

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111219\
 Data File : VX013394.D
 Acq On : 12 Nov 2019 18:48
 Operator : JC/SP
 Sample : K5799-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 13 02:43:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	763395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1210887	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1092068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	496071	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	432400	47.81	ug/l	0.00
Spiked Amount						
			Recovery	=	95.62%	
35) Dibromofluoromethane	5.49	113	371642	48.93	ug/l	0.00
Spiked Amount						
			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	1449278	50.62	ug/l	0.00
Spiked Amount						
			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.13	95	485833	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	

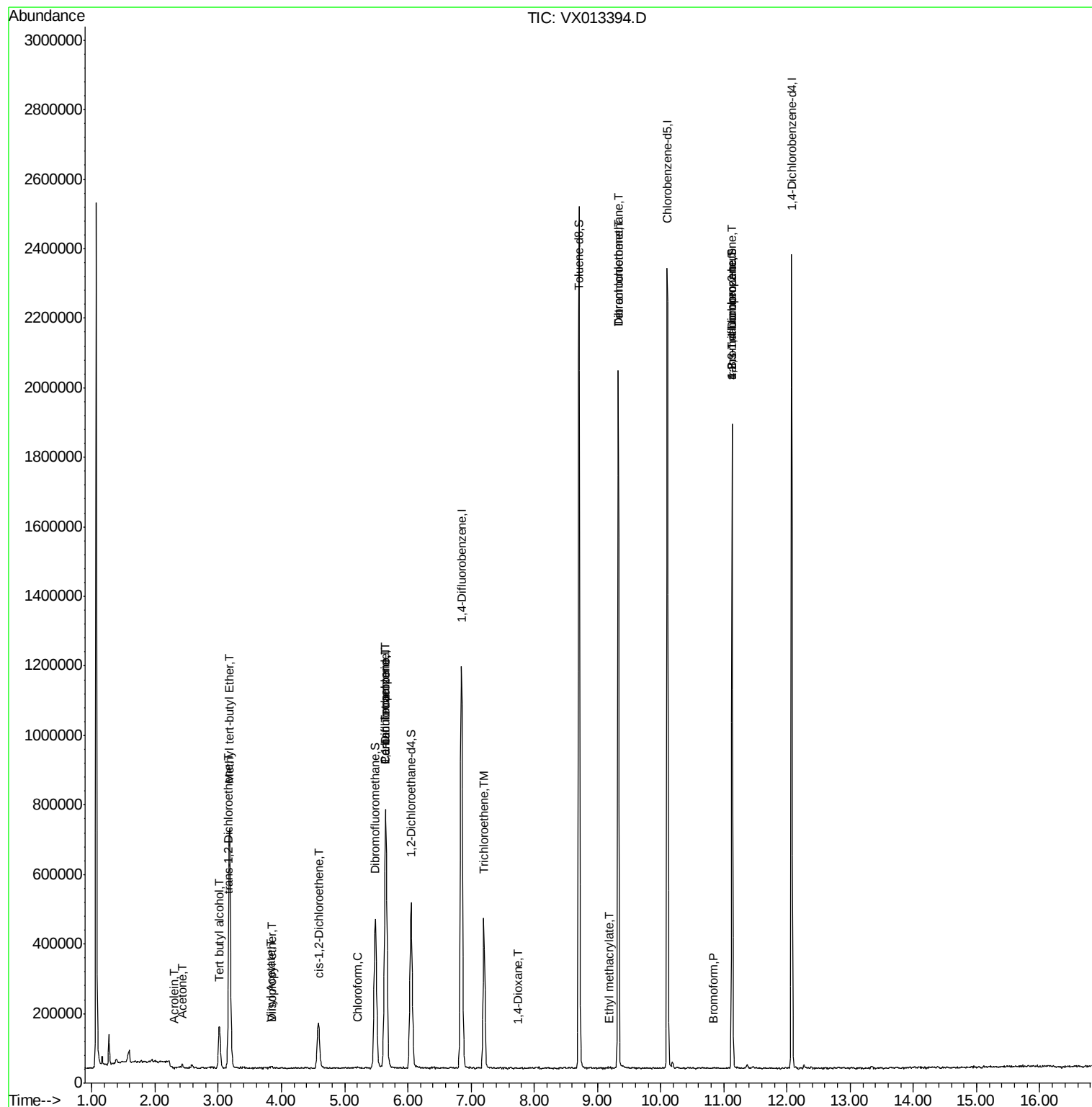
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	942	Below Cal	#	44
11) Tert butyl alcohol	3.01	59	146809	61.588	ug/l	99
13) Acrolein	2.30	56	461	0.357	ug/l #	42
16) Acetone	2.43	43	11912	2.641	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	761528	32.606	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	19000	2.492	ug/l	96
22) Diisopropyl ether	3.85	45	6360	0.259	ug/l #	94
23) Vinyl Acetate	3.84	43	5610	0.267	ug/l #	90
27) cis-1,2-Dichloroethene	4.59	96	84379	9.879	ug/l	90
30) Chloroform	5.21	83	2733	0.201	ug/l	85
36) 1,1-Dichloropropene	5.65	75	53589	5.159	ug/l #	42
38) Carbon Tetrachloride	5.65	117	67309	6.626	ug/l #	15
44) Trichloroethene	7.20	130	172305	19.345	ug/l	97
49) 1,4-Dioxane	7.75	88	303	1.326	ug/l #	59
56) Ethyl methacrylate	9.18	69	244	1.580	ug/l #	1
60) Dibromochloromethane	9.33	129	344245	40.492	ug/l #	10
64) Tetrachloroethene	9.33	164	390567	49.959	ug/l	97
71) Bromoform	10.84	173	285	3.238	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	238420	23.663	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	238420	60.907	ug/l #	9

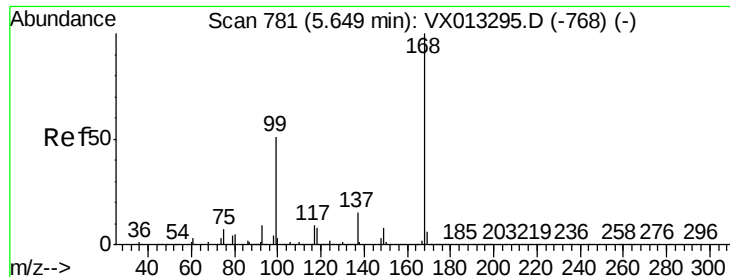
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111219\
Data File : VX013394.D
Acq On : 12 Nov 2019 18:48
Operator : JC/SP
Sample : K5799-14
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 13 02:43:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

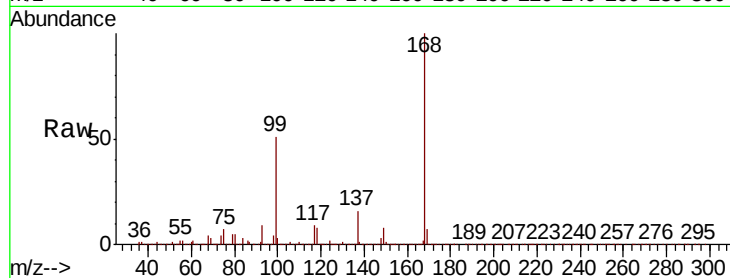
ClientSampleId :

Tot Ion:168 Resp: 763395

Ion Ratio Lower Upper

168 100

99 51.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

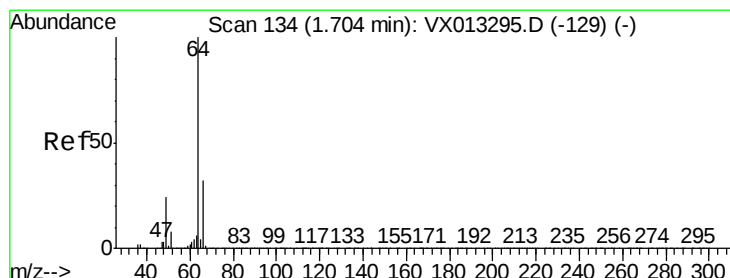
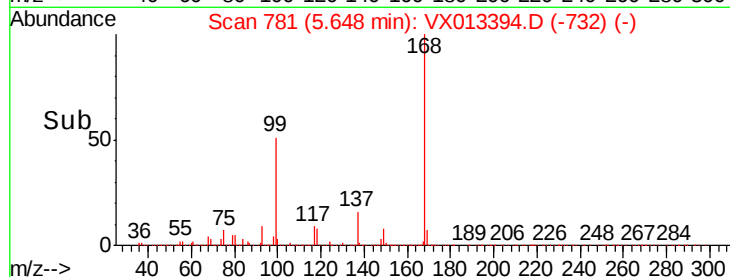
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 132

Delta R.T. -0.01 min

Lab File: VX013394.D

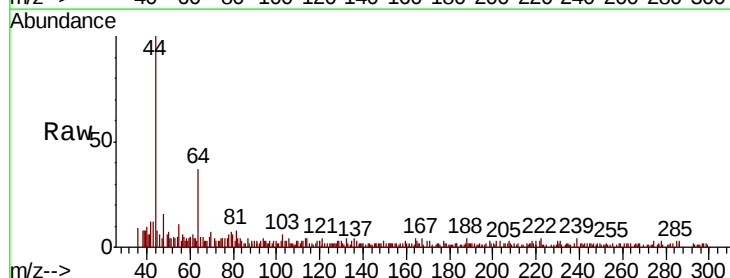
Acq: 12 Nov 2019 18:48

Tgt Ion: 64 Resp: 942

Ion Ratio Lower Upper

64 100

66 0.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

2500

2000

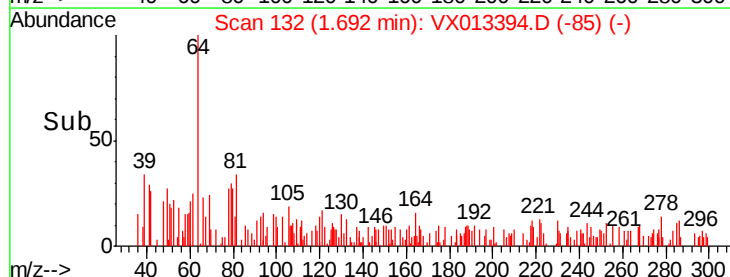
1500

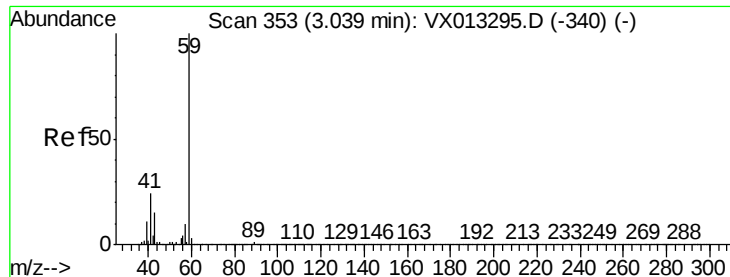
1000

500

0

Time-->

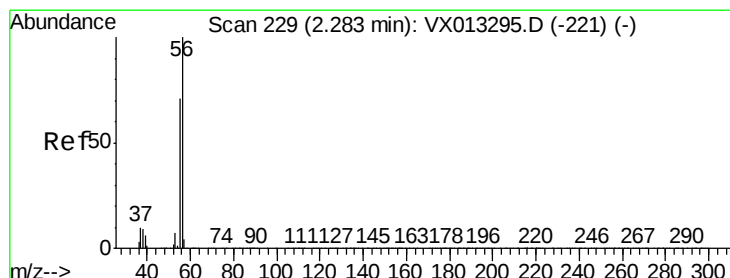
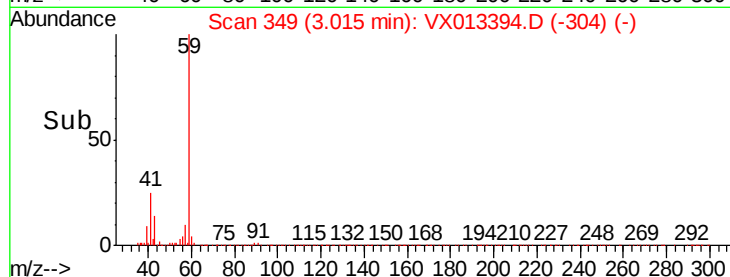
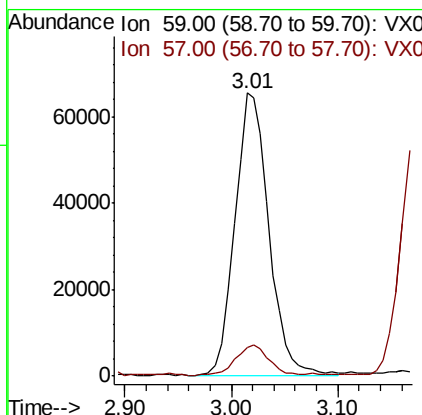
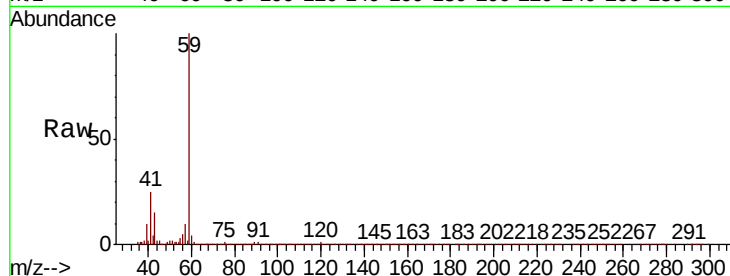




#11
Tert butyl alcohol
Concen: 61.588 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

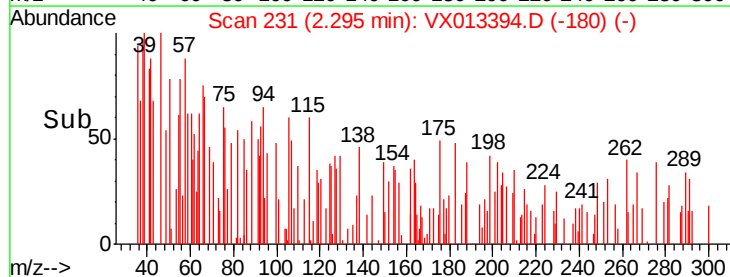
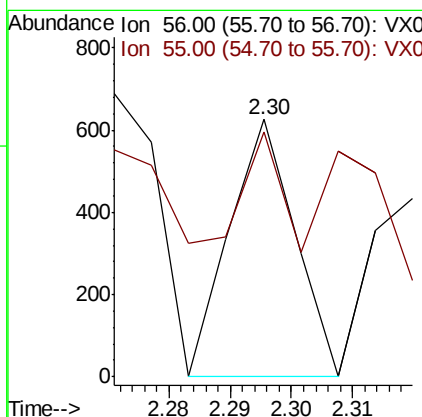
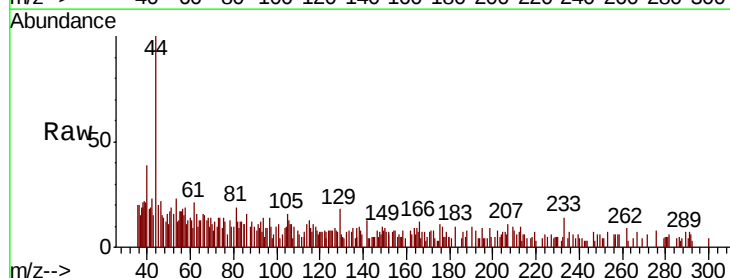
Instrument :
MSVOA_X
ClientSampleId :

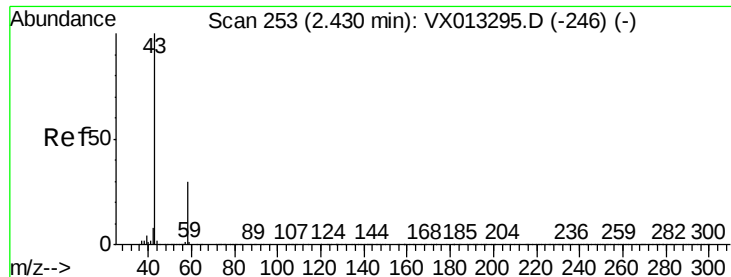
Tot Ion: 59 Resp: 146809
Ion Ratio Lower Upper
59 100
57 10.3 8.0 12.0



#13
Acrolein
Concen: 0.357 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

Tgt Ion: 56 Resp: 461
Ion Ratio Lower Upper
56 100
55 23.2 57.4 86.0#





#16

Acetone

Concen: 2.641 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

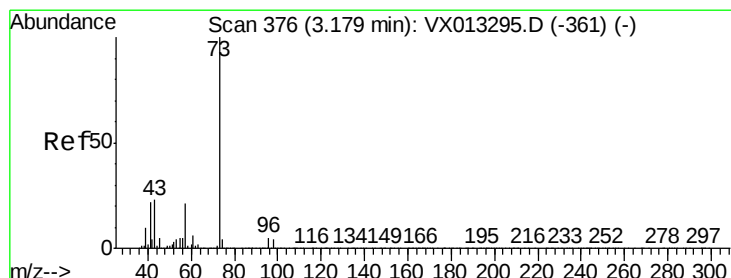
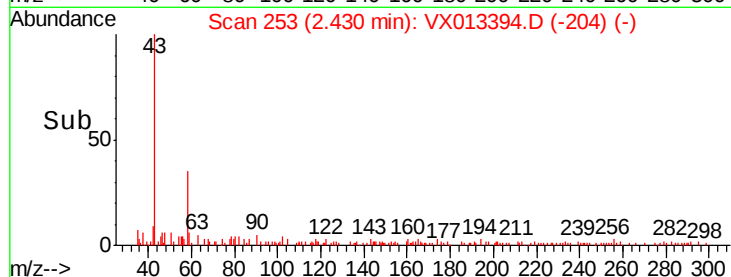
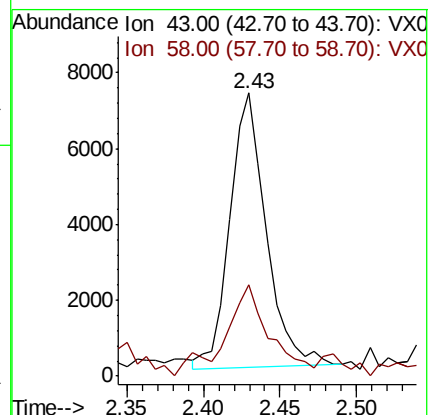
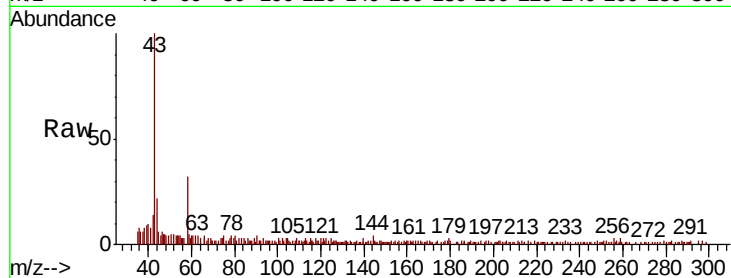
ClientSampleId :

Tot Ion: 43 Resp: 11912

Ion Ratio Lower Upper

43 100

58 29.4 24.3 36.5



#19

Methyl tert-butyl Ether

Concen: 32.606 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.00 min

Lab File: VX013394.D

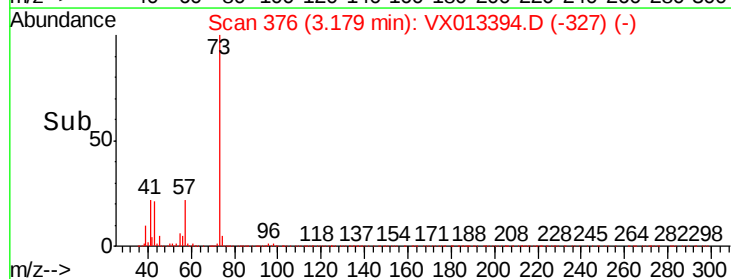
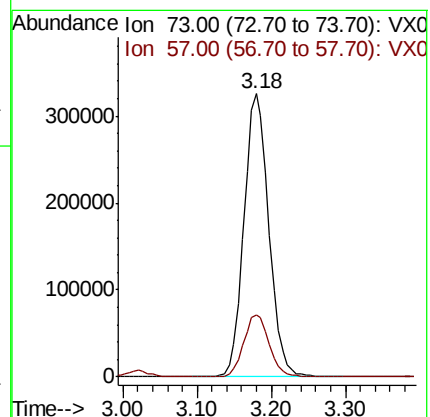
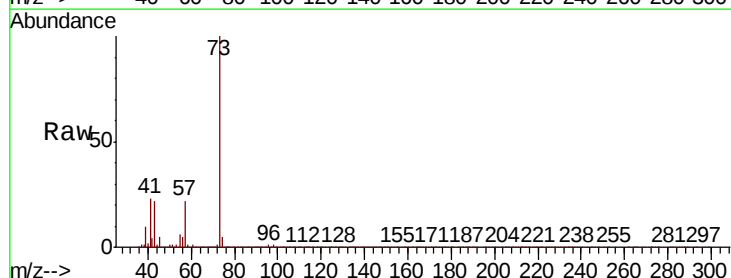
Acq: 12 Nov 2019 18:48

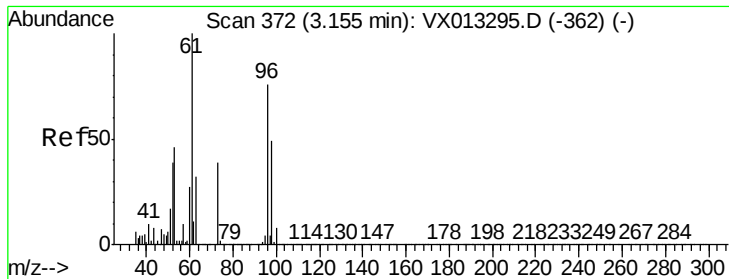
Tgt Ion: 73 Resp: 761528

Ion Ratio Lower Upper

73 100

57 21.9 17.1 25.7





#21

trans-1,2-Dichloroethene

Concen: 2.492 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :
MSVOA_X
ClientSampleId :

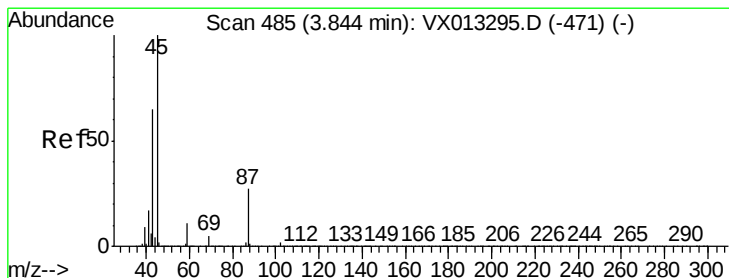
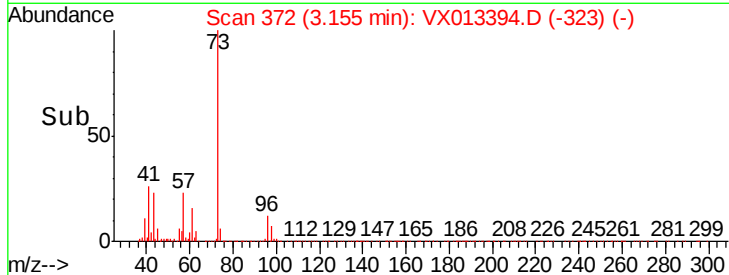
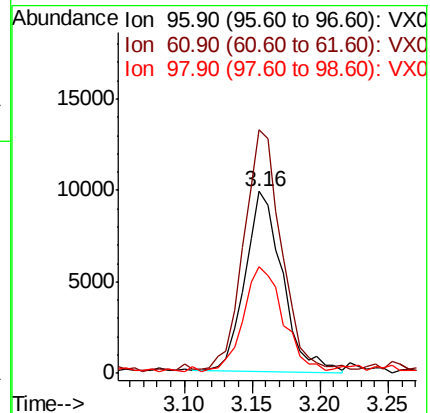
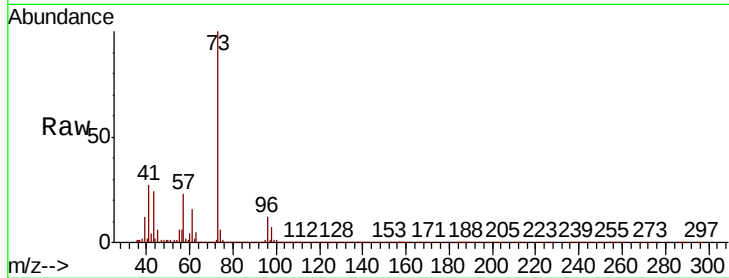
Tot Ion: 96 Resp: 19000

Ion Ratio Lower Upper

96 100

61 133.0 105.8 158.6

98 56.0 51.8 77.6



#22

Diisopropyl ether

Concen: 0.259 ug/l

RT: 3.85 min Scan# 486

Delta R.T. 0.01 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Tgt Ion: 45 Resp: 6360

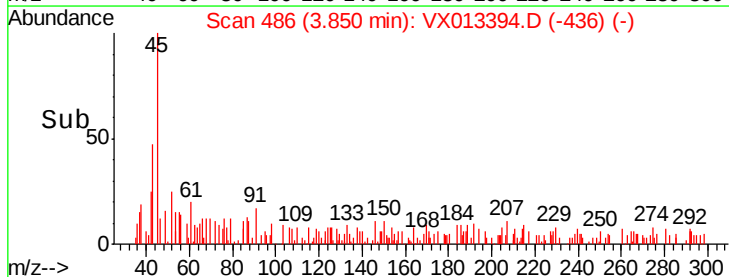
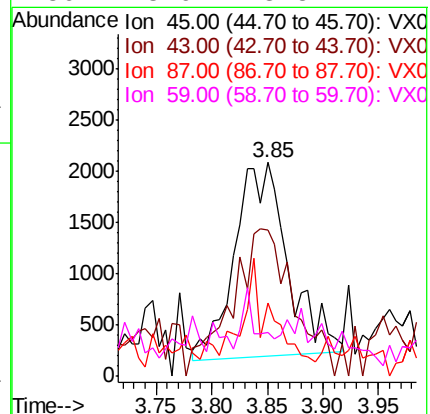
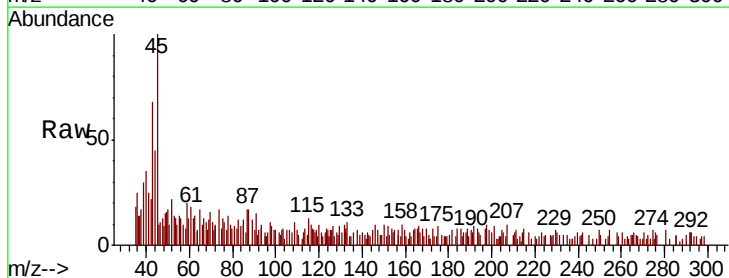
Ion Ratio Lower Upper

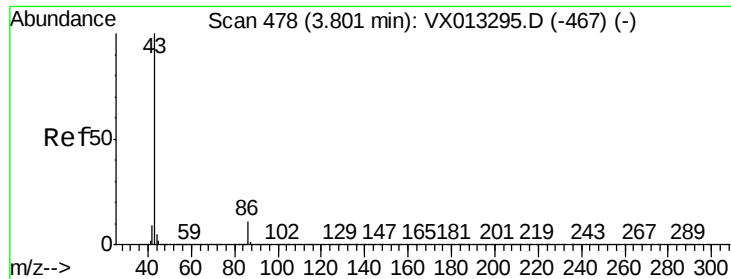
45 100

43 62.1 54.2 81.2

87 28.0 21.8 32.8

59 13.9 8.5 12.7#

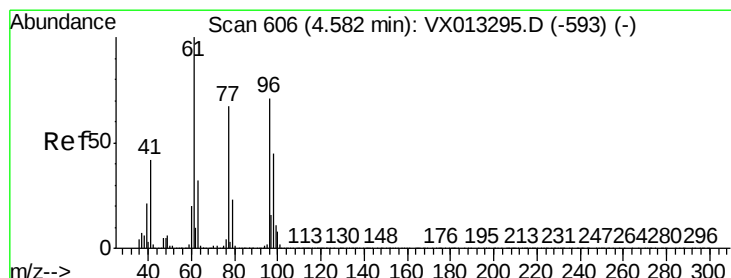
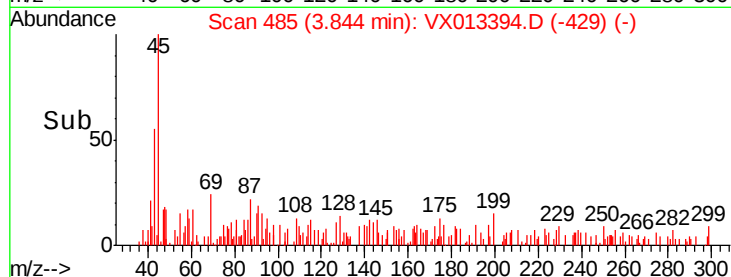
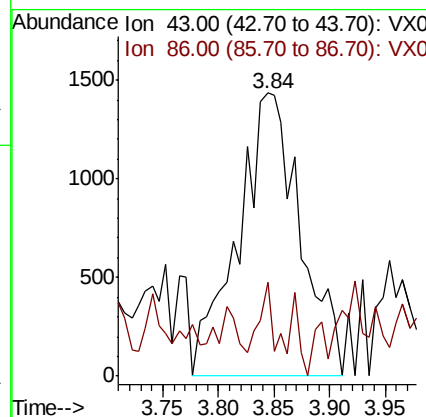
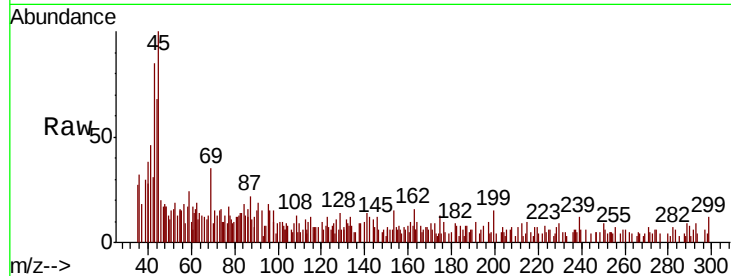




#23
 Vinyl Acetate
 Concen: 0.267 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.04 min
 Lab File: VX013394.D
 Acq: 12 Nov 2019 18:48

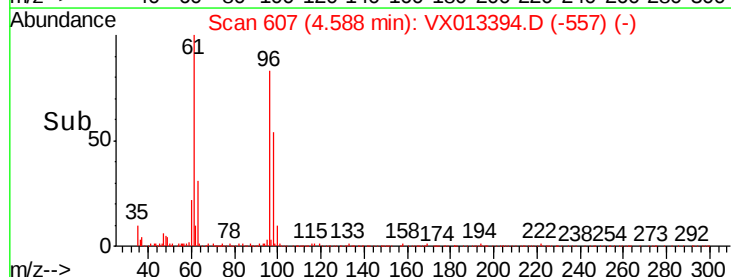
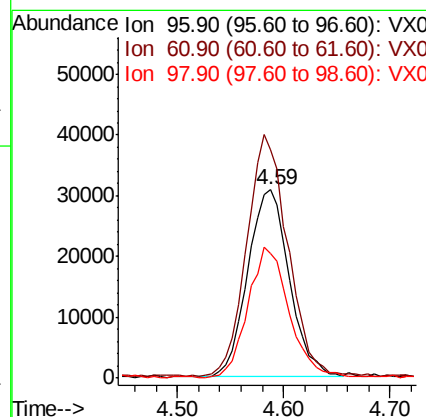
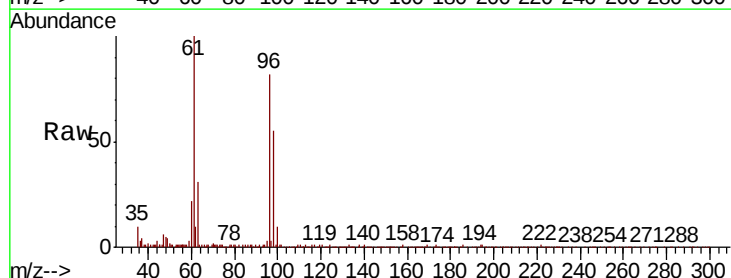
Instrument :
 MSVOA_X
 ClientSampleId :

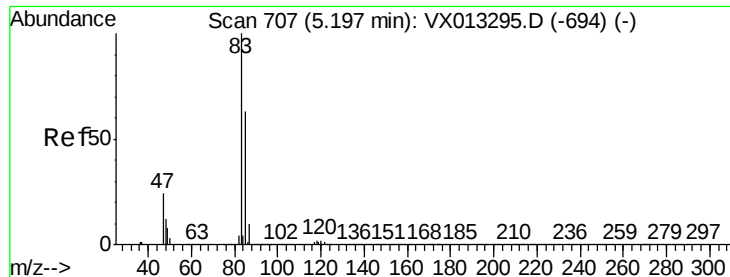
Tot Ion: 43 Resp: 5610
 Ion Ratio Lower Upper
 43 100
 86 14.6 8.6 13.0#



#27
 cis-1,2-Dichloroethene
 Concen: 9.879 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013394.D
 Acq: 12 Nov 2019 18:48

Tgt Ion: 96 Resp: 84379
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 288.0
 98 68.4 0.0 129.6

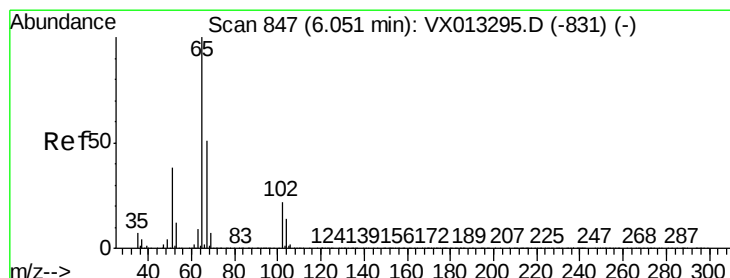
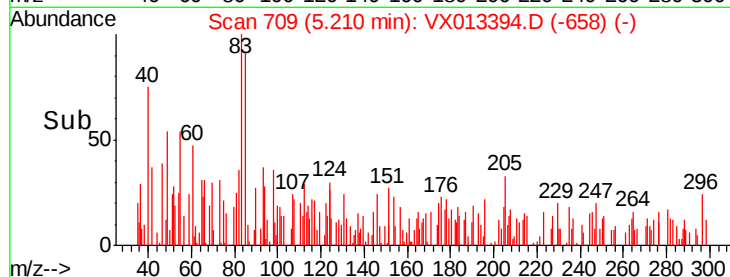
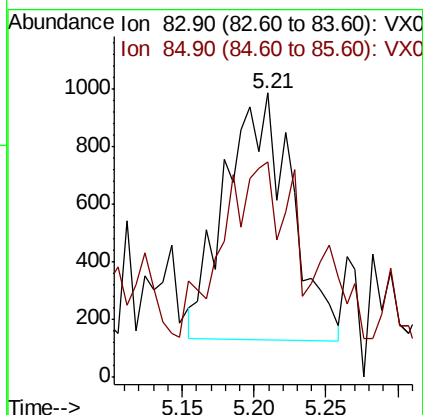
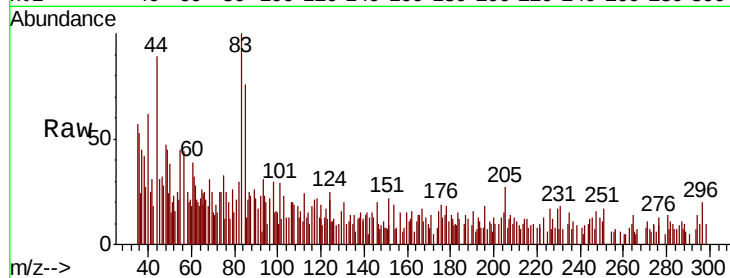




#30
Chloroform
Concen: 0.201 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

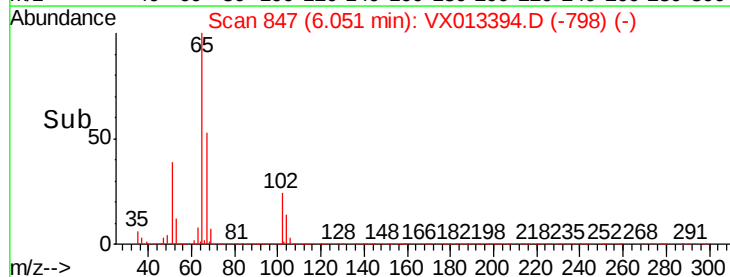
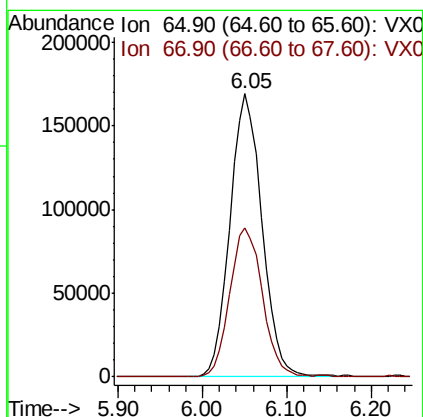
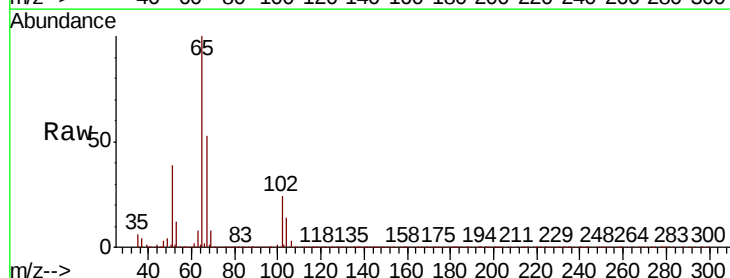
Instrument :
MSVOA_X
ClientSampled :

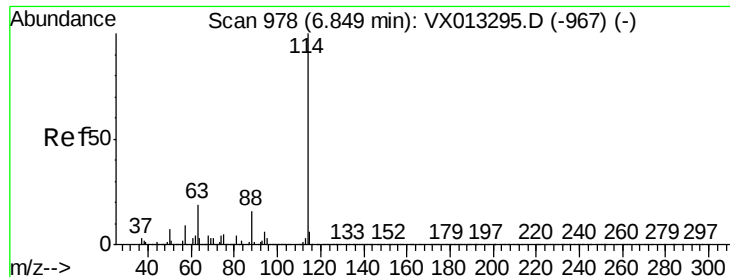
Tot Ion: 83 Resp: 2733
Ion Ratio Lower Upper
83 100
85 50.9 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 47.811 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

Tgt Ion: 65 Resp: 432400
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

ClientSampleId :

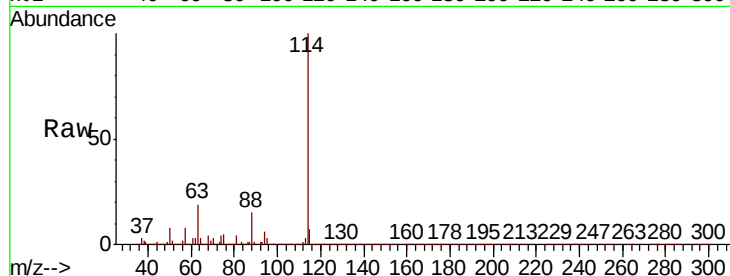
Tot Ion:114 Resp: 1210887

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

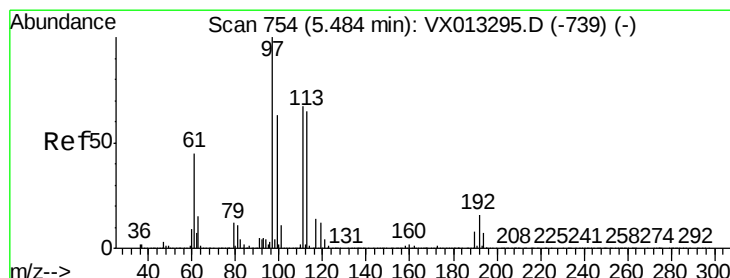
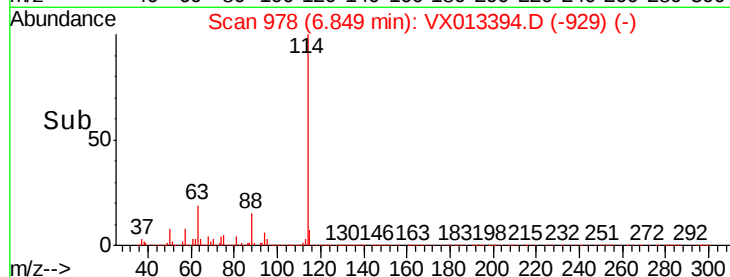
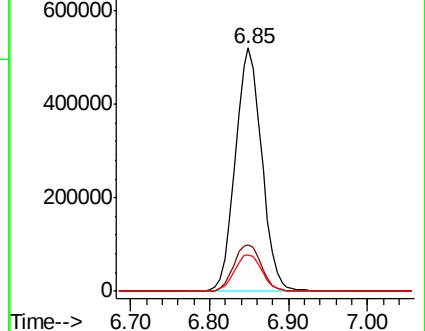
88 15.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.934 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

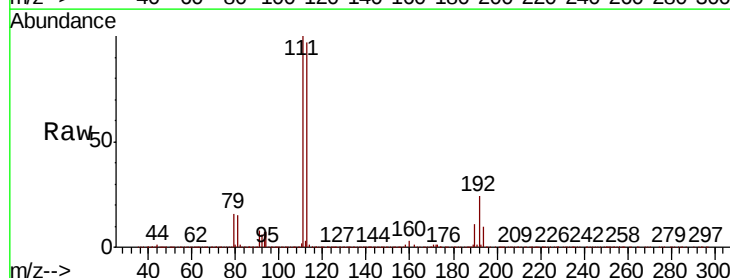
Tgt Ion:113 Resp: 371642

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

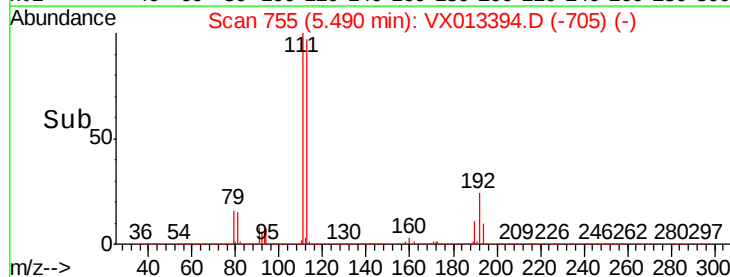
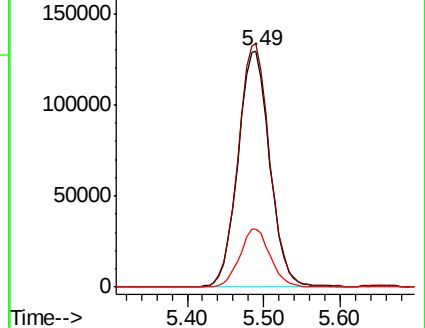
192 24.1 19.1 28.7

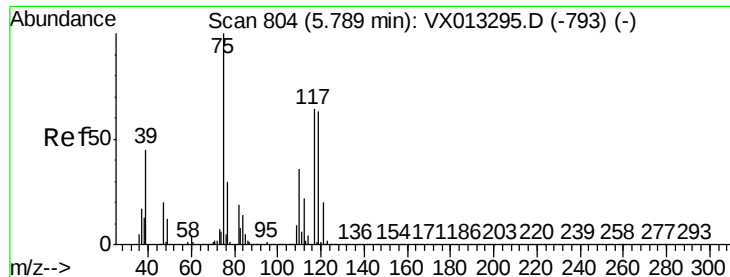


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.159 ug/l

RT: 5.65 min Scan# 781

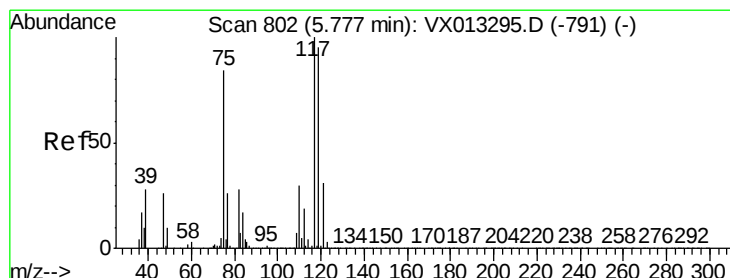
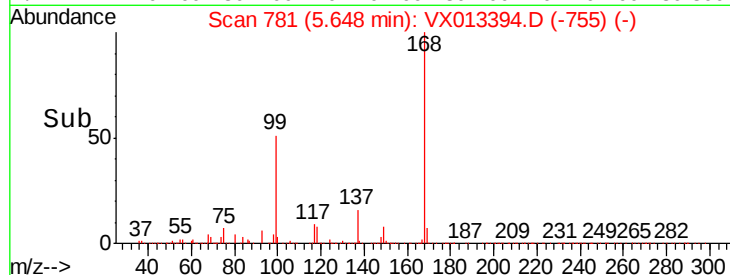
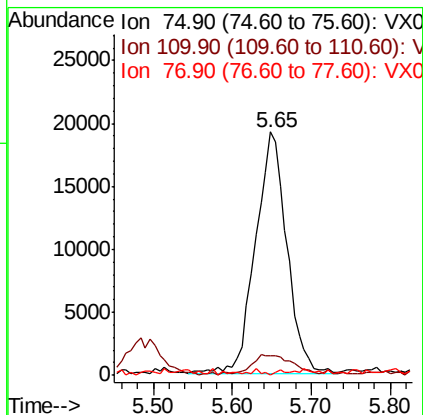
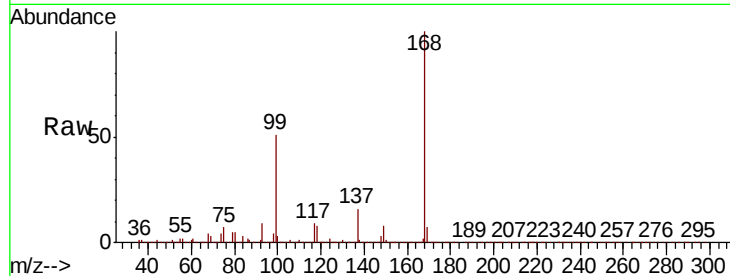
Delta R.T. -0.14 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	75	Resp:	53589
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.8	25.0	37.4#



#38

Carbon Tetrachloride

Concen: 6.626 ug/l

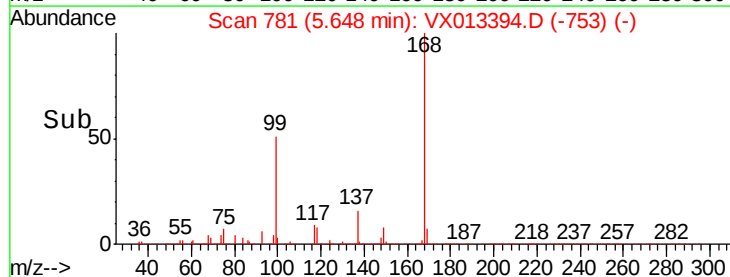
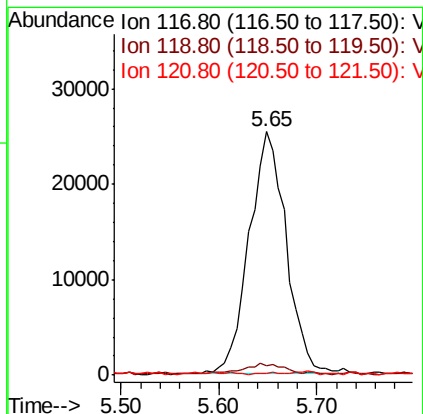
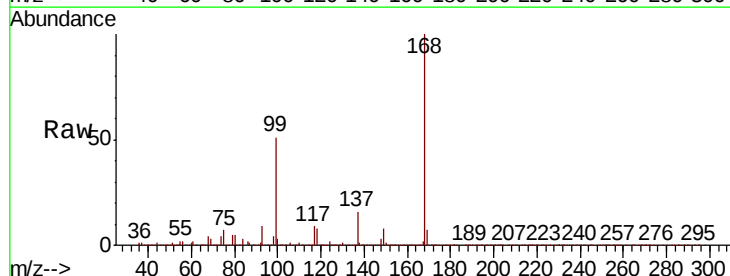
RT: 5.65 min Scan# 781

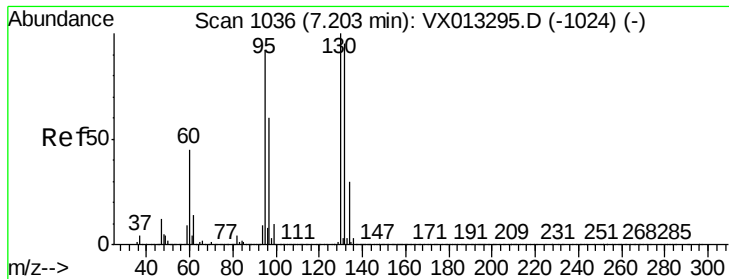
Delta R.T. -0.13 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Tgt Ion:	117	Resp:	67309
Ion	Ratio	Lower	Upper
117	100		
119	3.3	76.1	114.1#
121	0.2	24.6	37.0#





#44

Trichloroethene

Concen: 19.345 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

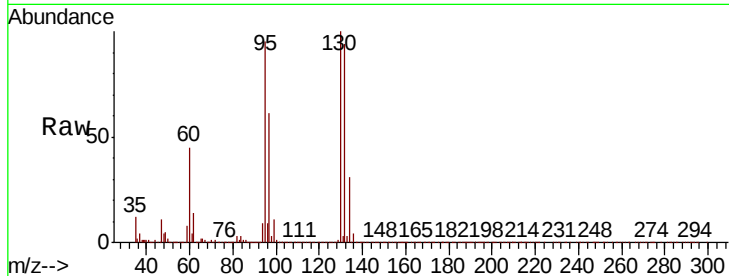
ClientSampled :

Tot Ion:130 Resp: 172305

Ion Ratio Lower Upper

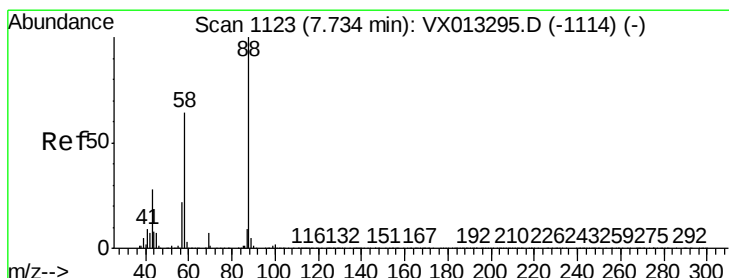
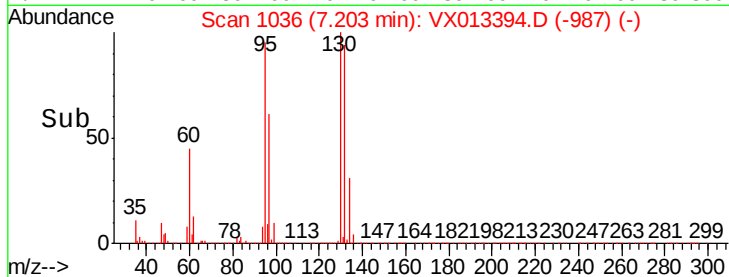
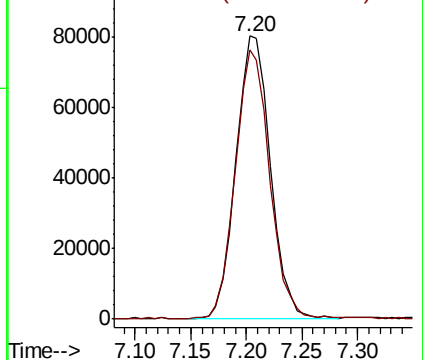
130 100

95 95.0 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1.326 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

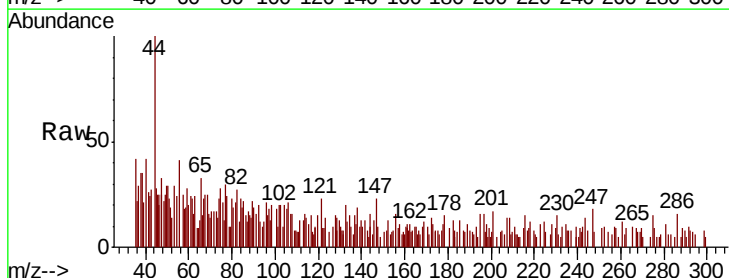
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

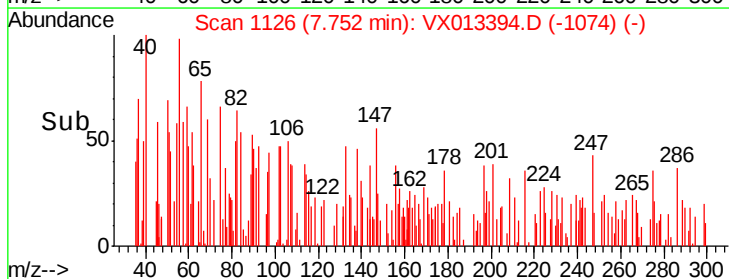
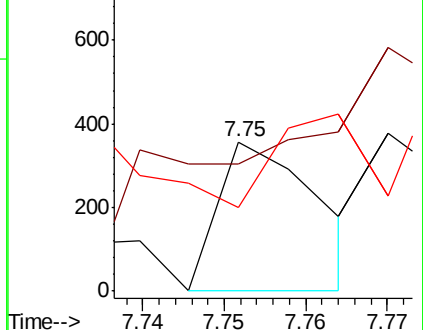
58 94.7 55.0 82.6#

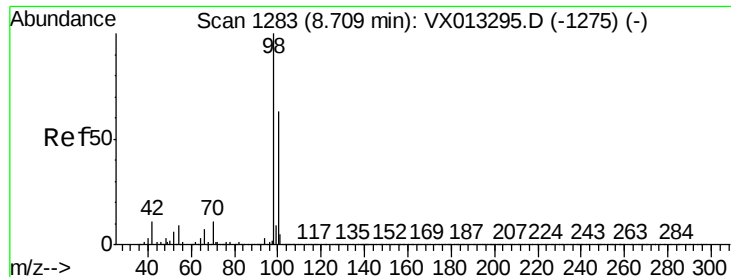


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.618 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

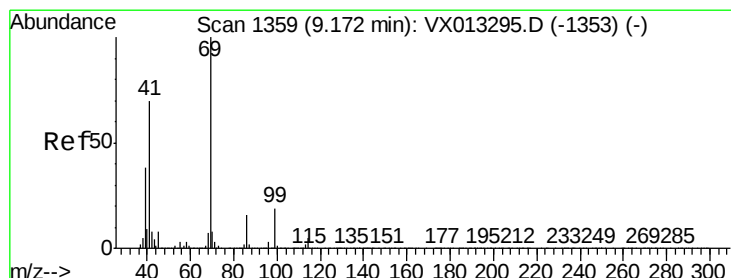
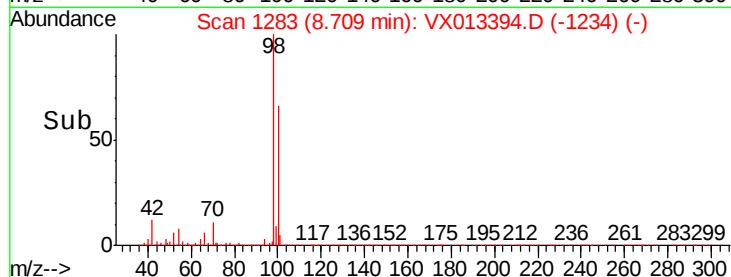
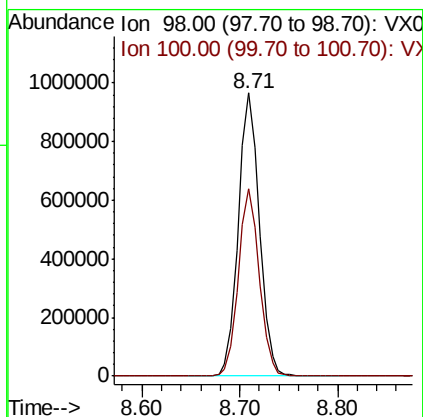
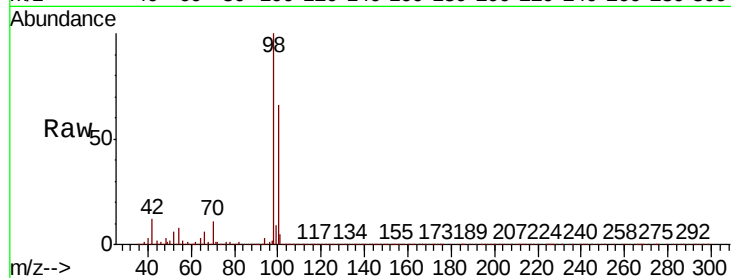
ClientSampled :

Tot Ion: 98 Resp: 1449278

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.580 ug/l

RT: 9.18 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

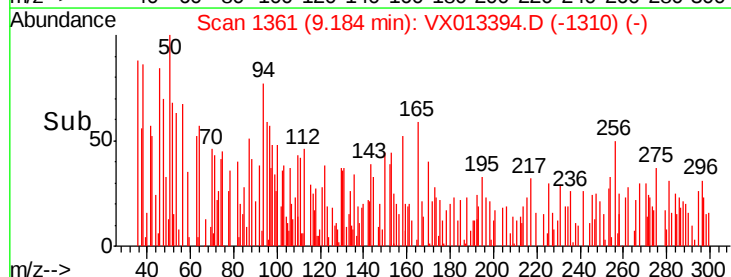
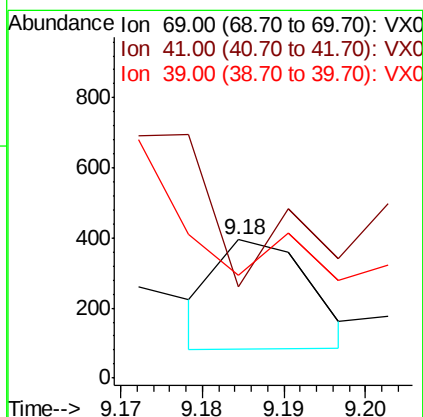
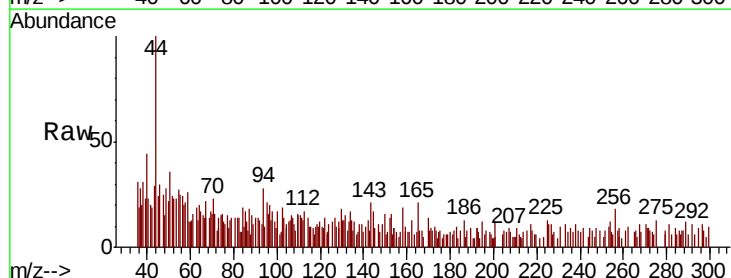
Tgt Ion: 69 Resp: 244

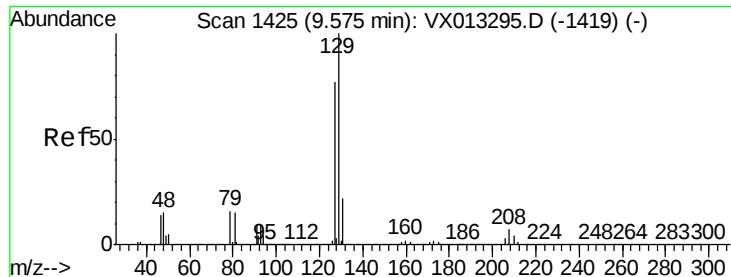
Ion Ratio Lower Upper

69 100

41 414.8 56.2 84.2#

39 294.7 31.1 46.7#

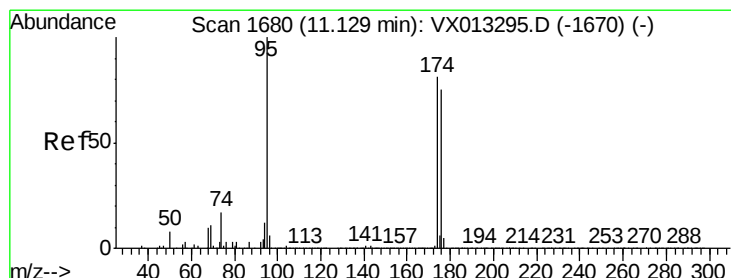
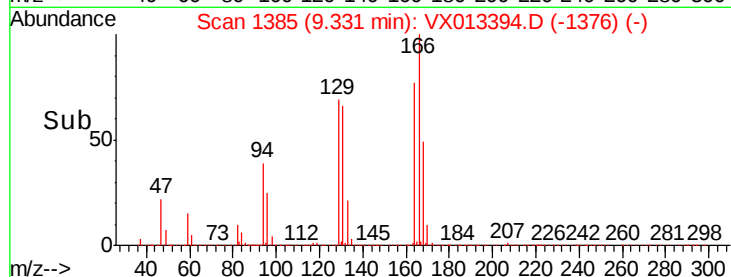
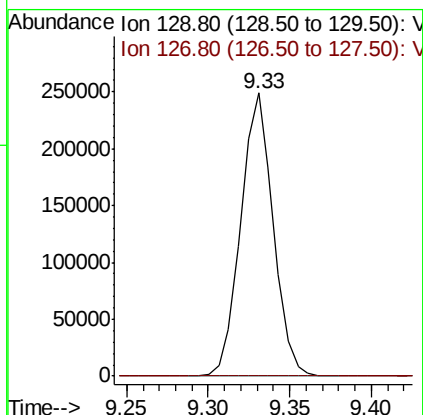
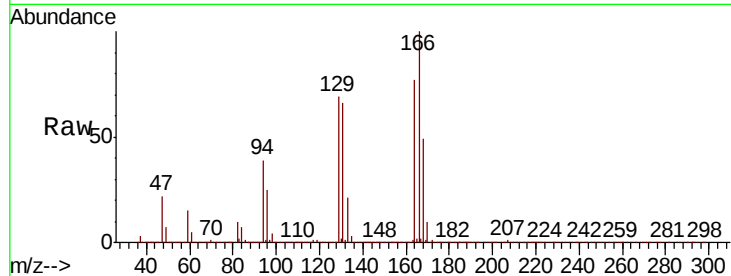




#60
 Dibromochloromethane
 Concen: 40.492 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. -0.24 min
 Lab File: VX013394.D
 Acq: 12 Nov 2019 18:48

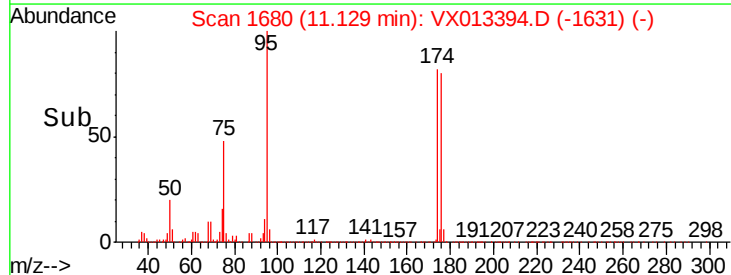
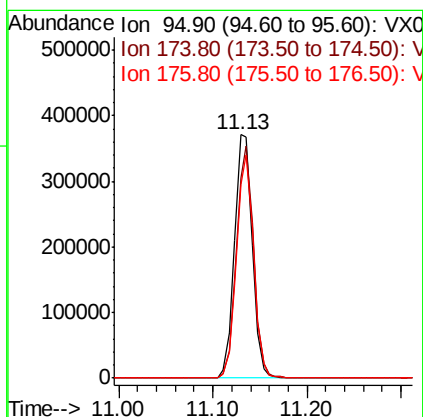
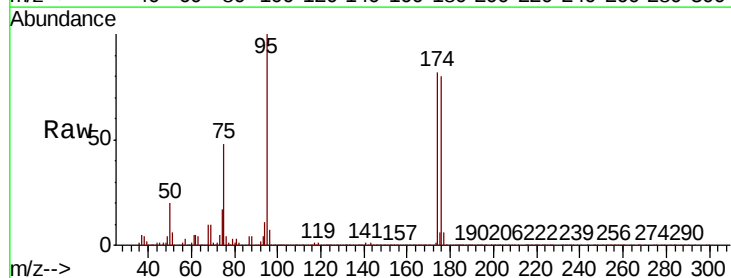
Instrument :
 MSVOA_X
 ClientSampleId :

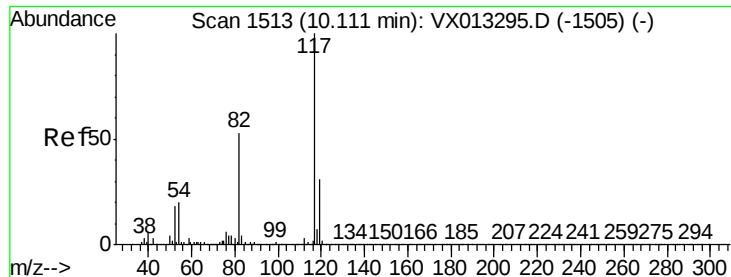
Tot Ion:129 Resp: 344245
 Ion Ratio Lower Upper
 129 100
 127 0.1 39.1 117.2#



#62
 4-Bromofluorobenzene
 Concen: 47.016 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX013394.D
 Acq: 12 Nov 2019 18:48

Tgt Ion: 95 Resp: 485833
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 179.8
 176 88.4 0.0 173.0

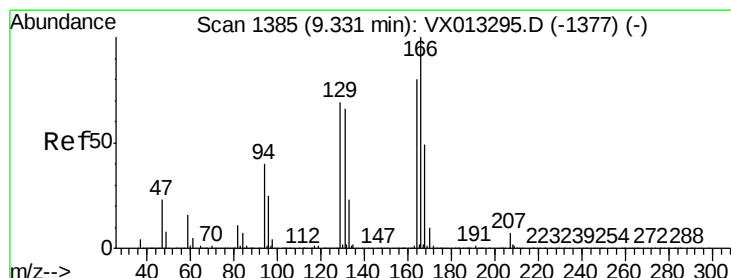
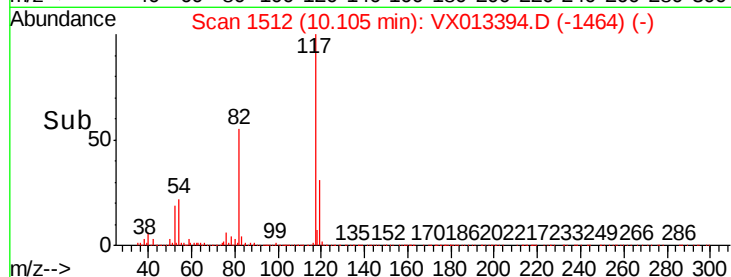
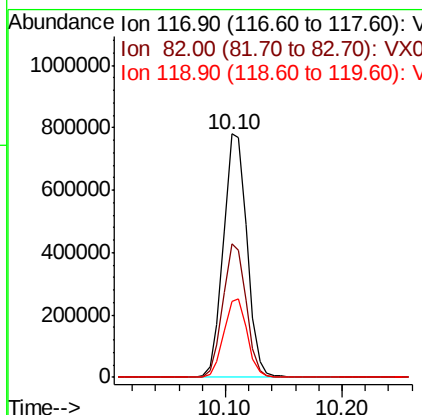
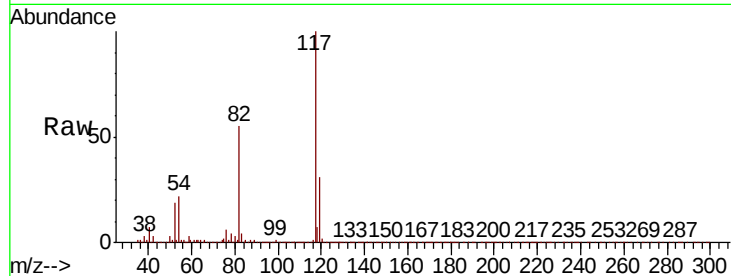




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

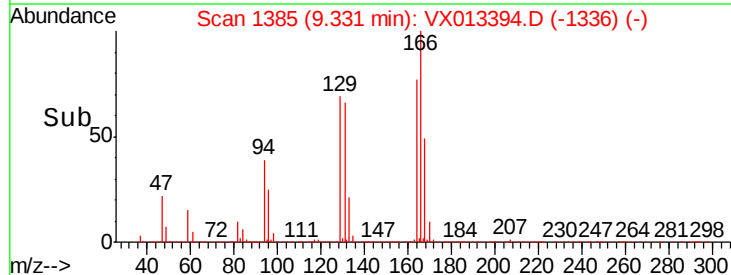
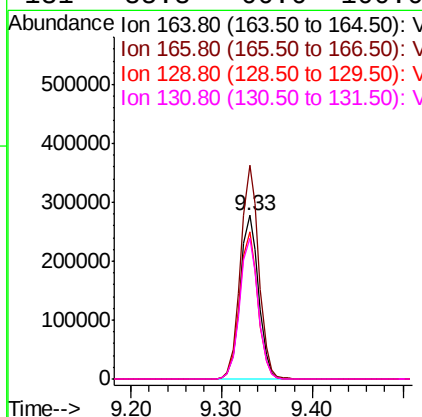
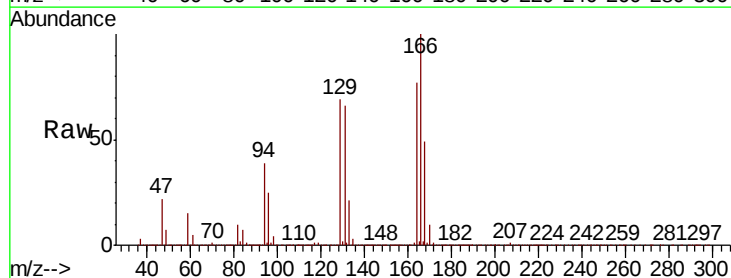
Instrument :
MSVOA_X
ClientSampled :

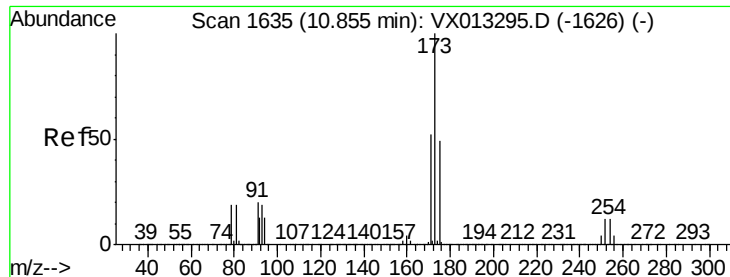
Tot Ion:117 Resp: 1092068
Ion Ratio Lower Upper
117 100
82 54.9 42.6 64.0
119 31.4 24.8 37.2



#64
Tetrachloroethene
Concen: 49.959 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

Tgt Ion:164 Resp: 390567
Ion Ratio Lower Upper
164 100
166 130.3 100.4 150.6
129 89.5 69.4 104.2
131 85.8 66.6 100.0





#71

Bromoform

Concen: 3.238 ug/l

RT: 10.84 min Scan# 1632

Delta R.T. -0.02 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

ClientSampled :

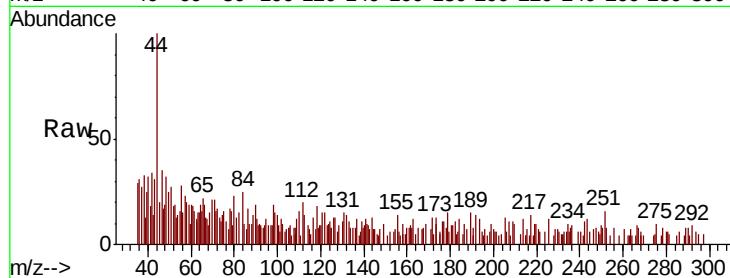
Tot Ion:173 Resp: 285

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

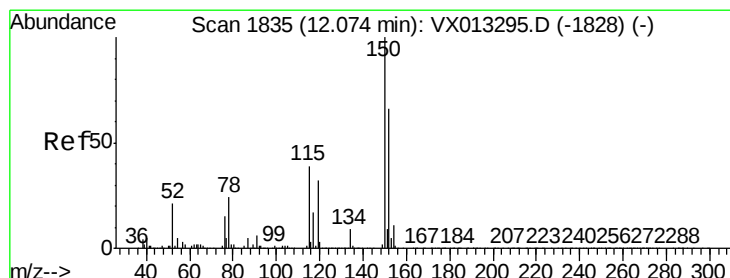
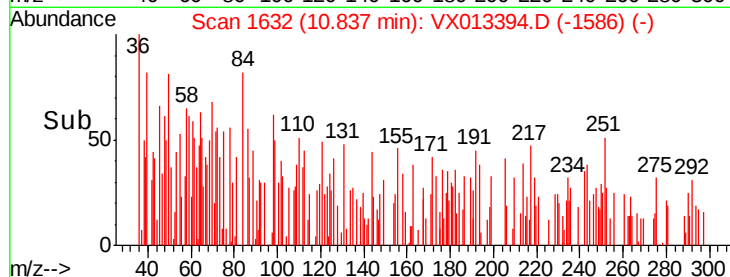
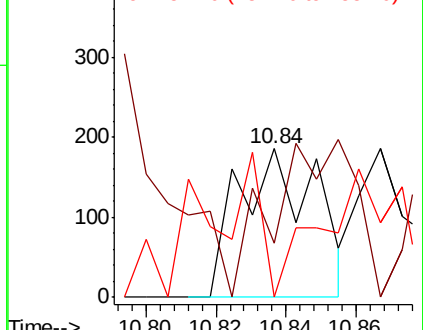
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013394.D

Acq: 12 Nov 2019 18:48

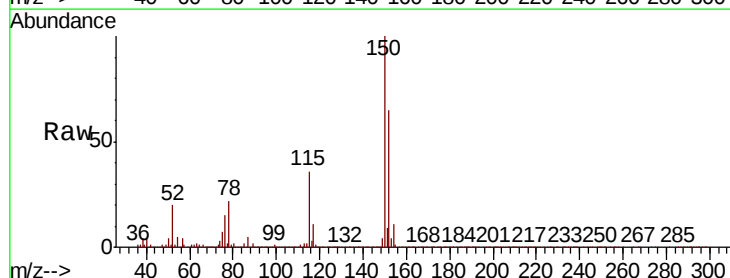
Tgt Ion:152 Resp: 496071

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

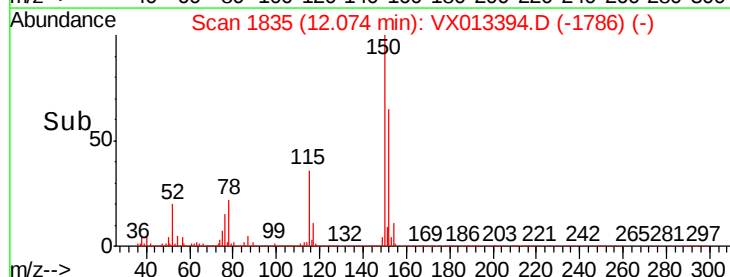
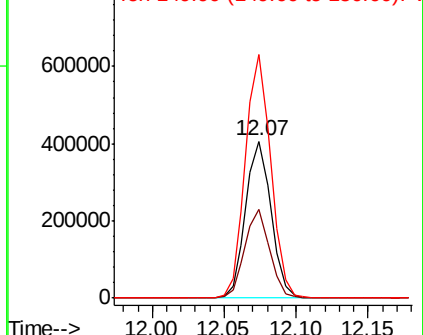
150 155.0 0.0 344.4

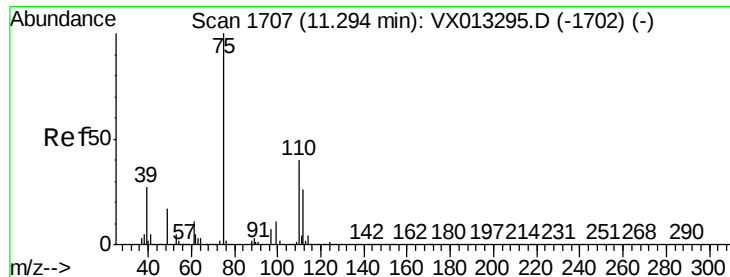


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.663 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_X

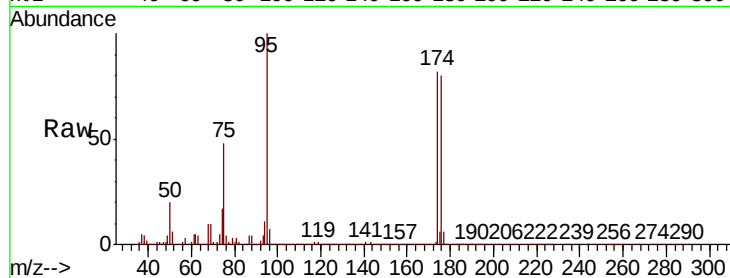
ClientSampleId :

Tot Ion: 75 Resp: 238420

Ion Ratio Lower Upper

75 100

77 1.3 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

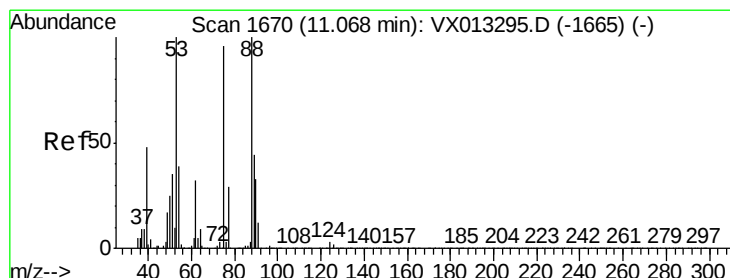
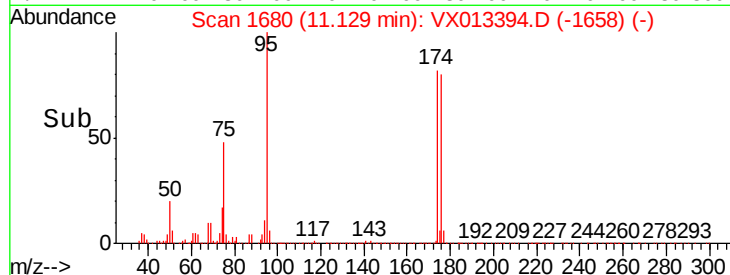
150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 60.907 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

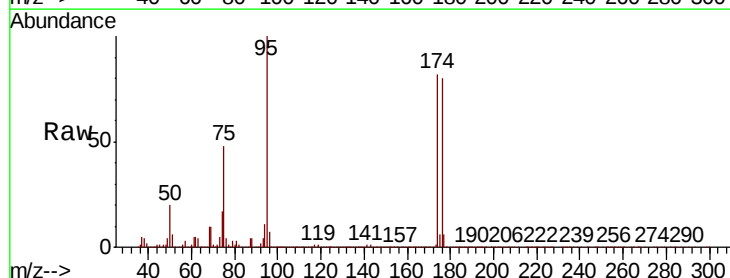
Tgt Ion: 75 Resp: 238420

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 36.0 54.0#



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

250000

200000

150000

100000

50000

0

Time--> 11.05 11.10 11.15 11.20

