

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 :
 MW-315-SRI4

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%	

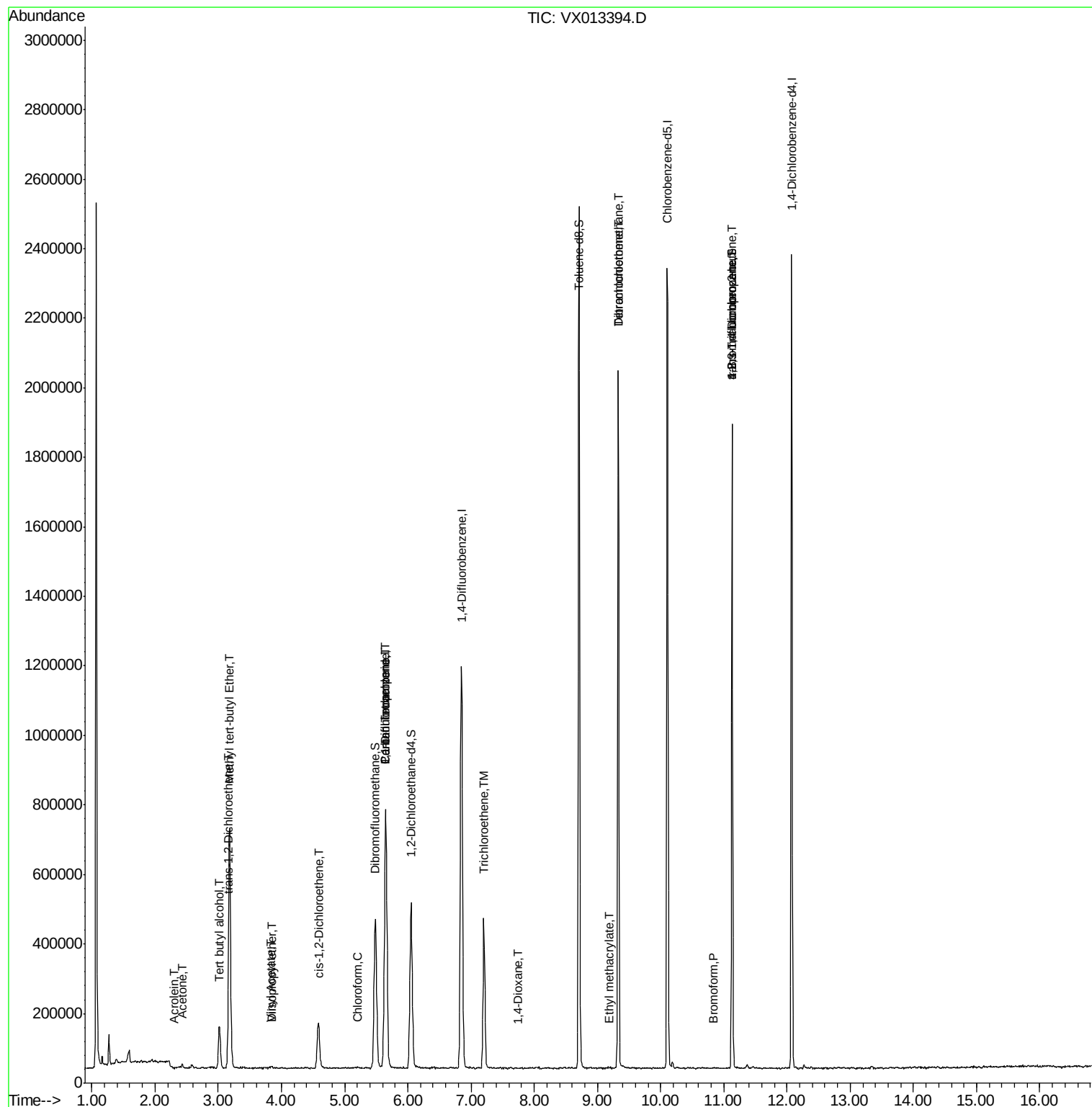
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	942	Below Cal		# 44
11) Tert butyl alcohol	3.01	59	146809	61.588	ug/l	99
13) Acrolein	2.30	56	461	0.357	ug/l	# 42
16) Acetone	2.43	43	11912	2.641	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	761528	32.606	ug/l	99
21) trans-1,2-Dichloroethene	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

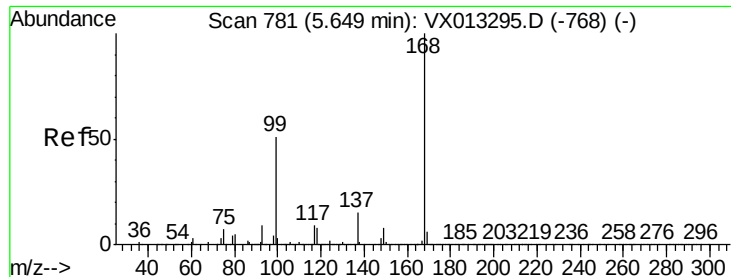
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

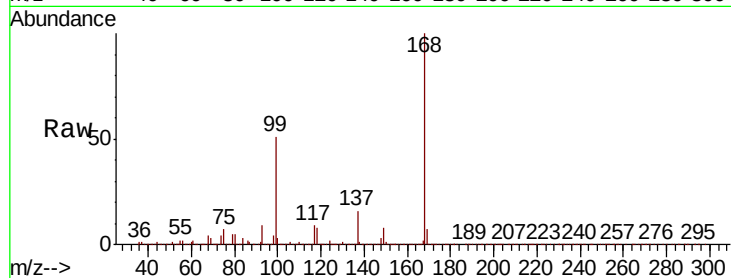
MW-315-SRI4

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

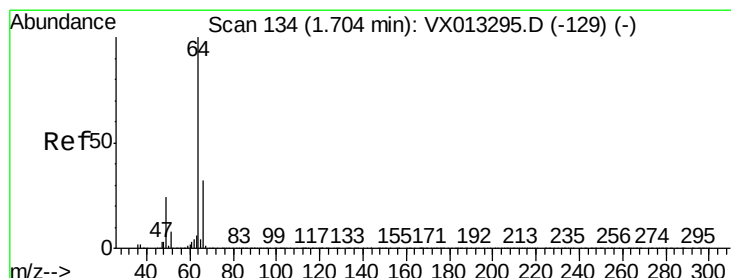
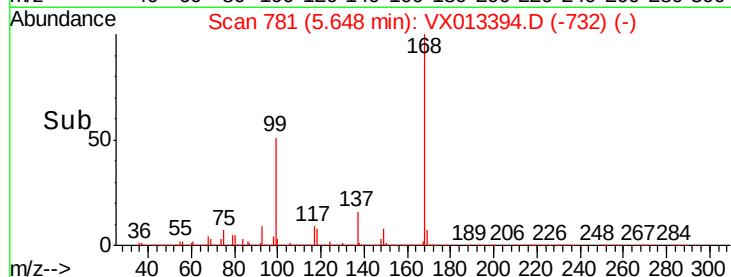
150000

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

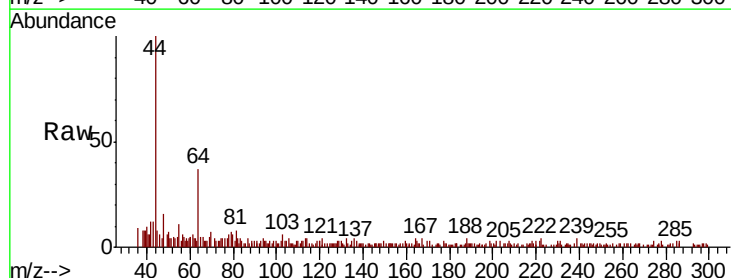
Acq: 12 Nov 2019 18:48

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

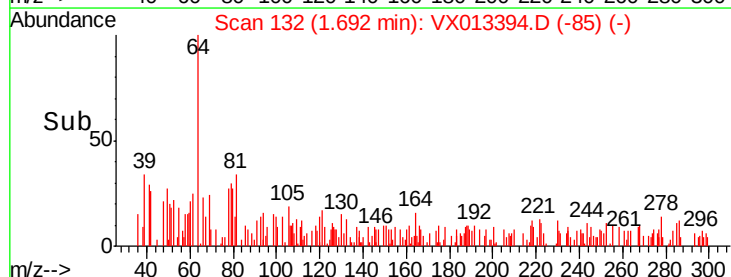
1500

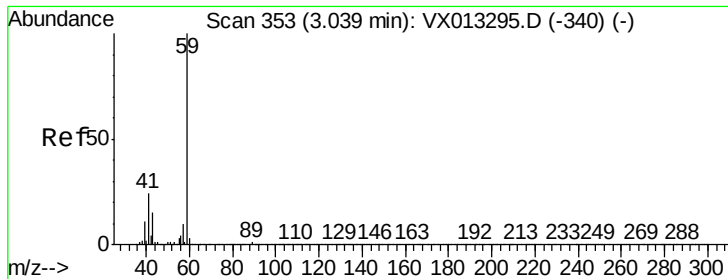
1000

500

0

Time-->



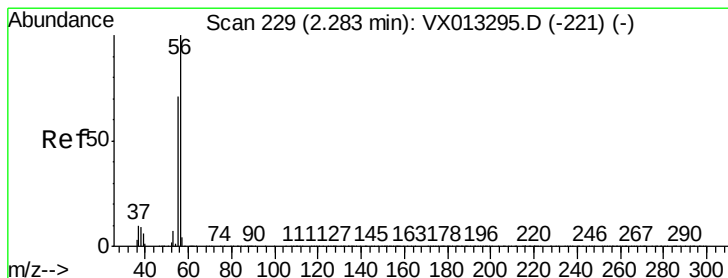
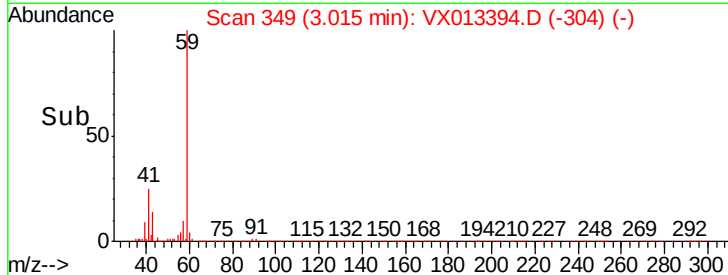
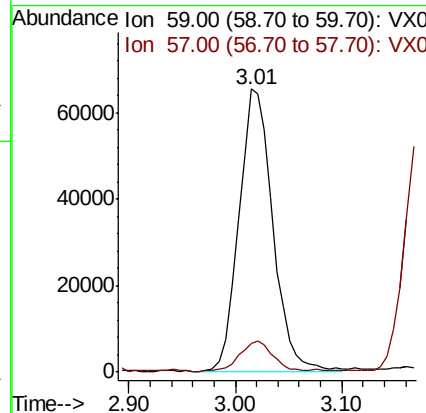
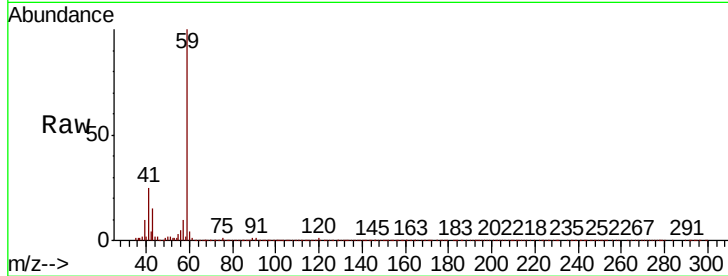


#11

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 :
 MW-315-SRI4

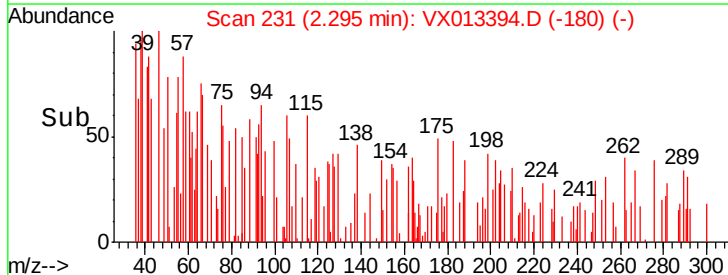
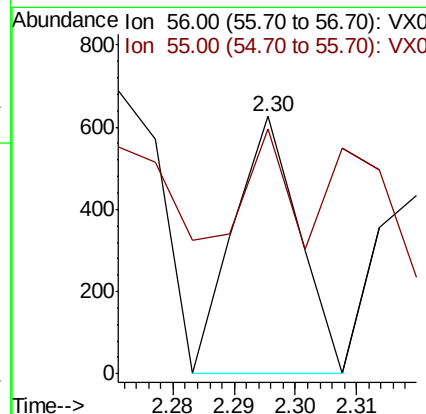
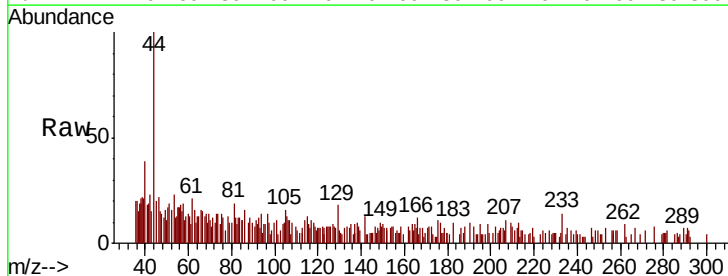
Tot Ion: 59 Resp: 146809
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.0 12.0

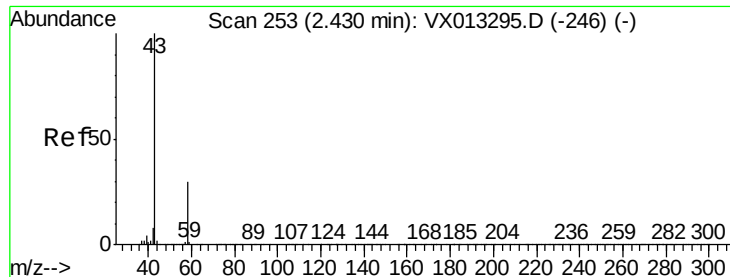


#13

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 :

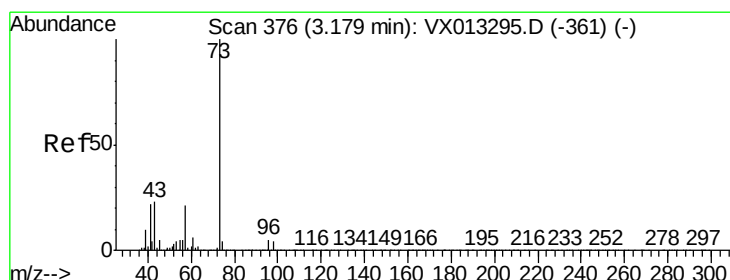
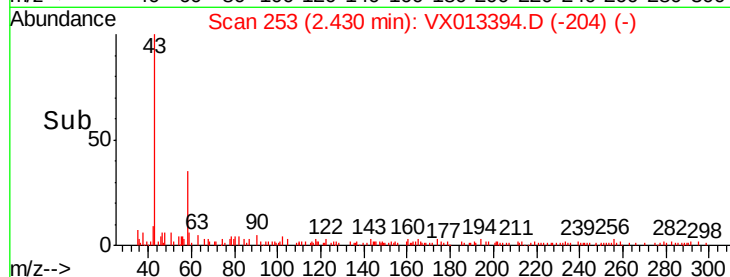
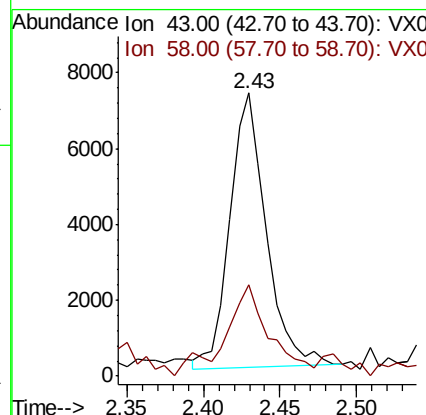
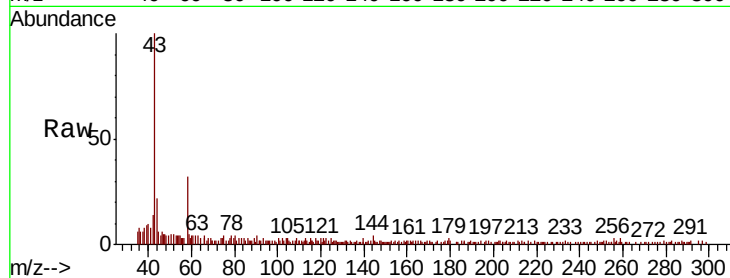
MW-315-SRI4

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

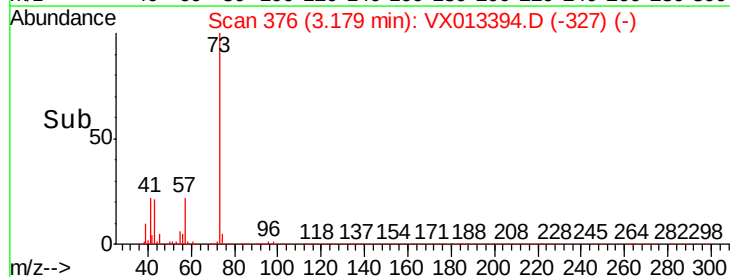
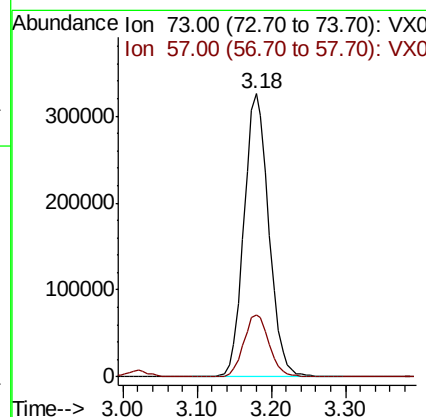
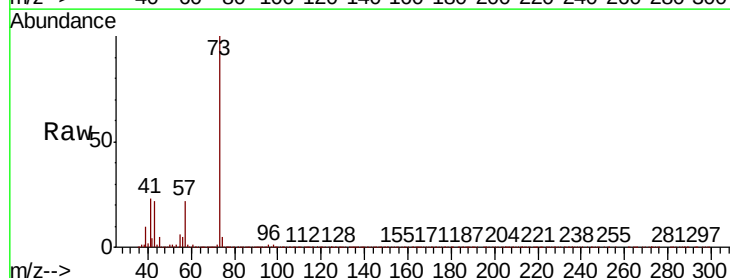
Acq: 12 Nov 2019 18:48

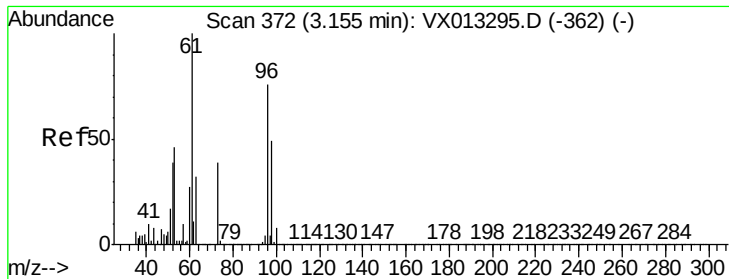
Tgt Ion: 73 Resp: 761528

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 :

MW-315-SRI4

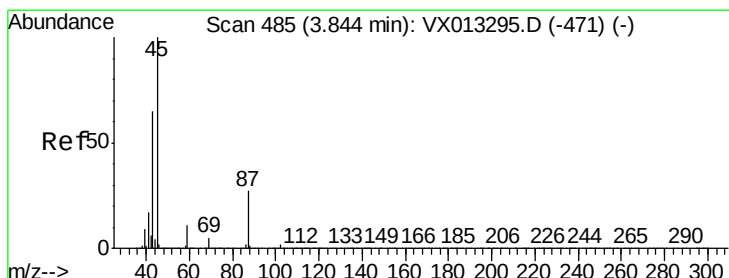
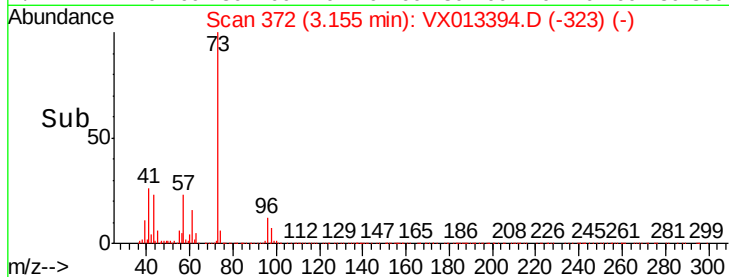
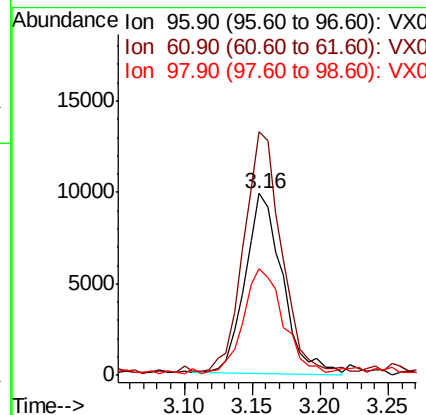
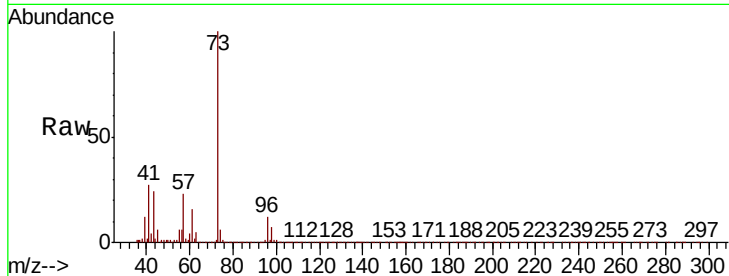
Tot Ion: 96 Resp: 19000

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

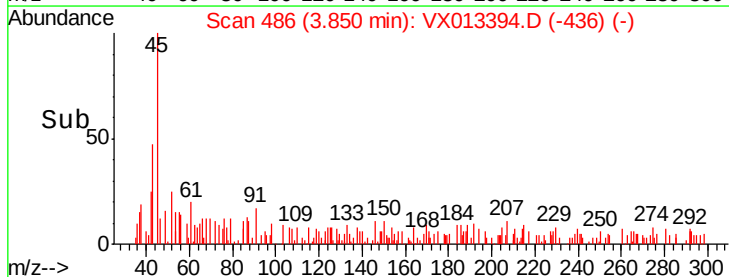
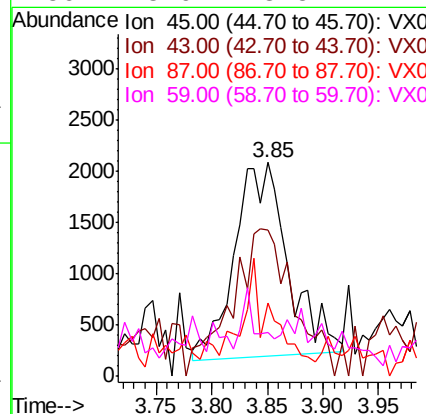
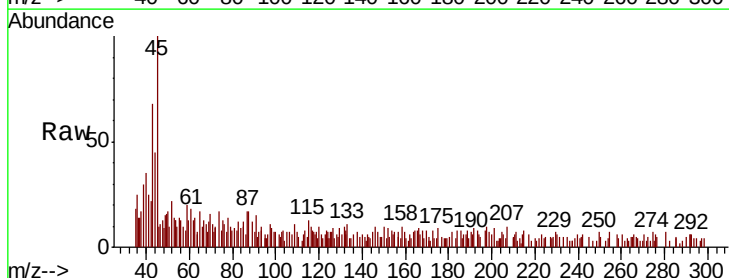
Ion Ratio Lower Upper

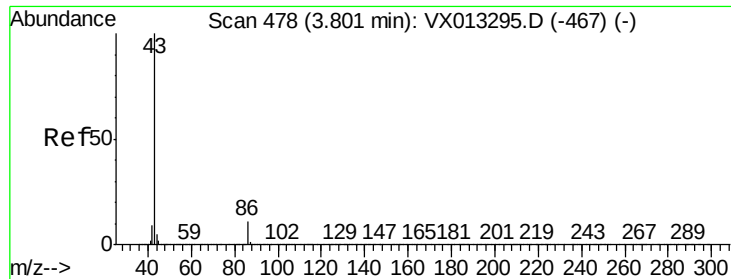
45 100

43 62.1 54.2 81.2

87 28.0 21.8 32.8

59 13.9 8.5 12.7#

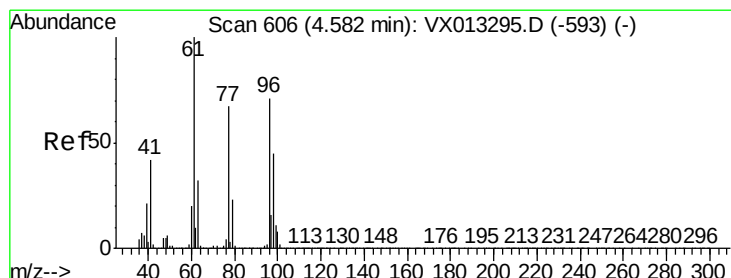
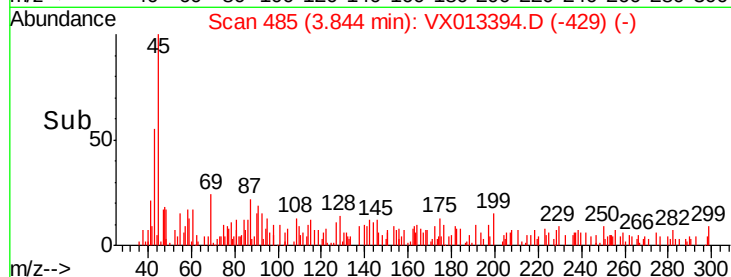
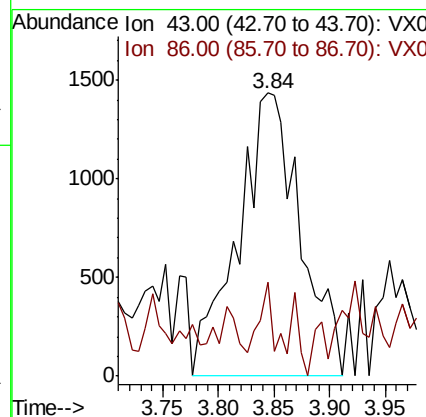
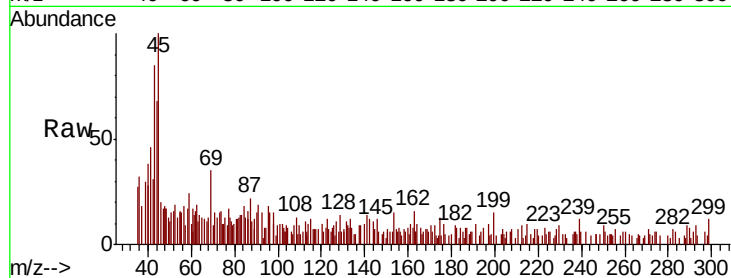




#23
 Vinyl Acetate
 Concen: 0.267 ug/l
 RT: 3.84 min Scan# 485
 Delta R.T. 0.04 min
 Lab File: VX013394.D
 Acq: 12 Nov 2019 18:48

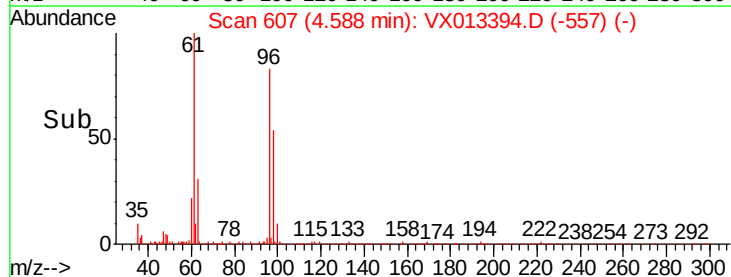
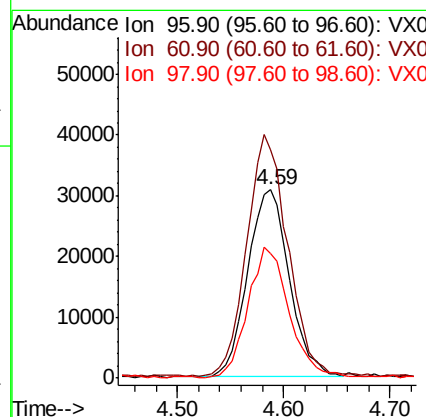
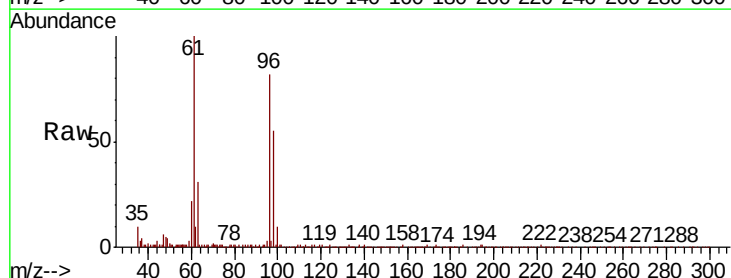
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-315-SRI4

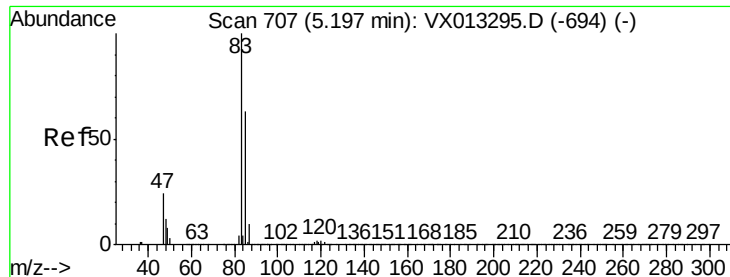
Tot Ion: 43 Resp: 5610
 Ion Ratio Lower Upper
 43 100
 86 14.6 8.6 13.0#



#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

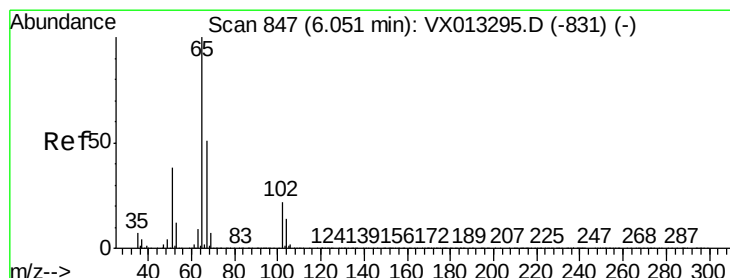
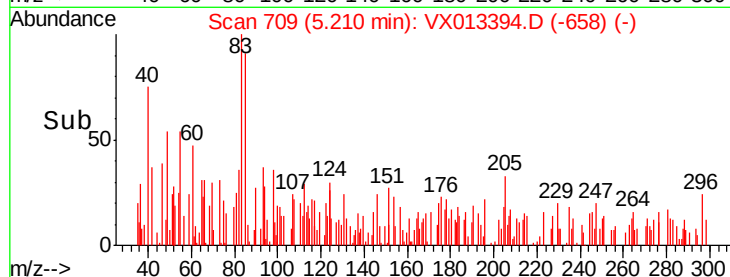
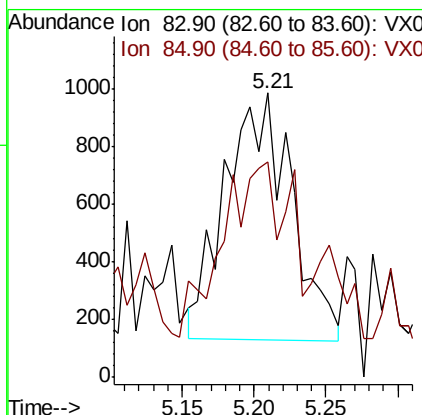
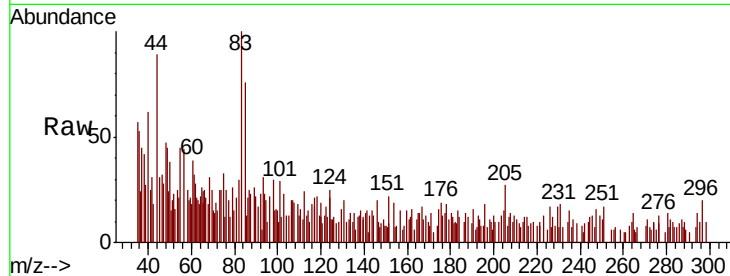




#30
Chloroform
Concen: 0.201 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

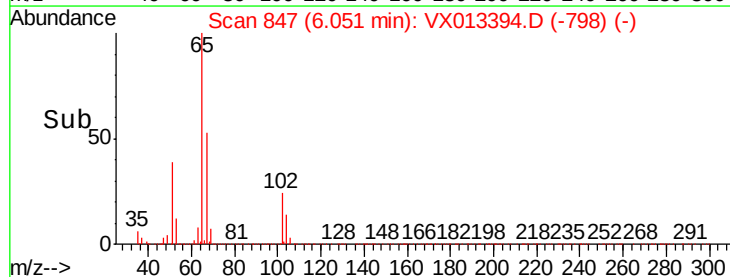
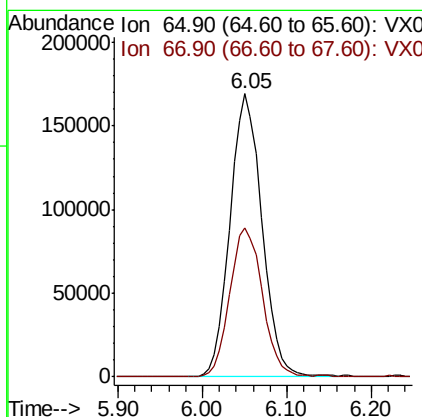
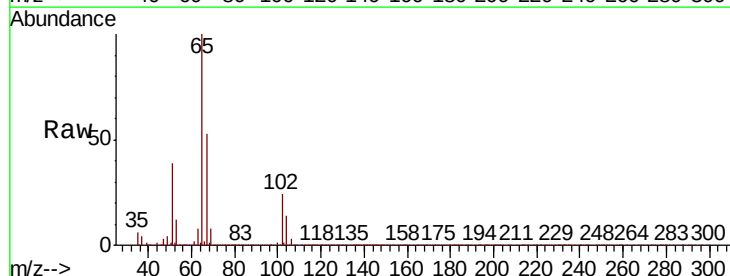
Instrument :
MSVOA_X
ClientSampled :
MW-315-SRI4

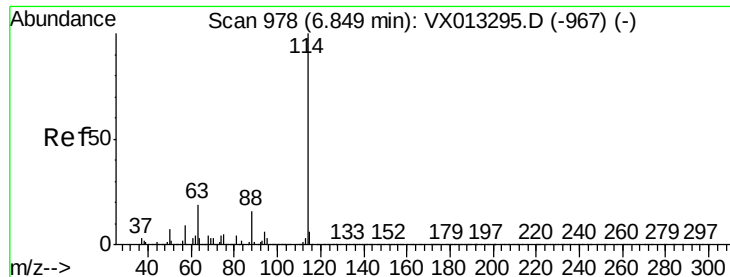
Tot Ion: 83 Resp: 2733
Ion Ratio Lower Upper
83 100
85 50.9 50.2 75.4



#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 :

MW-315-SRI4

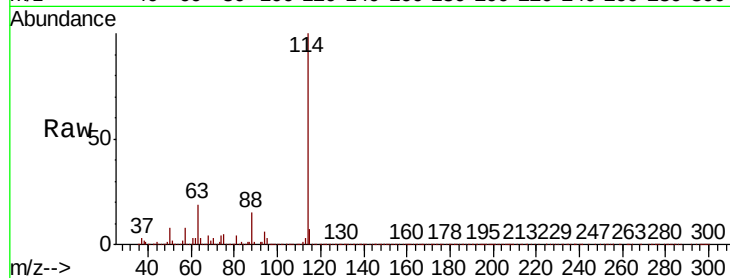
Tot Ion:114 Resp: 1210887

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.4
88	15.0	0.0	32.2

114 100

63 19.3 0.0 38.4

88 15.0 0.0 32.2



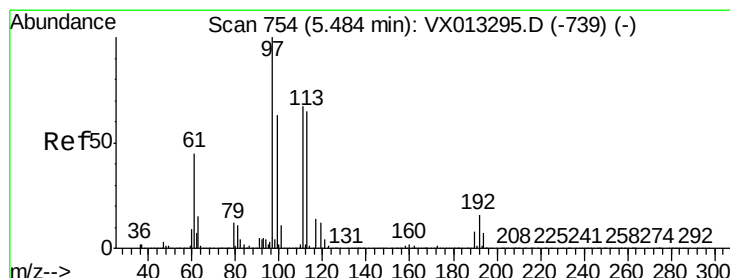
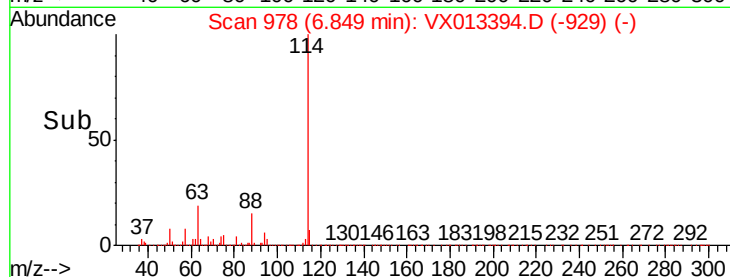
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

Time-->



#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

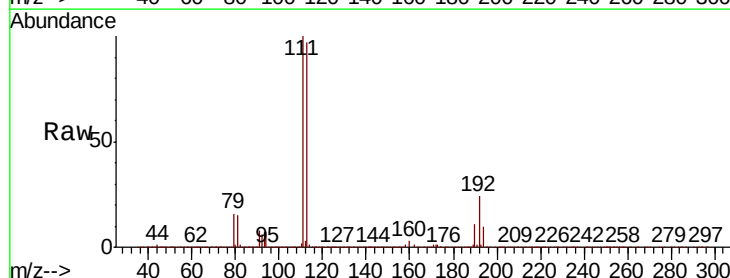
Tgt Ion:113 Resp: 371642

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	24.1	19.1	28.7

113 100

111 102.7 81.9 122.9

192 24.1 19.1 28.7



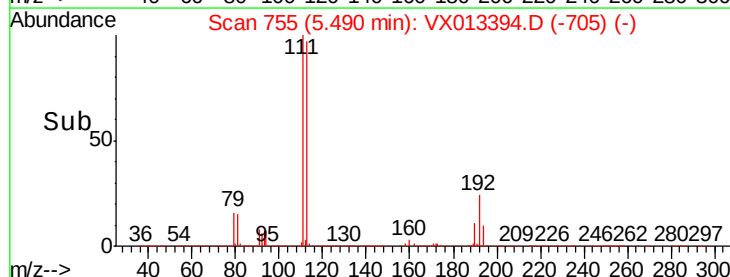
Abundance Ion 112.80 (112.50 to 113.50): V

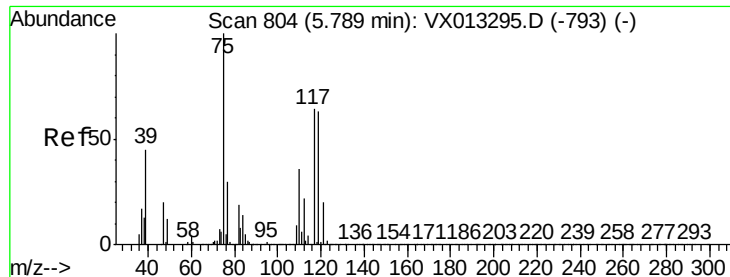
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.49

Time-->





#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

ClientSampleId :

MW-315-SRI4

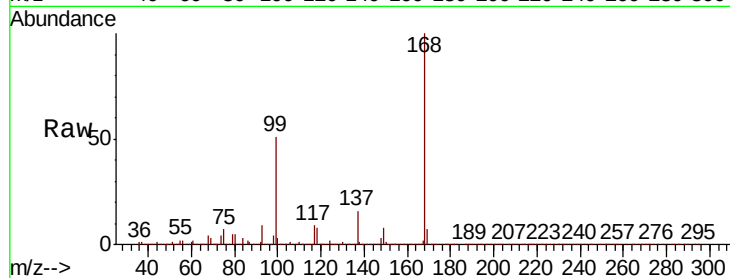
Tot Ion: 75 Resp: 53589

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

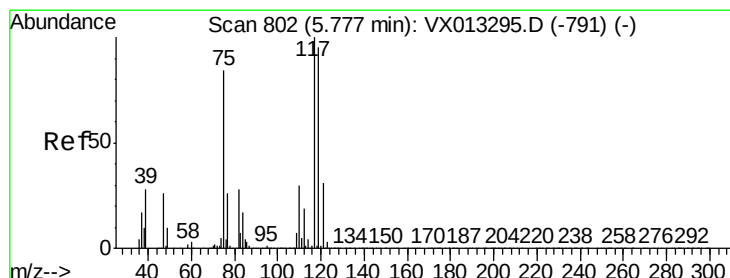
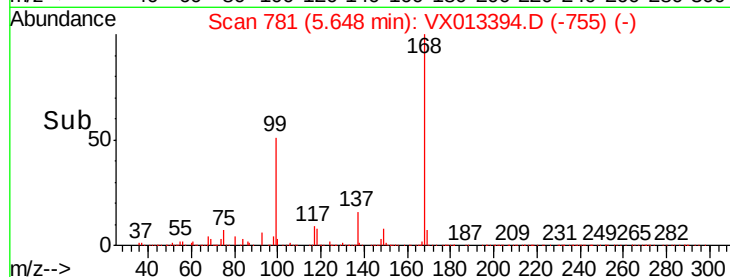
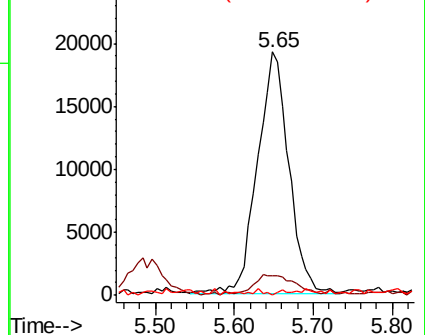
77 0.8 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.626 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013394.D

Acq: 12 Nov 2019 18:48

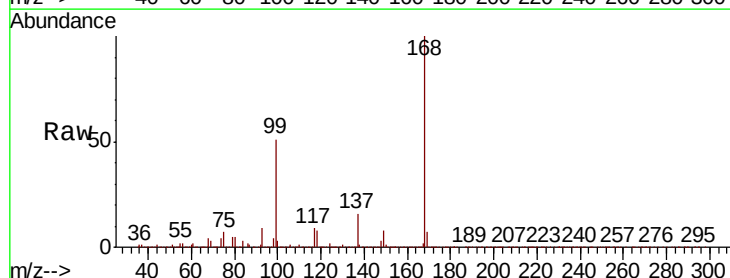
Tgt Ion: 117 Resp: 67309

Ion Ratio Lower Upper

117 100

119 3.3 76.1 114.1#

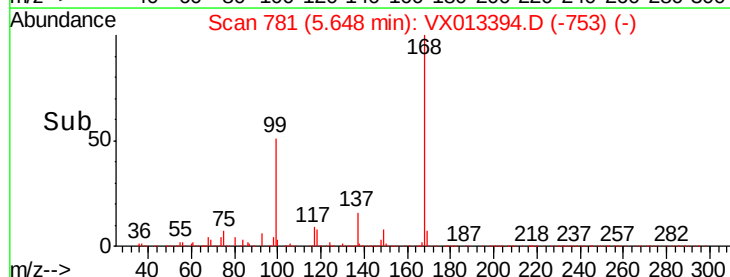
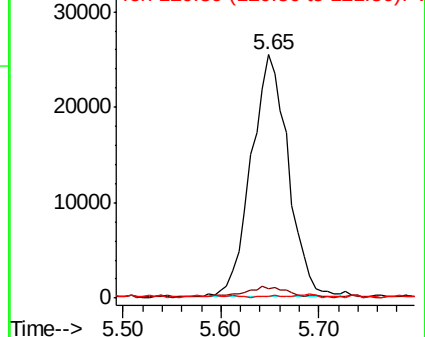
121 0.2 24.6 37.0#

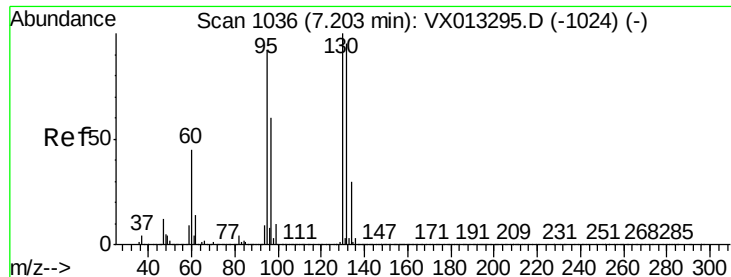


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#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

ClientSampleId :

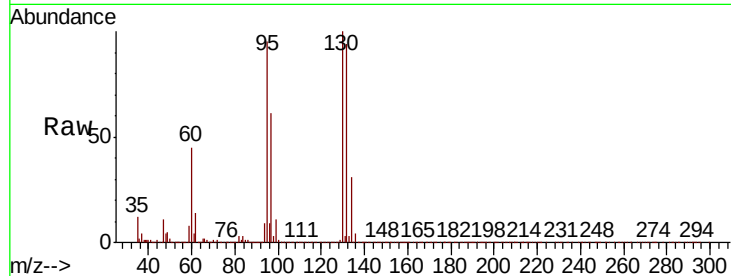
MW-315-SRI4

Tot Ion:130 Resp: 172305

Ion Ratio Lower Upper

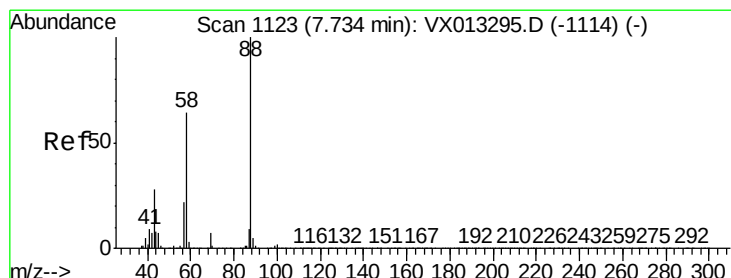
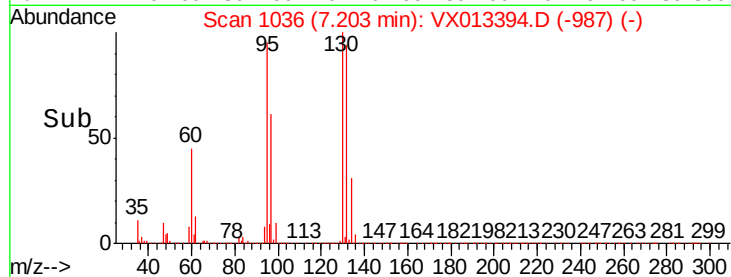
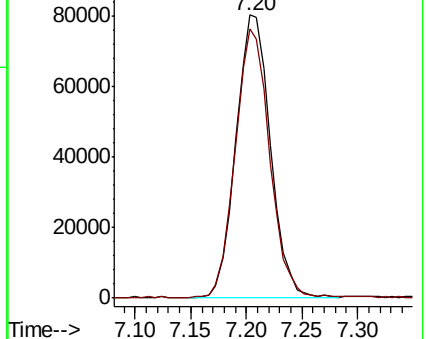
130 100

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

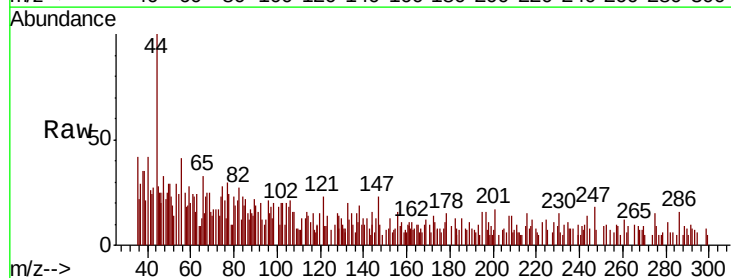
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

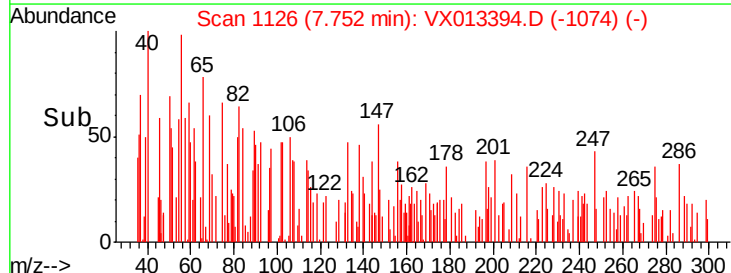
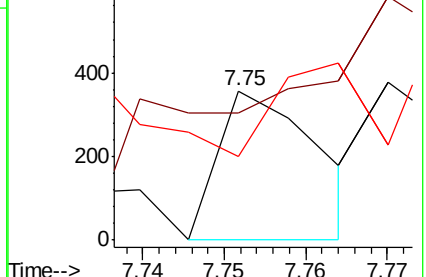
58 94.7 55.0 82.6#

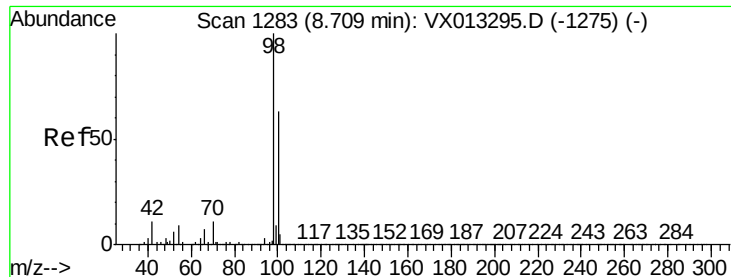


Abundance Ion 88.00 (87.70 to 88.70): VX0

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

ClientSampleId :

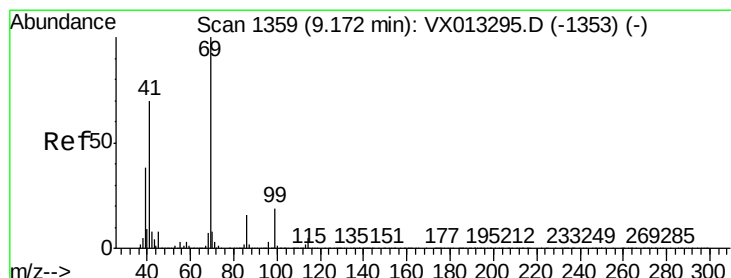
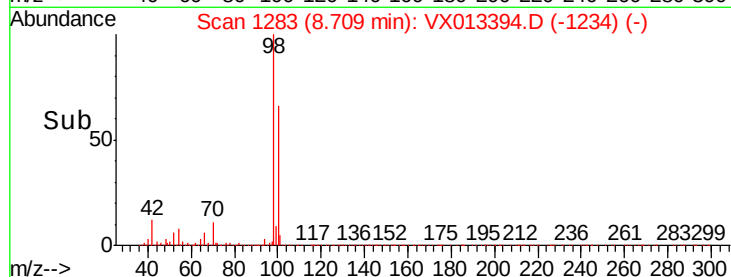
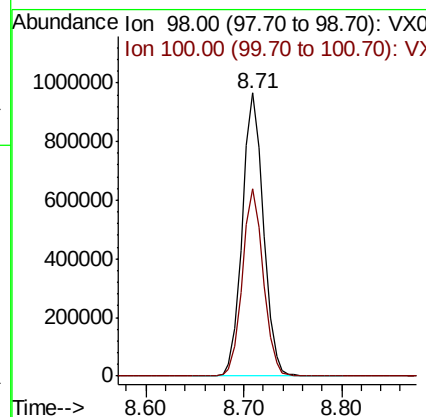
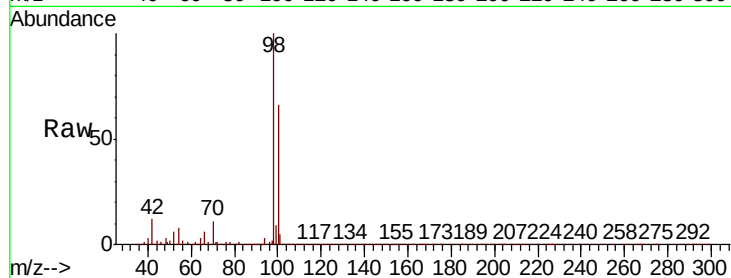
MW-315-SRI4

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

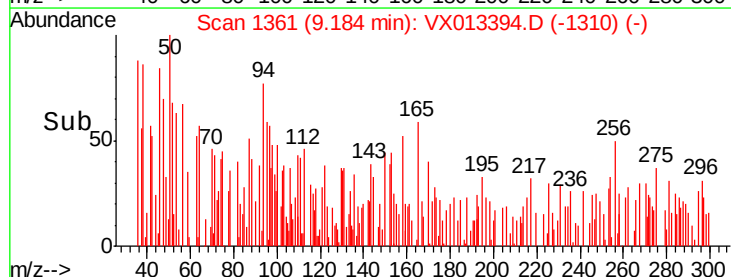
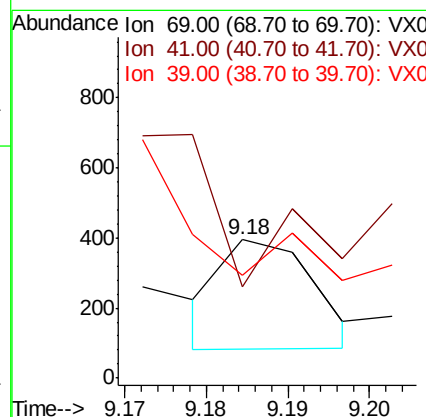
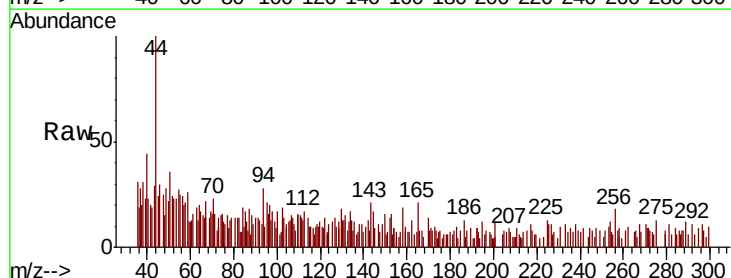
Tgt Ion: 69 Resp: 244

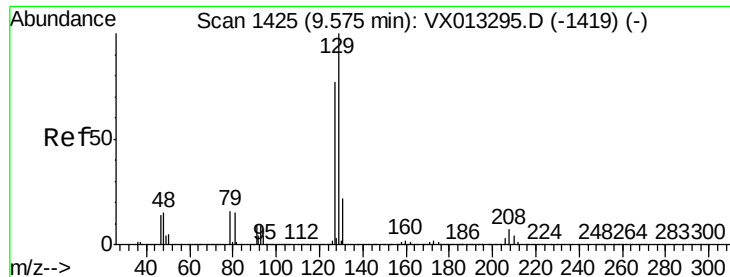
Ion Ratio Lower Upper

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 :

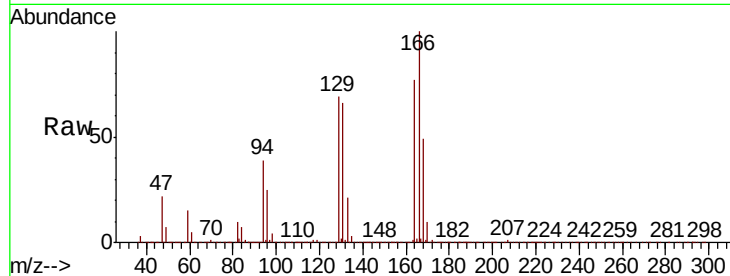
MW-315-SRI4

Tot Ion:129 Resp: 344245

Ion Ratio Lower Upper

129 100

127 0.1 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.33

250000

200000

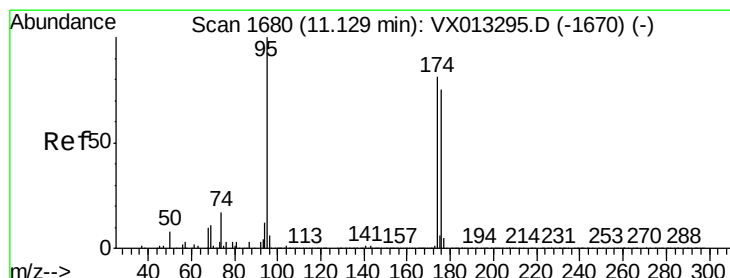
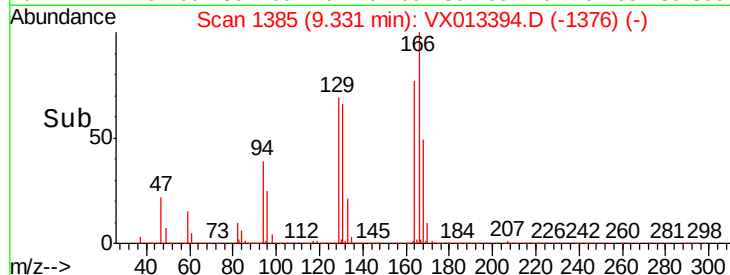
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40



#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

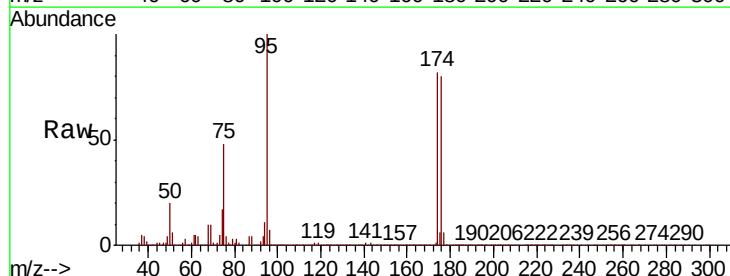
Tgt Ion: 95 Resp: 485833

Ion Ratio Lower Upper

95 100

174 91.8 0.0 179.8

176 88.4 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

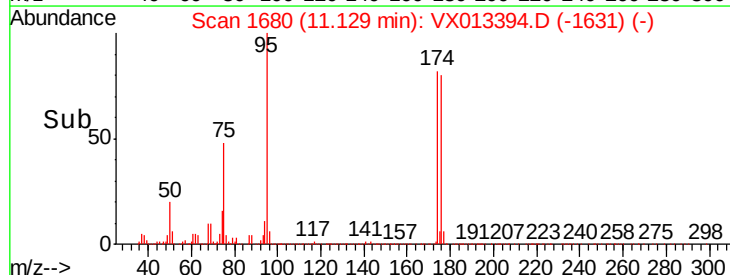
300000

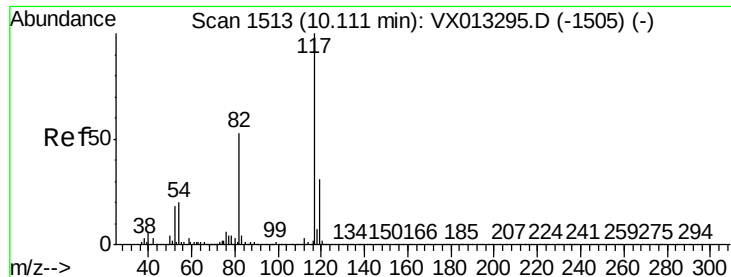
200000

100000

0

Time--> 11.00 11.10 11.20

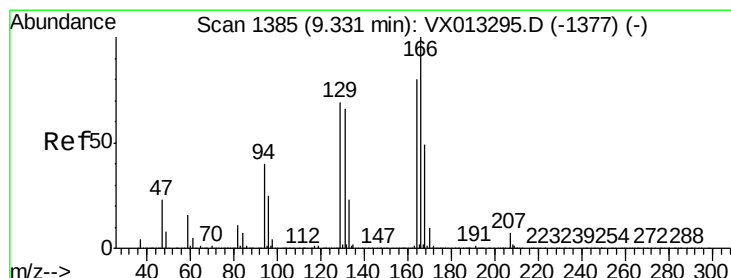
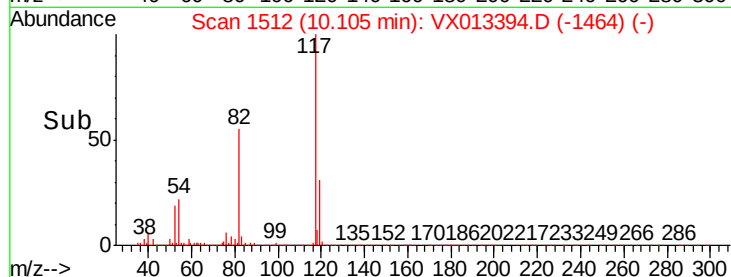
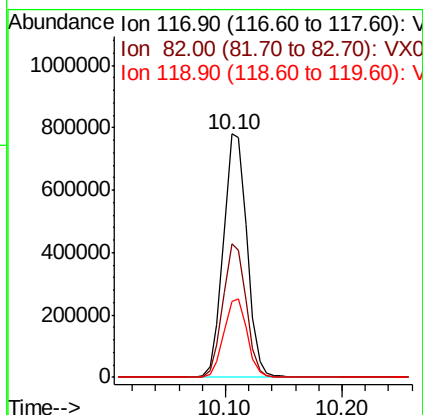
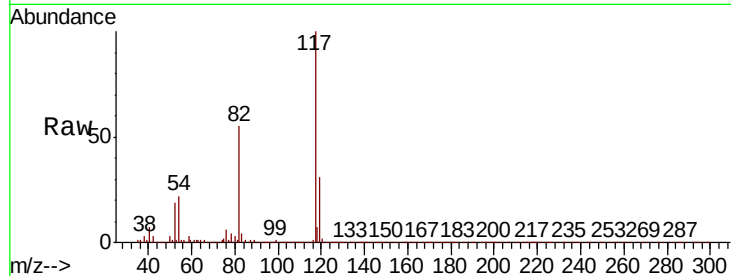




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013394.D
Acq: 12 Nov 2019 18:48

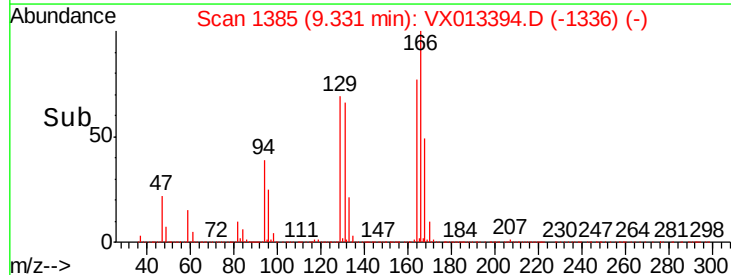
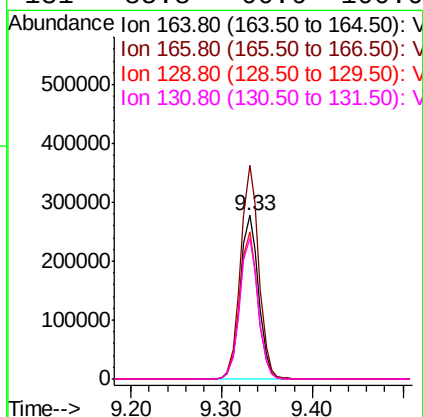
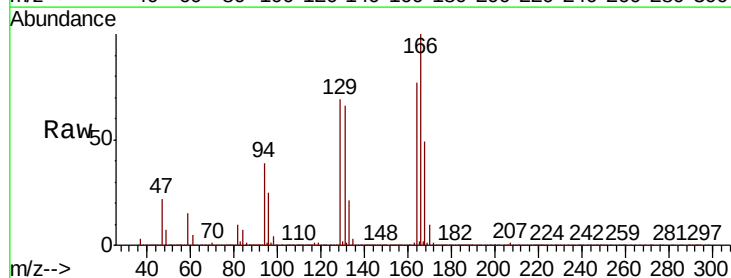
Instrument :
MSVOA_X
ClientSampleId :
MW-315-SRI4

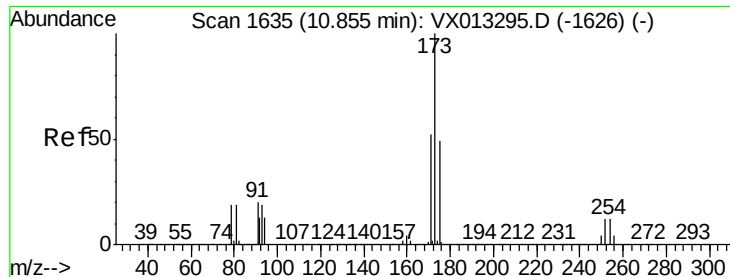
Tot Ion:117 Resp: 1092068
Ion Ratio Lower Upper
117 100
82 54.9 42.6 64.0
119 31.4 24.8 37.2



#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 :

MW-315-SRI4

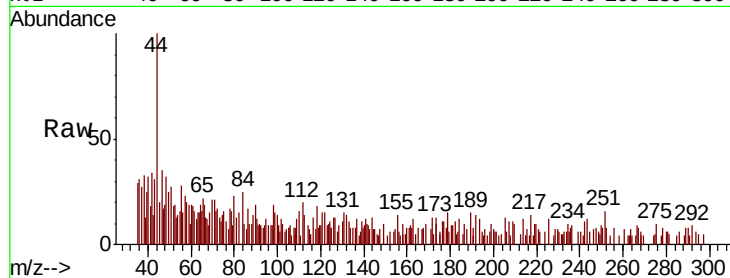
Tot Ion:173 Resp: 285

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

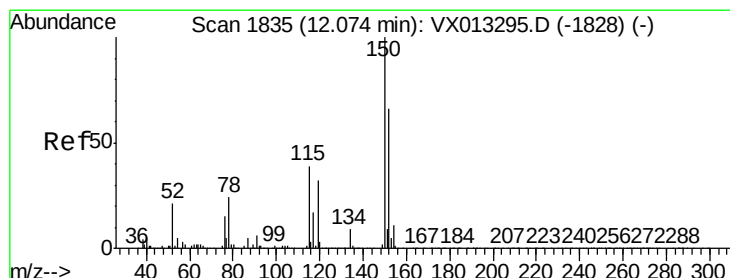
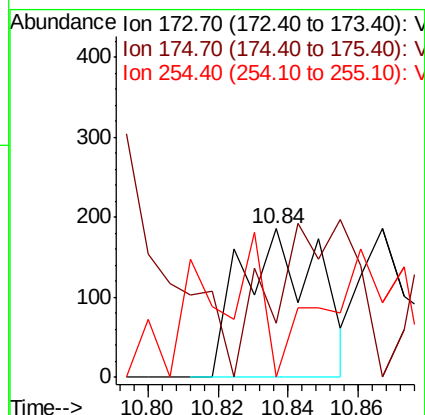
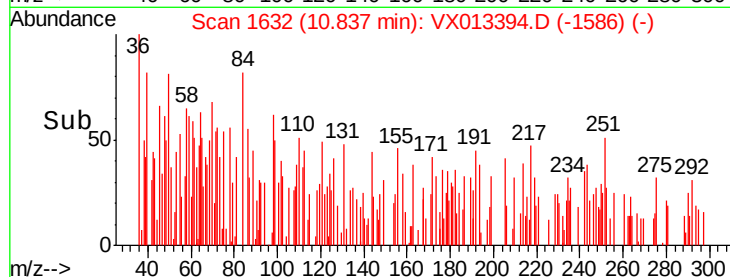
254 0.0 0.2 0.2#



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

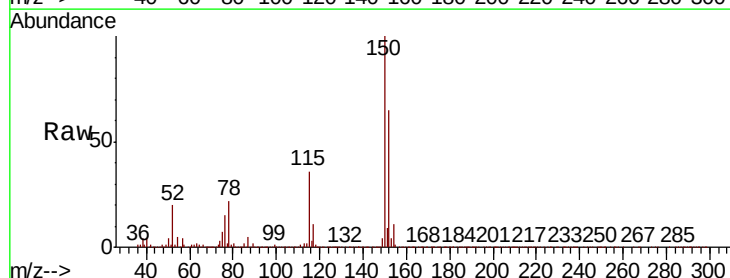
Tgt Ion:152 Resp: 496071

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

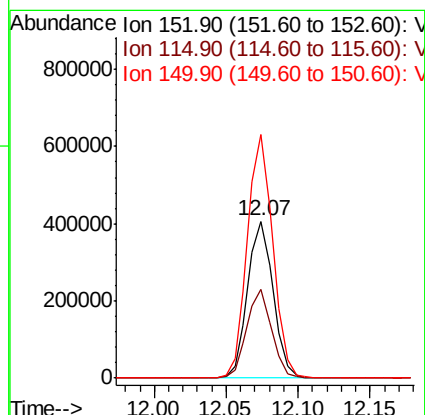
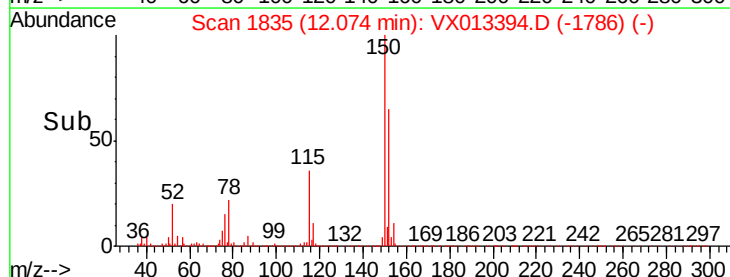
150 155.0 0.0 344.4

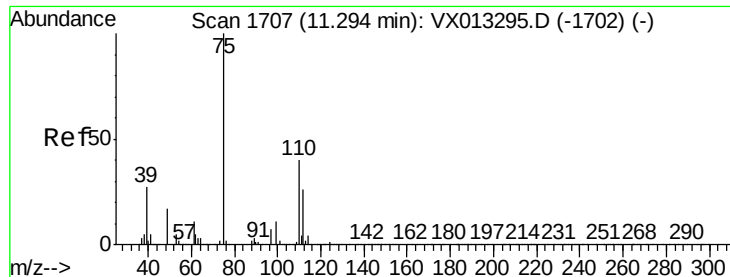


Abundance Ion 151.90 (151.60 to 152.60): V

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 :

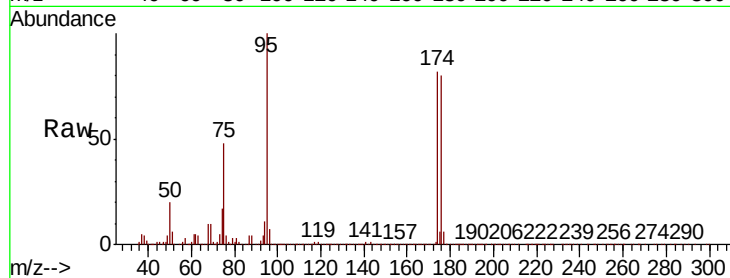
MW-315-SRI4

Tot Ion: 75 Resp: 238420

Ion Ratio Lower Upper

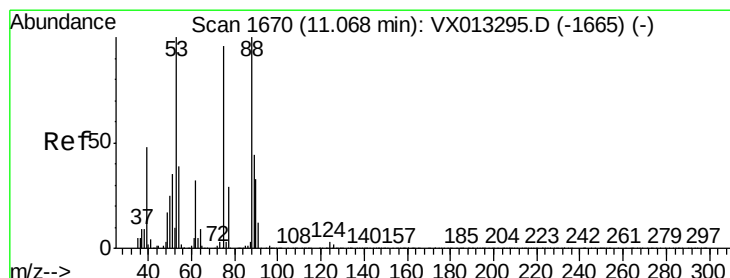
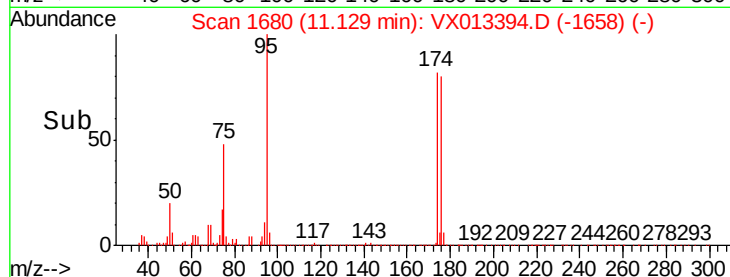
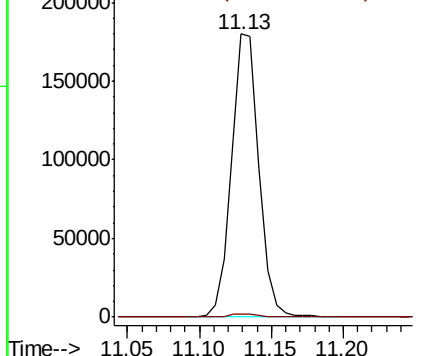
75 100

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



#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

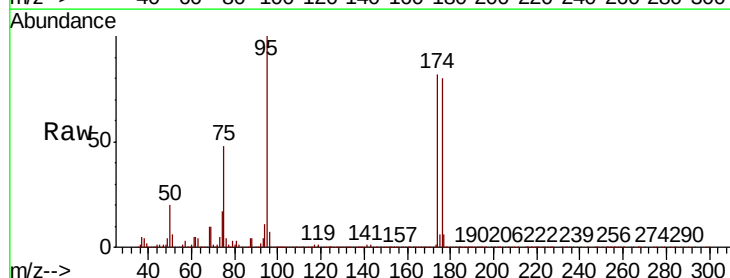
Tgt Ion: 75 Resp: 238420

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

