

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013689.D
 Acq On : 28 Nov 2019 06:38
 Operator : JC/SP
 Sample : K5965-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0190

Quant Time: Nov 29 00:44:16 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	680236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1071109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	941098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	424076	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	386447	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.48	113	314048	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	8.71	98	1258531	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.14	95	422761	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	

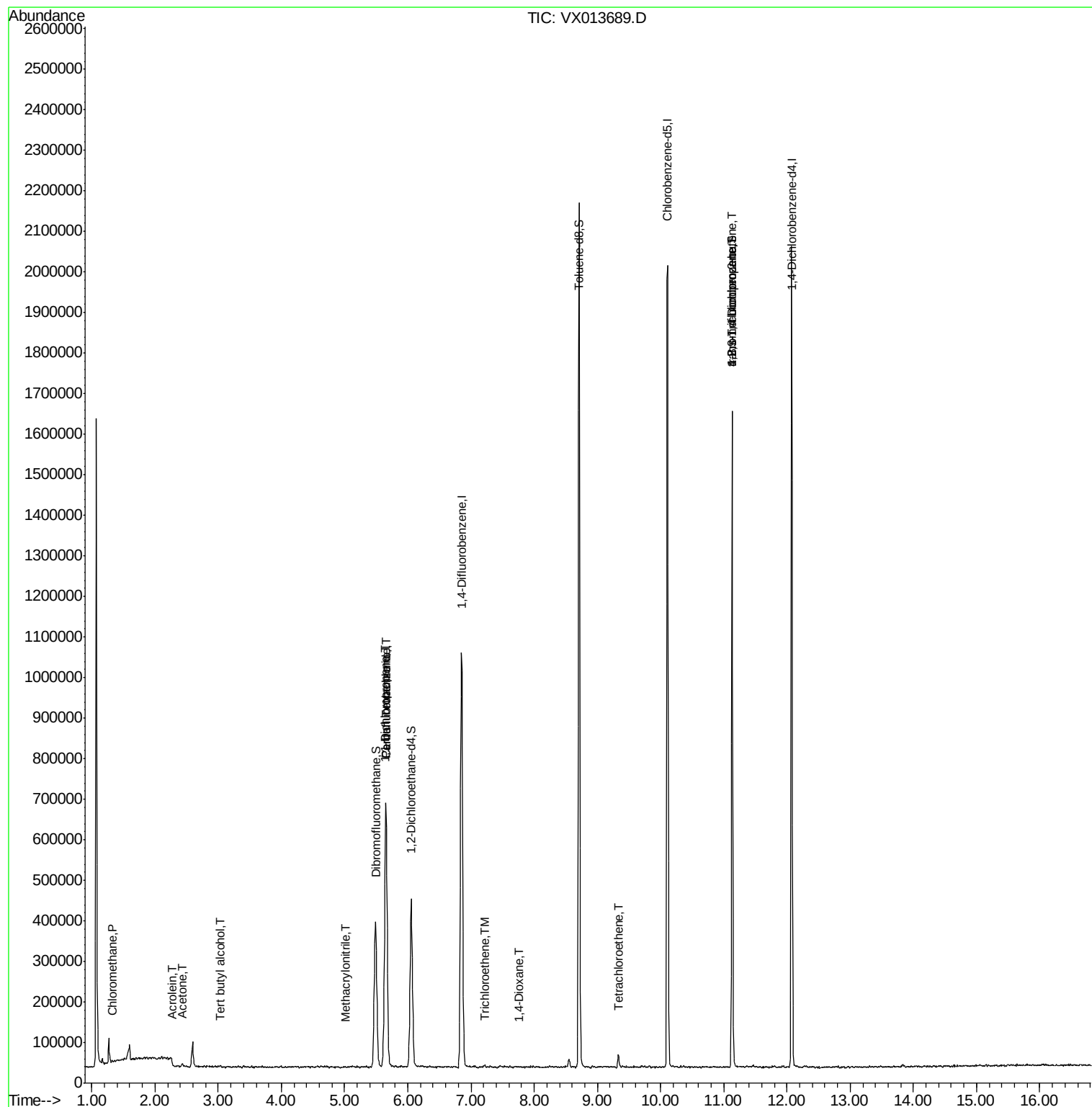
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	3494	0.411	ug/l #	75
11) Tert butyl alcohol	3.03	59	5689	2.919	ug/l #	66
13) Acrolein	2.28	56	227	6.174	ug/l #	15
16) Acetone	2.43	43	7883	2.022	ug/l	93
36) 1,1-Dichloropropene	5.64	75	45710	4.701	ug/l #	42
38) Carbon Tetrachloride	5.65	117	59220	6.605	ug/l #	14
41) Methacrylonitrile	5.00	41	1314	0.220	ug/l #	79
44) Trichloroethene	7.22	130	2769	0.341	ug/l	77
49) 1,4-Dioxane	7.76	88	129	0.661	ug/l #	2
64) Tetrachloroethene	9.33	164	7226	1.030	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	204226	21.411	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	204291	58.596	ug/l #	11

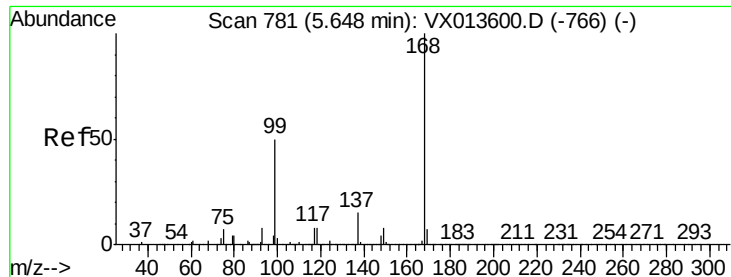
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

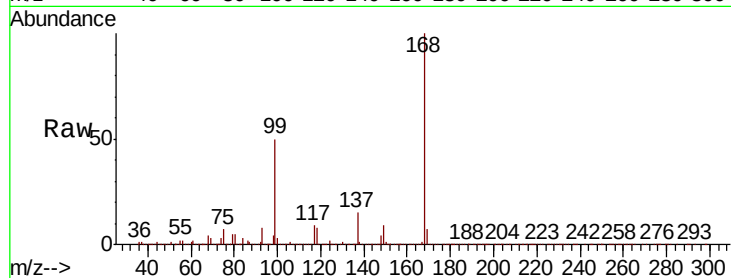
S39-0190

Tot Ion:168 Resp: 680236

Ion Ratio Lower Upper

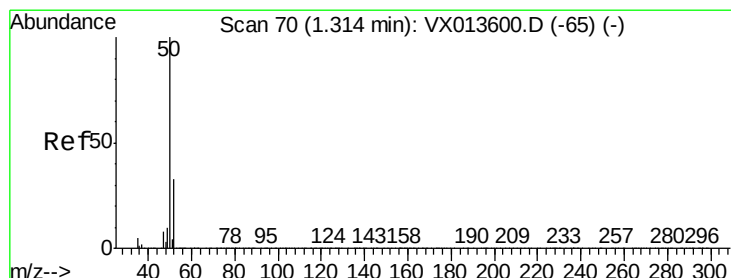
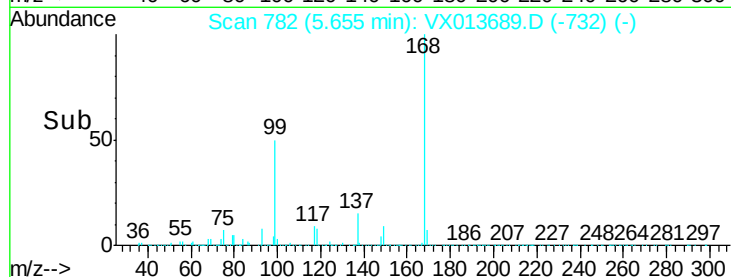
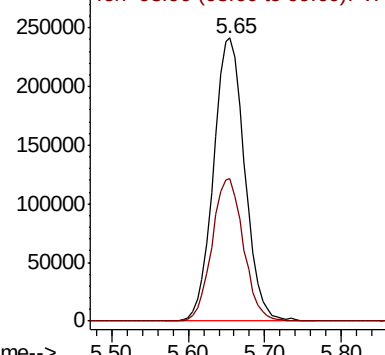
168 100

99 50.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.411 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013689.D

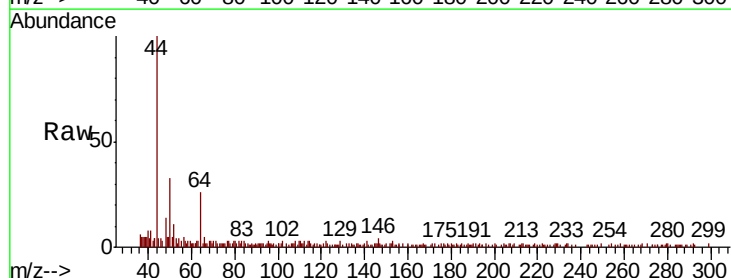
Acq: 28 Nov 2019 06:38

Tgt Ion: 50 Resp: 3494

Ion Ratio Lower Upper

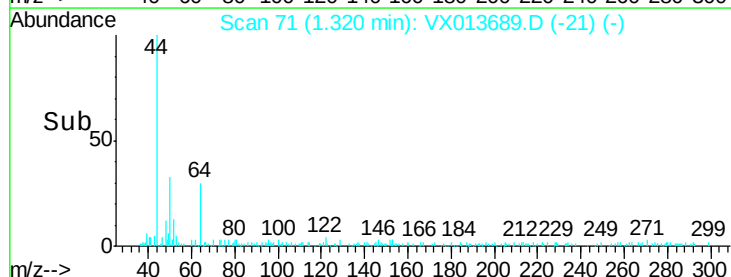
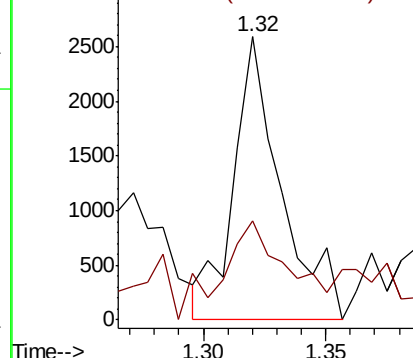
50 100

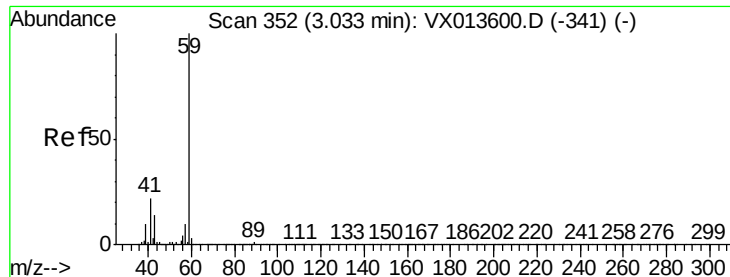
52 18.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

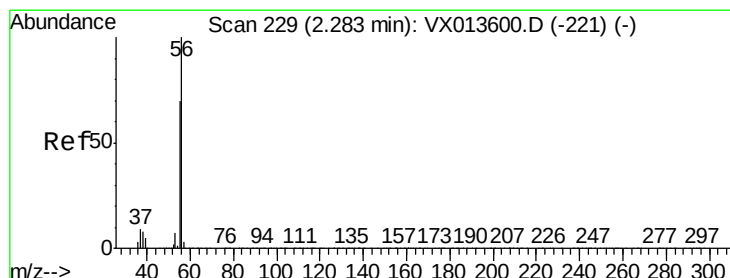
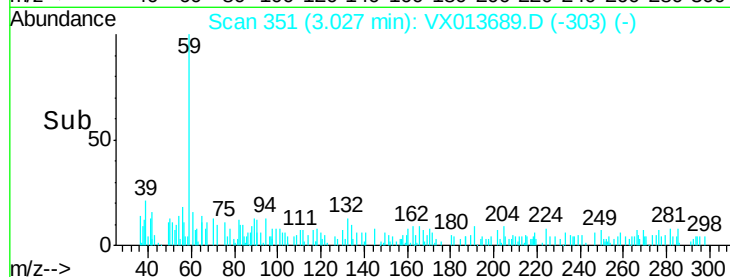
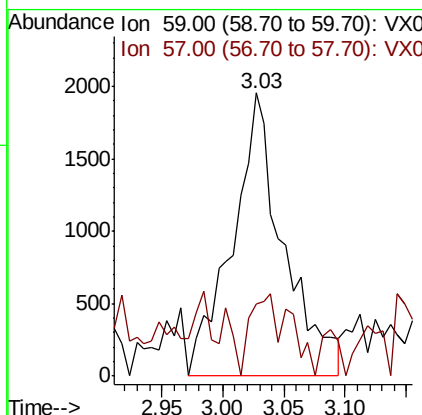
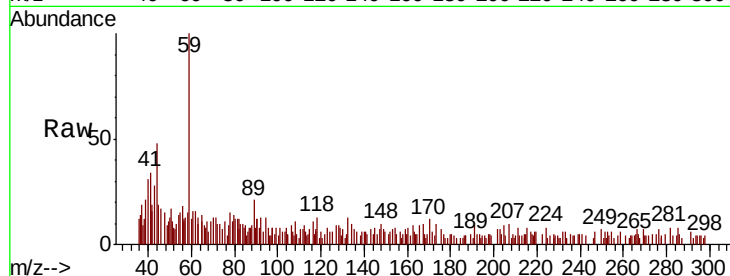




#11
Tert butyl alcohol
Concen: 2.919 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

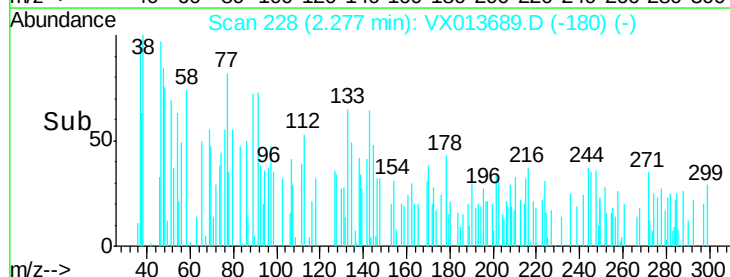
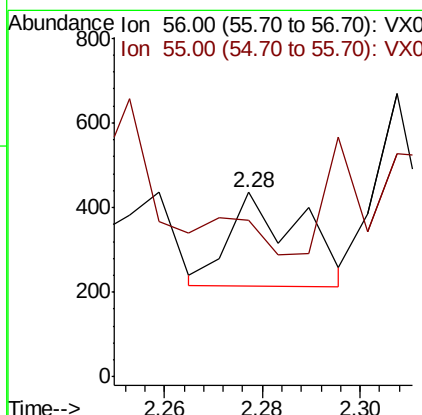
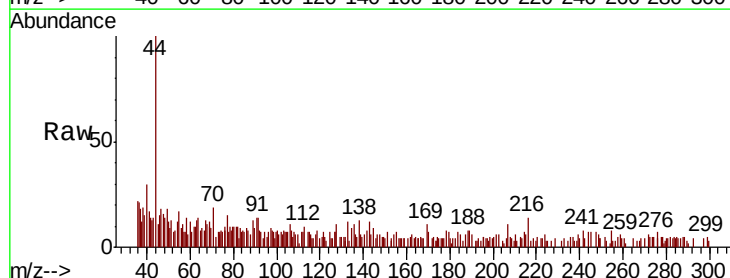
Instrument :
MSVOA_X
ClientSampled :
S39-0190

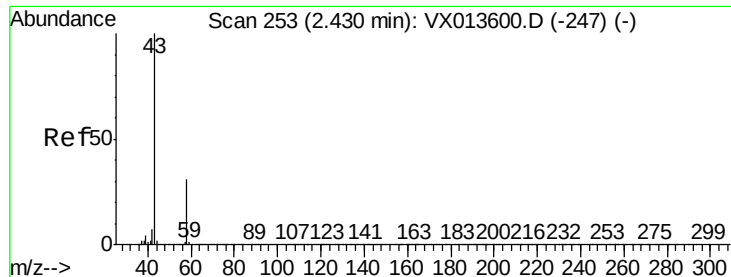
Tot Ion: 59 Resp: 5689
Ion Ratio Lower Upper
59 100
57 22.3 7.8 11.6#



#13
Acrolein
Concen: 6.174 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.01 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#16

Acetone

Concen: 2.022 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

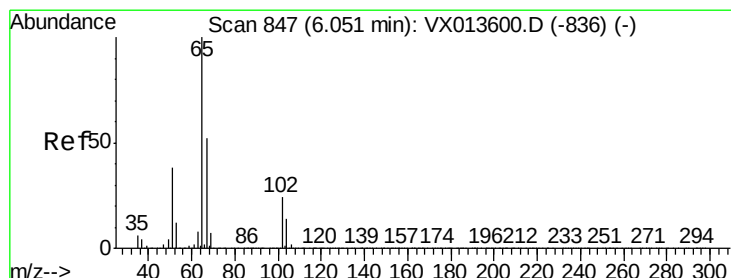
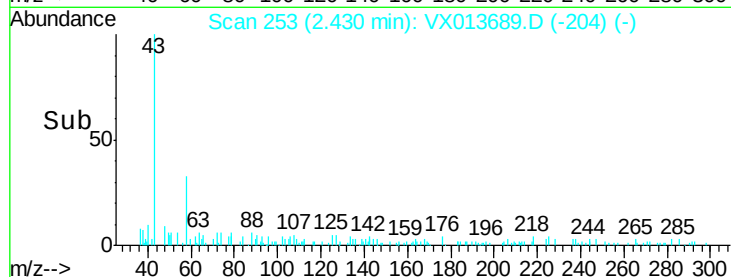
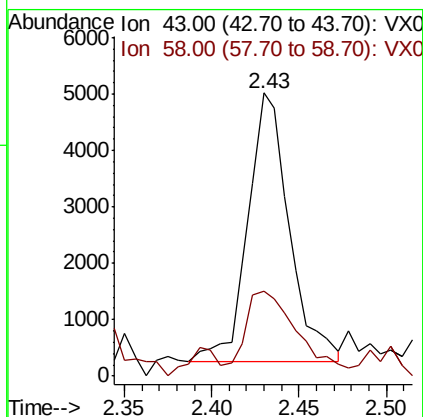
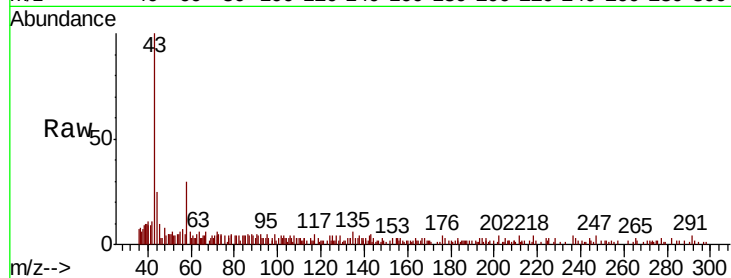
S39-0190

Tot Ion: 43 Resp: 7883

Ion Ratio Lower Upper

43 100

58 27.0 24.6 36.8



#33

1,2-Dichloroethane-d4

Concen: 48.942 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013689.D

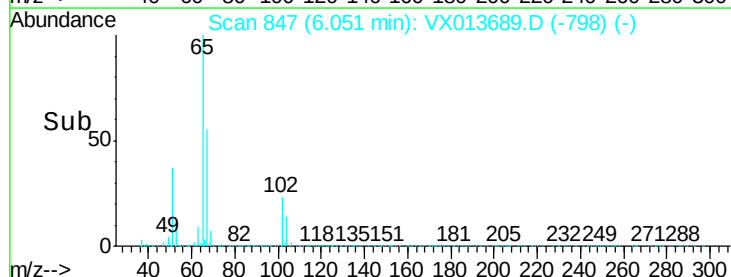
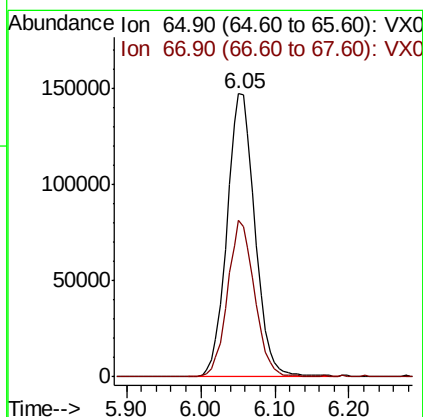
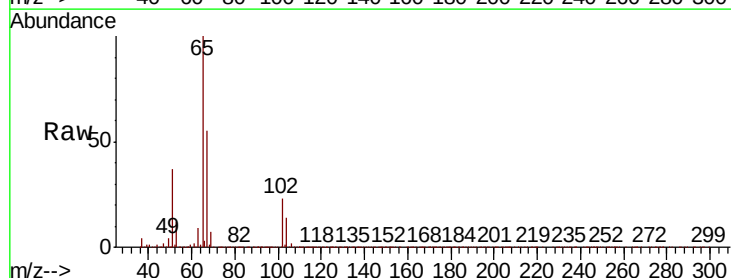
Acq: 28 Nov 2019 06:38

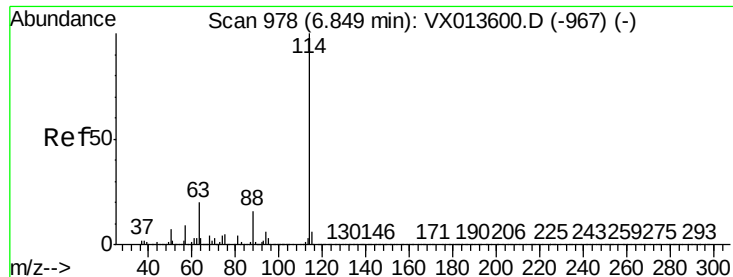
Tgt Ion: 65 Resp: 386447

Ion Ratio Lower Upper

65 100

67 53.1 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: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

S39-0190

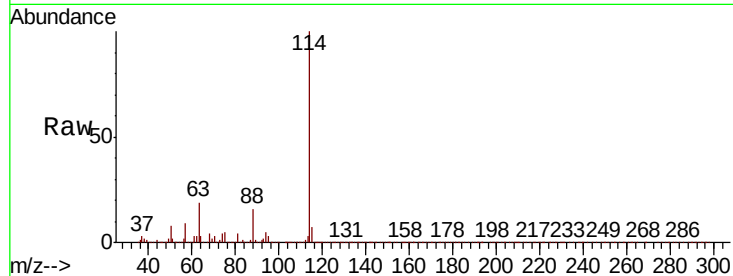
Tot Ion:114 Resp: 1071109

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

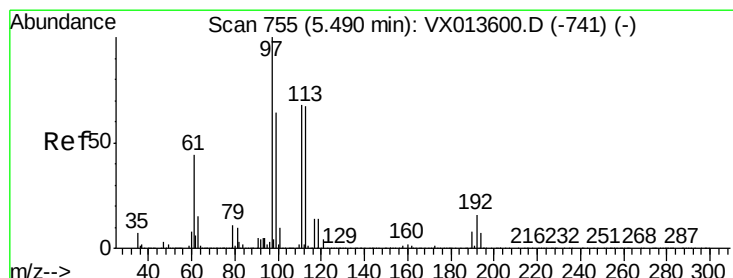
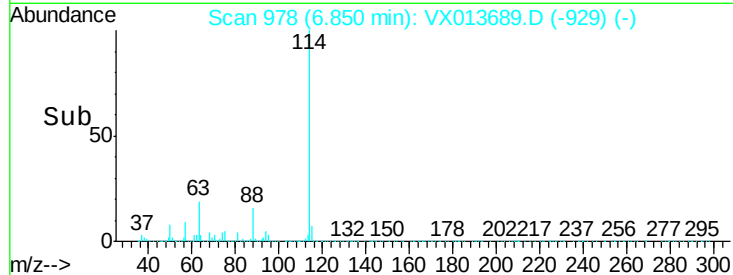
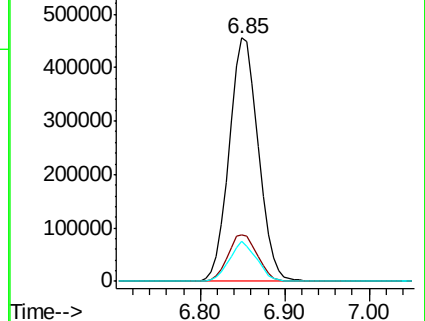
88 16.3 0.0 31.4



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: 47.427 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

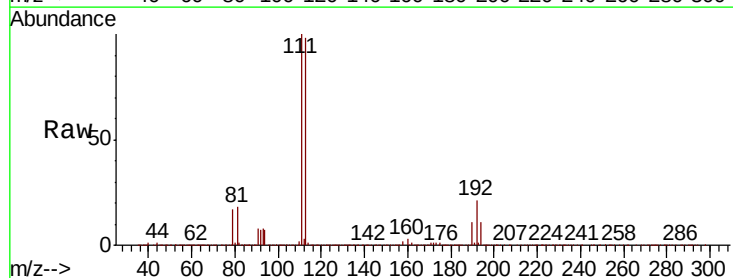
Tgt Ion:113 Resp: 314048

Ion Ratio Lower Upper

113 100

111 104.1 83.6 125.4

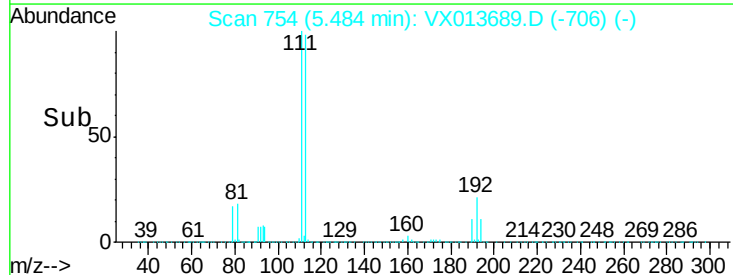
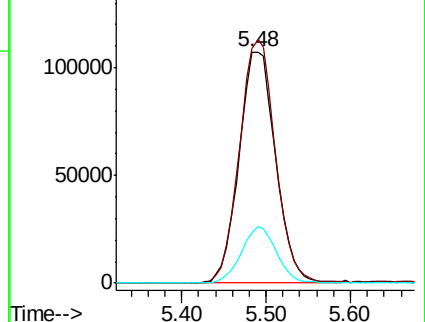
192 23.4 19.2 28.8

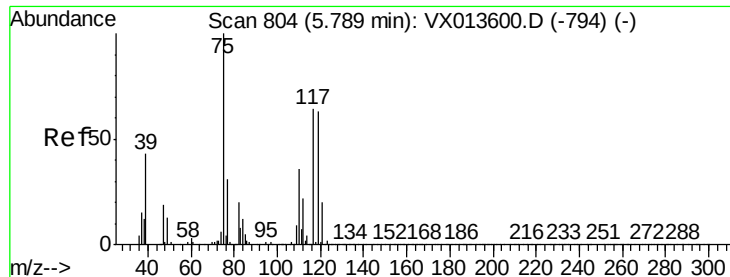


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.701 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

S39-0190

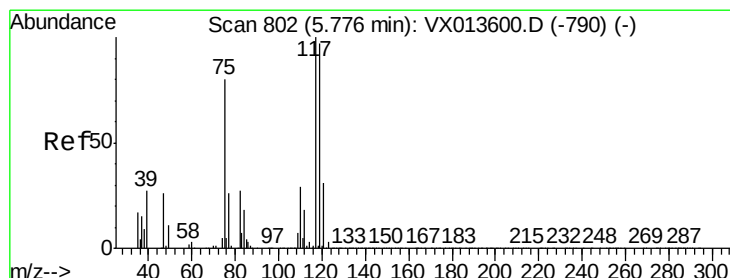
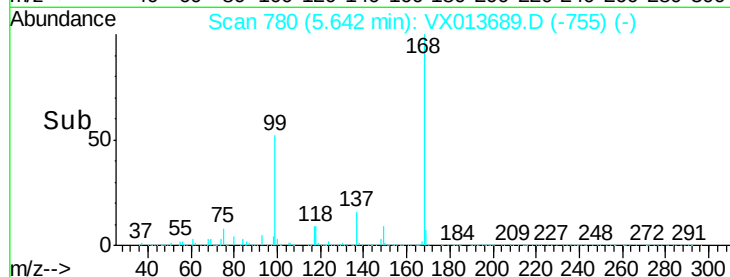
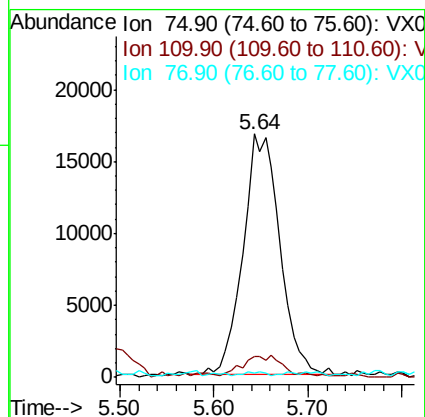
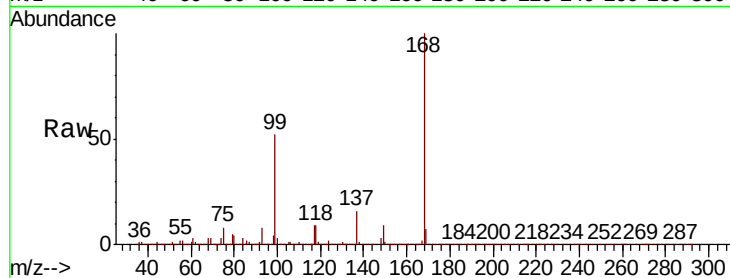
Tot Ion: 75 Resp: 45710

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.7 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

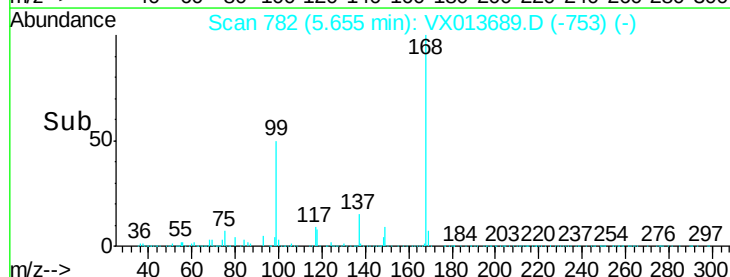
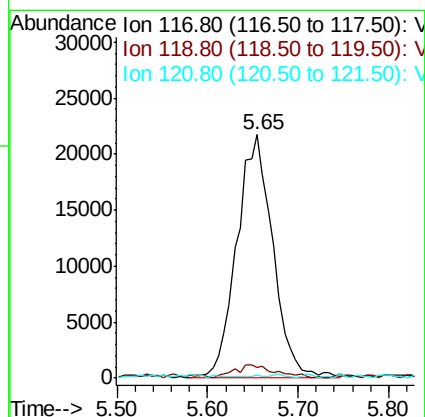
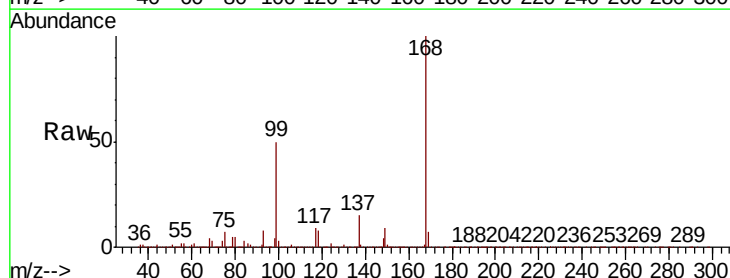
Tgt Ion: 117 Resp: 59220

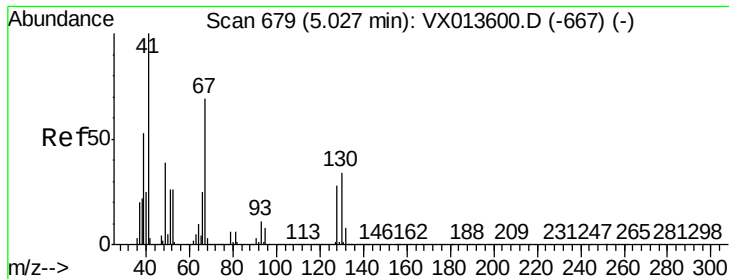
Ion Ratio Lower Upper

117 100

119 3.6 77.5 116.3#

121 0.0 25.0 37.6#

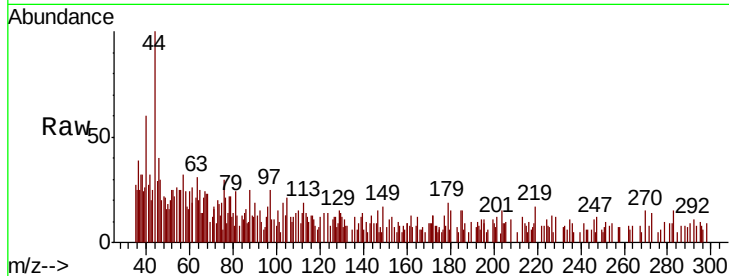




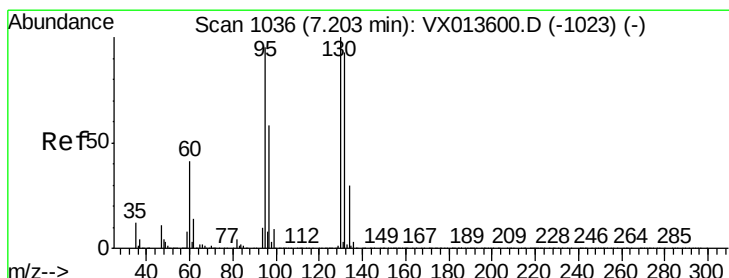
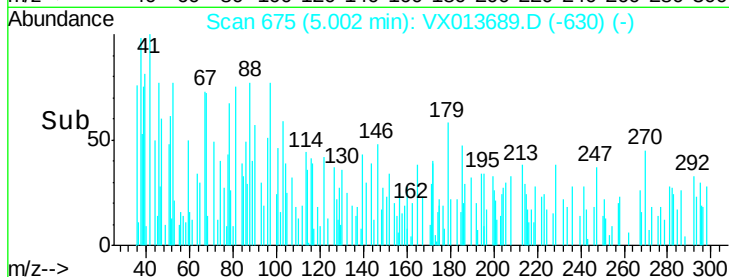
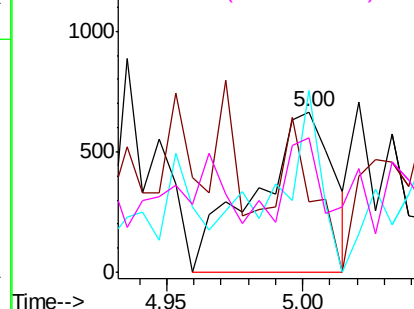
#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.02 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

Instrument :
MSVOA_X
ClientSampled :
S39-0190

Tot Ion:	41	Resp:	1314
Ion	Ratio	Lower	Upper
41	100		
39	42.1	42.9	64.3#
67	47.3	57.4	86.0#
52	24.7	22.4	33.6

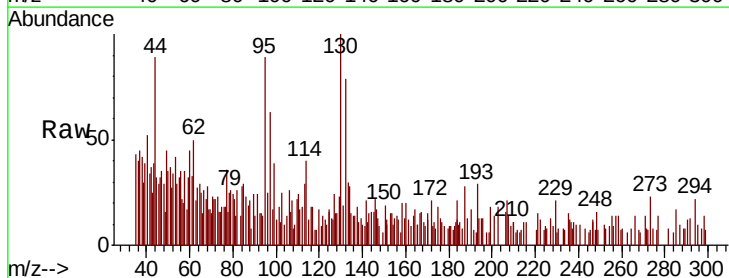


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

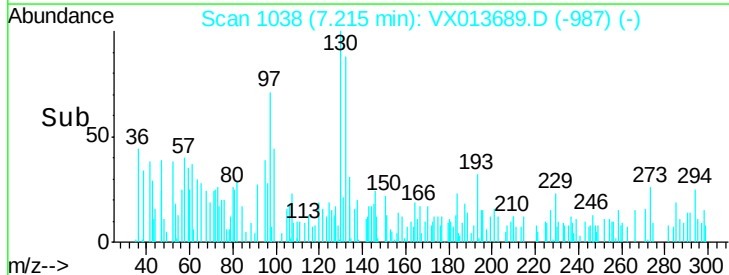
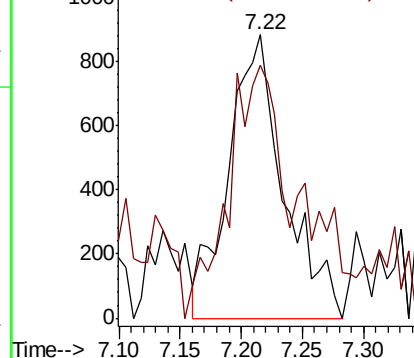


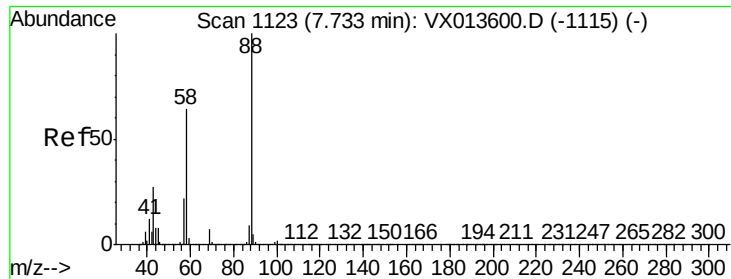
#44
Trichloroethene
Concen: 0.341 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

Tgt Ion:	130	Resp:	2769
Ion	Ratio	Lower	Upper
130	100		
95	73.2	0.0	190.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

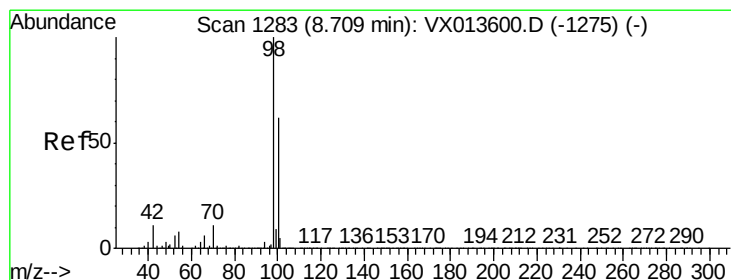
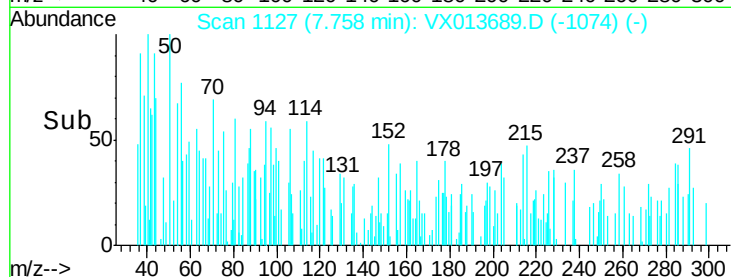
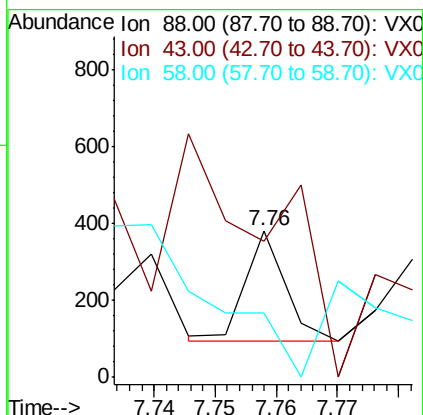
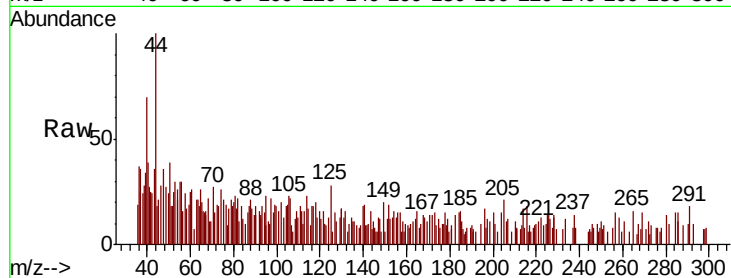




#49
1,4-Dioxane
Concen: 0.661 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

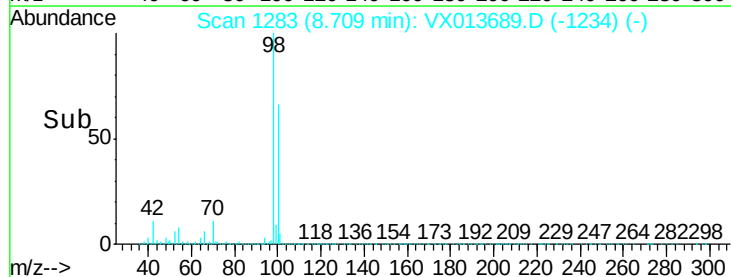
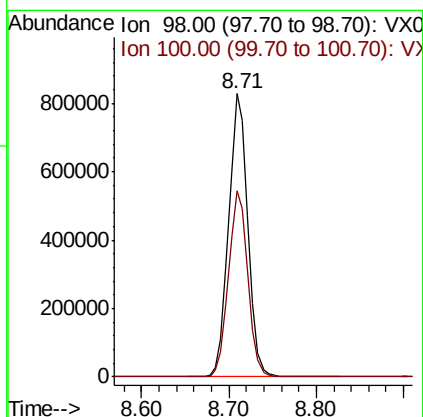
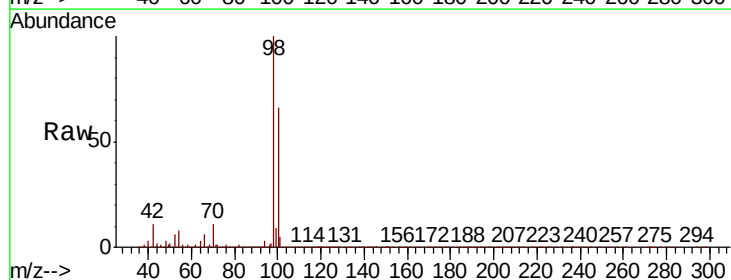
Instrument :
MSVOA_X
ClientSampled :
S39-0190

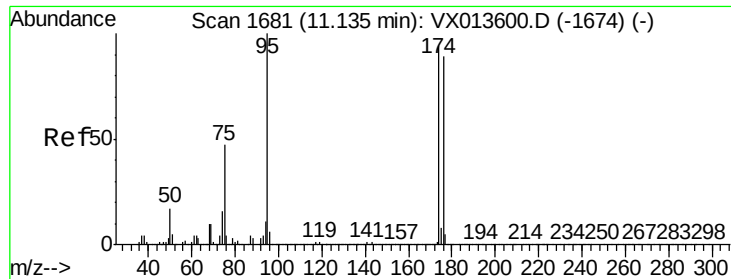
Tot Ion: 88 Resp: 129
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 163.6 54.6 82.0#



#50
Toluene-d8
Concen: 48.782 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013689.D
Acq: 28 Nov 2019 06:38

Tgt Ion: 98 Resp: 1258531
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 45.443 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

S39-0190

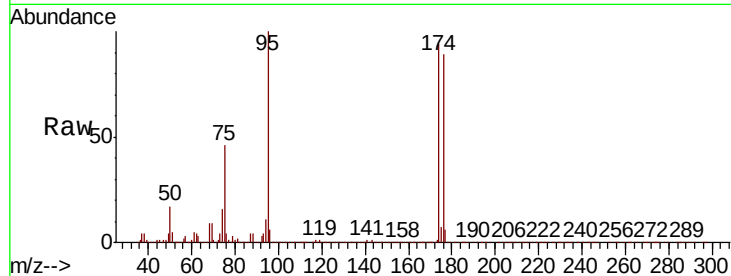
Tot Ion: 95 Resp: 422761

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.0

176 86.9 0.0 173.6

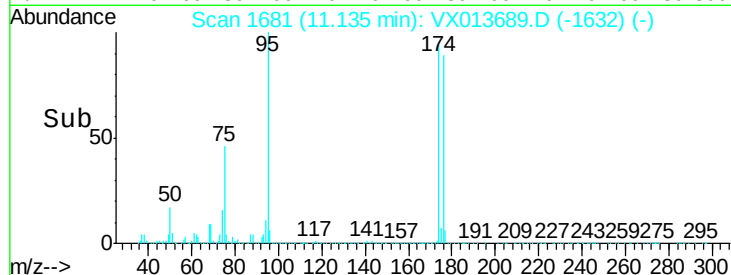


Abundance Ion 94.90 (94.60 to 95.60): VX013600.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013600.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013600.D (-1674) (-)

Time-->

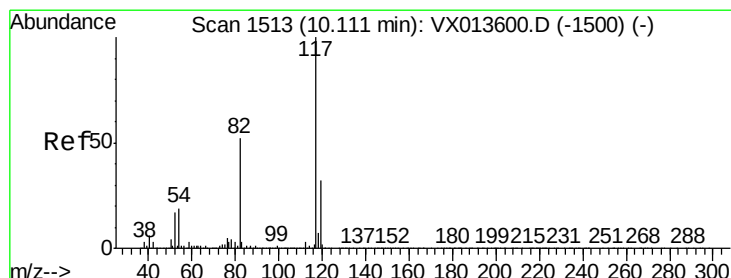


Abundance Ion 94.90 (94.60 to 95.60): VX013689.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013689.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013689.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

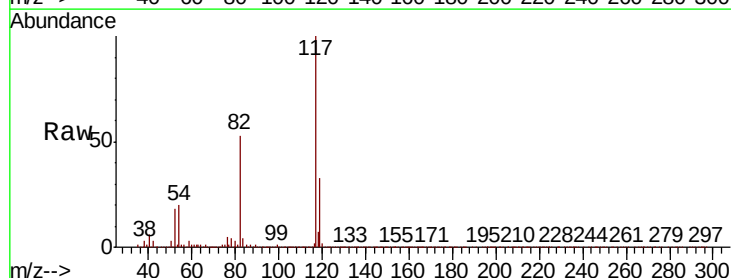
Tgt Ion: 117 Resp: 941098

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

119 33.1 25.8 38.8

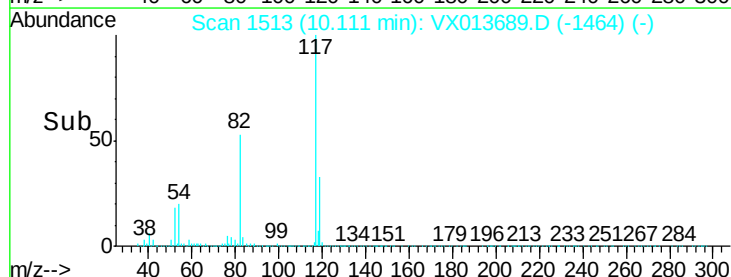


Abundance Ion 116.90 (116.60 to 117.60): VX013600.D (-1500) (-)

Ion 82.00 (81.70 to 82.70): VX013600.D (-1500) (-)

Ion 118.90 (118.60 to 119.60): VX013600.D (-1500) (-)

Time-->

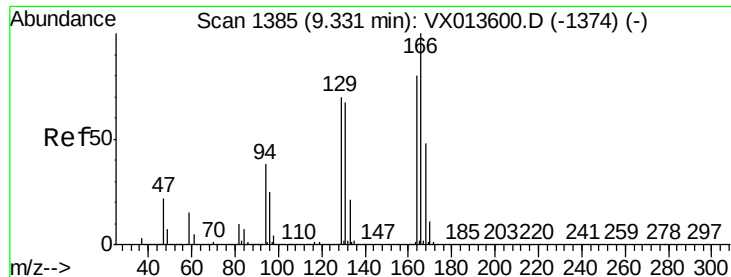


Abundance Ion 116.90 (116.60 to 117.60): VX013689.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013689.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013689.D (-1464) (-)

Time-->



#64

Tetrachloroethene

Concen: 1.030 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

S39-0190

Tot Ion:164 Resp: 7226

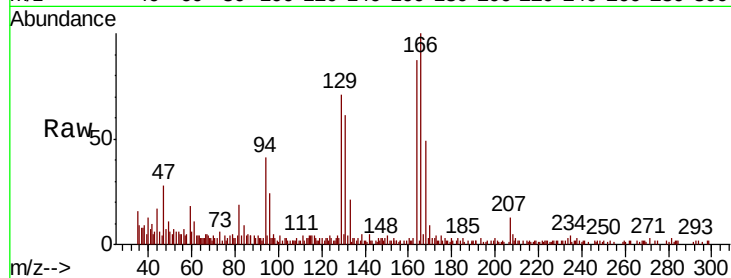
Ion Ratio Lower Upper

164 100

166 112.5 99.7 149.5

129 80.0 70.1 105.1

131 68.5 66.9 100.3



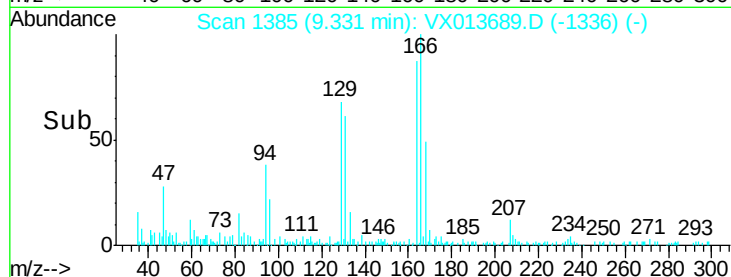
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

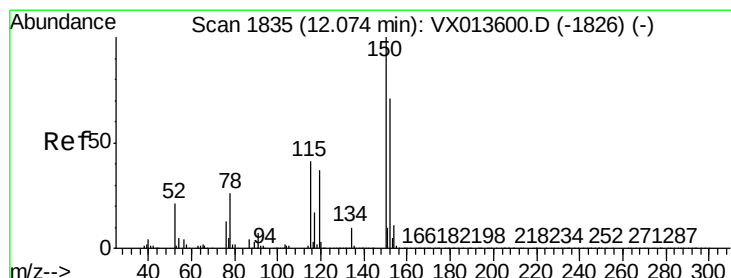
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

9.33



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

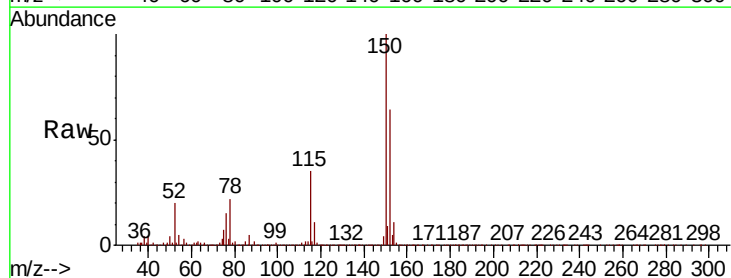
Tgt Ion:152 Resp: 424076

Ion Ratio Lower Upper

152 100

115 54.6 38.4 115.1

150 155.0 0.0 346.8

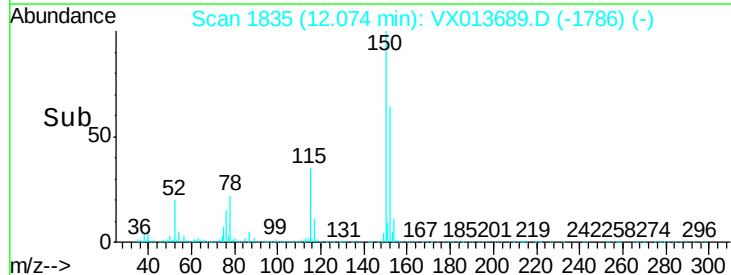


Abundance Ion 151.90 (151.60 to 152.60): V

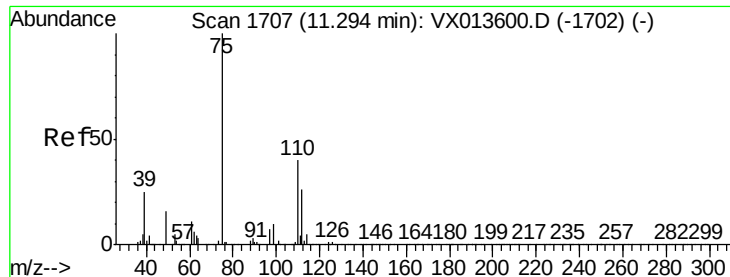
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.07



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.411 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Instrument :

MSVOA_X

ClientSampleId :

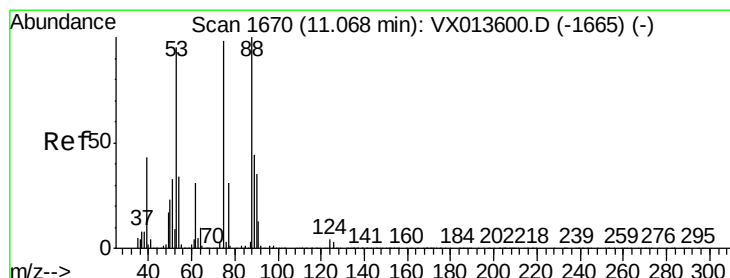
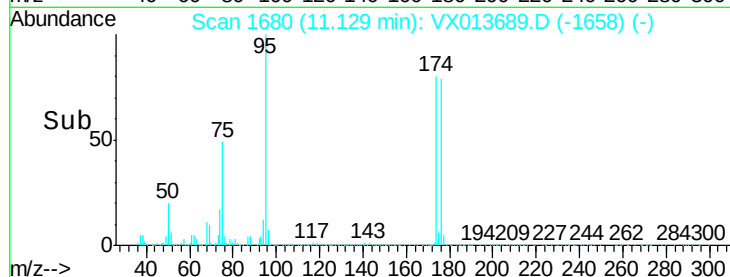
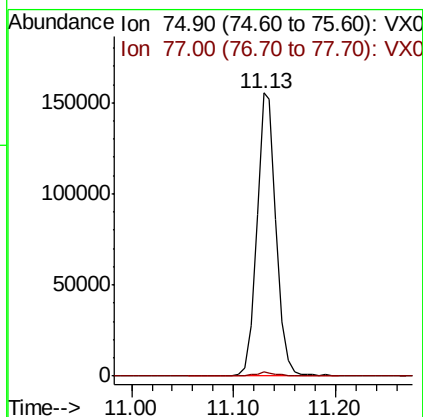
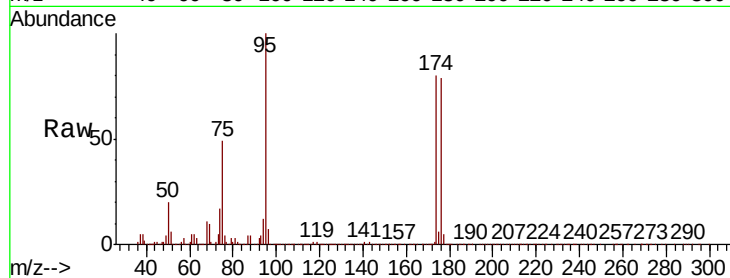
S39-0190

Tot Ion: 75 Resp: 204226

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.596 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013689.D

Acq: 28 Nov 2019 06:38

Tgt Ion: 75 Resp: 204291

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

89 0.1 35.4 53.2#

