	0.216	ug/l	59

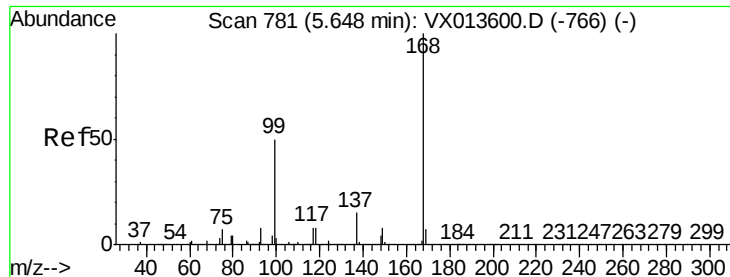
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 29 22:29:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

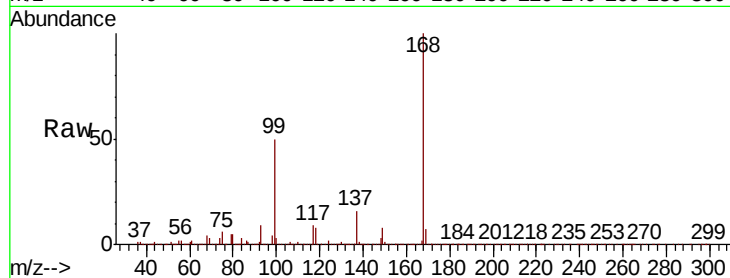
S39-0192

Tot Ion:168 Resp: 686209

Ion Ratio Lower Upper

168 100

99 49.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

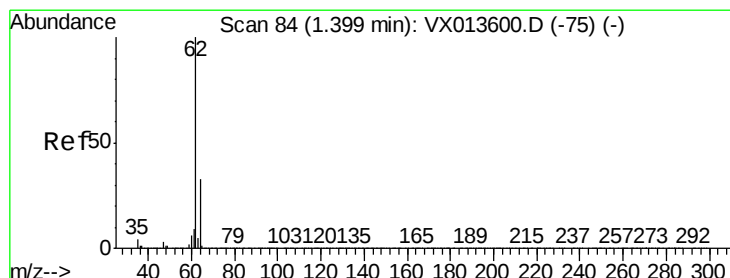
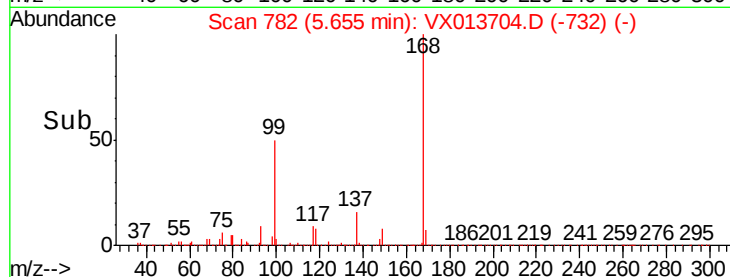
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.288 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013704.D

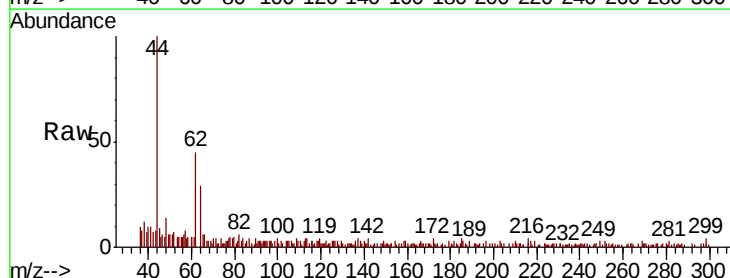
Acq: 29 Nov 2019 16:23

Tgt Ion: 62 Resp: 2779

Ion Ratio Lower Upper

62 100

64 13.6 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

3000

2500

2000

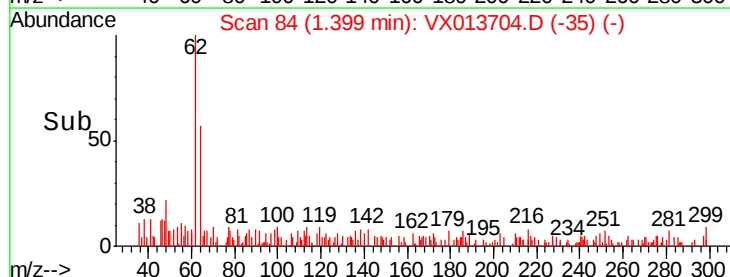
1500

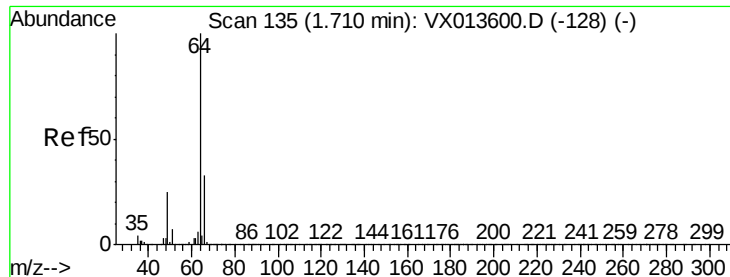
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.257 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

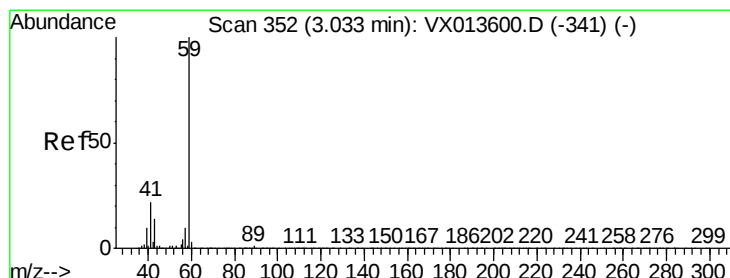
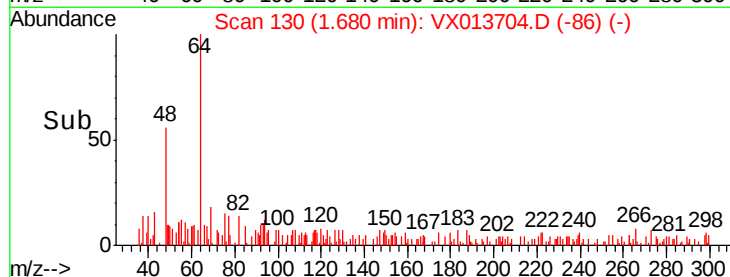
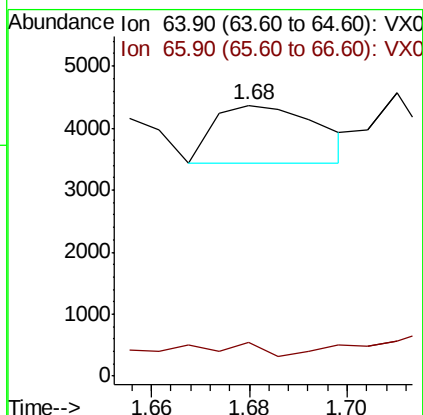
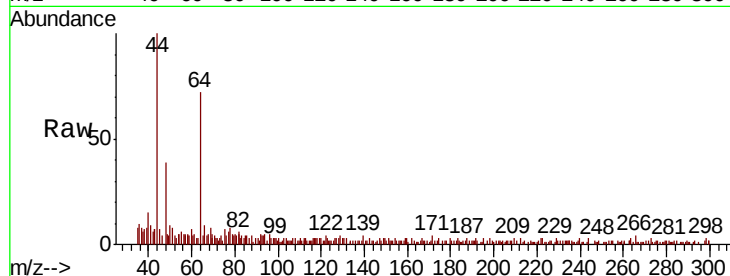
S39-0192

Tot Ion: 64 Resp: 1413

Ion Ratio Lower Upper

64 100

66 5.9 26.7 40.1#



#11

Tert butyl alcohol

Concen: 1.009 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013704.D

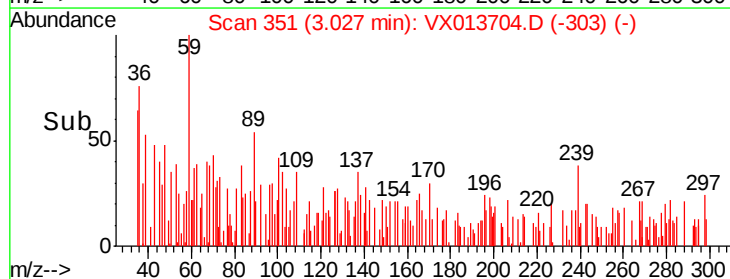
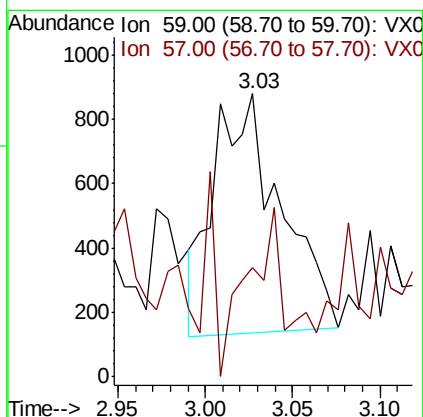
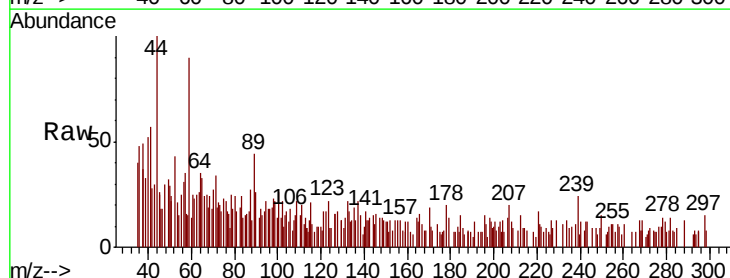
Acq: 29 Nov 2019 16:23

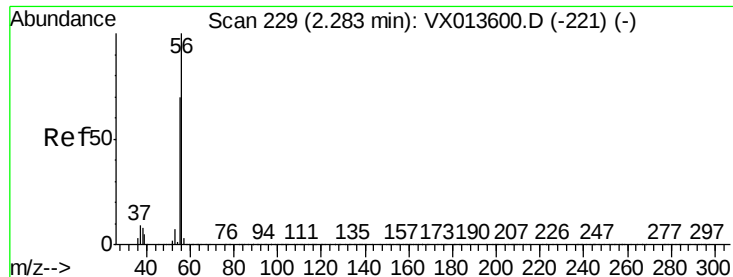
Tgt Ion: 59 Resp: 1983

Ion Ratio Lower Upper

59 100

57 13.4 7.8 11.6#





#13

Acrolein

Concen: 6.767 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

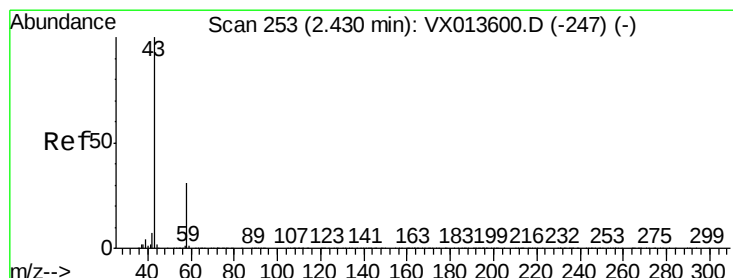
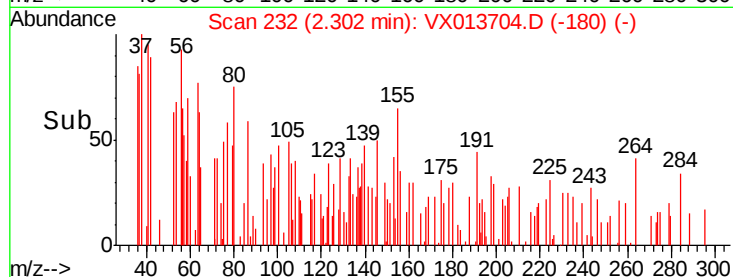
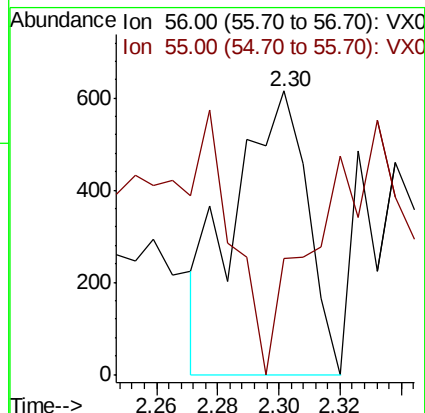
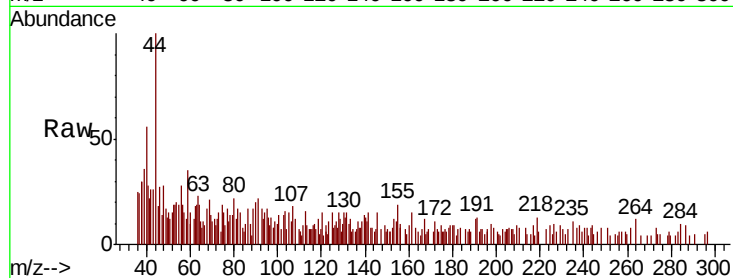
S39-0192

Tot Ion: 56 Resp: 1028

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 1.344 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013704.D

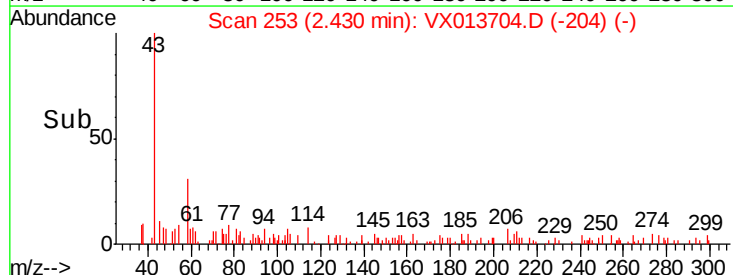
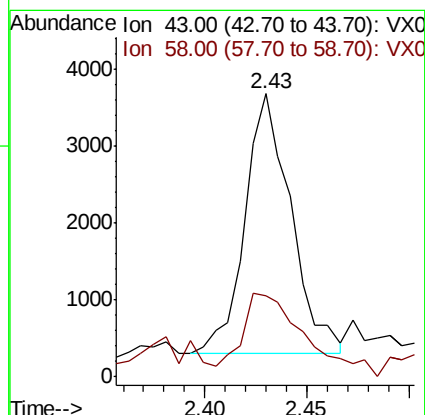
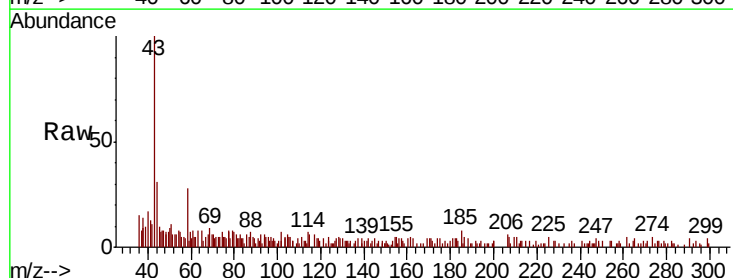
Acq: 29 Nov 2019 16:23

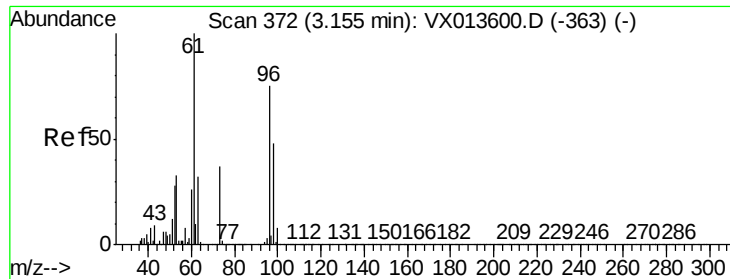
Tgt Ion: 43 Resp: 5287

Ion Ratio Lower Upper

43 100

58 23.8 24.6 36.8#





#21

trans-1,2-Dichloroethene

Concen: 1.660 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

S39-0192

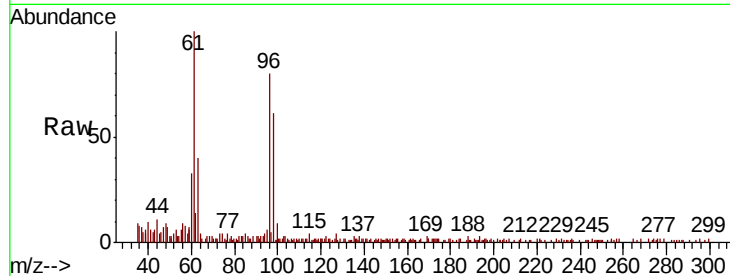
Tot Ion: 96 Resp: 11809

Ion Ratio Lower Upper

96 100

61 122.3 107.2 160.8

98 75.6 51.4 77.0

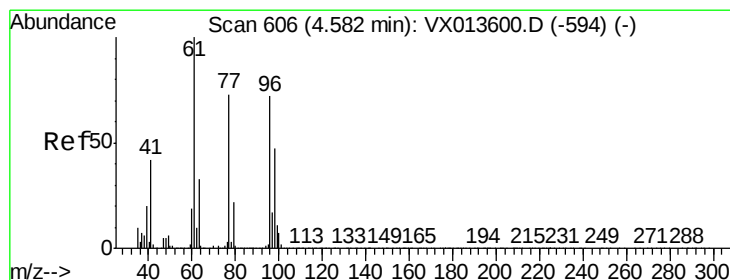
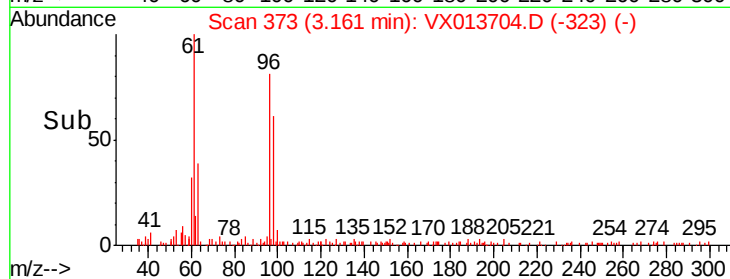
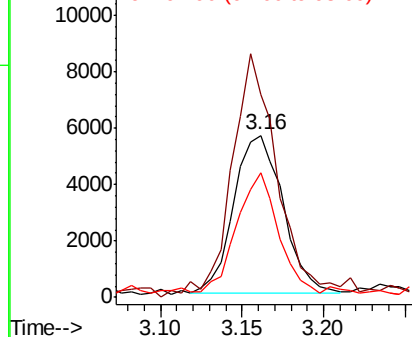


Abundance

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



#27

cis-1,2-Dichloroethene

Concen: 58.260 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

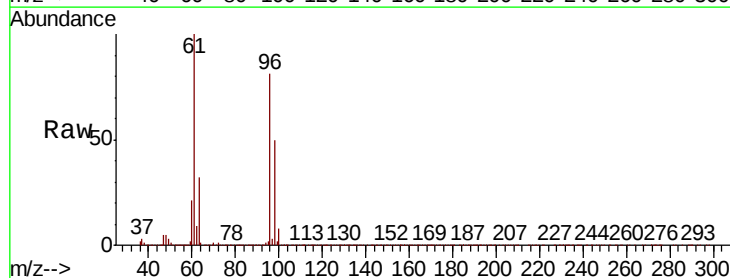
Tgt Ion: 96 Resp: 475978

Ion Ratio Lower Upper

96 100

61 124.2 0.0 286.4

98 63.7 0.0 127.4

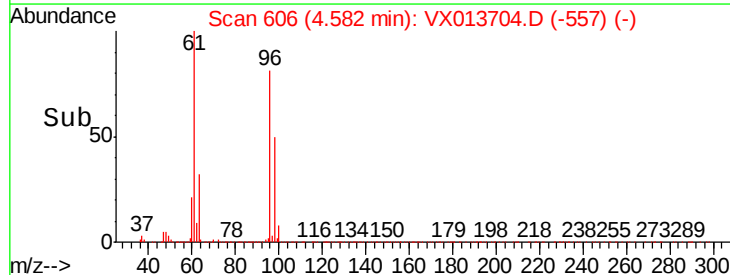
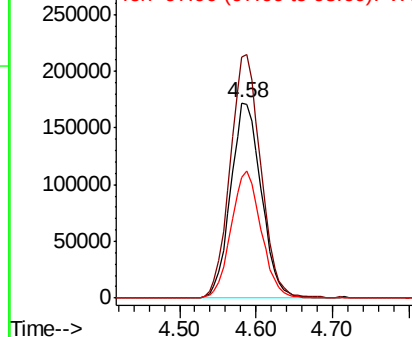


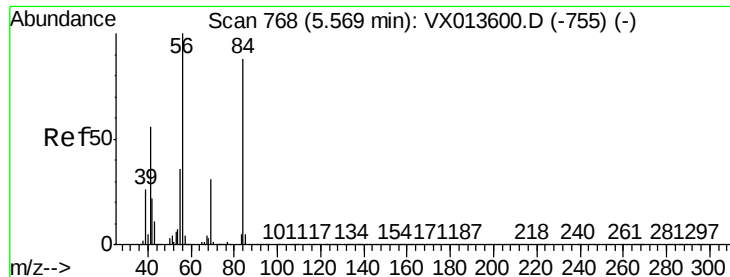
Abundance

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

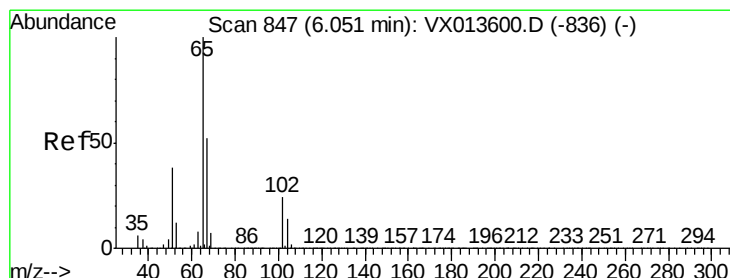
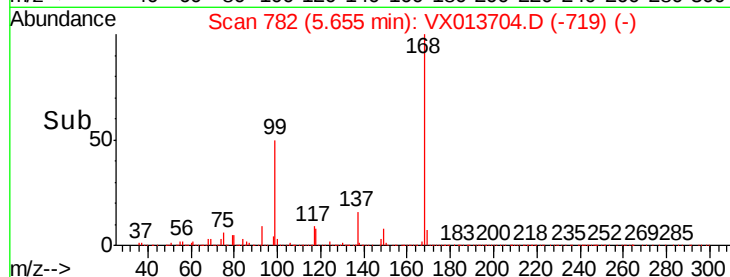
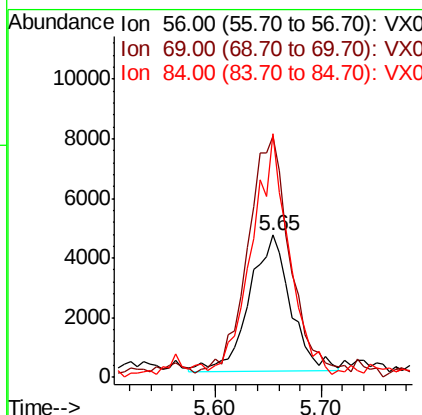
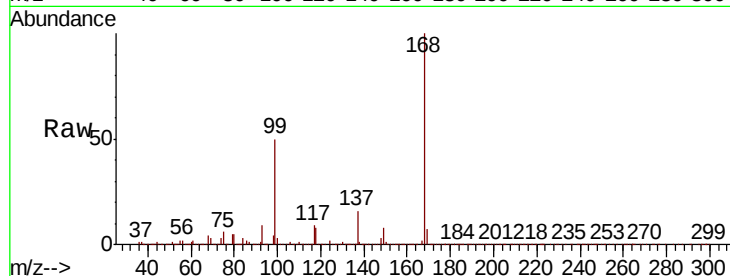




#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013704.D
Acq: 29 Nov 2019 16:23

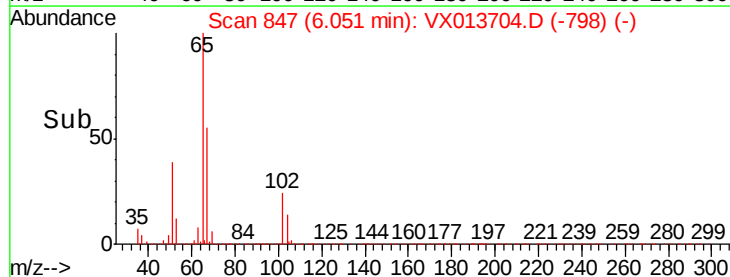
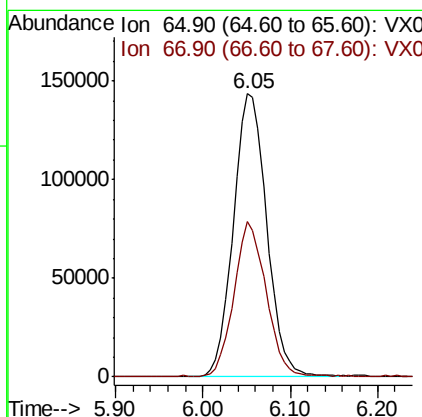
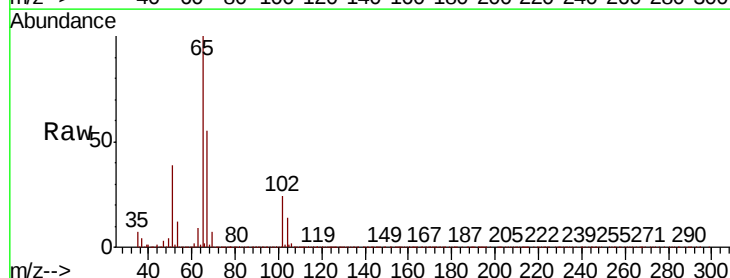
Instrument :
MSVOA_X
ClientSampled :
S39-0192

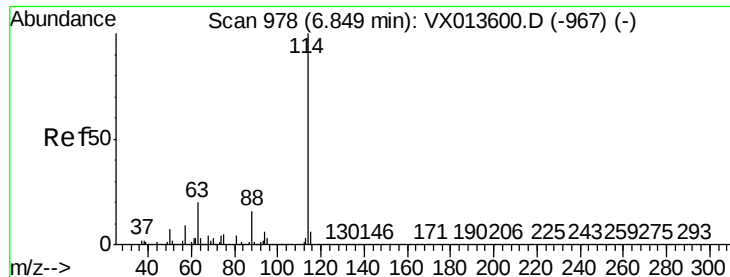
Tot Ion: 56 Resp: 12433
Ion Ratio Lower Upper
56 100
69 175.1 24.6 36.8#
84 178.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.683 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013704.D
Acq: 29 Nov 2019 16:23

Tgt Ion: 65 Resp: 379809
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampled :

S39-0192

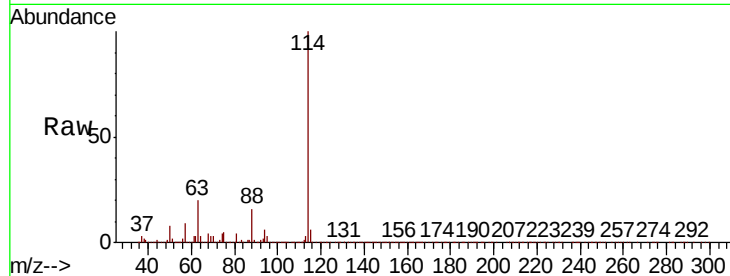
Tot Ion:114 Resp: 1053736

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

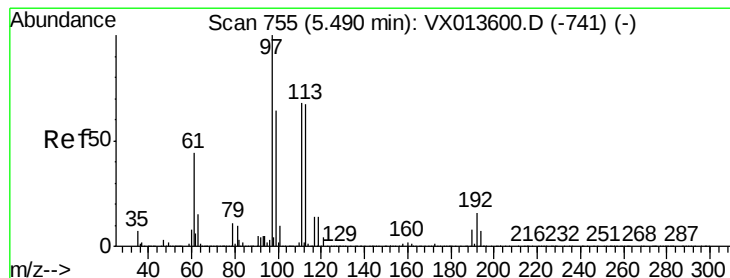
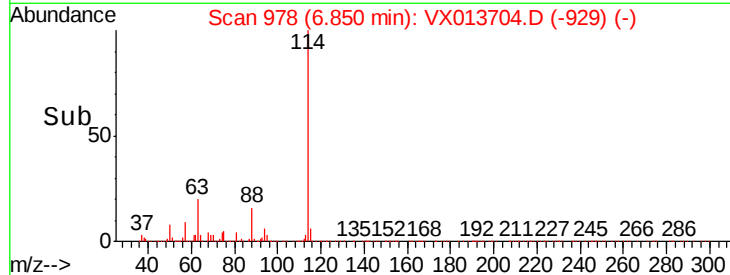
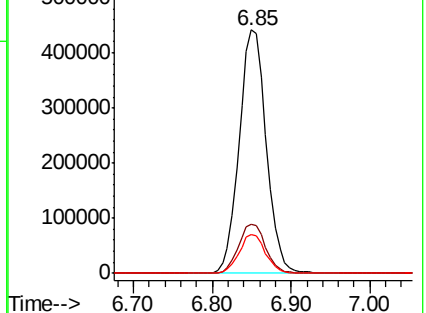
88 15.8 0.0 31.4



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: 48.525 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

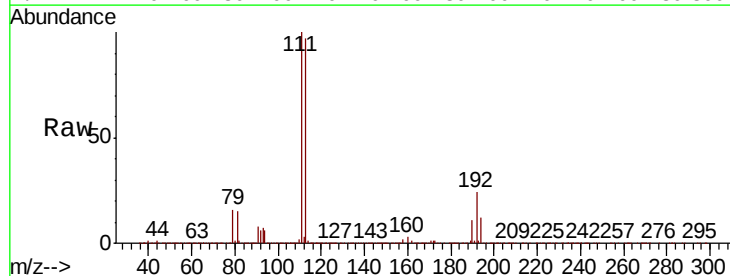
Tgt Ion:113 Resp: 316105

Ion Ratio Lower Upper

113 100

111 100.7 83.6 125.4

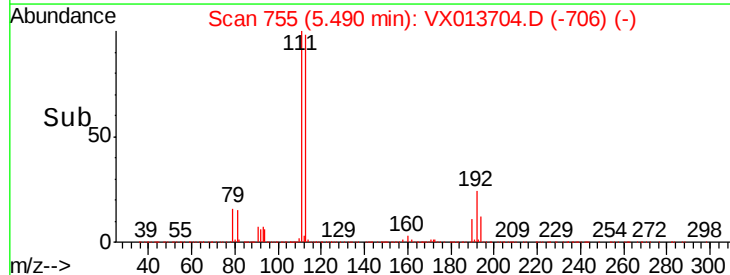
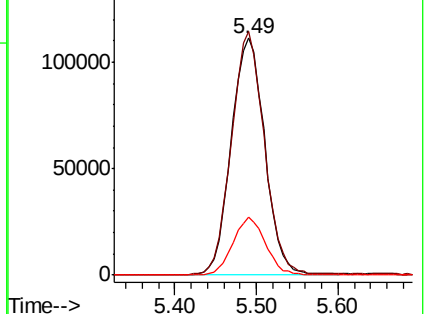
192 23.7 19.2 28.8

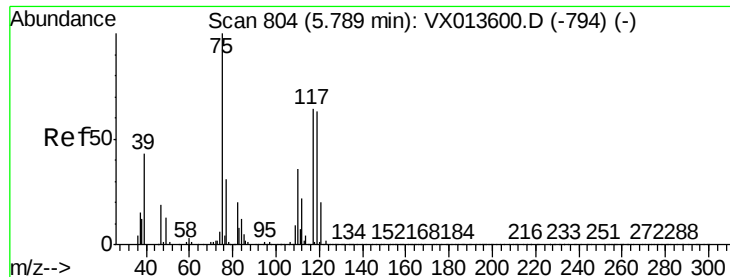


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

S39-0192

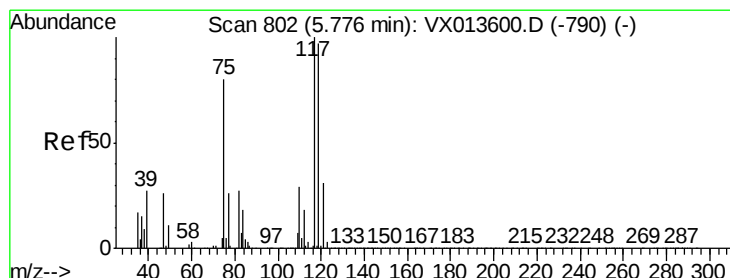
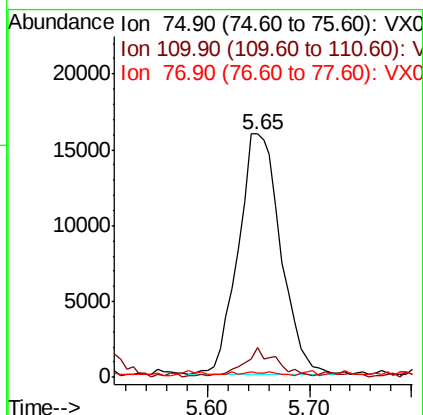
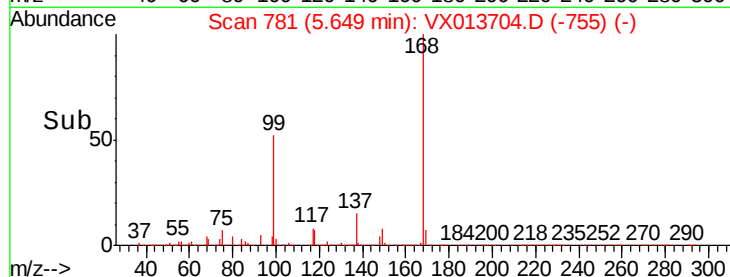
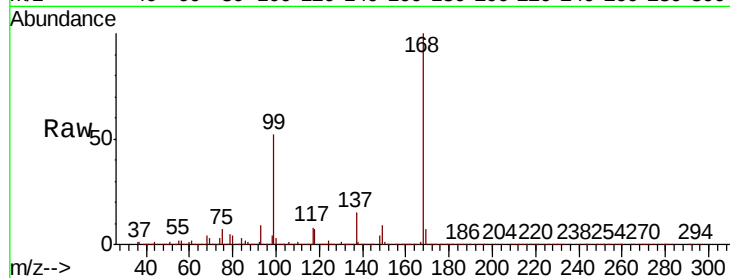
Tot Ion: 75 Resp: 45581

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

77 0.2 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.631 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

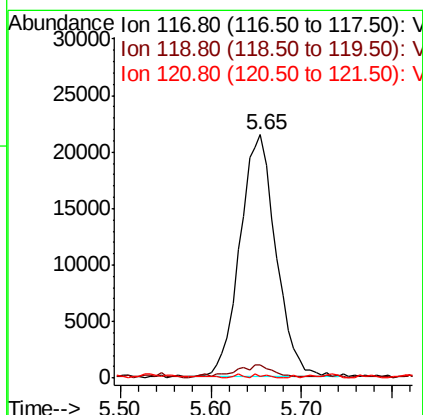
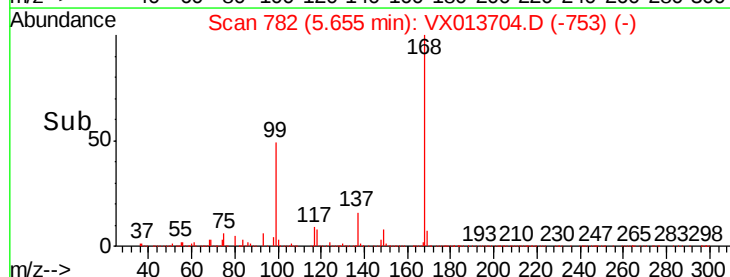
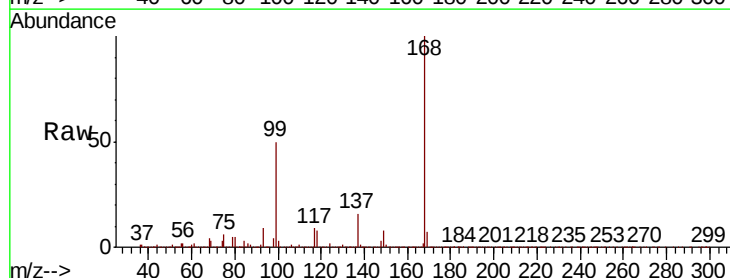
Tgt Ion: 117 Resp: 58482

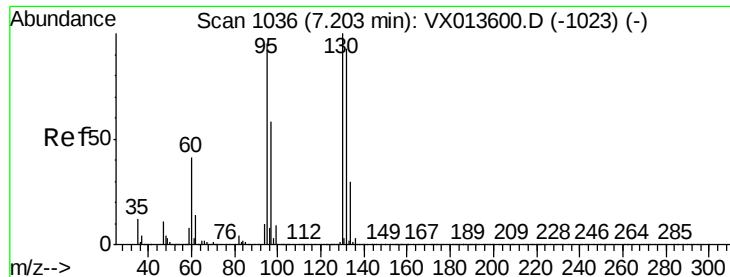
Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

121 0.0 25.0 37.6#





#44

Trichloroethene

Concen: 1.603 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

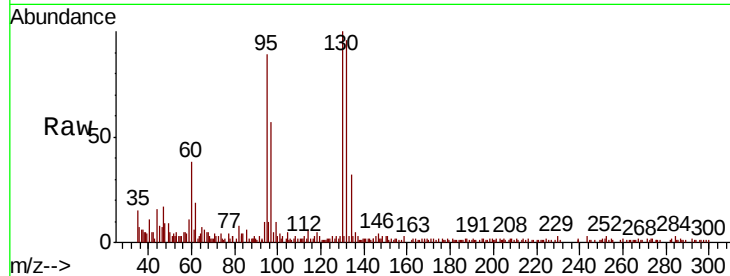
S39-0192

Tot Ion:130 Resp: 12819

Ion Ratio Lower Upper

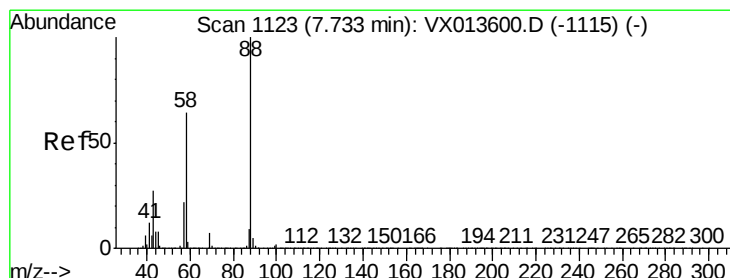
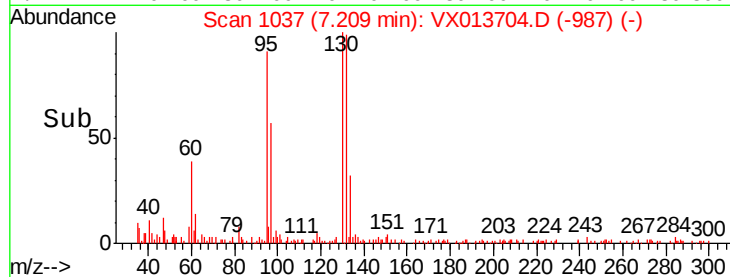
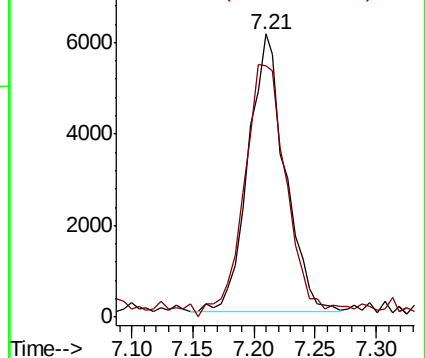
130 100

95 86.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.984 ug/l

RT: 7.76 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

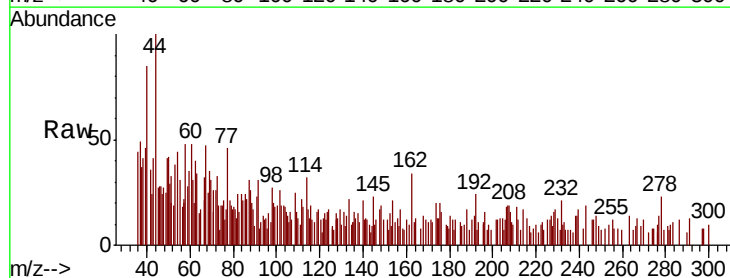
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

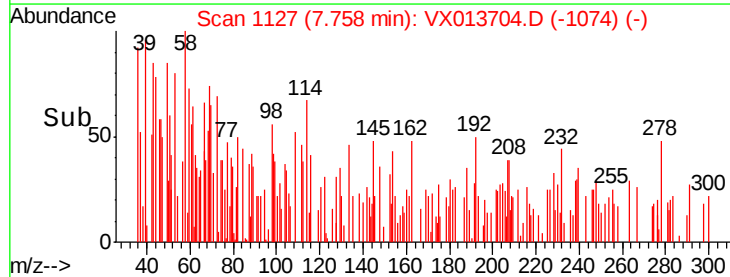
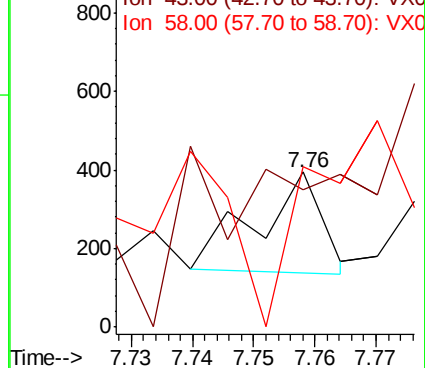
58 0.0 54.6 82.0#

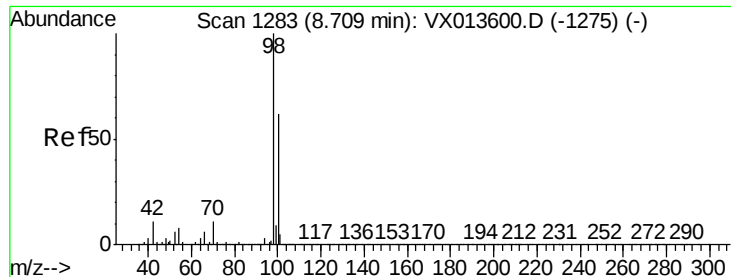


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.346 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

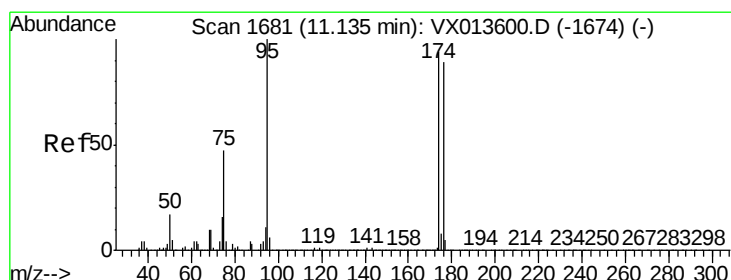
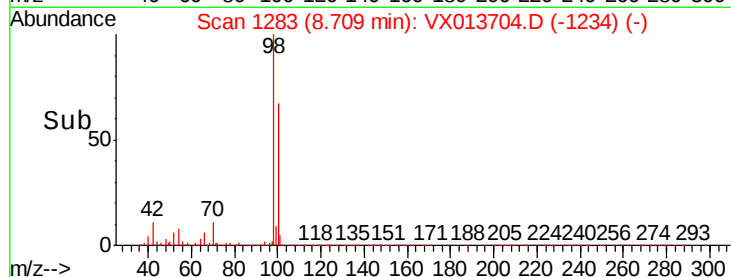
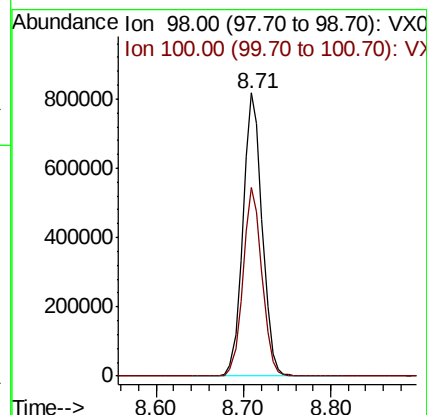
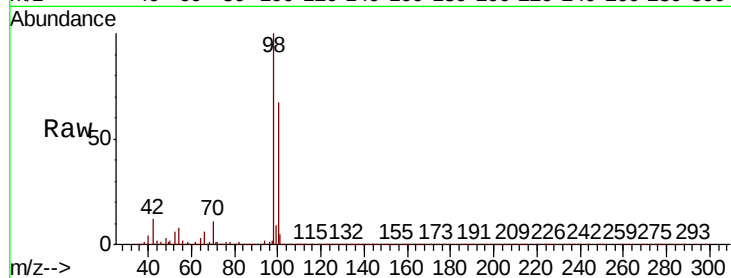
S39-0192

Tot Ion: 98 Resp: 1252428

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.287 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

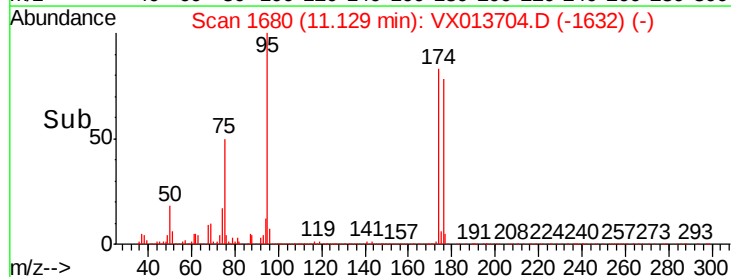
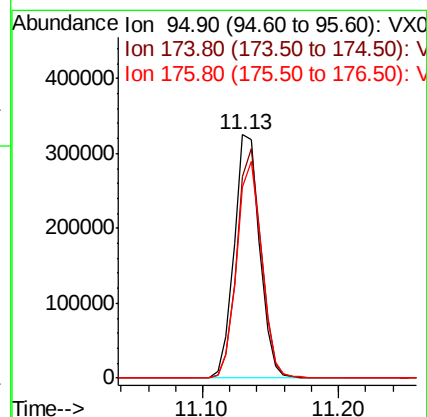
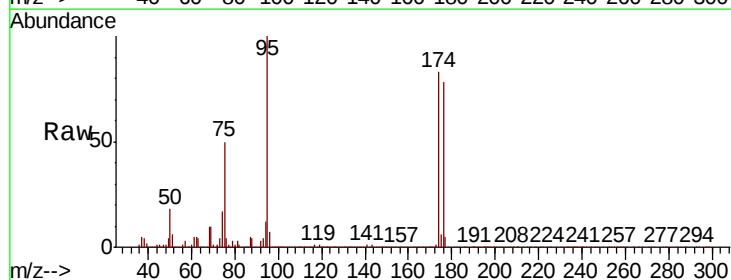
Tgt Ion: 95 Resp: 423635

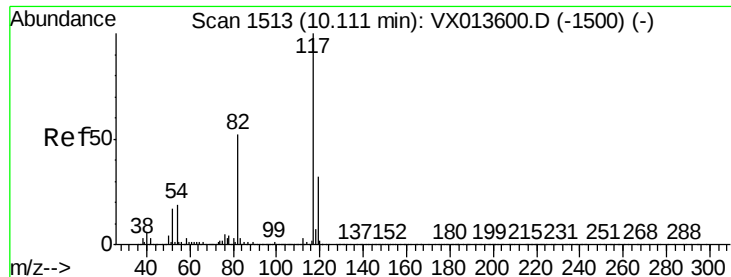
Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

176 87.5 0.0 173.6

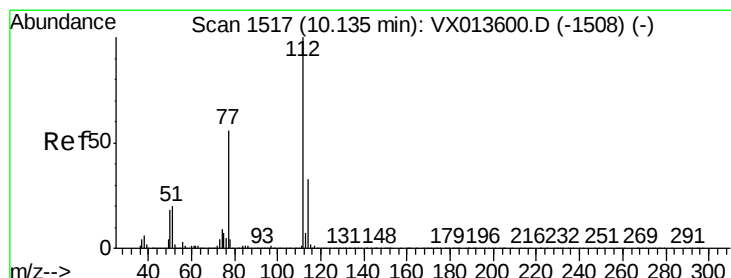
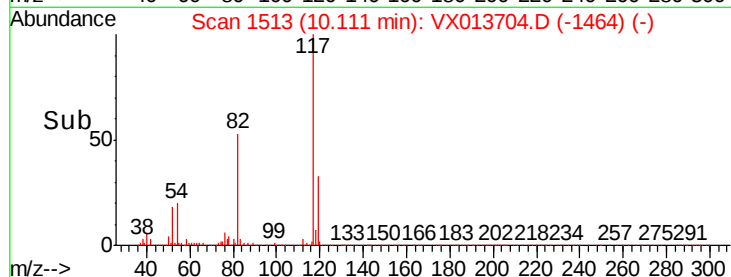
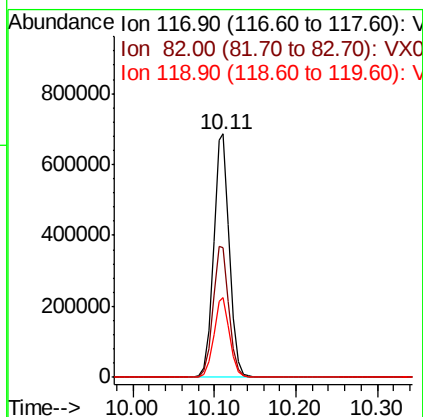
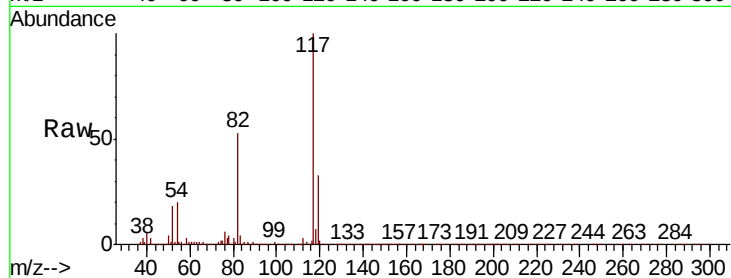




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013704.D
Acq: 29 Nov 2019 16:23

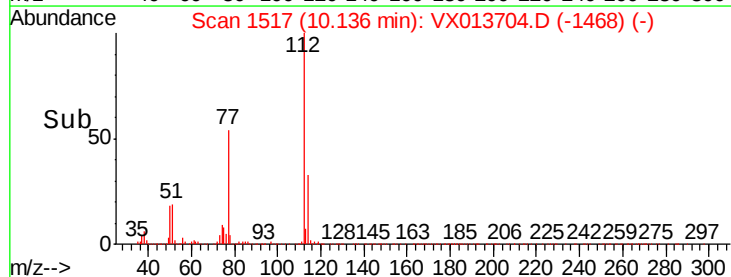
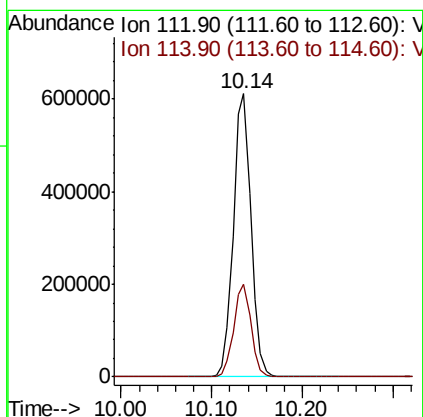
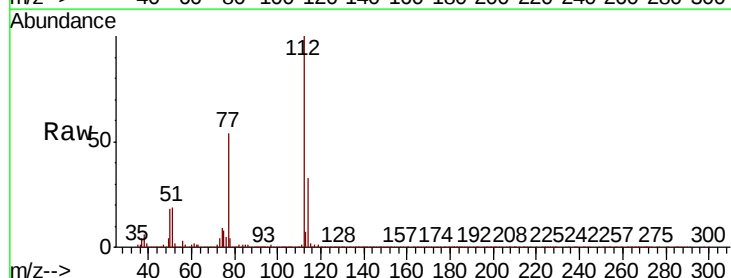
Instrument :
MSVOA_X
ClientSampleId :
S39-0192

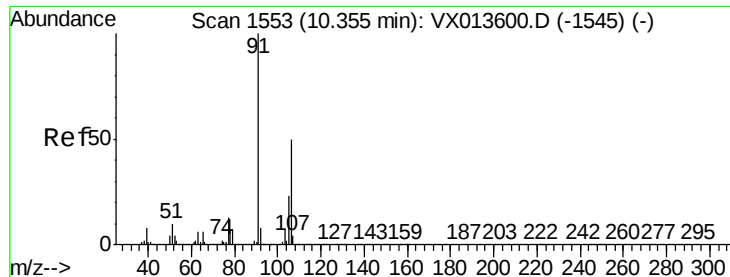
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.8
119	33.0	25.8	38.8



#65
Chlorobenzene
Concen: 42.344 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013704.D
Acq: 29 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	26.1	39.1





#68

m/p-Xvlenes

Concen: 0.216 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

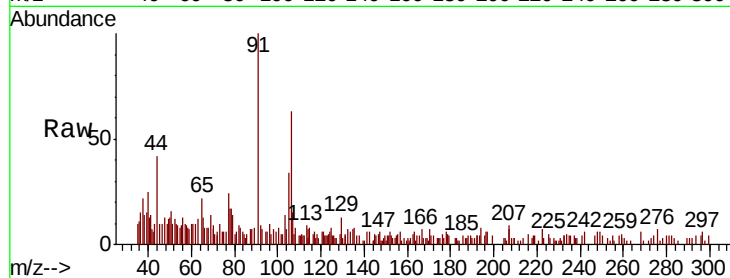
S39-0192

Tot Ion:106 Resp: 2769

Ion Ratio Lower Upper

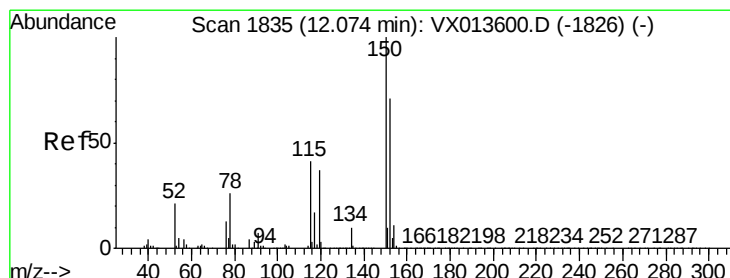
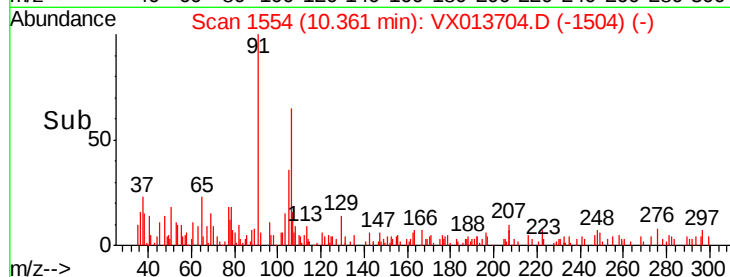
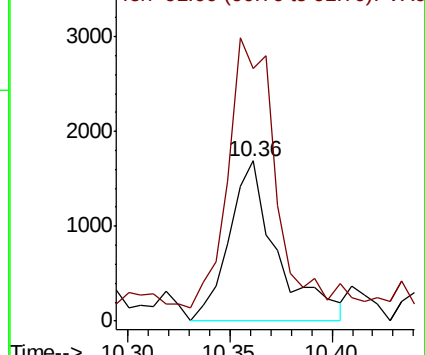
106 100

91 180.0 159.0 238.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

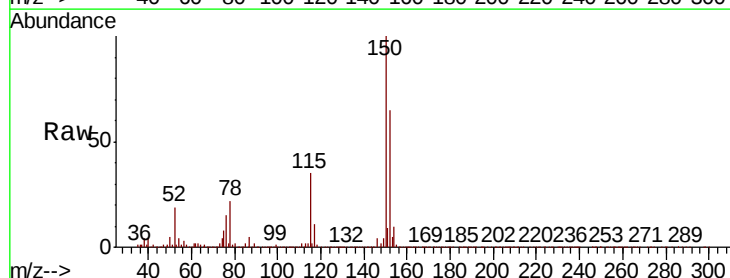
Tgt Ion:152 Resp: 433084

Ion Ratio Lower Upper

152 100

115 55.1 38.4 115.1

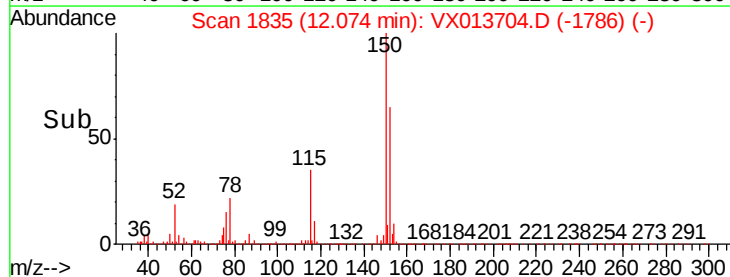
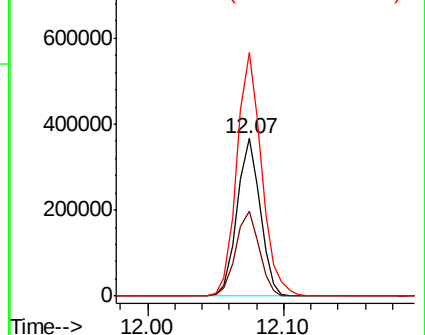
150 165.5 0.0 346.8

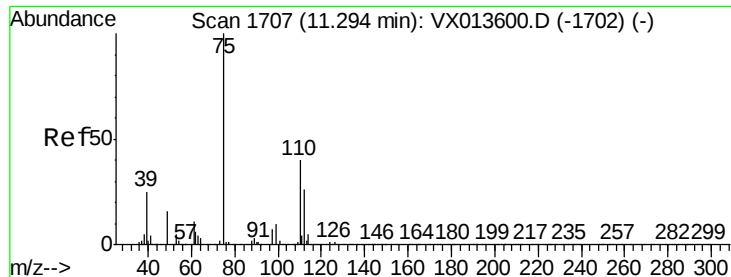


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

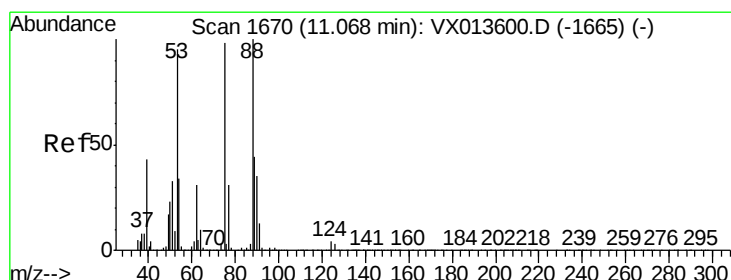
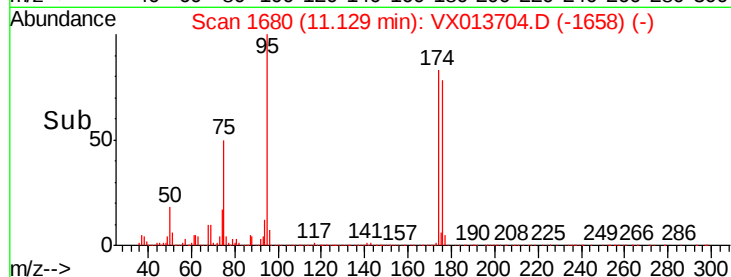
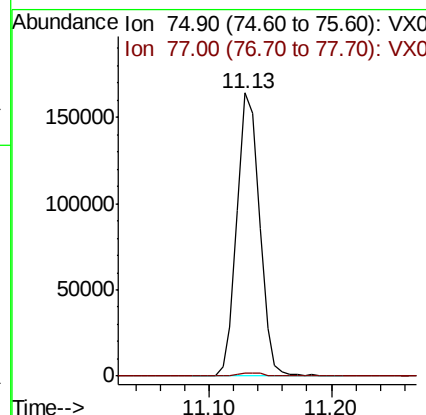
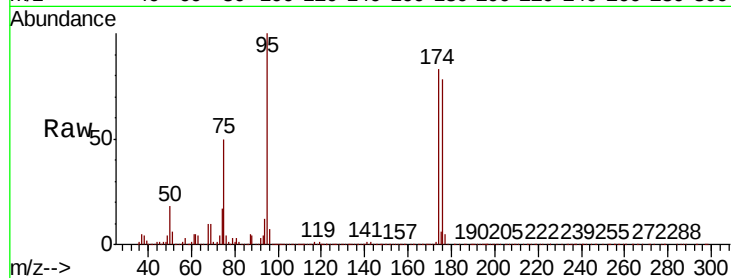




#76
 1,2,3-Trichloropropane
 Concen: 21.509 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013704.D
 Acq: 29 Nov 2019 16:23

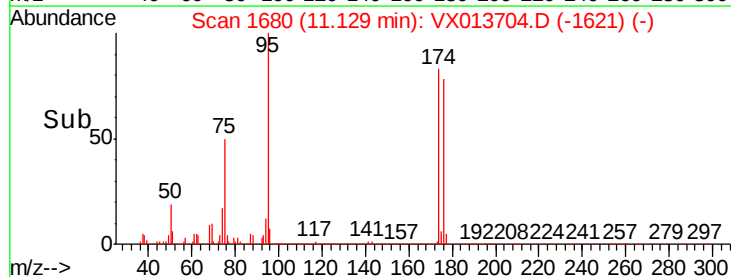
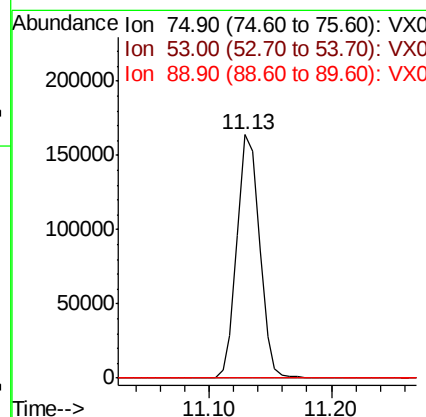
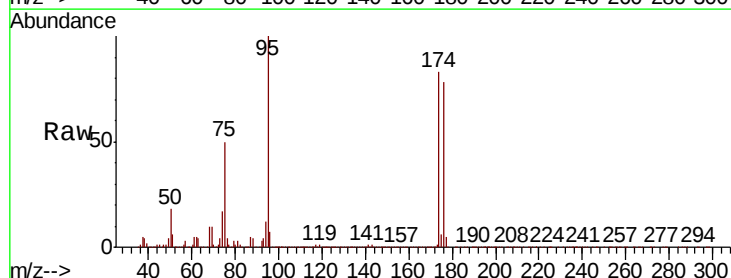
Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0192

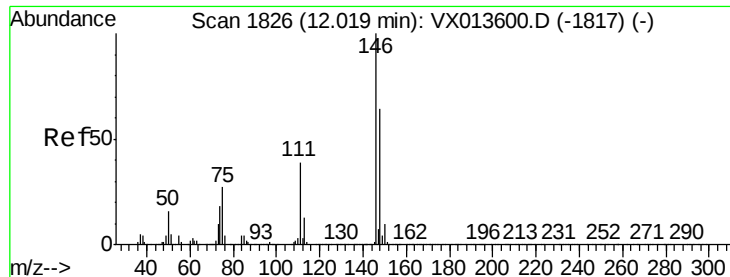
Tot Ion: 75 Resp: 209512
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.844 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013704.D
 Acq: 29 Nov 2019 16:23

Tgt Ion: 75 Resp: 209512
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.2 117.2#
 89 0.0 35.4 53.2#

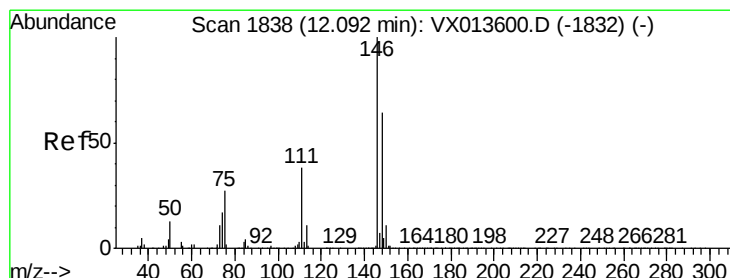
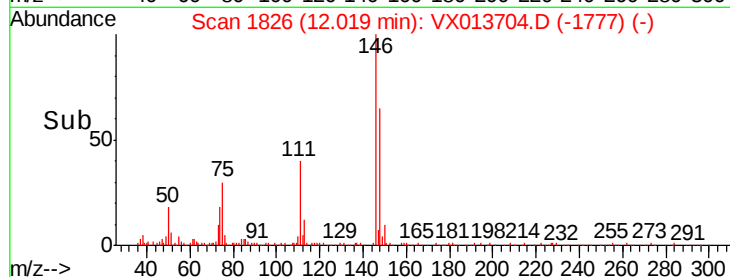
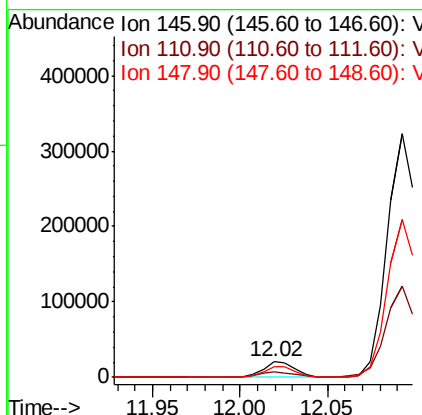
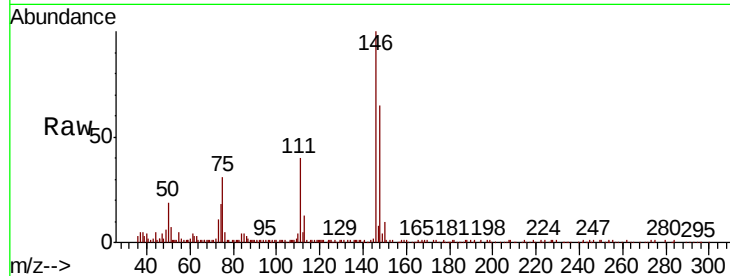




#87
 1,3-Dichlorobenzene
 Concen: 1.898 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013704.D
 Acq: 29 Nov 2019 16:23

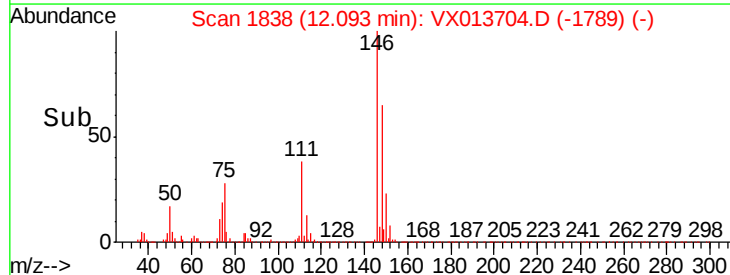
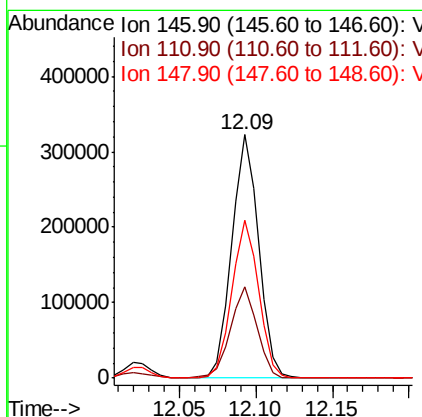
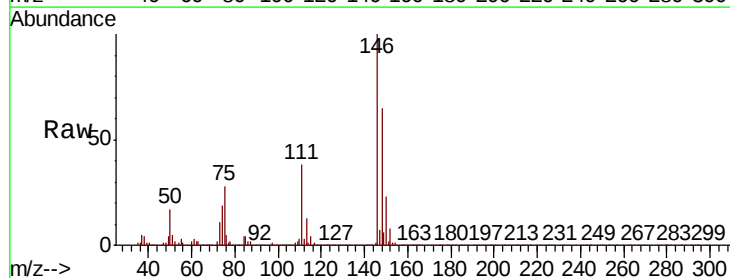
Instrument :
 MSVOA_X
 ClientSampled :
 S39-0192

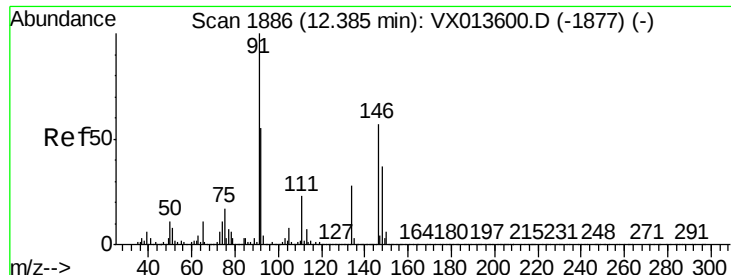
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.0	57.0
148	66.6	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 26.855 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013704.D
 Acq: 29 Nov 2019 16:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.9
148	64.8	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 25.591 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

Instrument :

MSVOA_X

ClientSampleId :

S39-0192

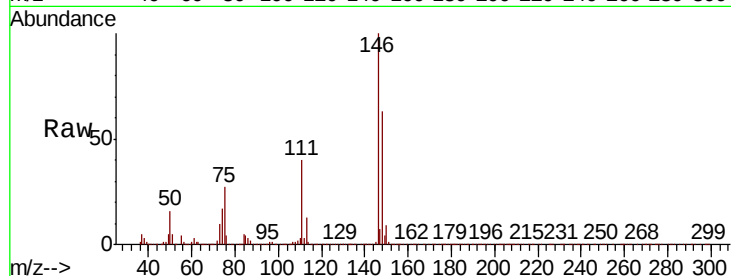
Tot Ion:146 Resp: 361725

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

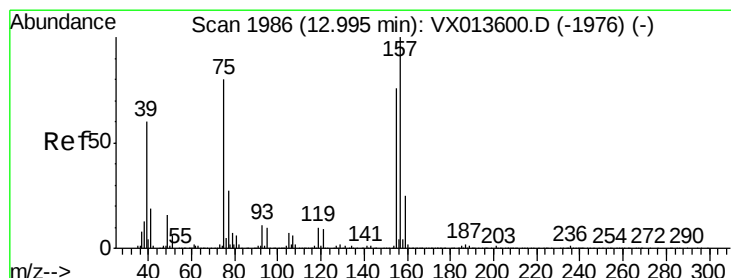
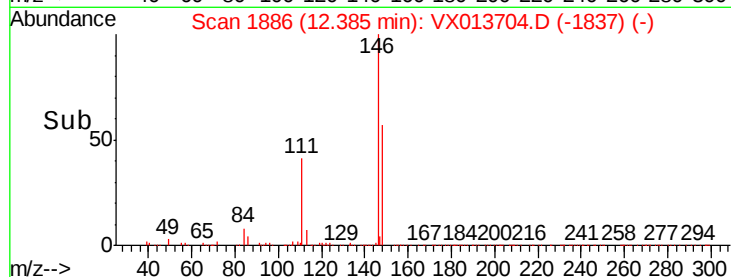
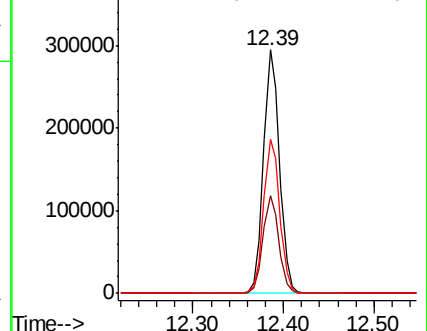
148 63.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

RT: 13.15 min Scan# 2012

Delta R.T. 0.16 min

Lab File: VX013704.D

Acq: 29 Nov 2019 16:23

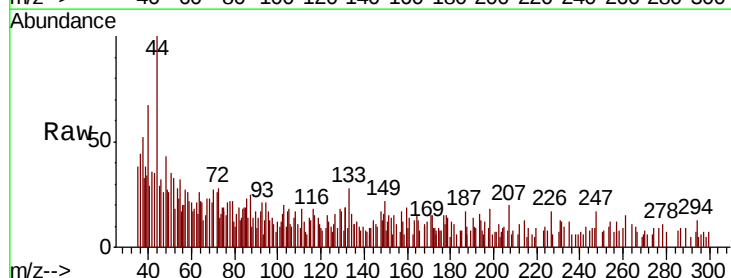
Tgt Ion: 75 Resp: 496

Ion Ratio Lower Upper

75 100

155 51.4 47.6 142.8

157 81.5 62.1 186.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

