

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015390.D
 Acq On : 27 Mar 2020 18:29
 Operator : JC/SP
 Sample : L1997-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20200317

Quant Time: Mar 30 01:46:02 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	1165459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1901746	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1784103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	948527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	775851	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
35) Dibromofluoromethane	5.47	113	599120	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	8.70	98	2317567	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.12	95	994317	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	

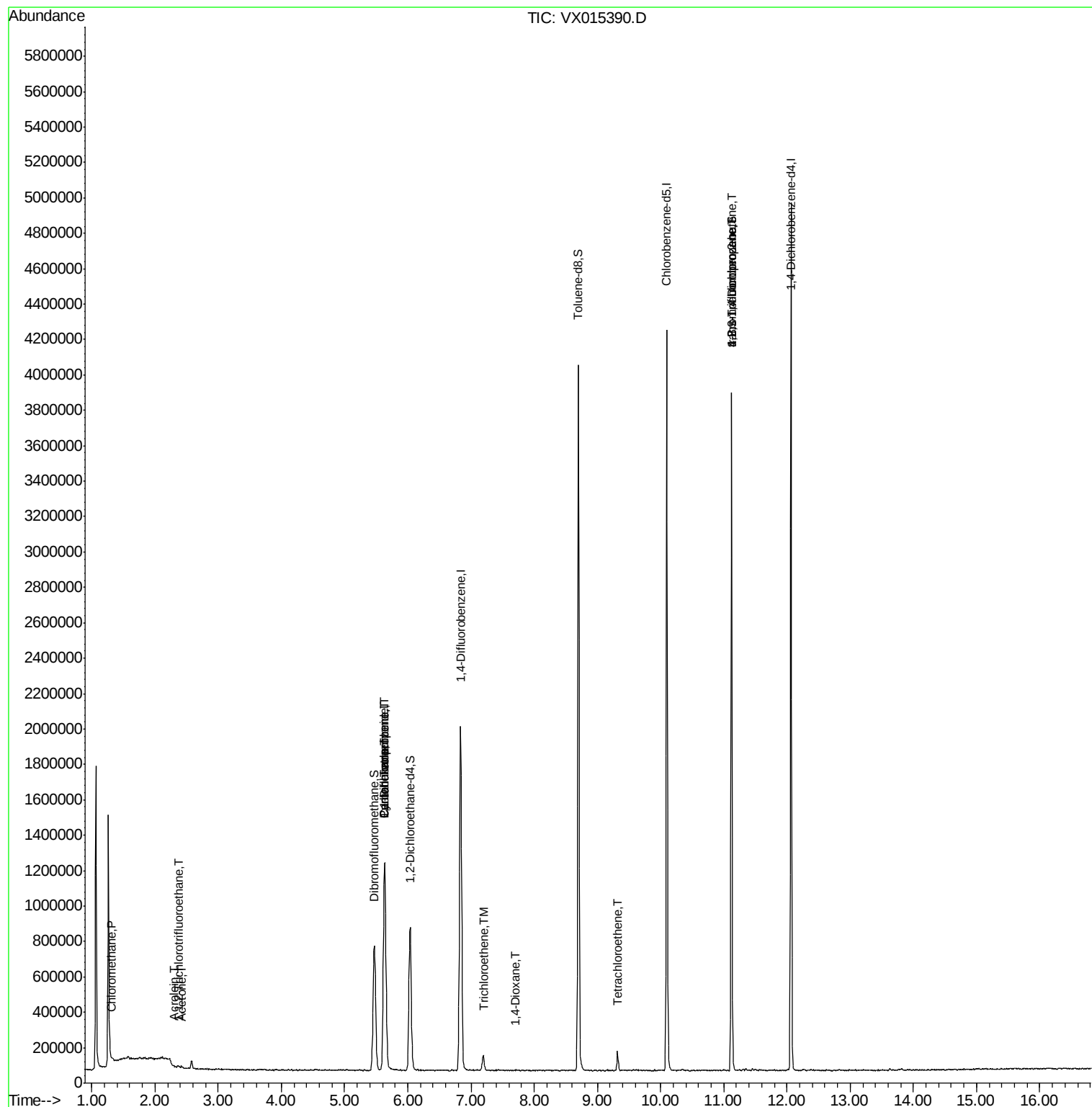
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3129	0.239	ug/l	90
5) Bromomethane	1.62	94	186	Below Cal	#	34
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4323	0.412	ug/l #	89
13) Acrolein	2.30	56	753	0.336	ug/l #	14
16) Acetone	2.42	43	10610	1.502	ug/l #	84
31) Cyclohexane	5.64	56	24295	1.168	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	92628	5.286	ug/l #	51
38) Carbon Tetrachloride	5.64	117	109191	5.753	ug/l #	16
44) Trichloroethene	7.19	130	33349	2.382	ug/l	96
49) 1,4-Dioxane	7.70	88	256	0.713	ug/l #	1
64) Tetrachloroethene	9.32	164	22965	1.706	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	509215	26.106	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	509215	62.640	ug/l #	10

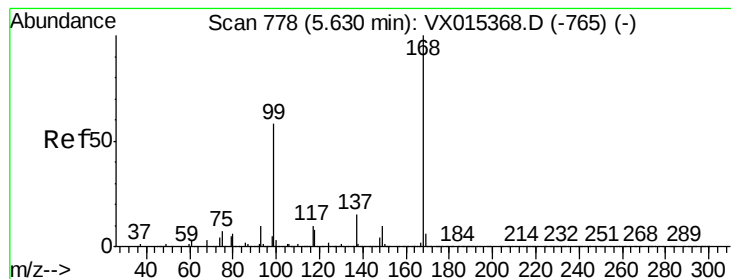
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

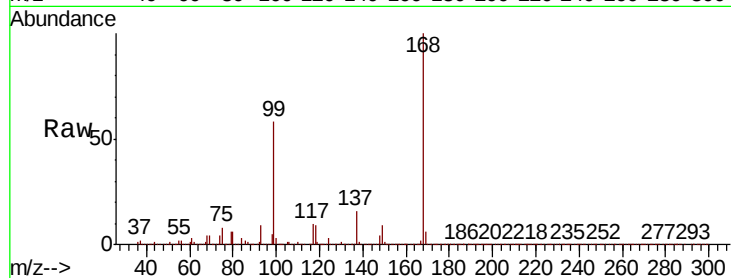
RE123D2-20200317

Tot Ion:168 Resp: 1165459

Ion Ratio Lower Upper

168 100

99 58.3 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

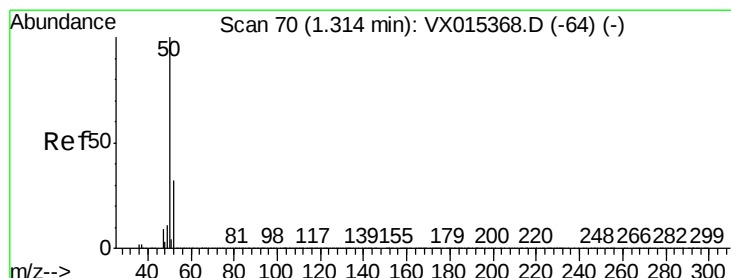
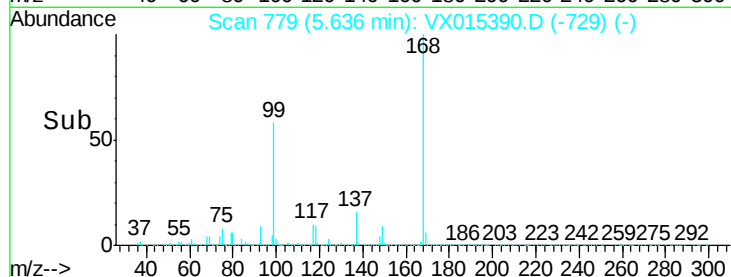
100000

0

5.60

5.80

Time-->



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015390.D

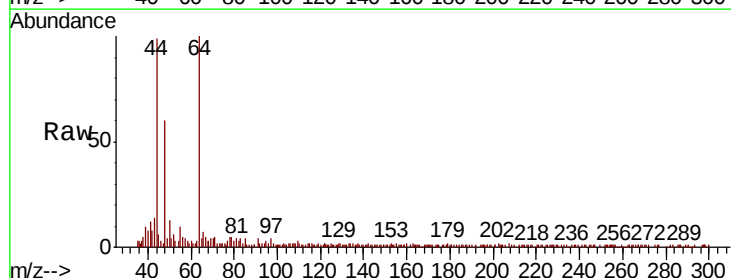
Acq: 27 Mar 2020 18:29

Tgt Ion: 50 Resp: 3129

Ion Ratio Lower Upper

50 100

52 36.9 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

3000

2000

1000

0

1.28

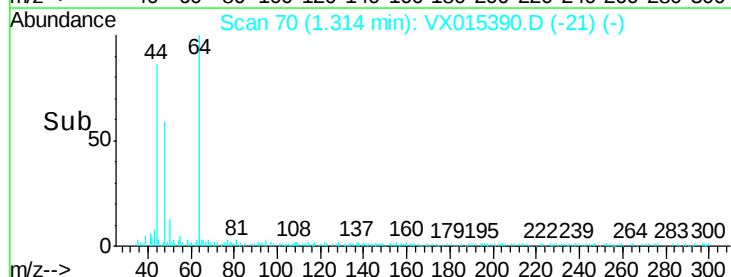
1.30

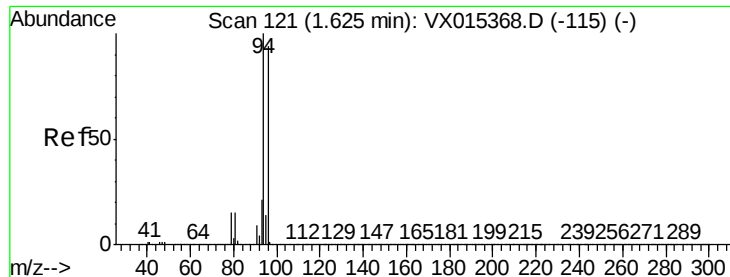
1.32

1.34

1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

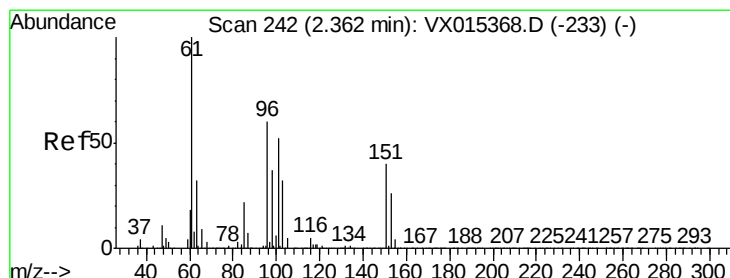
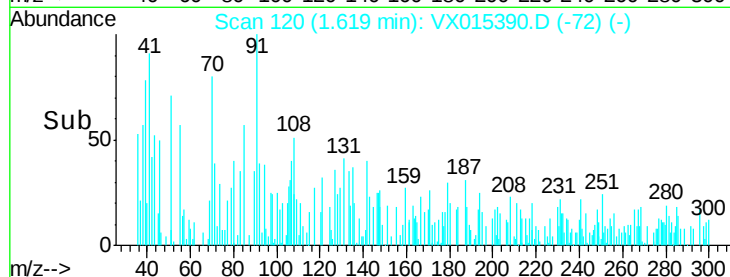
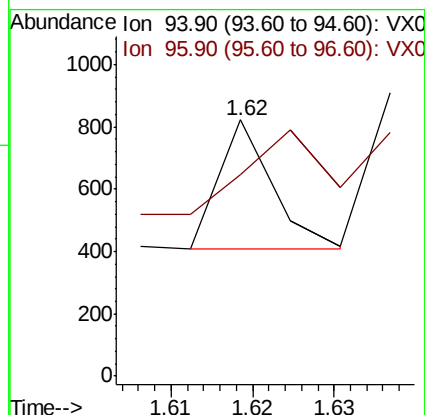
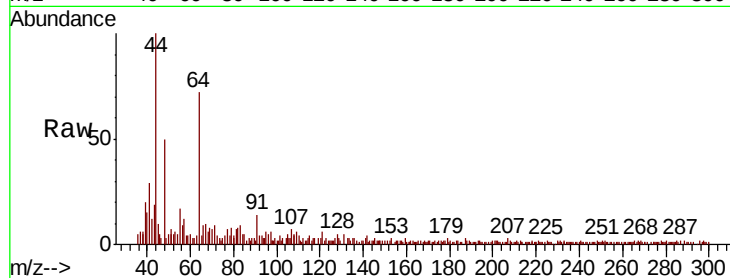
RE123D2-20200317

Tot Ion: 94 Resp: 186

Ion Ratio Lower Upper

94 100

96 30.3 74.8 112.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.412 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

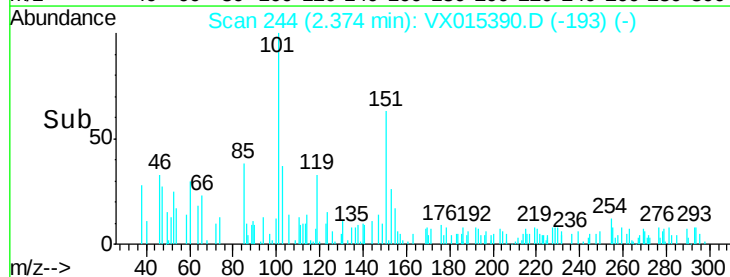
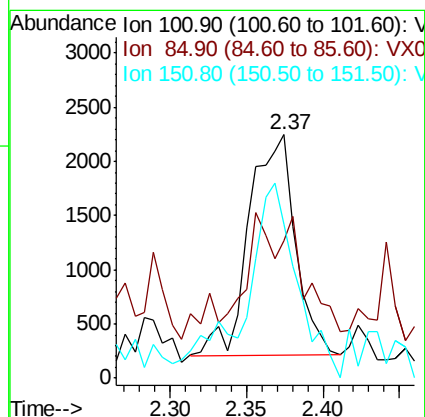
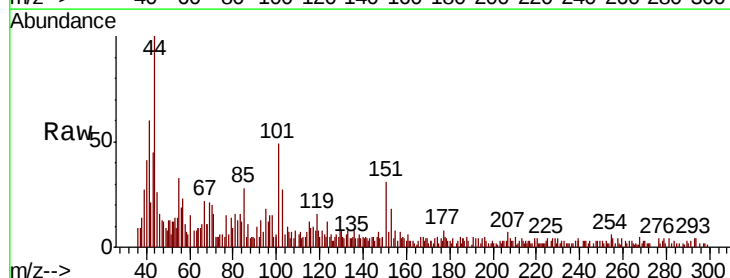
Tgt Ion: 101 Resp: 4323

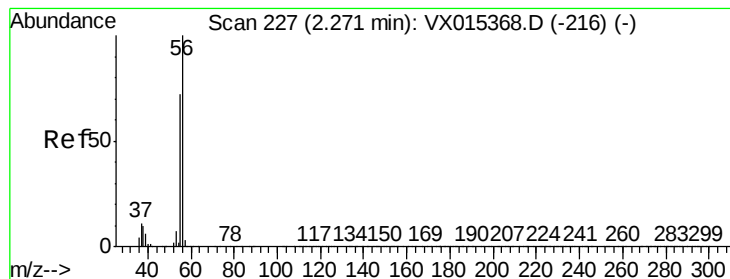
Ion Ratio Lower Upper

101 100

85 25.4 35.0 52.4#

151 78.8 64.1 96.1





#13

Acrolein

Concen: 0.336 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

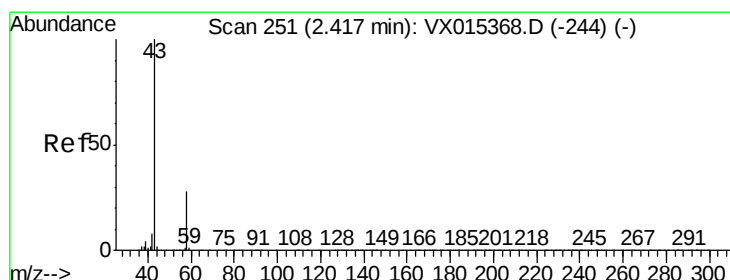
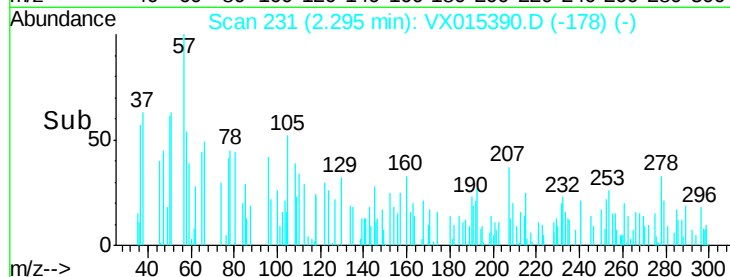
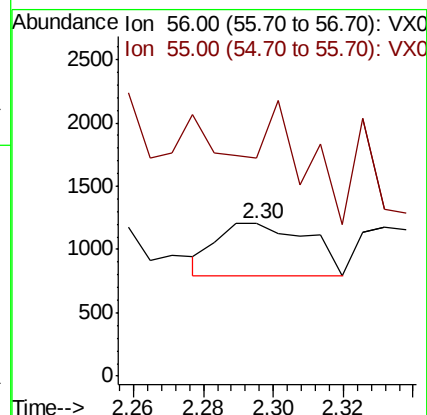
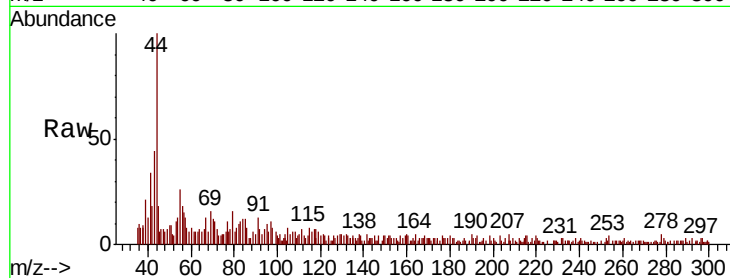
RE123D2-20200317

Tot Ion: 56 Resp: 753

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 1.502 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015390.D

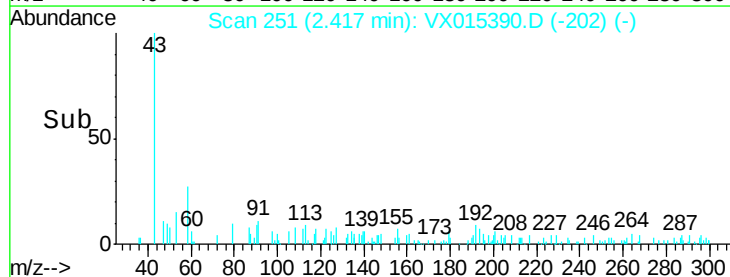
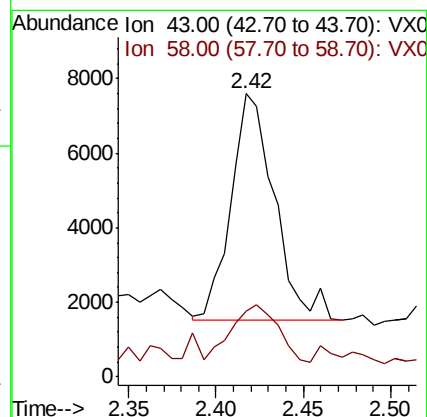
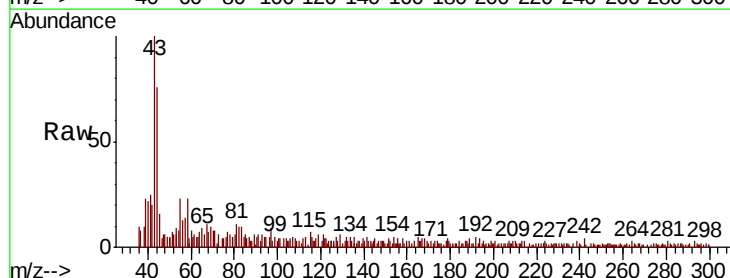
Acq: 27 Mar 2020 18:29

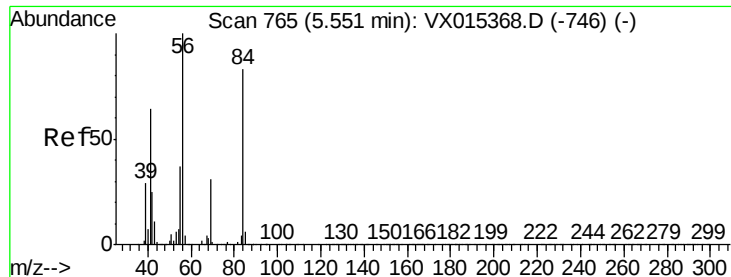
Tgt Ion: 43 Resp: 10610

Ion Ratio Lower Upper

43 100

58 19.5 22.1 33.1#

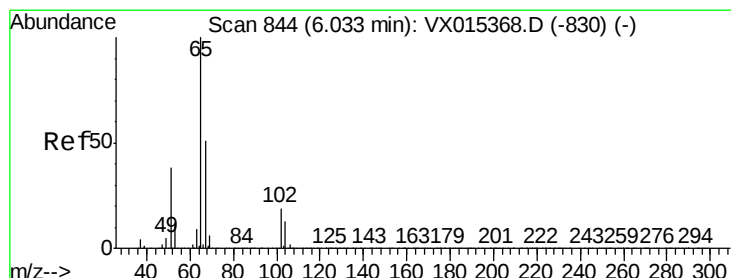
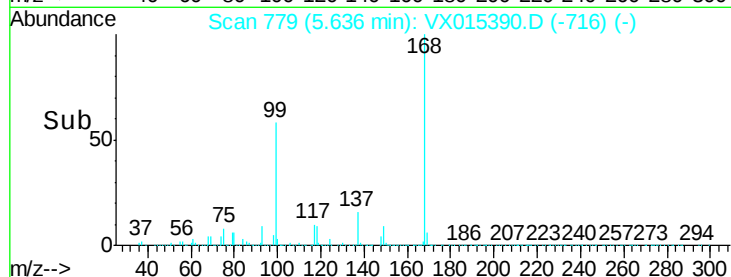
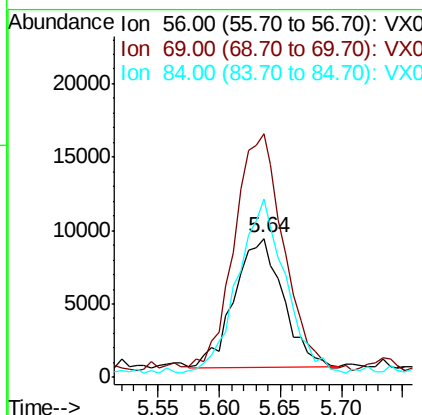
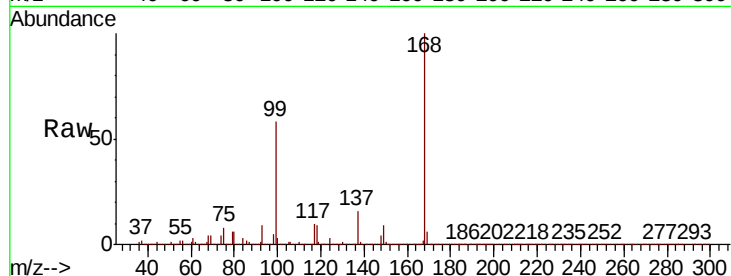




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

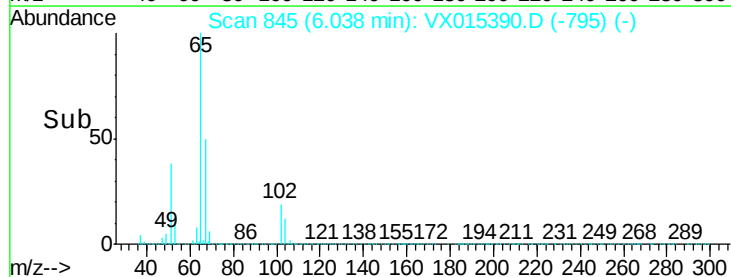
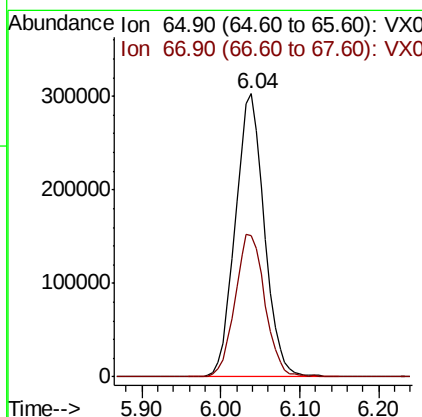
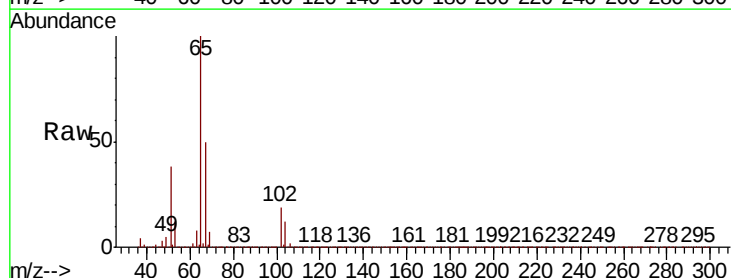
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20200317

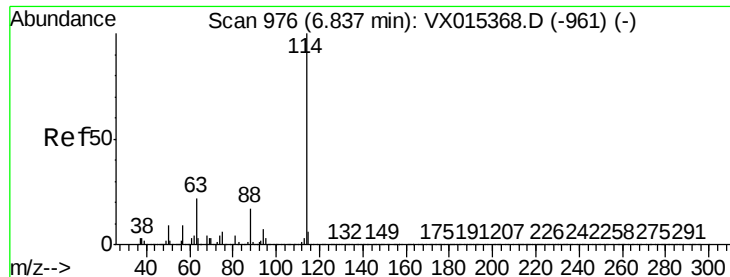
Tot Ion: 56 Resp: 24295
Ion Ratio Lower Upper
56 100
69 182.7 24.6 36.8#
84 134.1 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 47.200 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

Tgt Ion: 65 Resp: 775851
Ion Ratio Lower Upper
65 100
67 51.5 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: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20200317

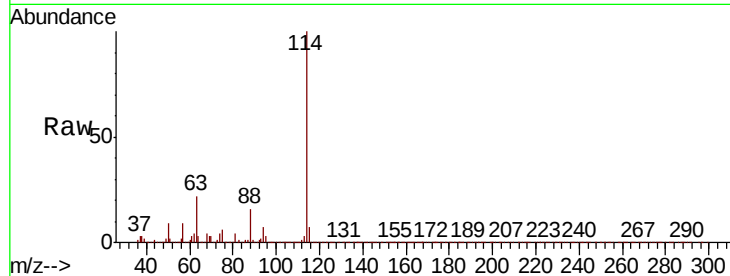
Tot Ion:114 Resp: 1901746

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.2

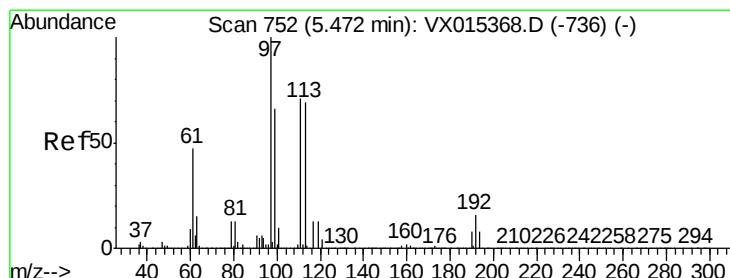
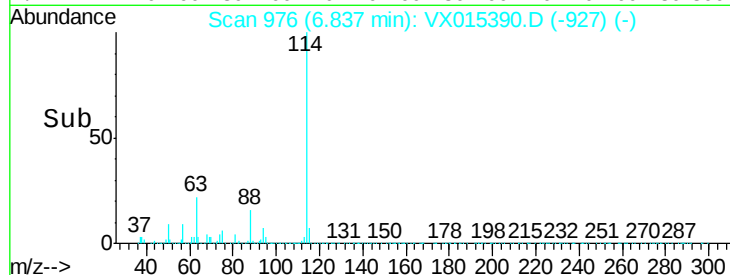
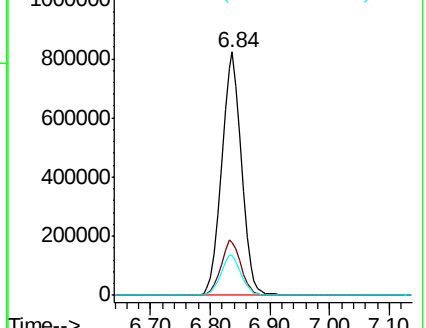
88 16.3 0.0 33.8



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: 49.284 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

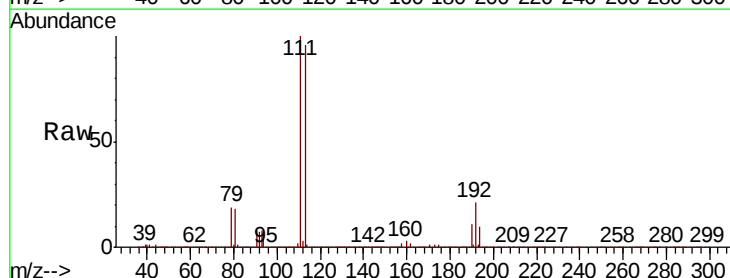
Tgt Ion:113 Resp: 599120

Ion Ratio Lower Upper

113 100

111 102.1 81.5 122.3

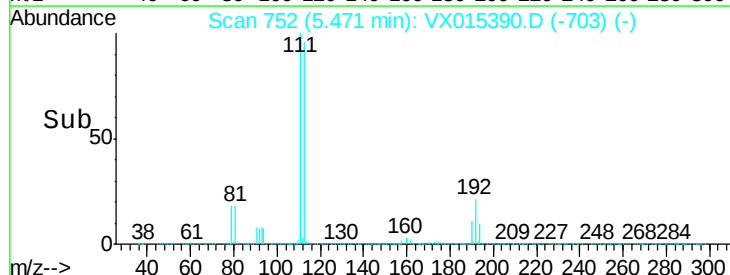
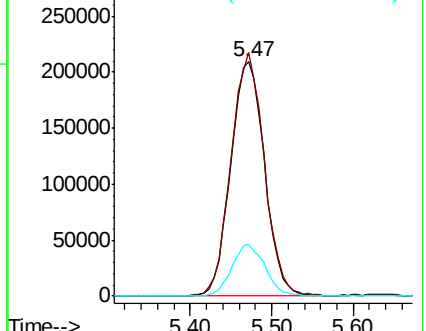
192 21.6 17.8 26.6

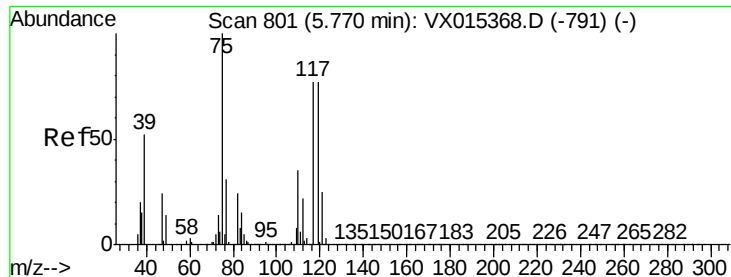


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

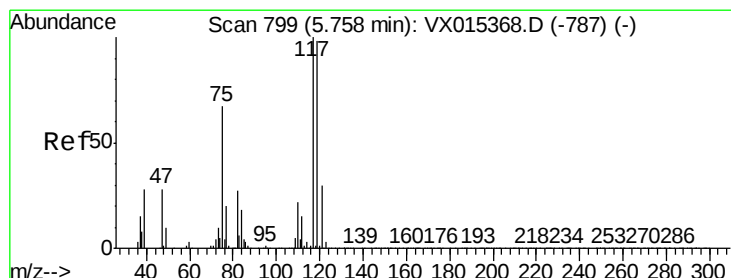
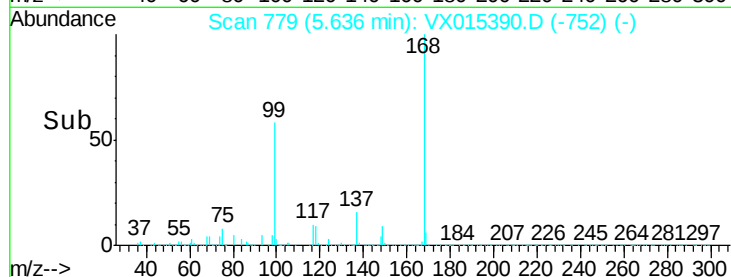
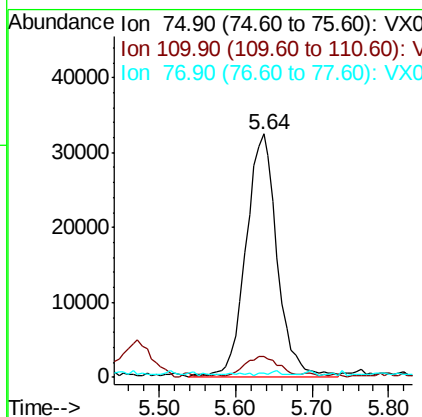
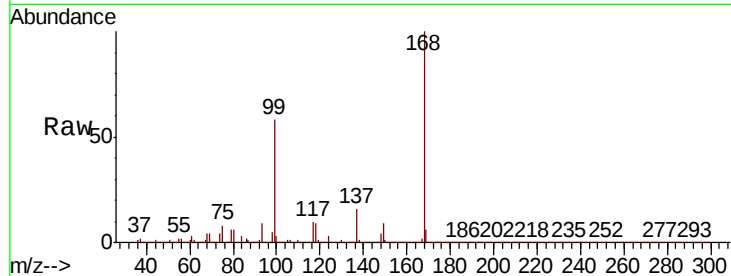




#36
 1,1-Dichloropropene
 Concen: 5.286 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015390.D
 Acq: 27 Mar 2020 18:29

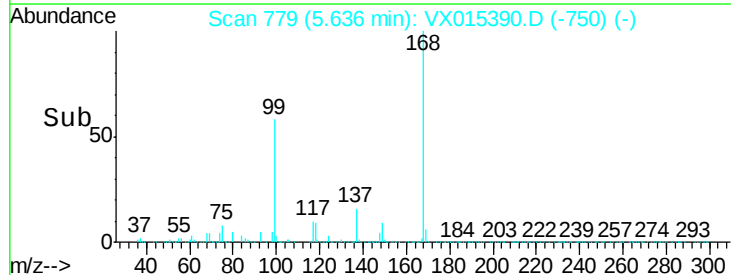
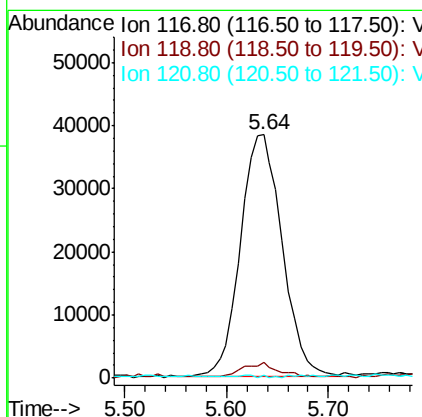
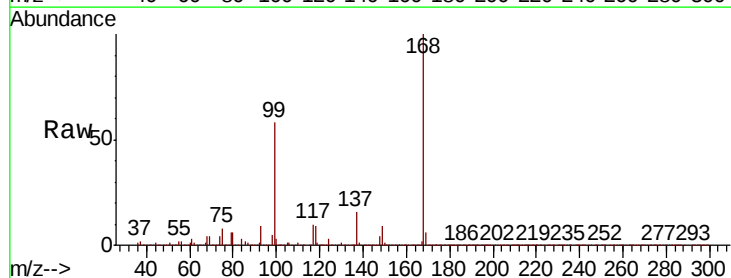
Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D2-20200317

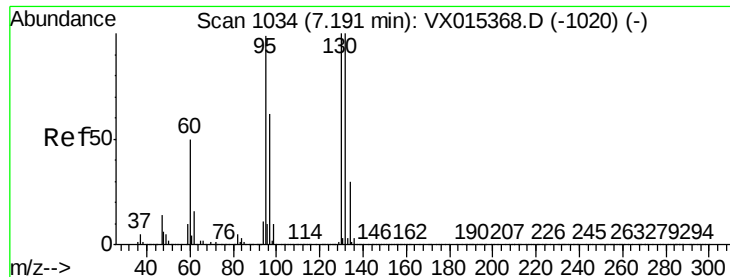
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.1	51.3#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.753 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015390.D
 Acq: 27 Mar 2020 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	78.0	117.0#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 2.382 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

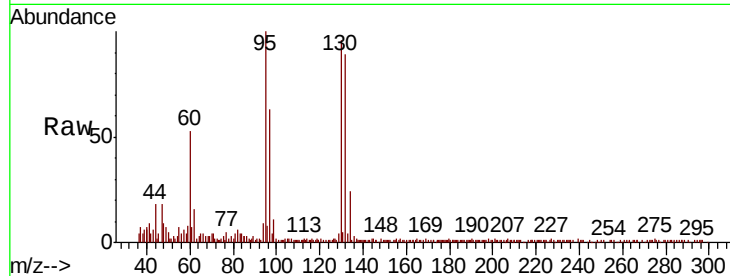
RE123D2-20200317

Tot Ion:130 Resp: 33349

Ion Ratio Lower Upper

130 100

95 103.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

20000

15000

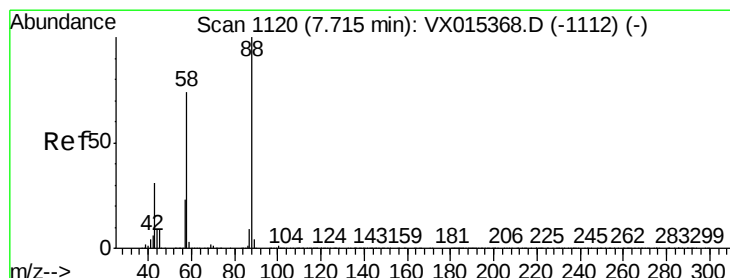
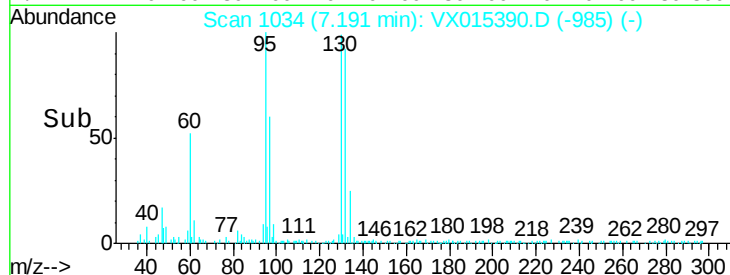
10000

5000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 0.713 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

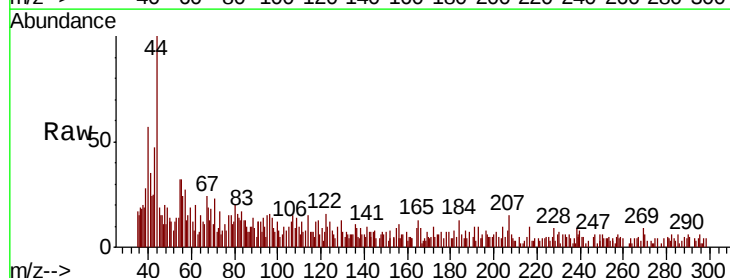
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 167.6 30.1 45.1#

58 0.0 60.6 90.8#



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

2000

1500

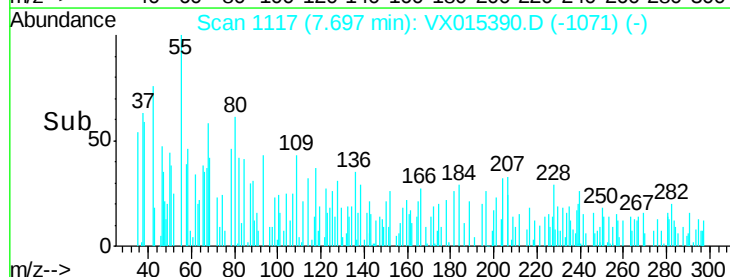
1000

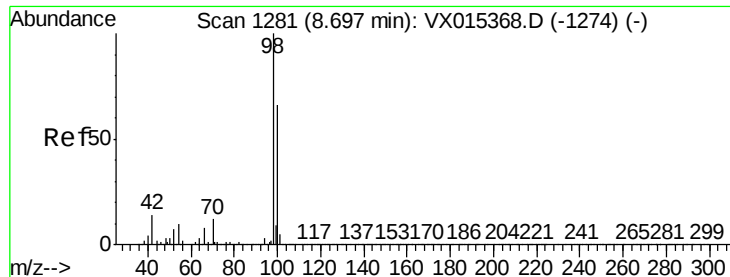
500

0

7.68 7.69 7.70 7.71

Time-->

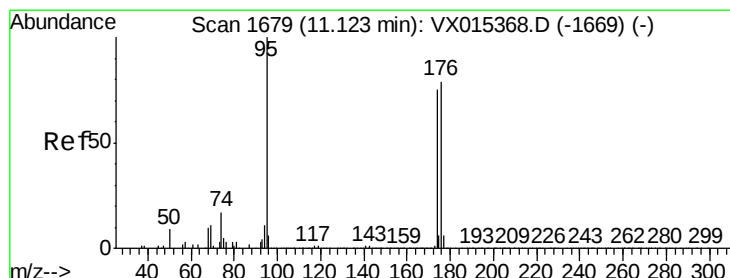
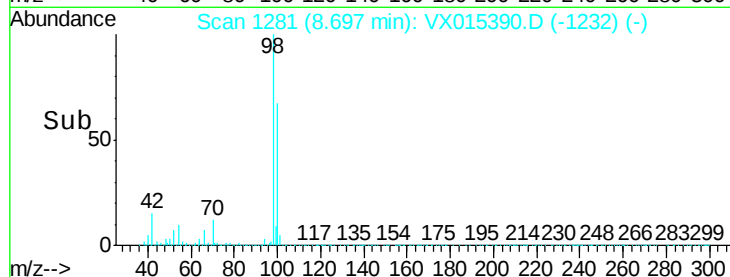
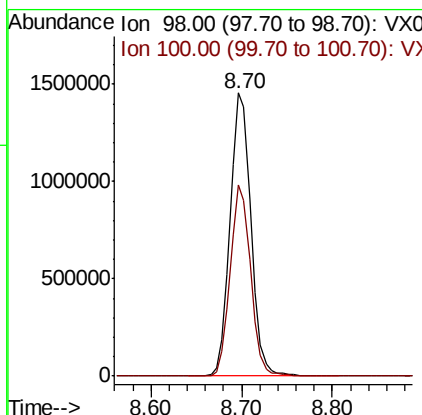
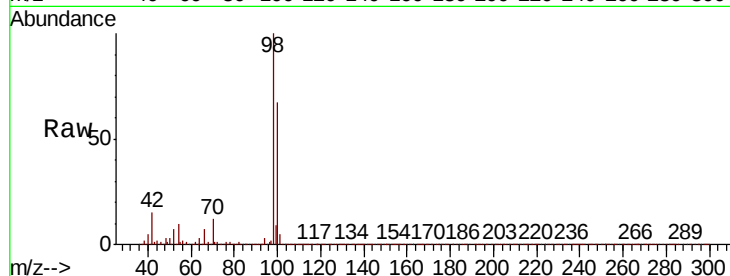




#50
Toluene-d8
Concen: 51.781 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

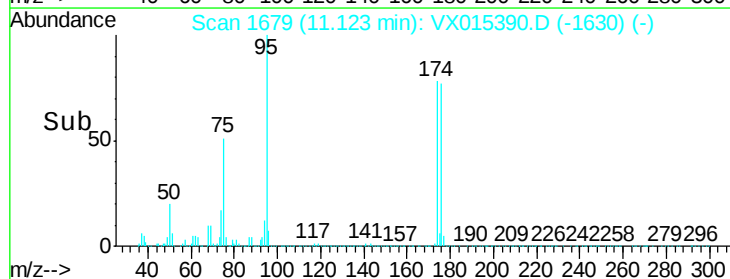
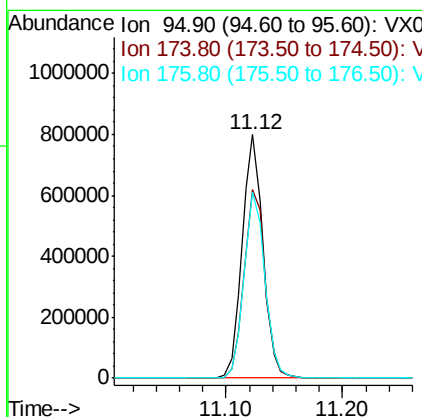
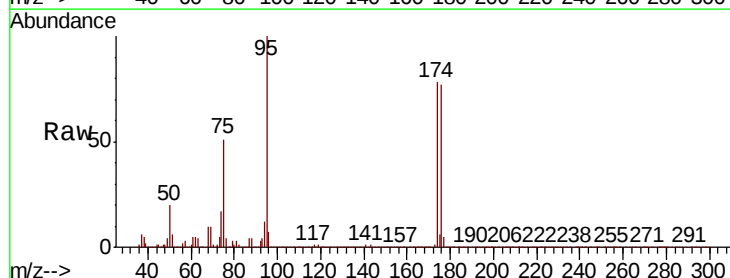
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20200317

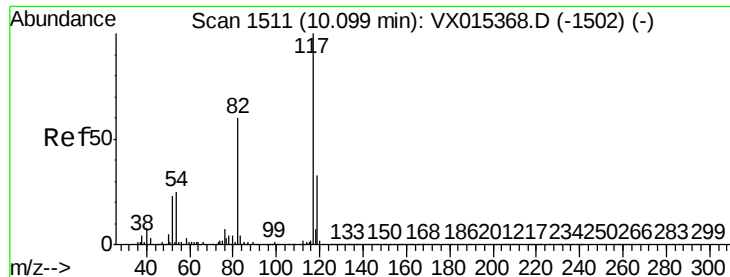
Tot Ion: 98 Resp: 2317567
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 54.665 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

Tgt Ion: 95 Resp: 994317
Ion Ratio Lower Upper
95 100
174 79.0 0.0 158.6
176 77.2 0.0 159.0

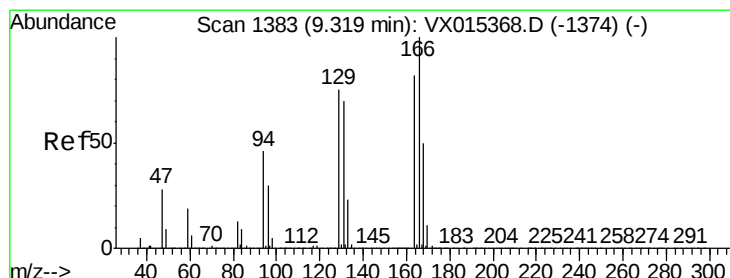
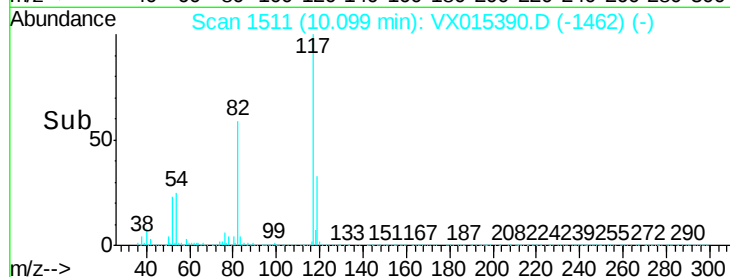
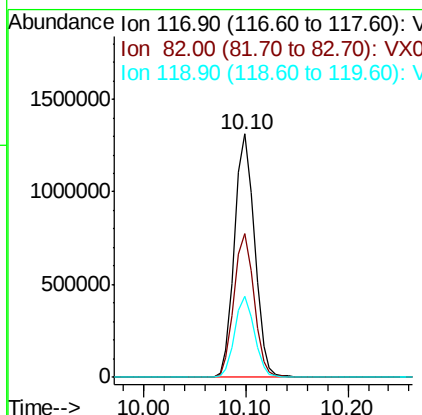
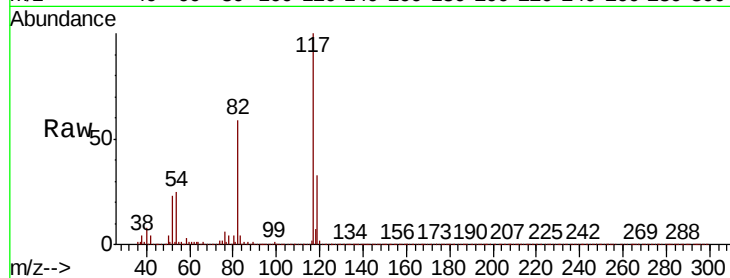




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

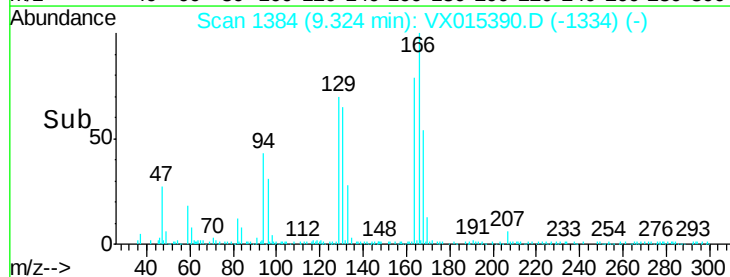
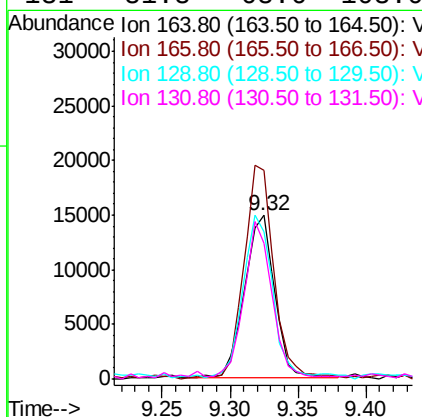
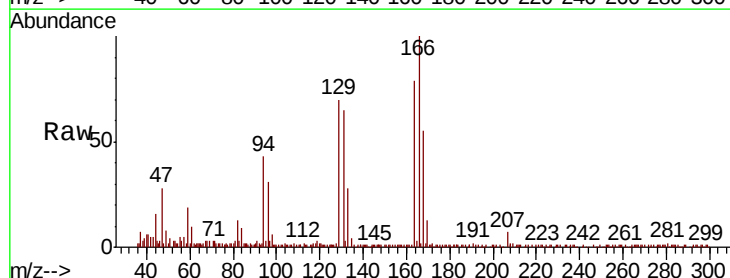
Instrument :
MSVOA_X
ClientSampleId :
RE123D2-20200317

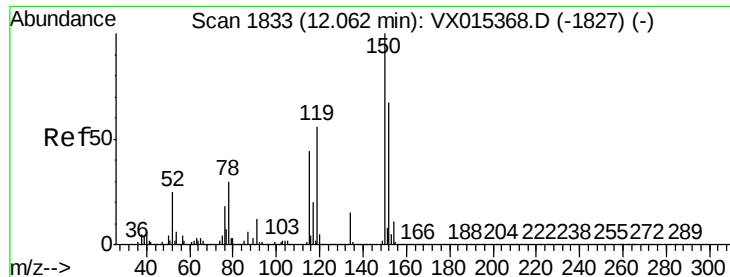
Tot Ion:117 Resp: 1784103
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.8
119 33.2 26.8 40.2



#64
Tetrachloroethene
Concen: 1.706 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015390.D
Acq: 27 Mar 2020 18:29

Tgt Ion:164 Resp: 22965
Ion Ratio Lower Upper
164 100
166 127.4 97.8 146.6
129 88.9 73.0 109.4
131 81.8 68.6 103.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20200317

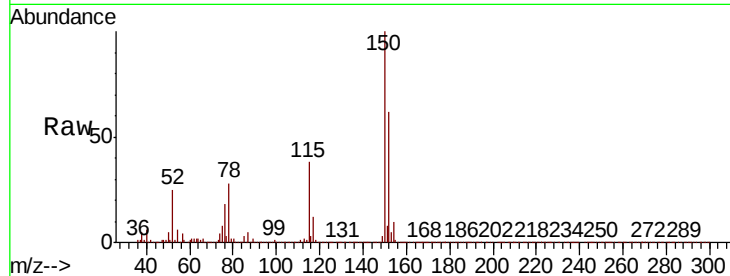
Tot Ion:152 Resp: 948527

Ion Ratio Lower Upper

152 100

115 59.2 39.0 116.9

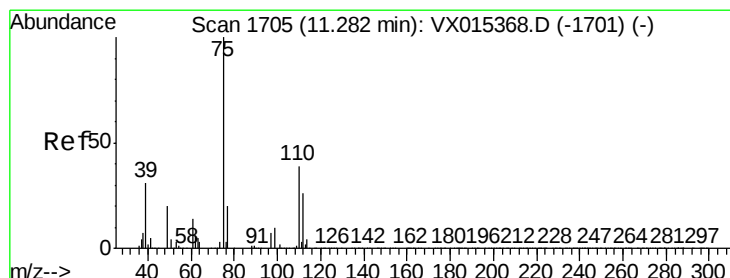
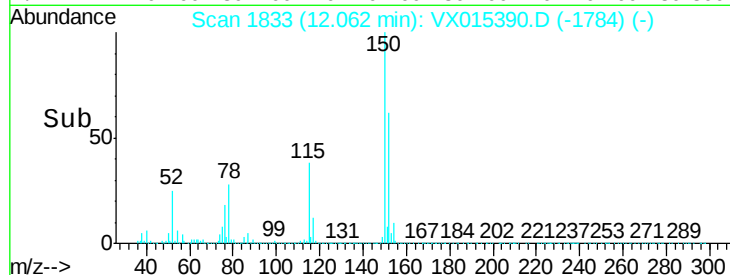
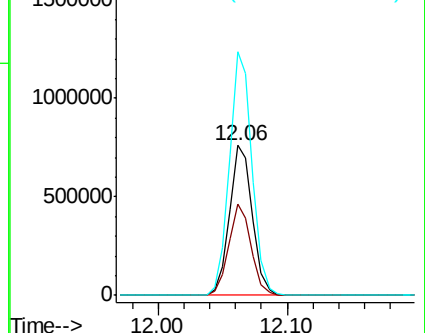
150 160.7 0.0 340.8



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: 26.106 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015390.D

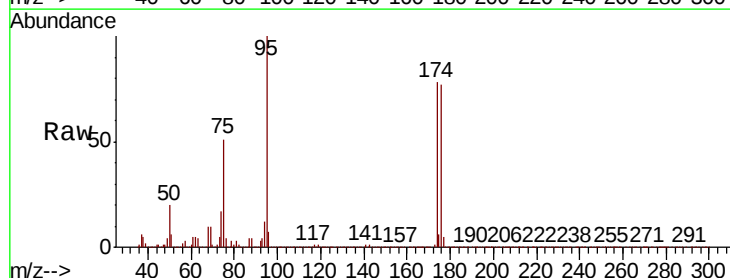
Acq: 27 Mar 2020 18:29

Tgt Ion: 75 Resp: 509215

Ion Ratio Lower Upper

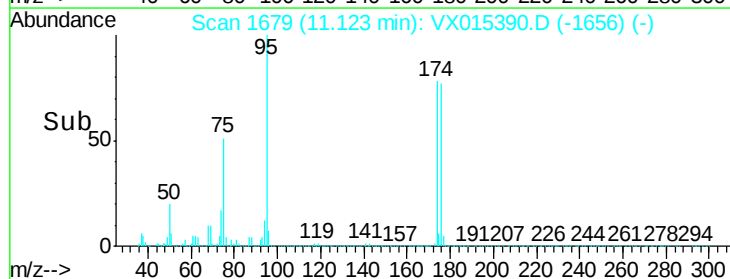
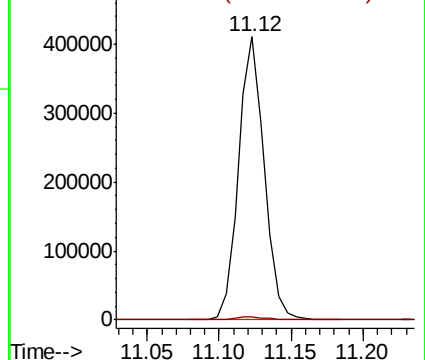
75 100

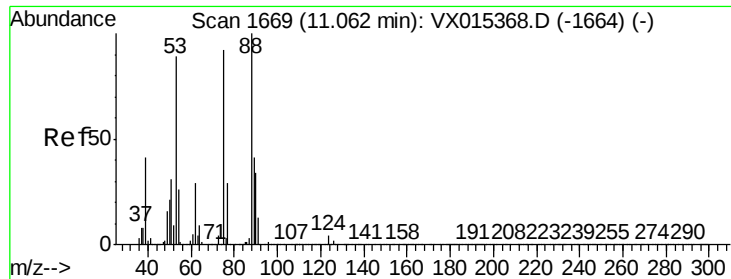
77 1.1 21.2 63.6#



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: 62.640 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015390.D

Acq: 27 Mar 2020 18:29

Instrument :

MSVOA_X

ClientSampleId :

RE123D2-20200317

Tot Ion: 75 Resp: 509215

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

