

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015385.D
 Acq On : 27 Mar 2020 16:36
 Operator : JC/SP
 Sample : L1997-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-20200316

Quant Time: Mar 30 01:44:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1182498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1916799	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1823532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	980958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	769477	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	5.47	113	589639	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.70	98	2314675	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	1005069	54.82	ug/l	0.00
Spiked Amount			Recovery	=	109.64%	

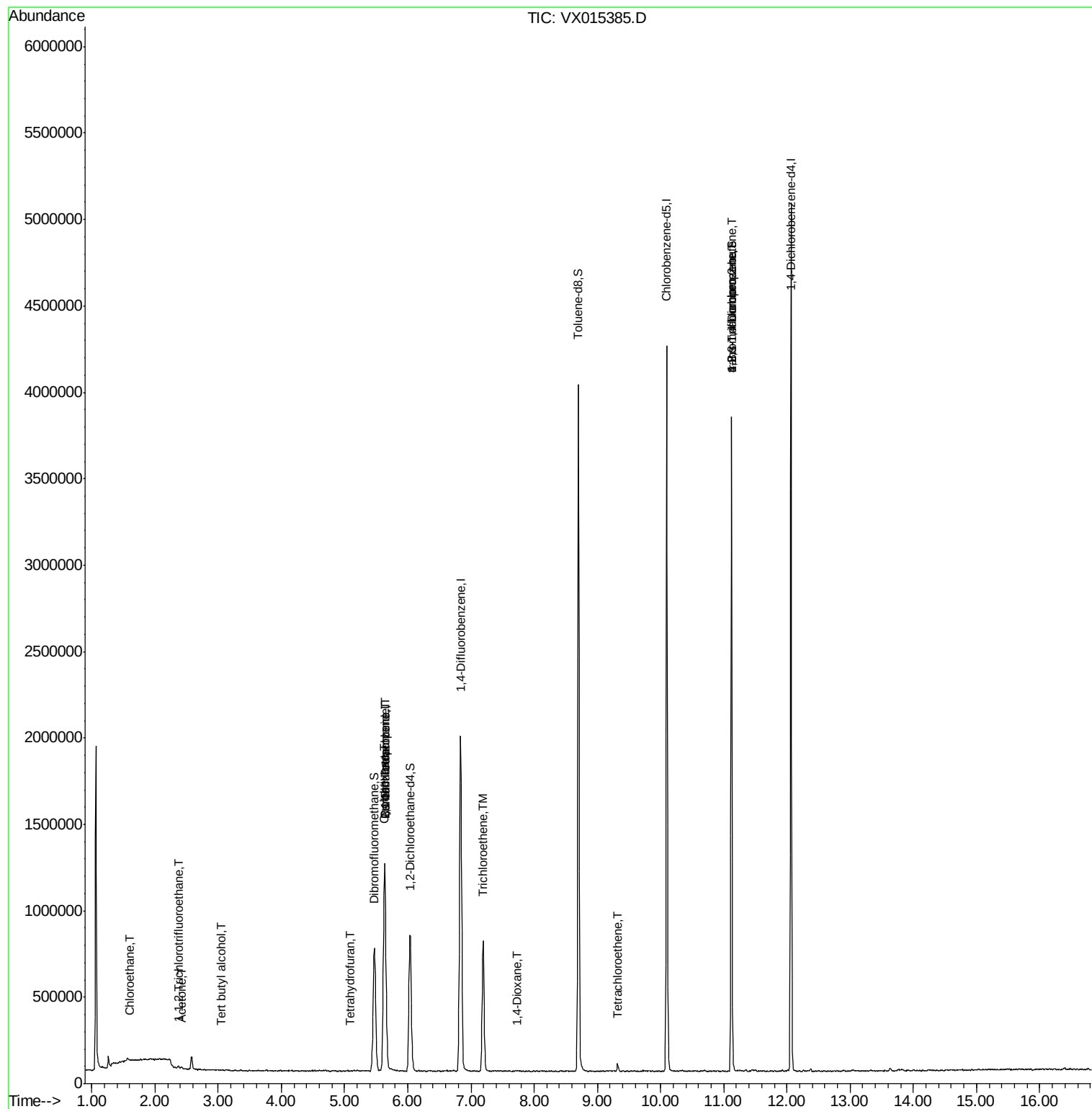
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	529	Below Cal	#	10
6) Chloroethane	1.59	64	2096	0.277	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6417	0.603	ug/l #	89
11) Tert butyl alcohol	3.04	59	2105	0.527	ug/l #	57
16) Acetone	2.42	43	13756	1.920	ug/l	96
29) Tetrahydrofuran	5.09	42	1563	0.211	ug/l #	48
31) Cyclohexane	5.62	56	25382	1.202	ug/l #	12
36) 1,1-Dichloropropene	5.63	75	93030	5.267	ug/l #	53
38) Carbon Tetrachloride	5.64	117	113901	5.954	ug/l #	14
44) Trichloroethene	7.19	130	291370	20.651	ug/l	97
49) 1,4-Dioxane	7.73	88	3586	9.914	ug/l #	36
64) Tetrachloroethene	9.32	164	9743	0.708	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	507893	25.177	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	507893	60.412	ug/l #	10

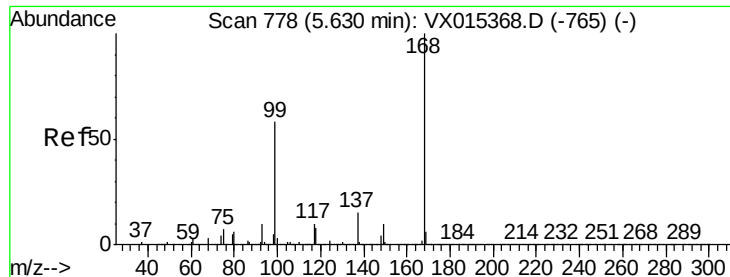
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

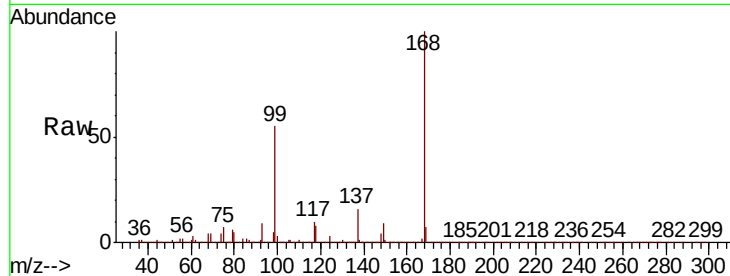
RE109D1-20200316

Tot Ion:168 Resp: 1182498

Ion Ratio Lower Upper

168 100

99 55.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

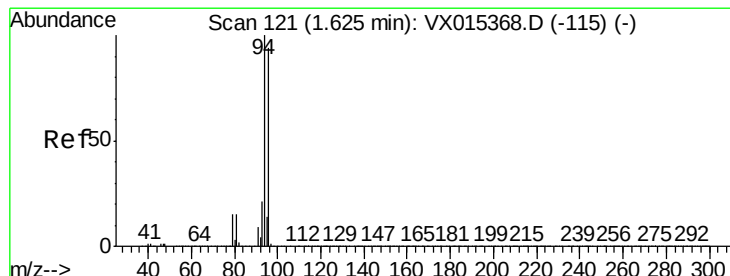
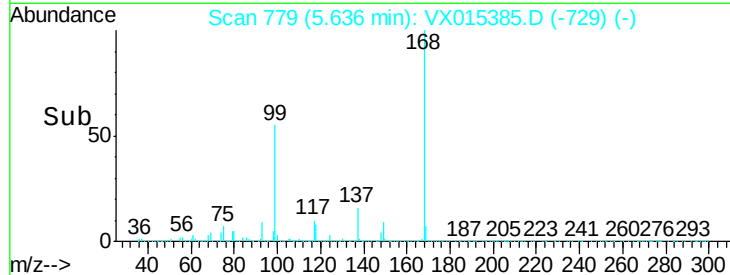
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015385.D

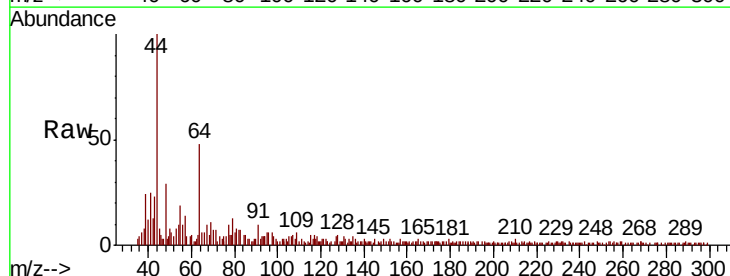
Acq: 27 Mar 2020 16:36

Tgt Ion: 94 Resp: 529

Ion Ratio Lower Upper

94 100

96 7.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

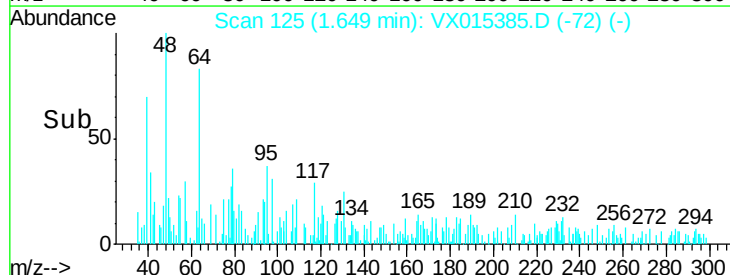
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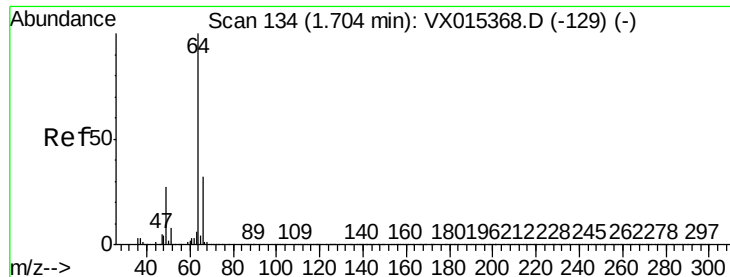
400

200

0

Time-->





#6

Chloroethane

Concen: 0.277 ug/l

RT: 1.59 min Scan# 116

Delta R.T. -0.11 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

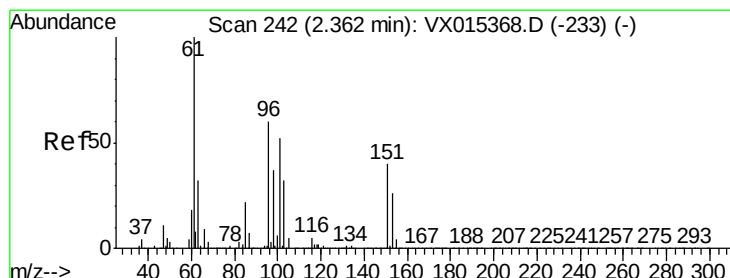
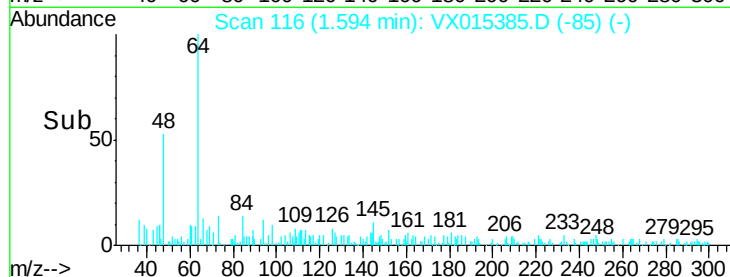
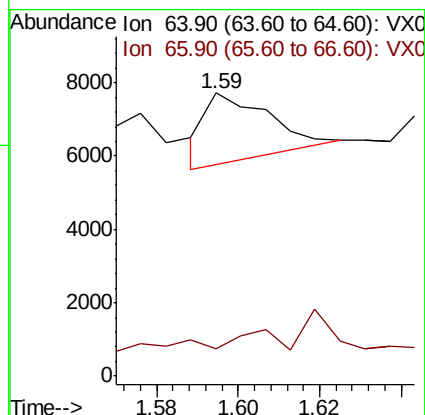
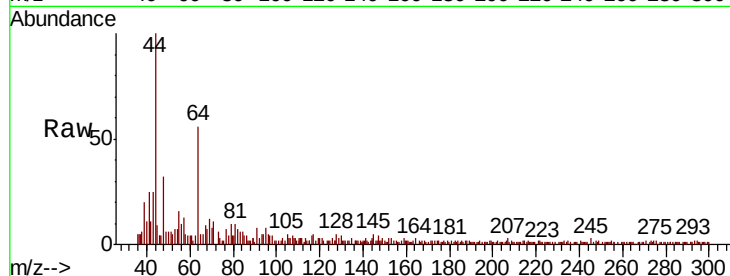
RE109D1-20200316

Tot Ion: 64 Resp: 2096

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.603 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

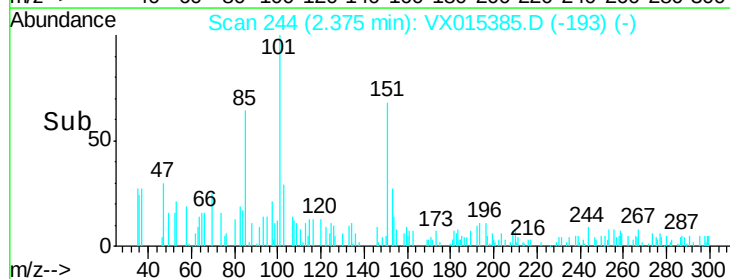
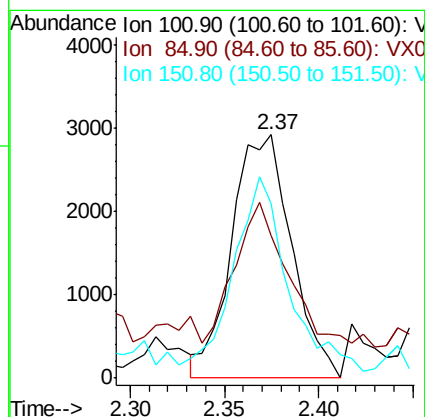
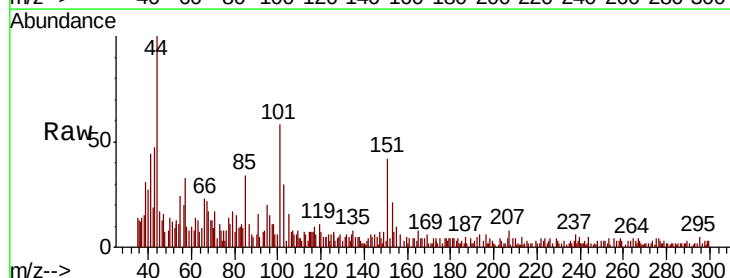
Tgt Ion: 101 Resp: 6417

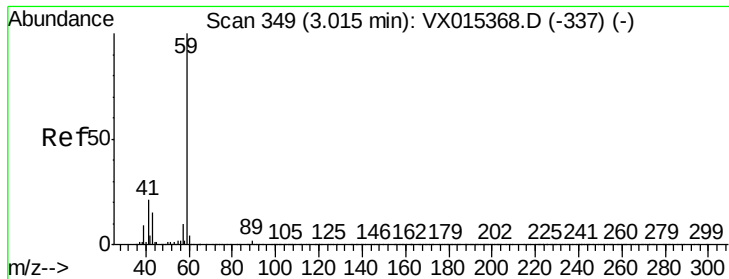
Ion Ratio Lower Upper

101 100

85 53.7 35.0 52.4#

151 72.2 64.1 96.1

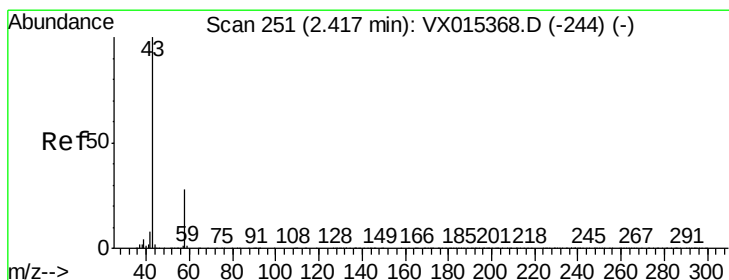
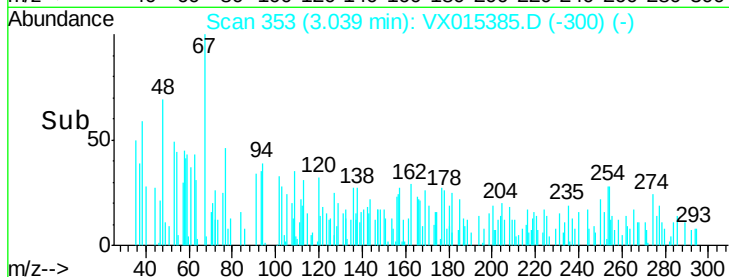
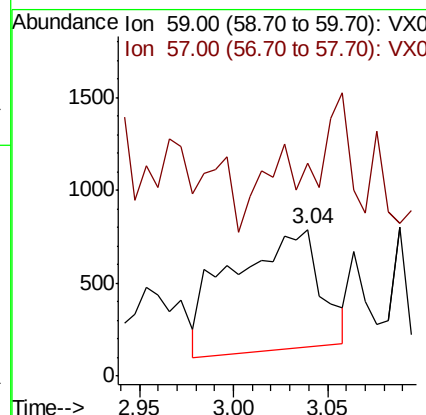
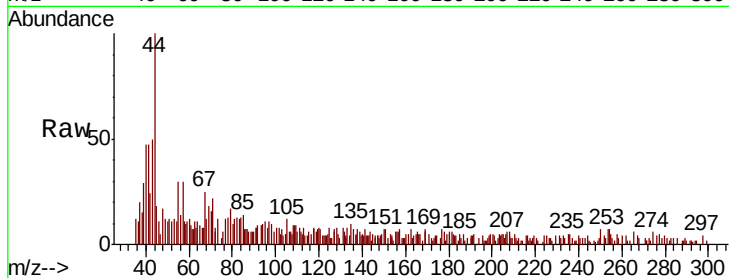




#11
Tert butyl alcohol
Concen: 0.527 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.02 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

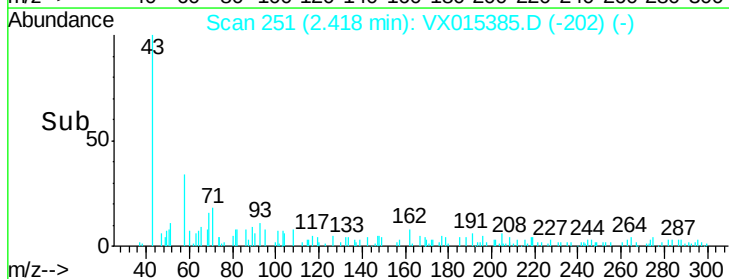
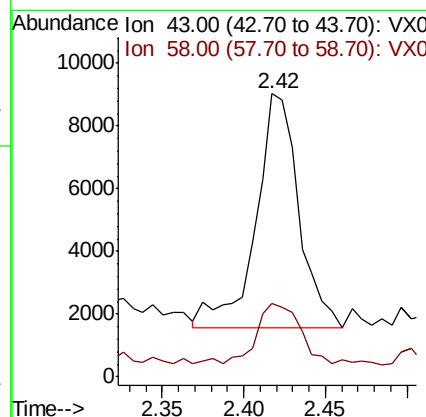
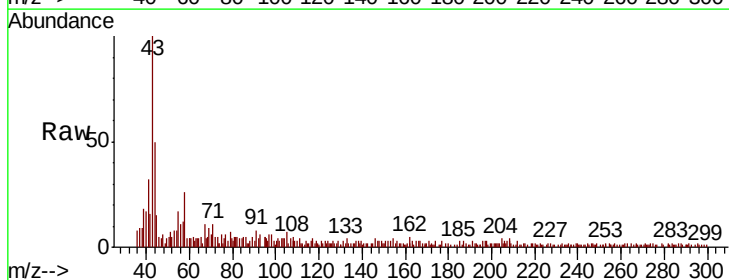
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20200316

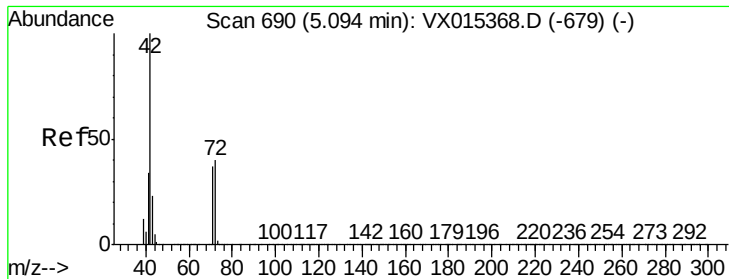
Tot Ion: 59 Resp: 2105
Ion Ratio Lower Upper
59 100
57 26.2 8.1 12.1#



#16
Acetone
Concen: 1.920 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

Tgt Ion: 43 Resp: 13756
Ion Ratio Lower Upper
43 100
58 25.7 22.1 33.1

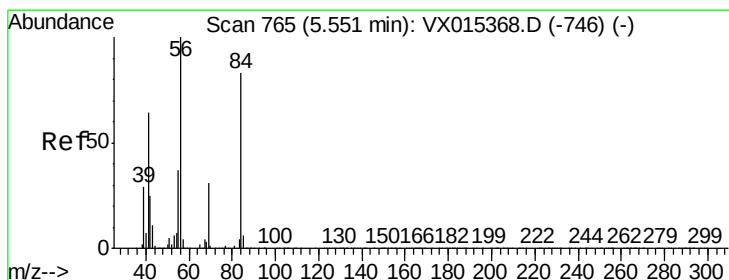
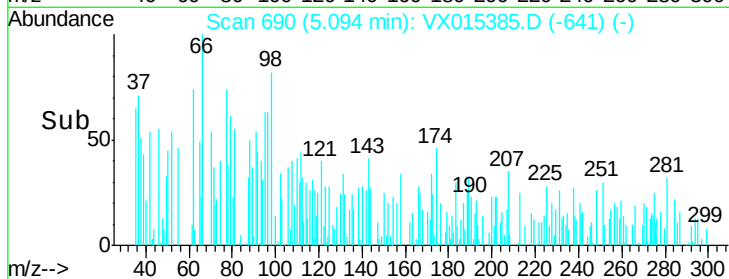
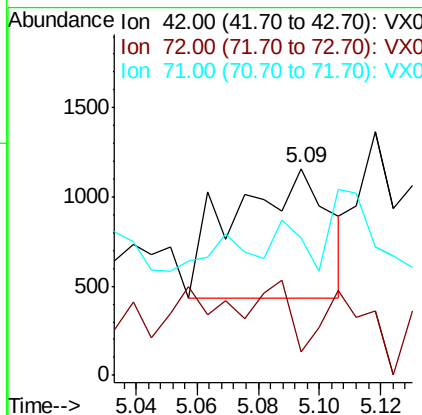
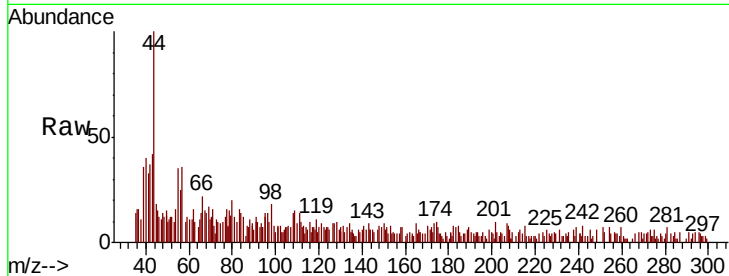




#29
Tetrahydrofuran
Concen: 0.211 ug/l
RT: 5.09 min Scan# 690
Delta R.T. 0.00 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

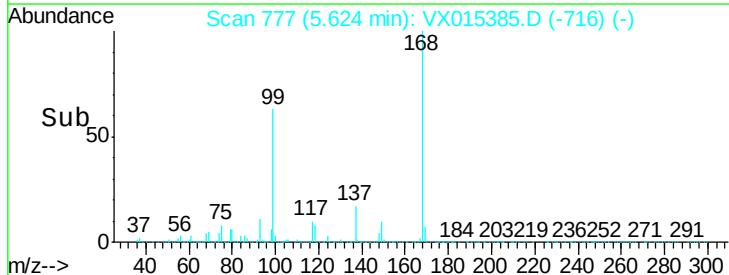
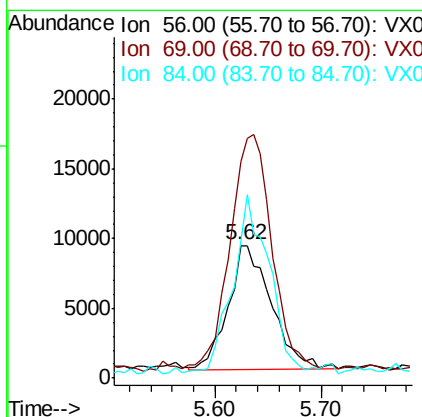
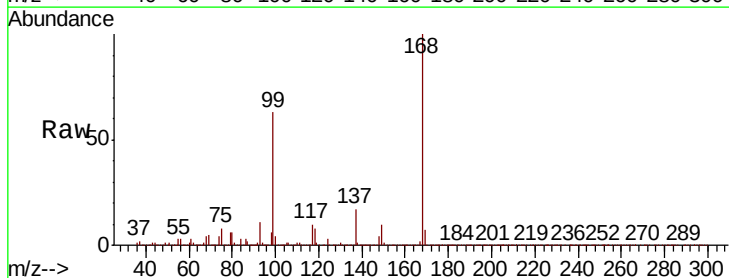
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20200316

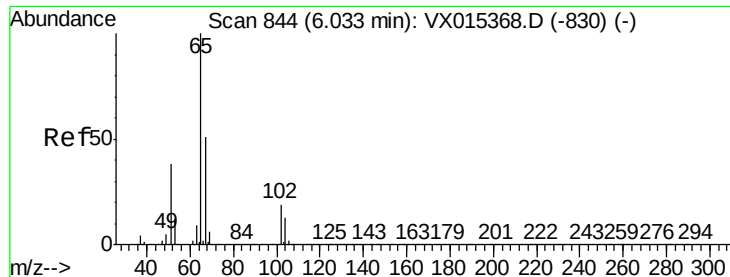
Tot Ion: 42 Resp: 1563
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 13.5 29.6 44.4#



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.62 min Scan# 777
Delta R.T. 0.07 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

Tgt Ion: 56 Resp: 25382
Ion Ratio Lower Upper
56 100
69 168.0 24.6 36.8#
84 107.7 66.1 99.1#

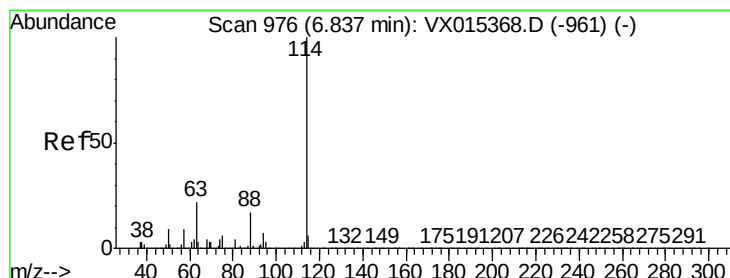
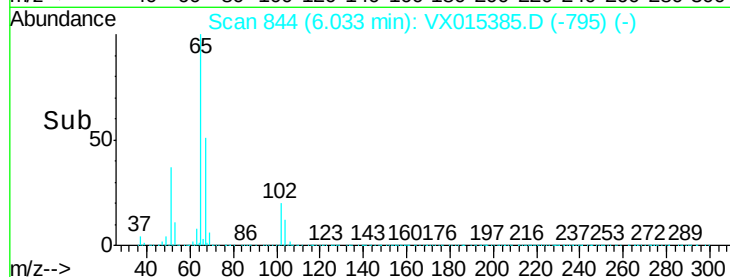
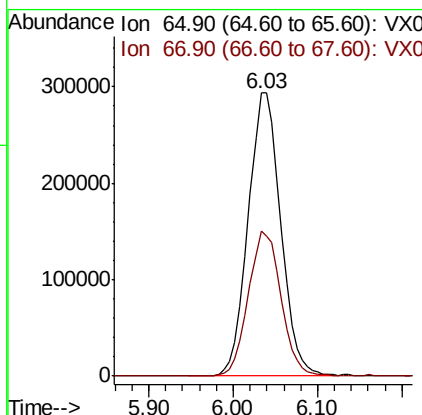
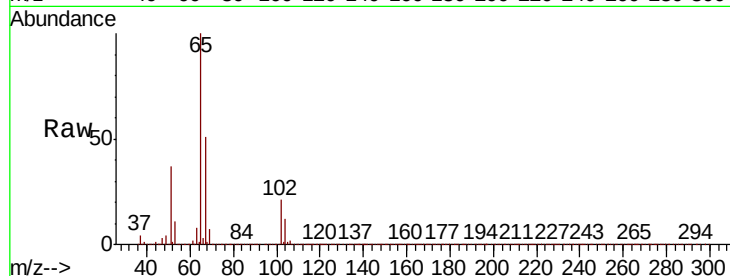




#33
 1,2-Dichloroethane-d4
 Concen: 46.138 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015385.D
 Acq: 27 Mar 2020 16:36

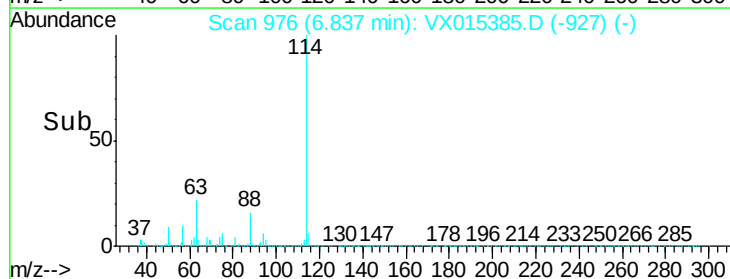
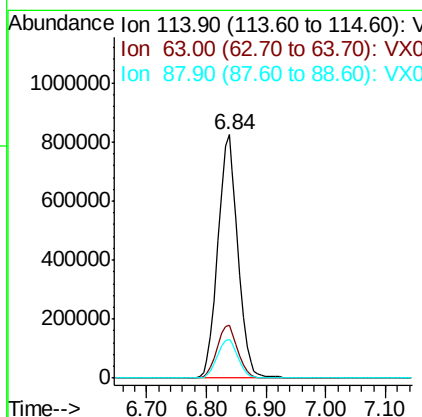
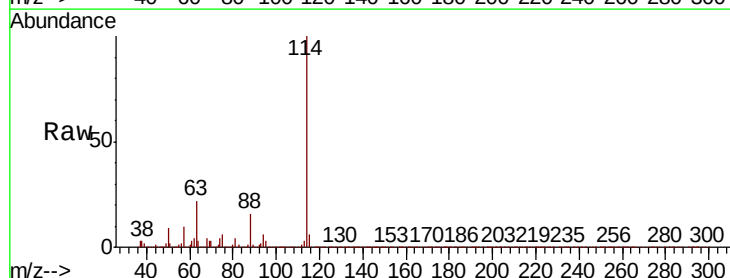
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 ClientSampleId :
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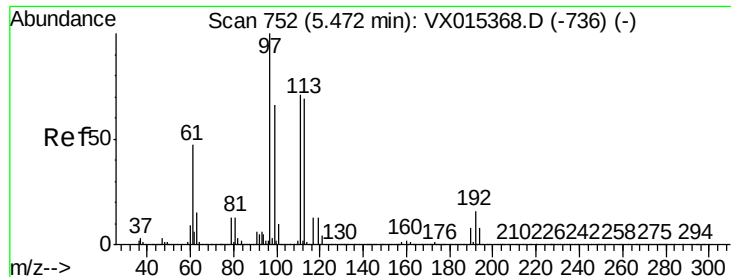
Tot Ion: 65 Resp: 769477
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015385.D
 Acq: 27 Mar 2020 16:36

Tgt Ion: 114 Resp: 1916799
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 44.2
 88 16.1 0.0 33.8

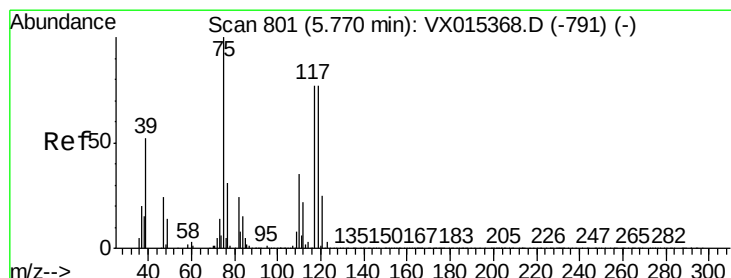
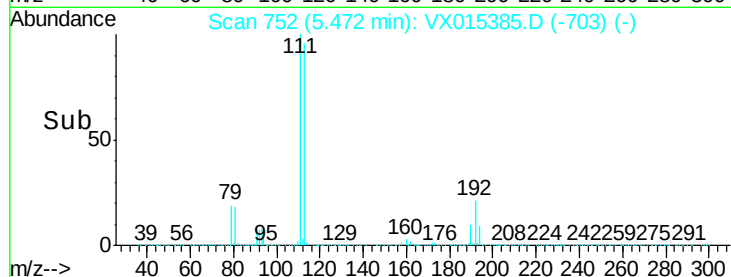
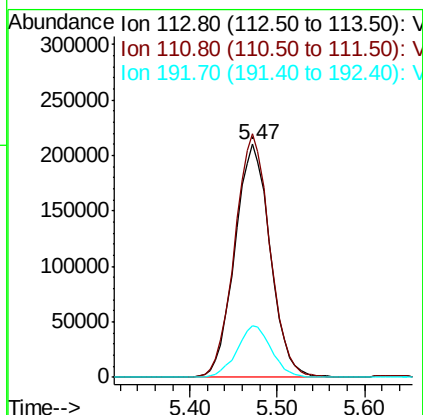
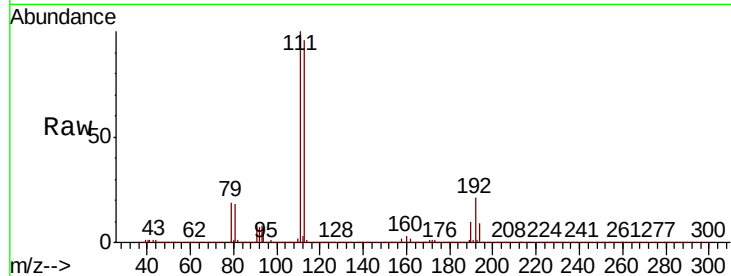




#35
 Dibromofluoromethane
 Concen: 48.123 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015385.D
 Acq: 27 Mar 2020 16:36

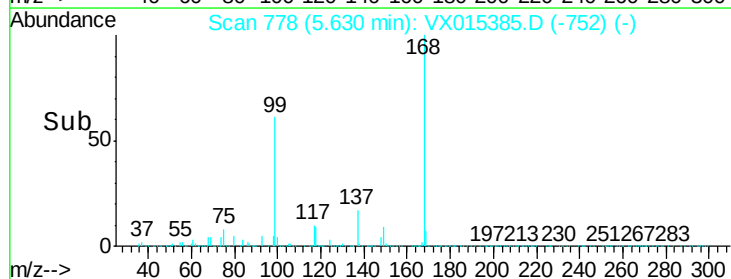
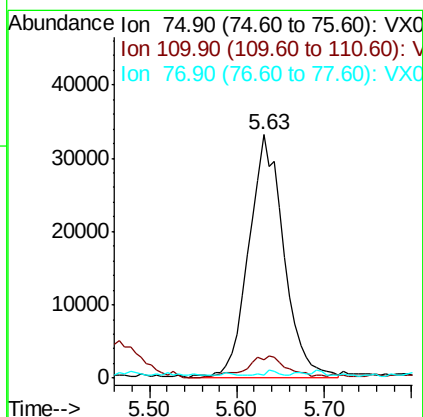
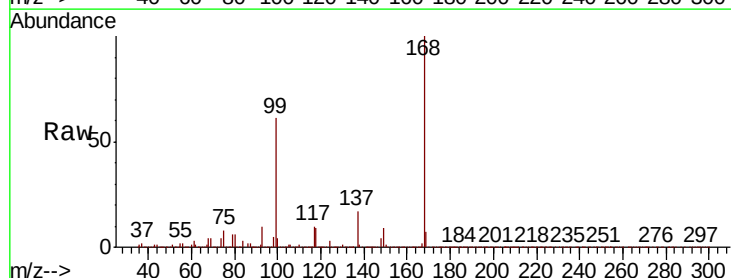
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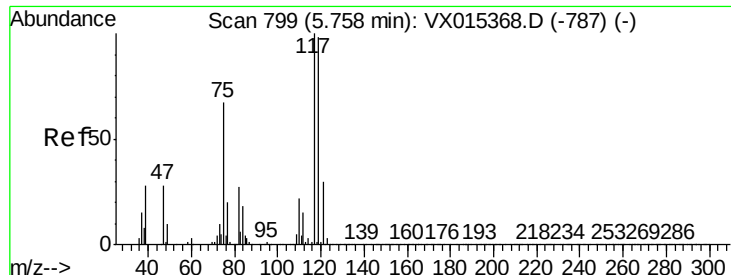
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	21.7	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 5.267 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015385.D
 Acq: 27 Mar 2020 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	0.6	24.6	36.8#

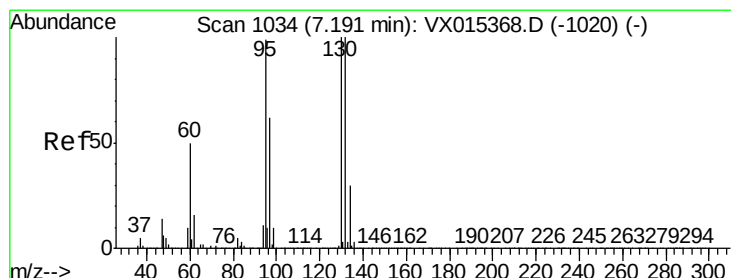
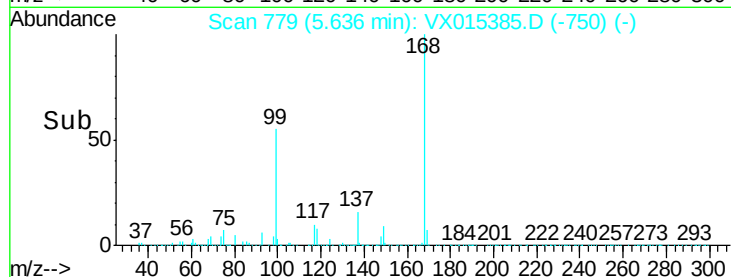
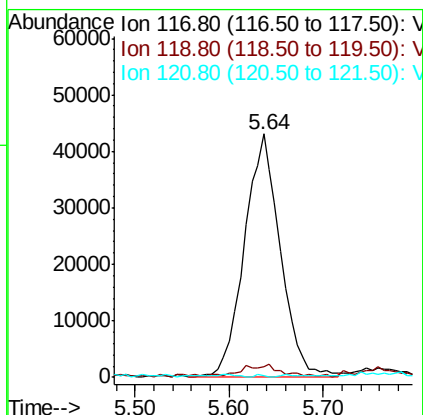
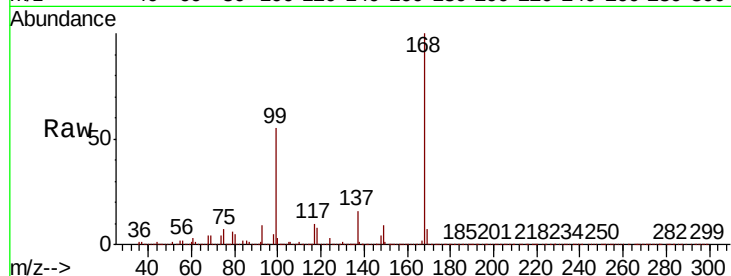




#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

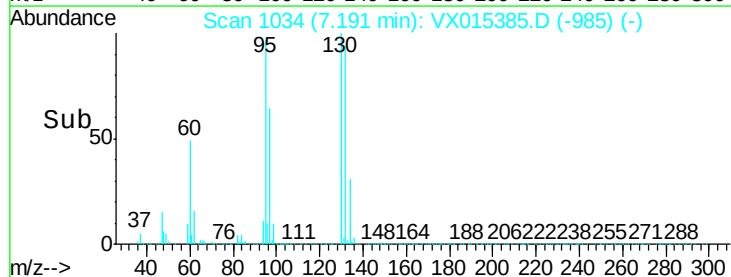
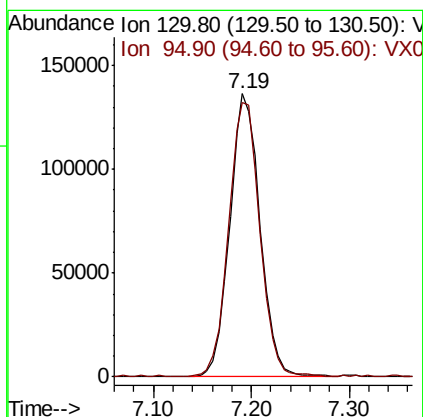
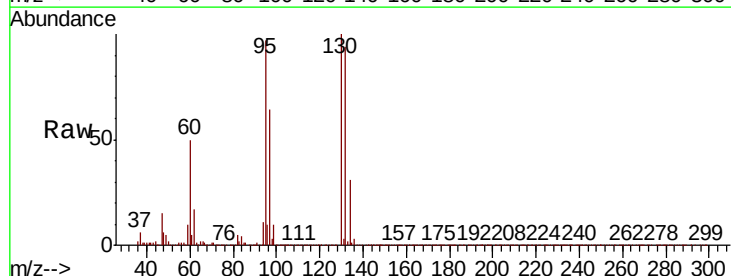
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20200316

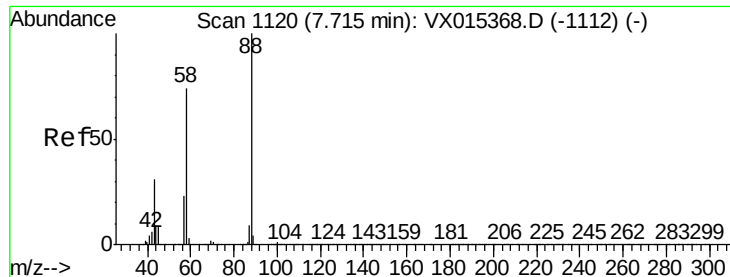
Tot Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.0	117.0#
121	0.0	23.8	35.8#



#44
Trichloroethene
Concen: 20.651 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	199.0





#49

1,4-Dioxane

Concen: 9.914 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20200316

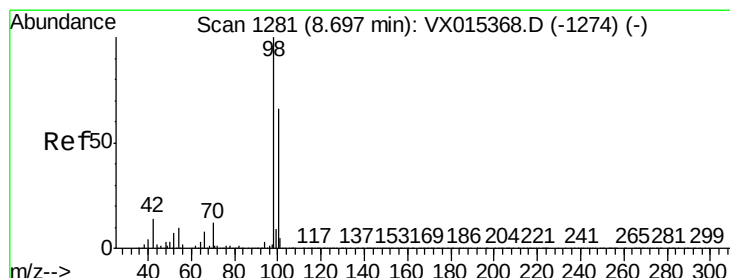
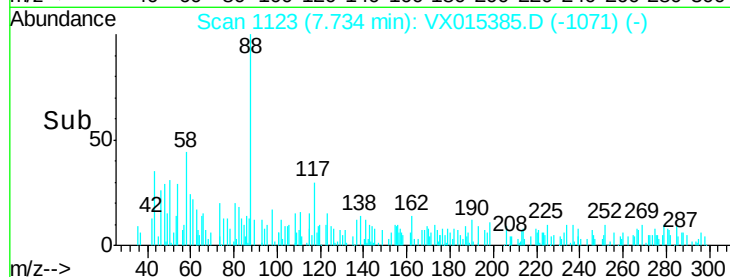
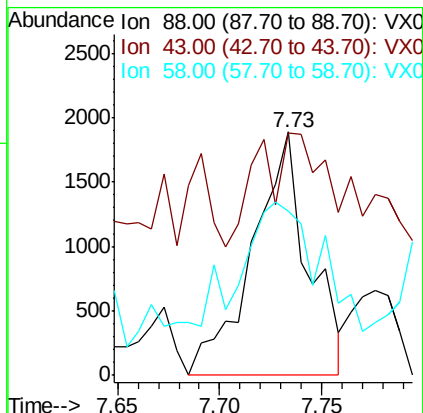
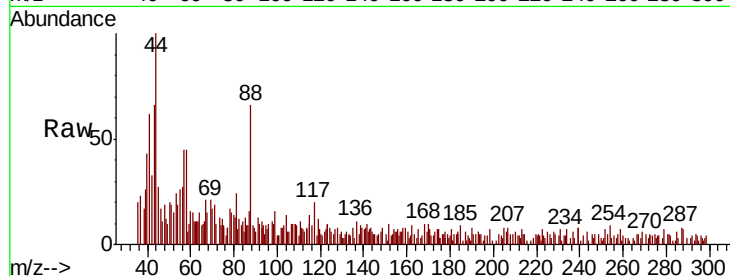
Tot Ion: 88 Resp: 3586

Ion Ratio Lower Upper

88 100

43 46.2 30.1 45.1#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 51.310 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015385.D

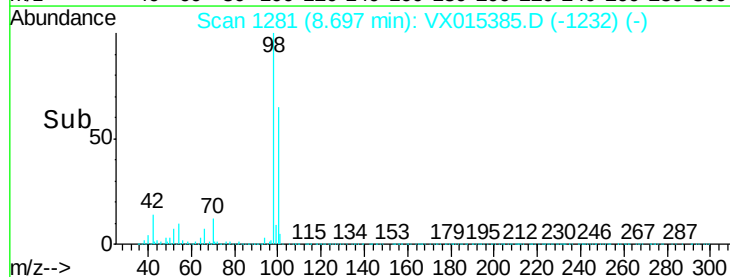
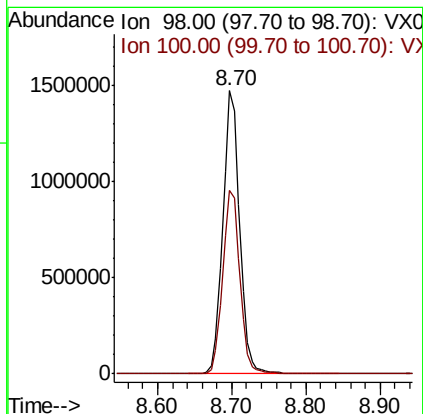
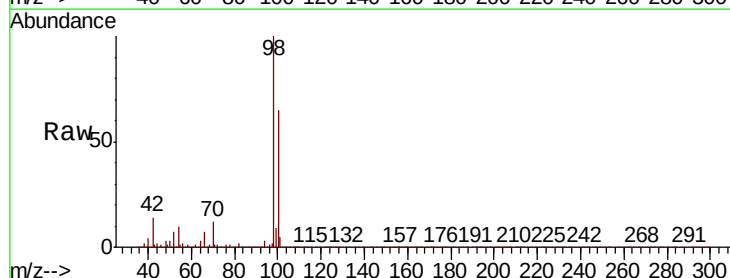
Acq: 27 Mar 2020 16:36

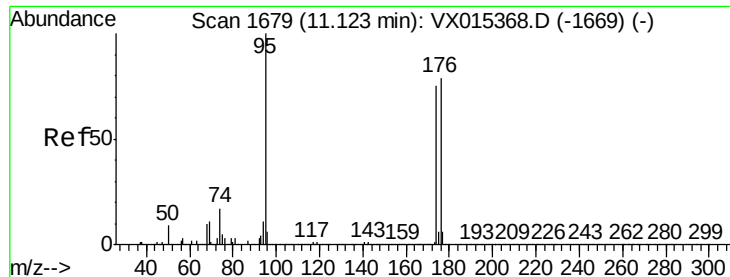
Tgt Ion: 98 Resp: 2314675

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3

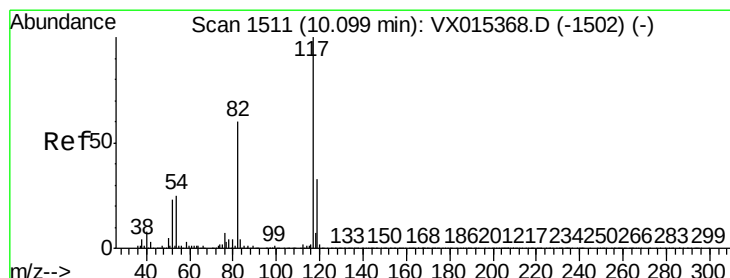
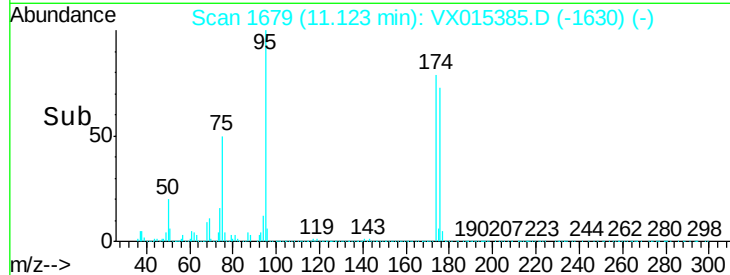
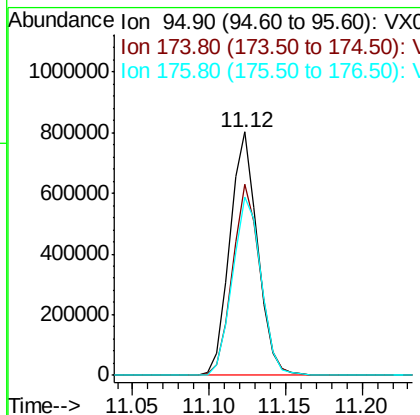
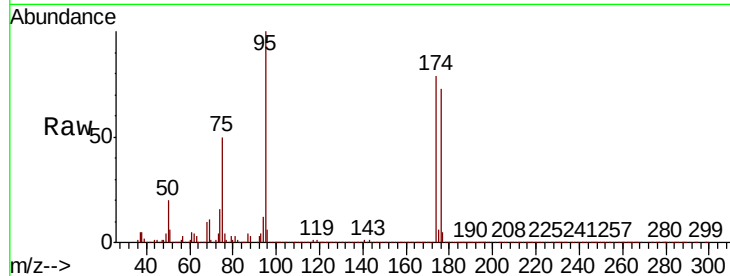




#62
4-Bromofluorobenzene
Concen: 54.822 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

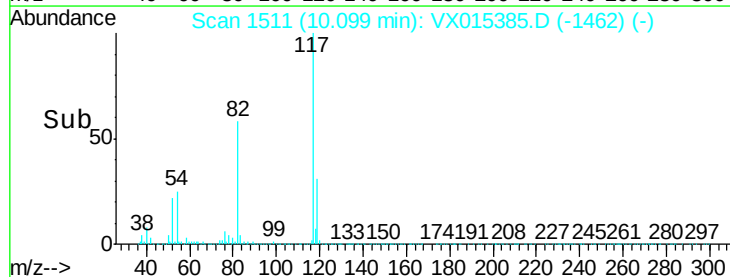
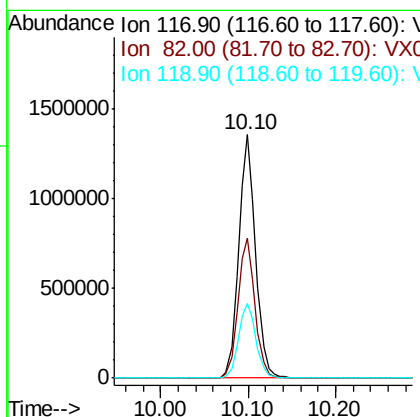
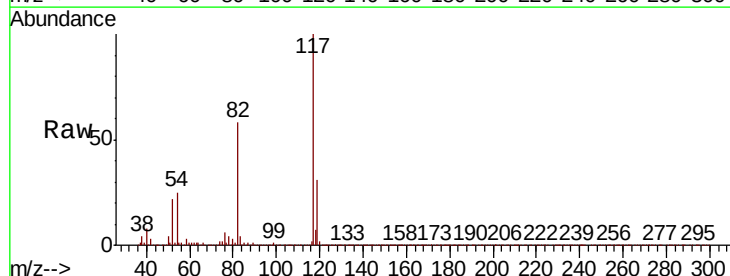
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20200316

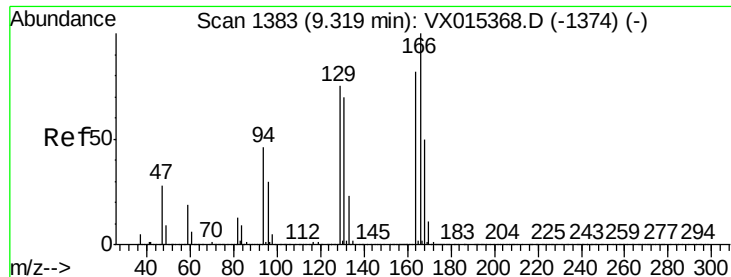
Tot Ion: 95 Resp: 1005069
Ion Ratio Lower Upper
95 100
174 78.2 0.0 158.6
176 75.8 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015385.D
Acq: 27 Mar 2020 16:36

Tgt Ion: 117 Resp: 1823532
Ion Ratio Lower Upper
117 100
82 57.6 47.8 71.8
119 30.7 26.8 40.2





#64

Tetrachloroethene

Concen: 0.708 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20200316

Tot Ion:164 Resp: 9743

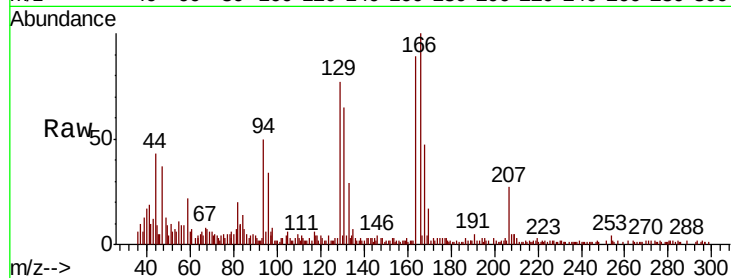
Ion Ratio Lower Upper

164 100

166 111.2 97.8 146.6

129 85.7 73.0 109.4

131 72.5 68.6 103.0

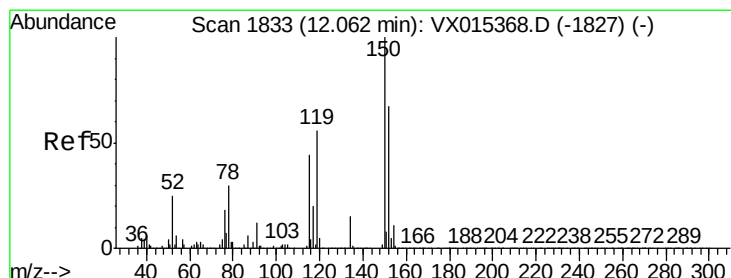
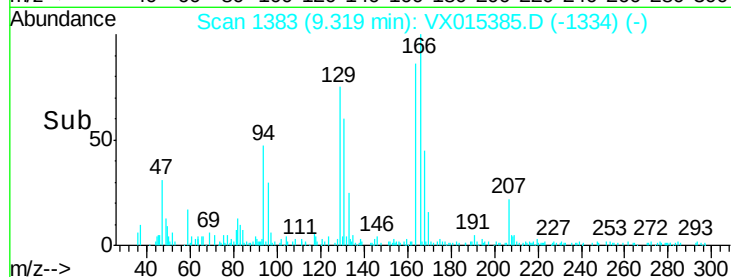
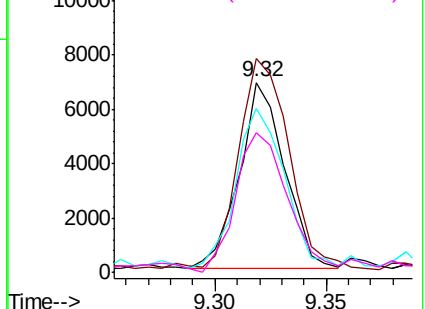


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

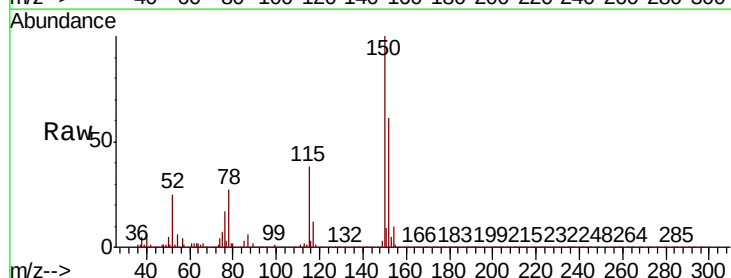
Tgt Ion:152 Resp: 980958

Ion Ratio Lower Upper

152 100

115 57.9 39.0 116.9

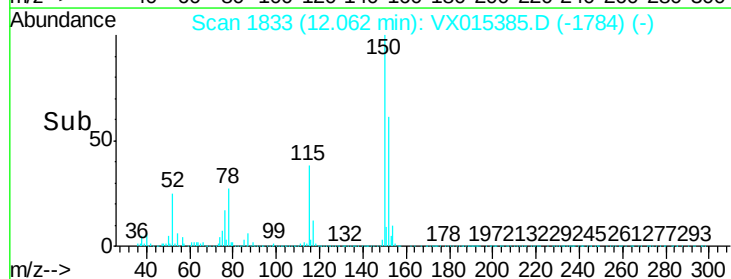
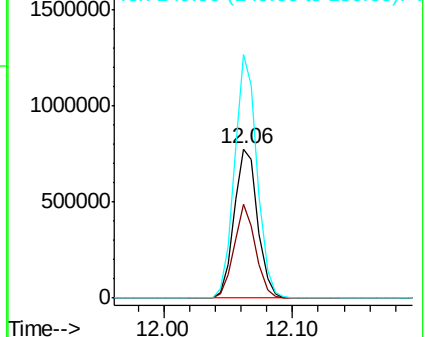
150 156.6 0.0 340.8

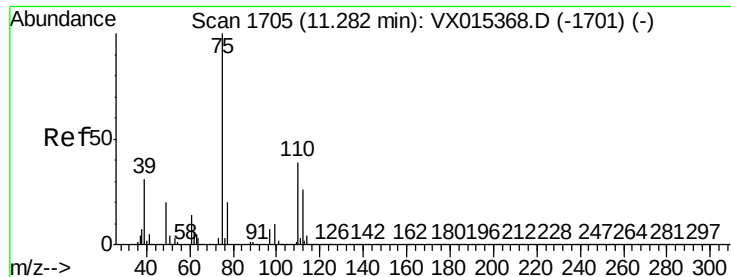


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.177 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Instrument :

MSVOA_X

ClientSampleId :

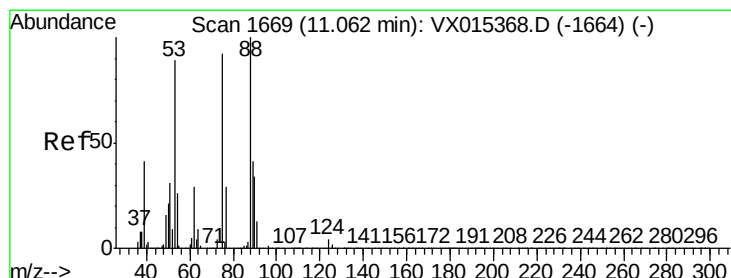
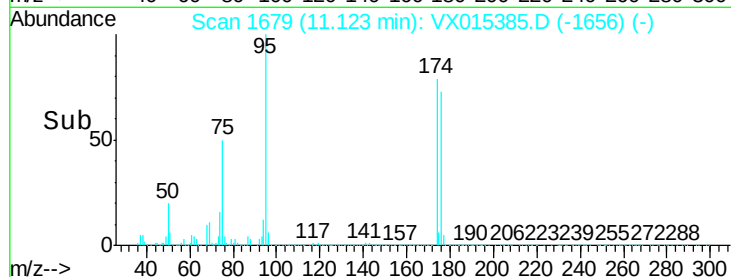
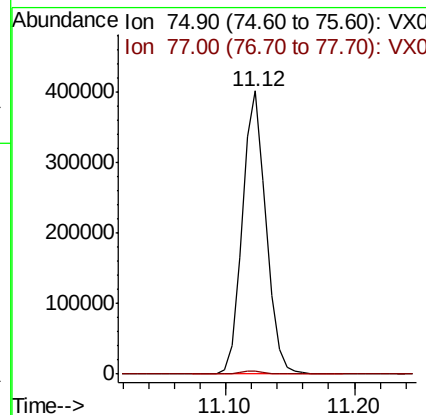
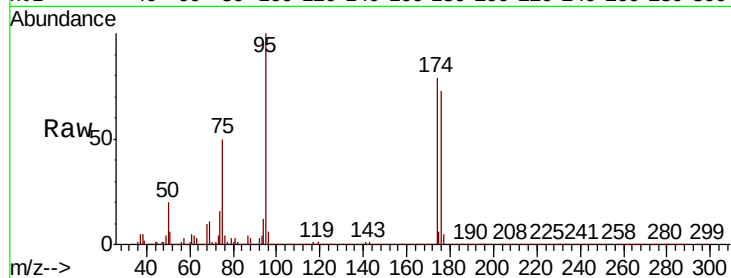
RE109D1-20200316

Tot Ion: 75 Resp: 507893

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.412 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015385.D

Acq: 27 Mar 2020 16:36

Tgt Ion: 75 Resp: 507893

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.1 36.1 54.1#

