

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015391.D
 Acq On : 27 Mar 2020 18:52
 Operator : JC/SP
 Sample : L1997-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20200317

Quant Time: Mar 30 01:46:15 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	5.63	168	1162134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1868925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1793989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	933376	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	757480	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
35) Dibromofluoromethane	5.47	113	577592	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.70	98	2219081	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	959778	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	

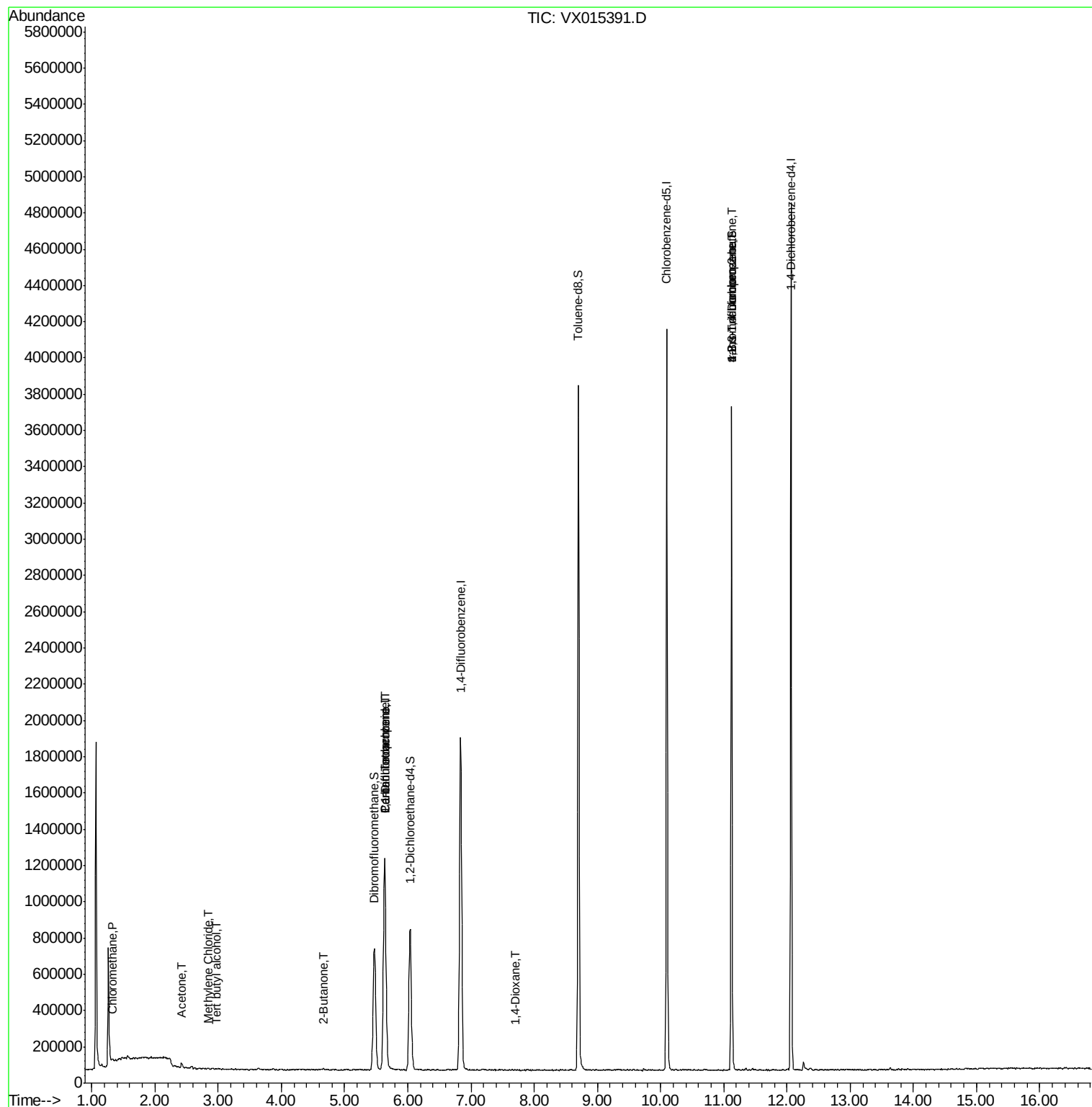
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4407	0.338	ug/l #	87
5) Bromomethane	1.63	94	226	Below Cal	#	8
11) Tert butyl alcohol	2.97	59	884	0.225	ug/l #	25
16) Acetone	2.42	43	31747	4.508	ug/l #	89
20) Methylene Chloride	2.84	84	2766	0.210	ug/l #	76
25) 2-Butanone	4.66	43	2458	0.217	ug/l #	60
36) 1,1-Dichloropropene	5.63	75	85560	4.969	ug/l #	53
38) Carbon Tetrachloride	5.64	117	110910	5.947	ug/l #	14
49) 1,4-Dioxane	7.69	88	826	2.342	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	498739	25.984	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	498739	62.347	ug/l #	10

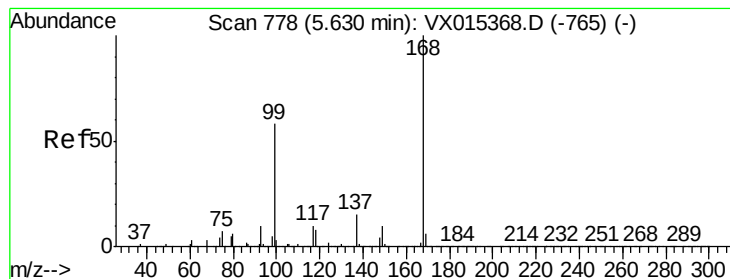
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

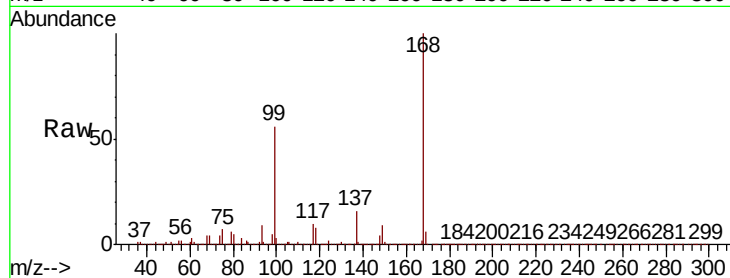
RE123D3-20200317

Tot Ion:168 Resp: 1162134

Ion Ratio Lower Upper

168 100

99 56.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

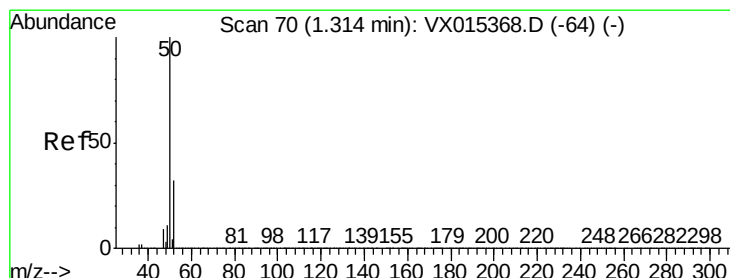
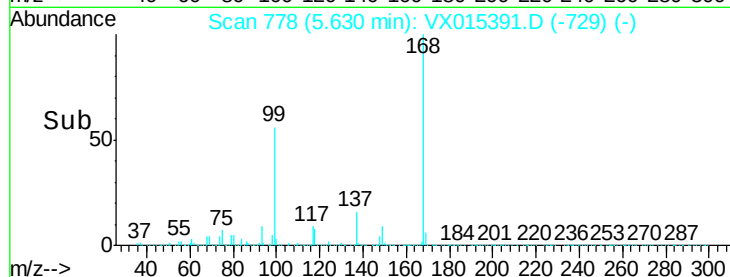
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.338 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015391.D

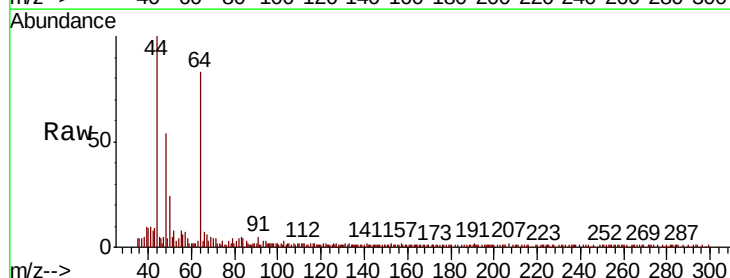
Acq: 27 Mar 2020 18:52

Tgt Ion: 50 Resp: 4407

Ion Ratio Lower Upper

50 100

52 24.2 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

5000

4000

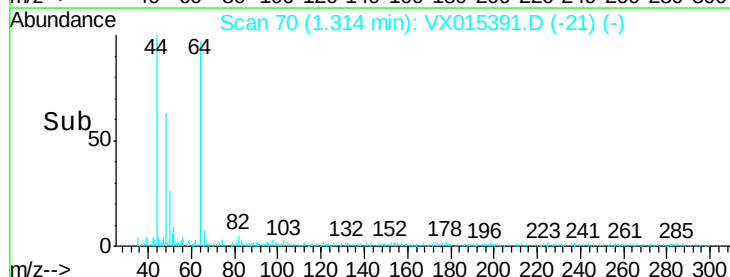
3000

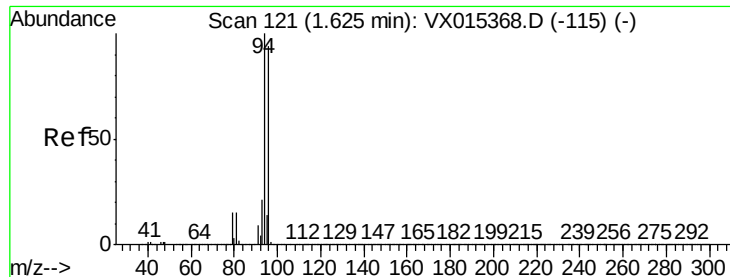
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

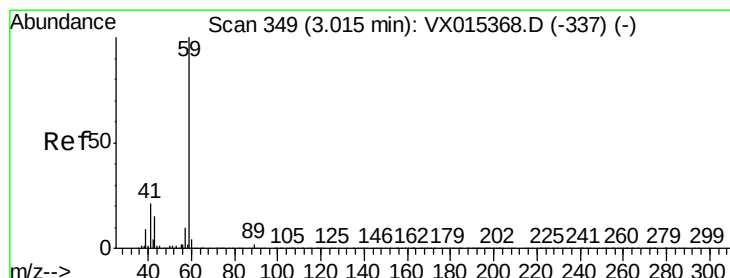
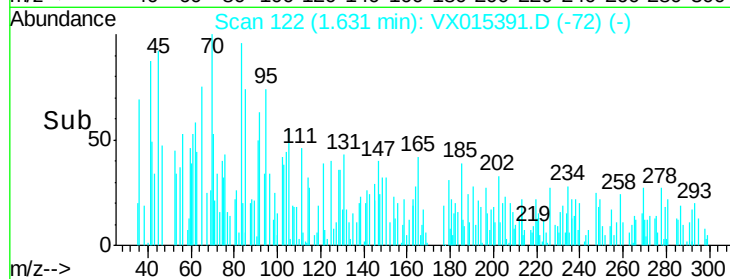
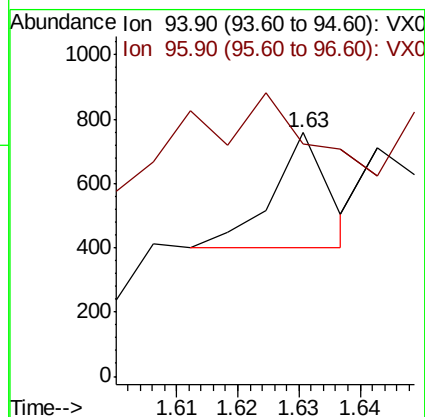
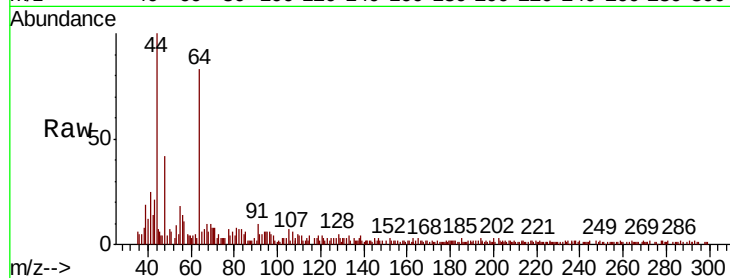
RE123D3-20200317

Tot Ion: 94 Resp: 226

Ion Ratio Lower Upper

94 100

96 5.3 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.225 ug/l

RT: 2.97 min Scan# 342

Delta R.T. -0.04 min

Lab File: VX015391.D

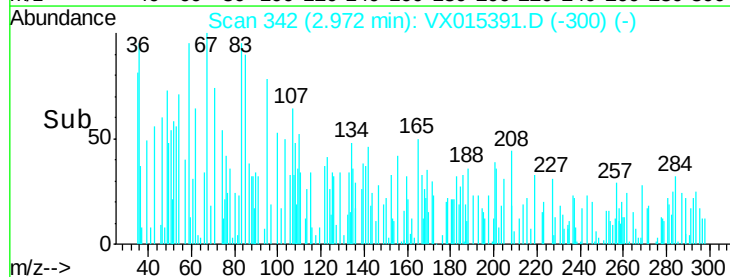
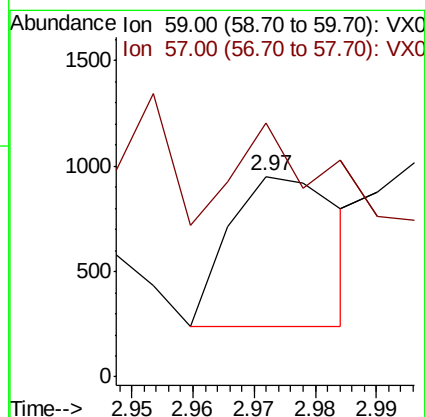
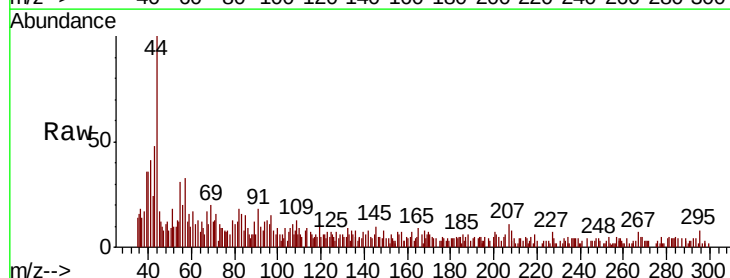
Acq: 27 Mar 2020 18:52

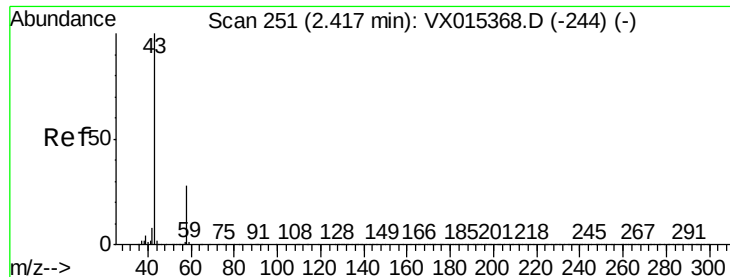
Tgt Ion: 59 Resp: 884

Ion Ratio Lower Upper

59 100

57 37.8 8.1 12.1#





#16

Acetone

Concen: 4.508 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

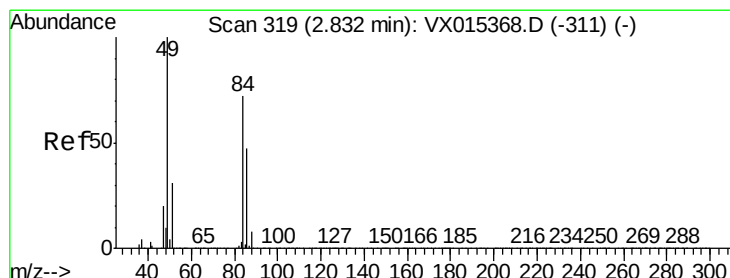
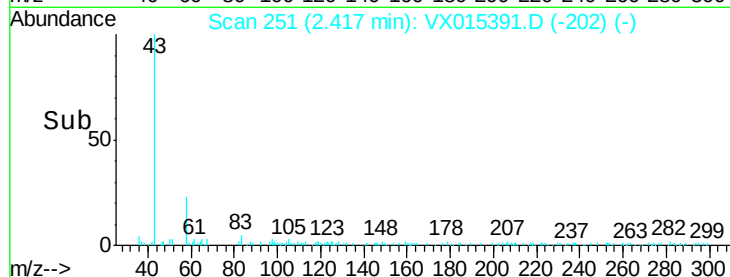
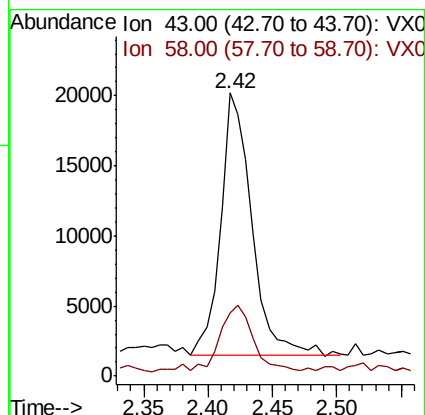
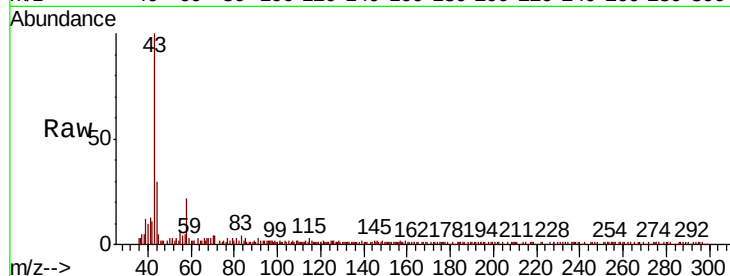
RE123D3-20200317

Tot Ion: 43 Resp: 31747

Ion Ratio Lower Upper

43 100

58 22.1 22.1 33.1#



#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.84 min Scan# 320

Delta R.T. 0.01 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Tgt Ion: 84 Resp: 2766

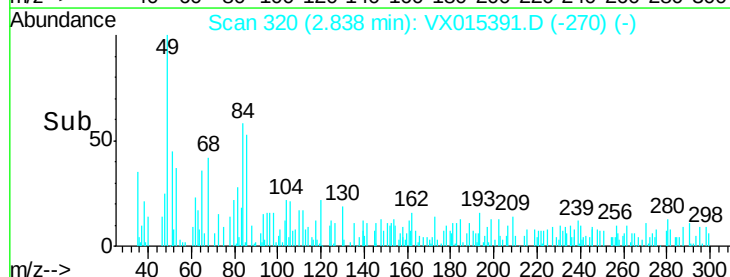
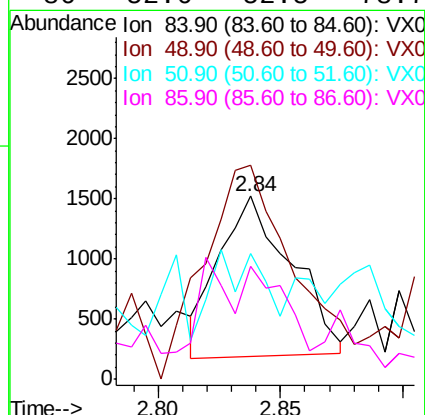
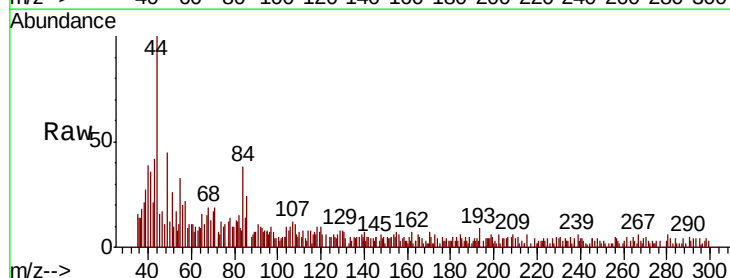
Ion Ratio Lower Upper

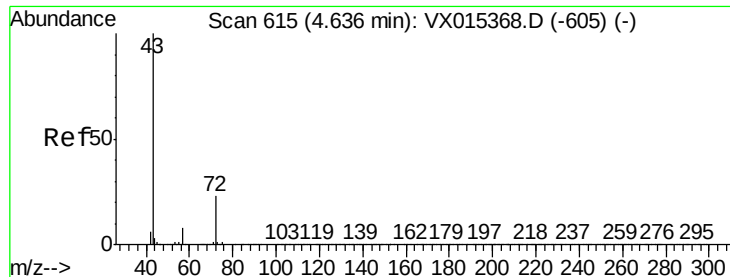
84 100

49 106.4 111.3 166.9#

51 60.3 34.0 51.0#

86 52.6 52.5 78.7

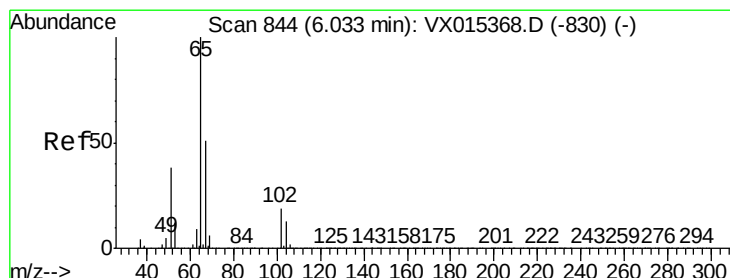
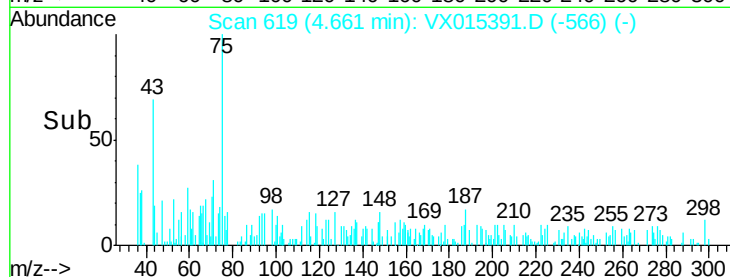
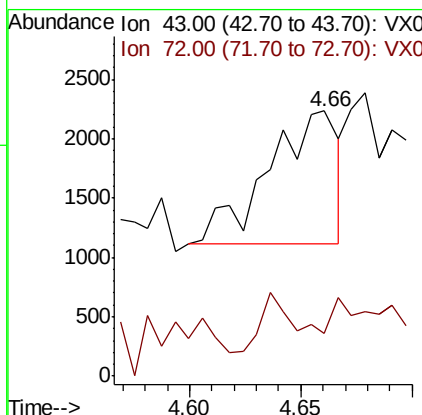
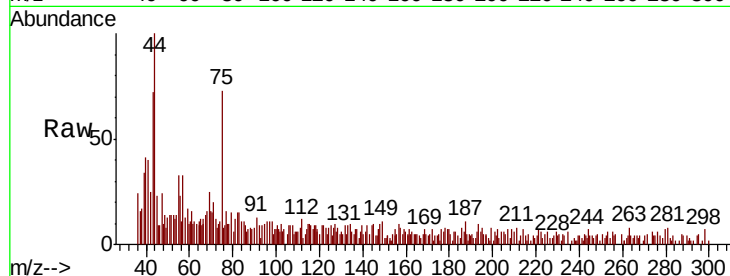




#25
2-Butanone
Concen: 0.217 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.02 min
Lab File: VX015391.D
Acq: 27 Mar 2020 18:52

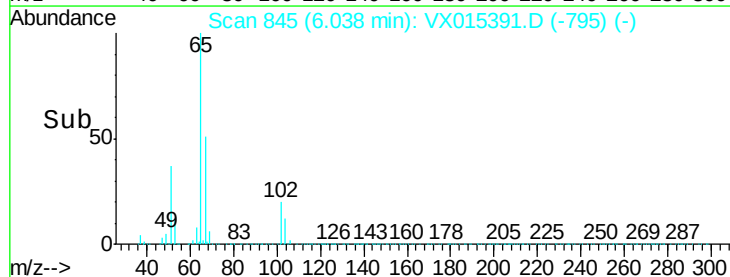
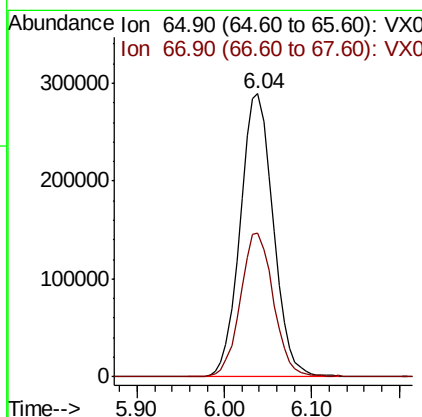
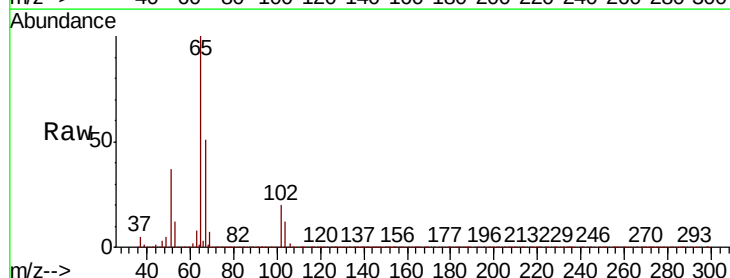
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20200317

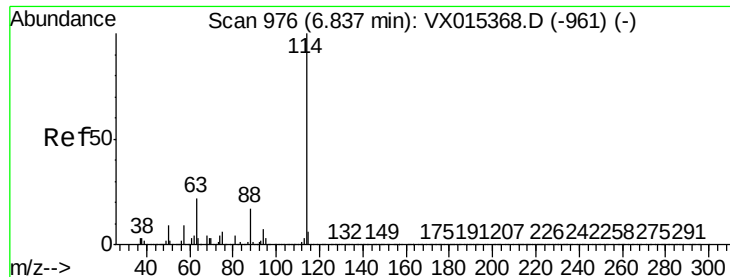
Tot Ion: 43 Resp: 2458
Ion Ratio Lower Upper
43 100
72 3.9 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 46.214 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015391.D
Acq: 27 Mar 2020 18:52

Tgt Ion: 65 Resp: 757480
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6

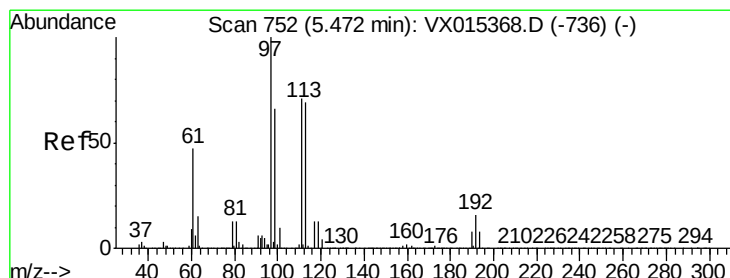
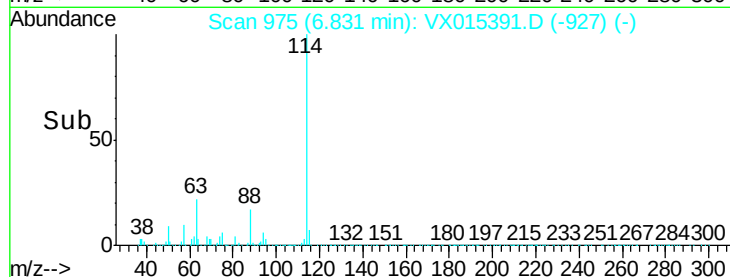
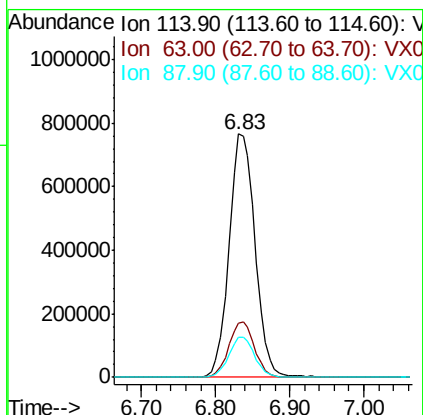
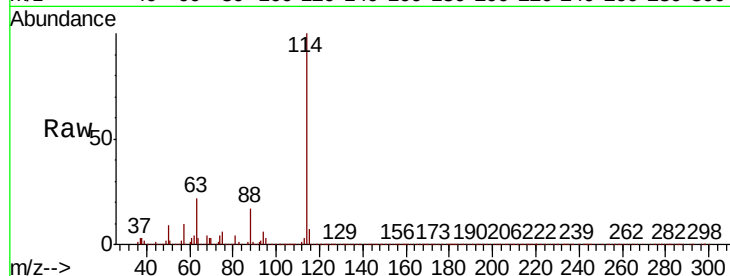




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 975
Delta R.T. -0.01 min
Lab File: VX015391.D
Acq: 27 Mar 2020 18:52

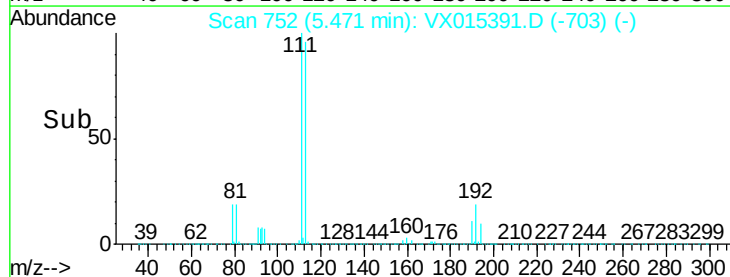
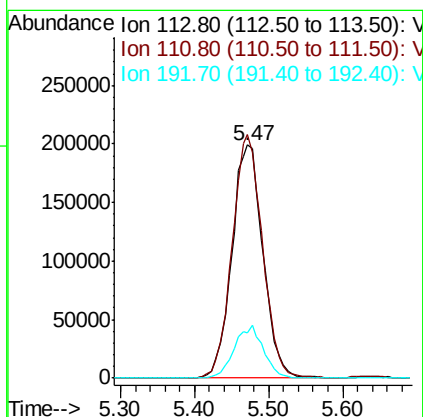
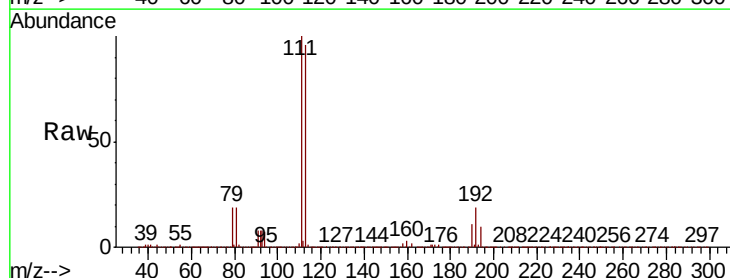
Instrument :
MSVOA_X
ClientSampleId :
RE123D3-20200317

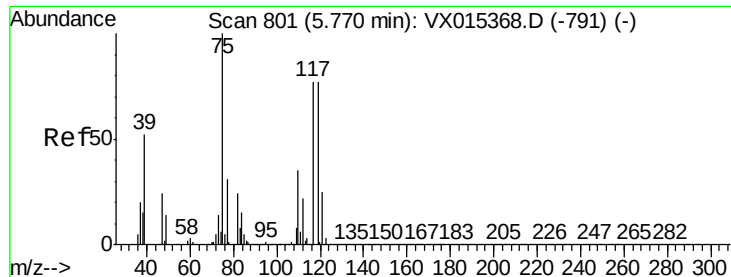
Tot Ion:114 Resp: 1868925
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.2
88 16.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 48.347 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015391.D
Acq: 27 Mar 2020 18:52

Tgt Ion:113 Resp: 577592
Ion Ratio Lower Upper
113 100
111 102.3 81.5 122.3
192 21.3 17.8 26.6





#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-20200317

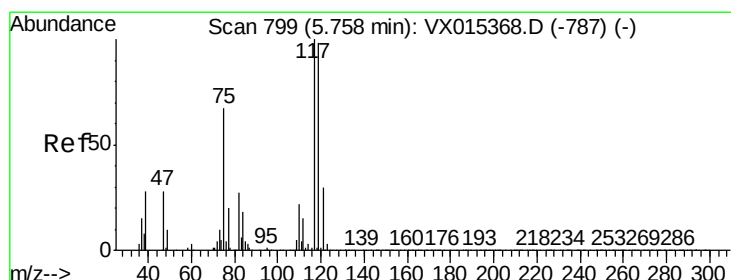
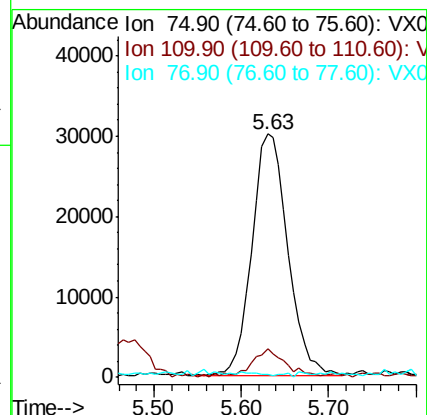
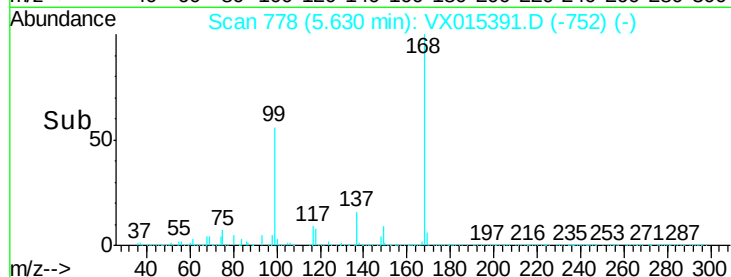
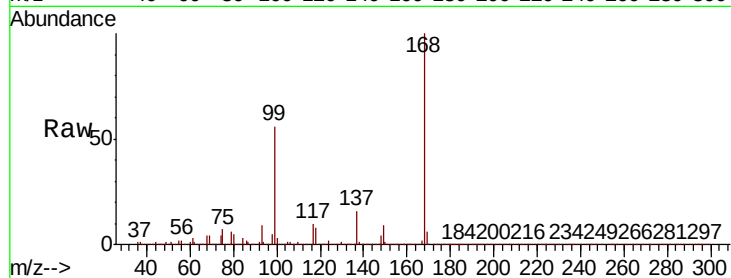
Tot Ion: 75 Resp: 85560

Ion Ratio Lower Upper

75 100

110 11.7 17.1 51.3#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

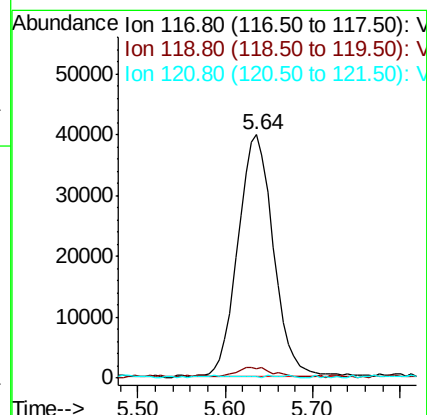
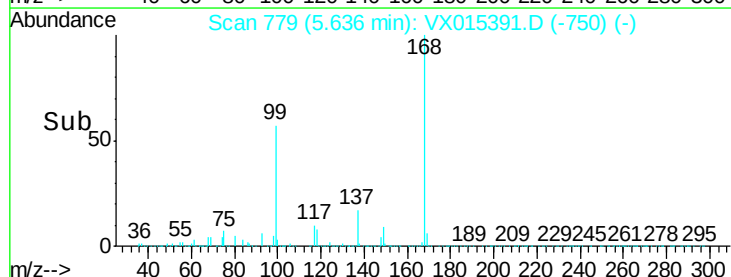
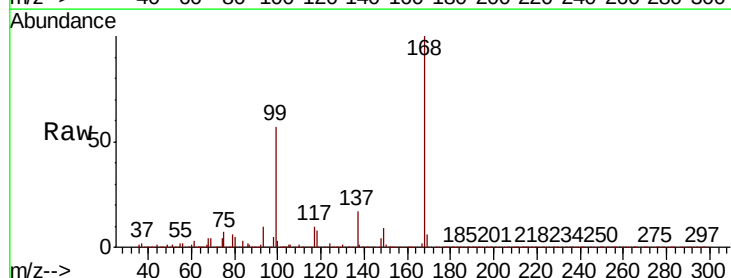
Tgt Ion: 117 Resp: 110910

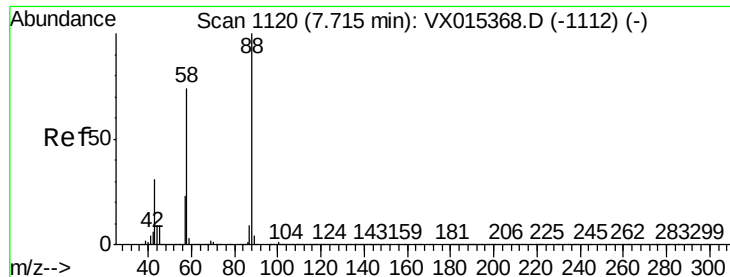
Ion Ratio Lower Upper

117 100

119 3.5 78.0 117.0#

121 0.6 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.342 ug/l

RT: 7.69 min Scan# 1116

Delta R.T. -0.02 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

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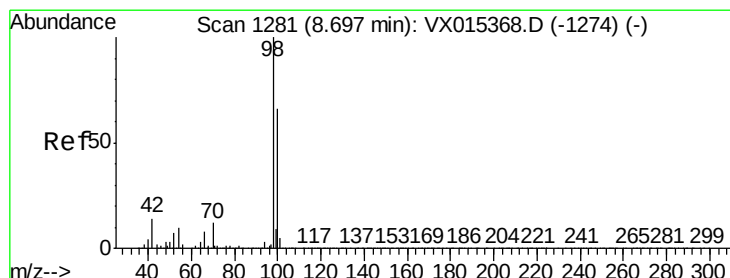
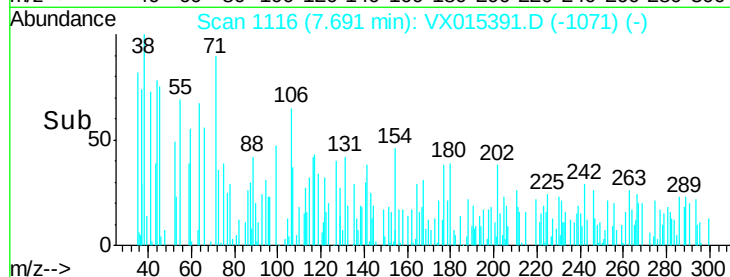
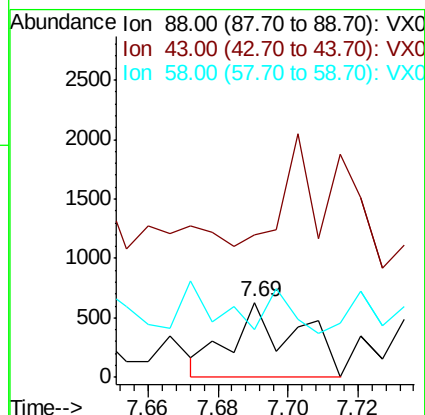
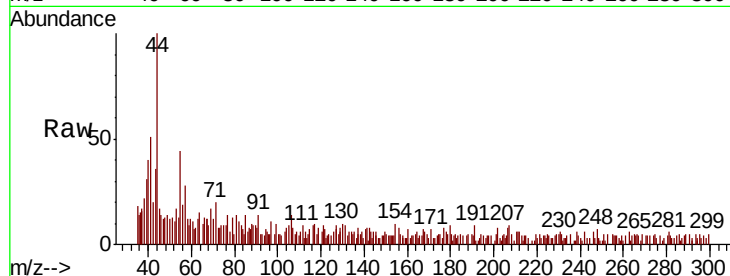
Tot Ion: 88 Resp: 826

Ion Ratio Lower Upper

88 100

43 154.4 30.1 45.1#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 50.451 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015391.D

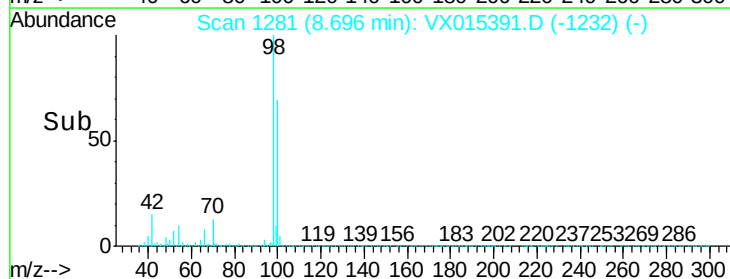
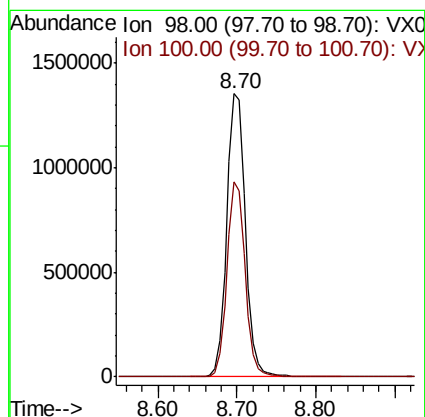
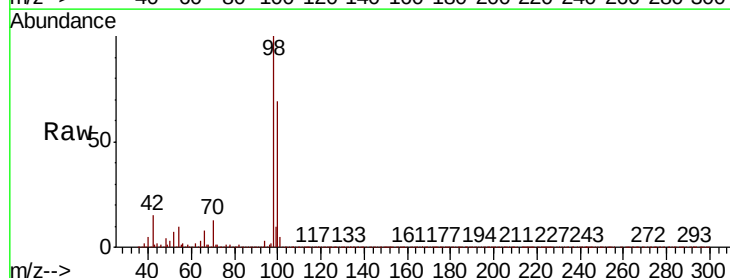
Acq: 27 Mar 2020 18:52

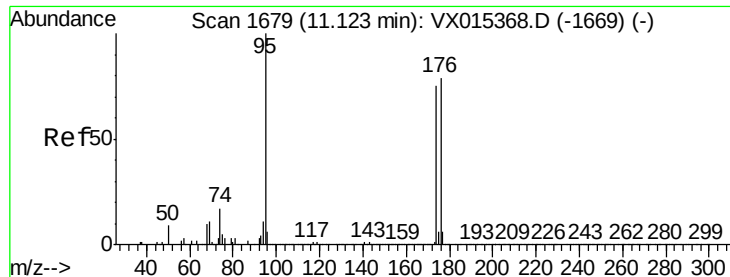
Tgt Ion: 98 Resp: 2219081

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 53.693 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-20200317

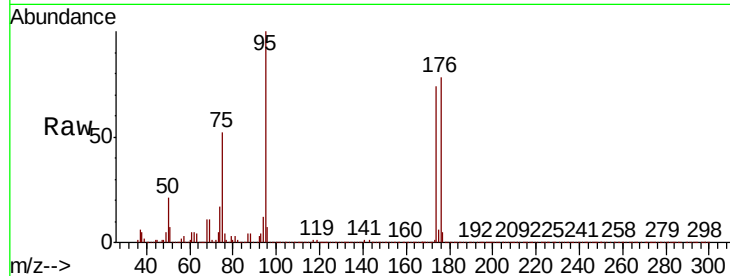
Tot Ion: 95 Resp: 959778

Ion Ratio Lower Upper

95 100

174 77.1 0.0 158.6

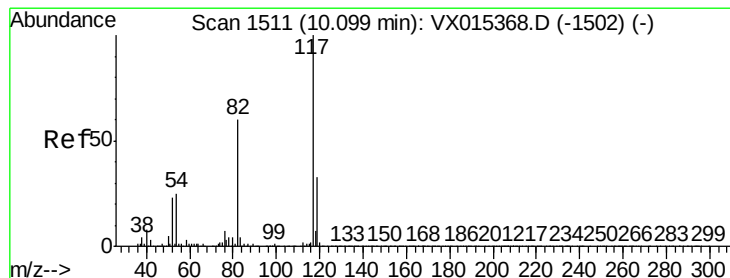
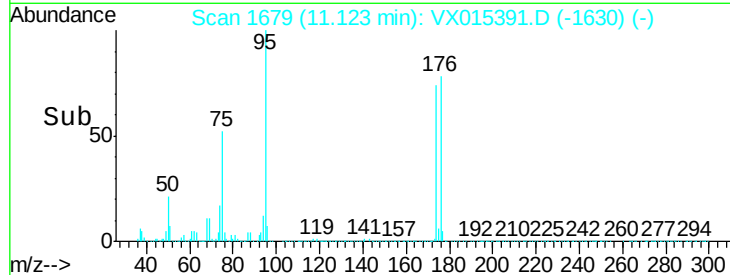
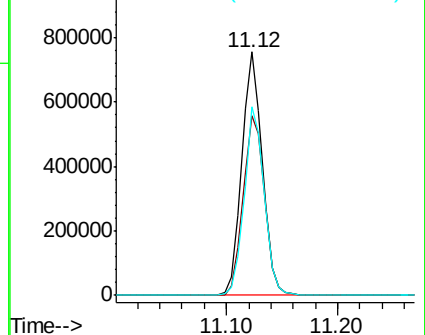
176 75.1 0.0 159.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

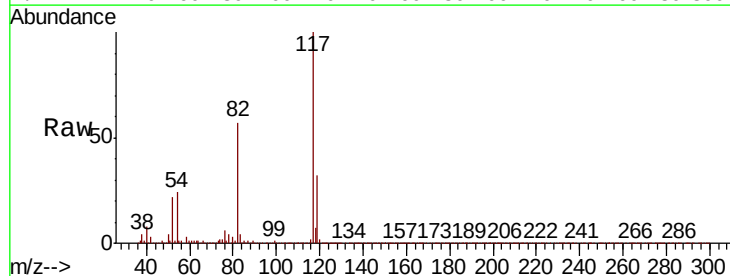
Tgt Ion: 117 Resp: 1793989

Ion Ratio Lower Upper

117 100

82 56.5 47.8 71.8

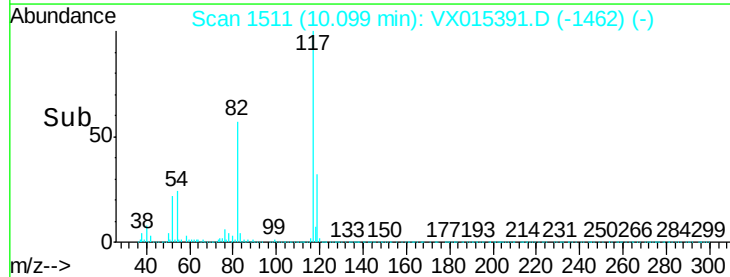
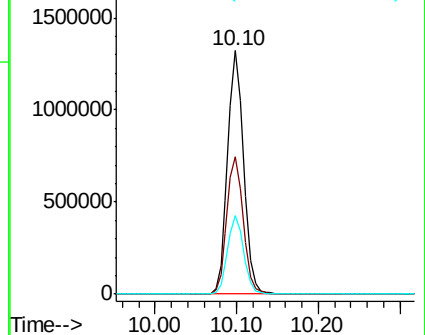
119 32.0 26.8 40.2

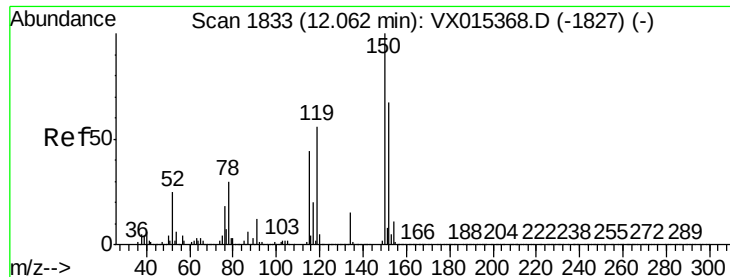


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

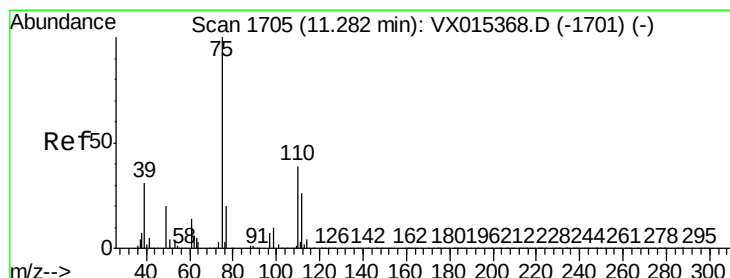
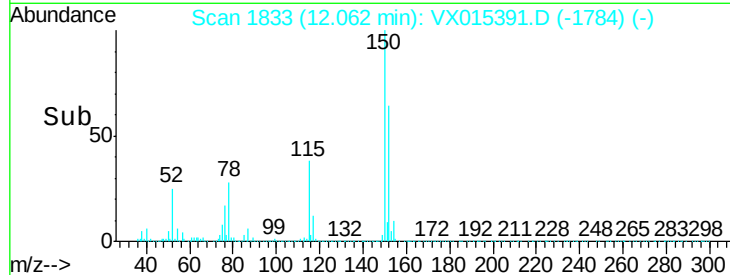
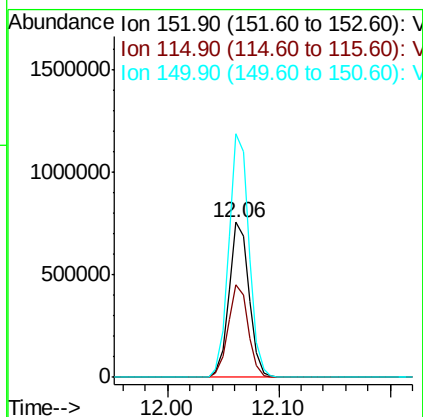
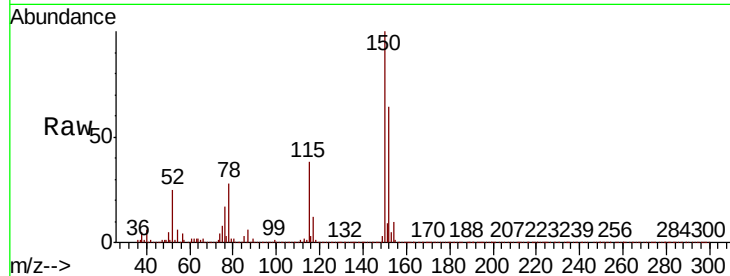




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX015391.D
 Acq: 27 Mar 2020 18:52

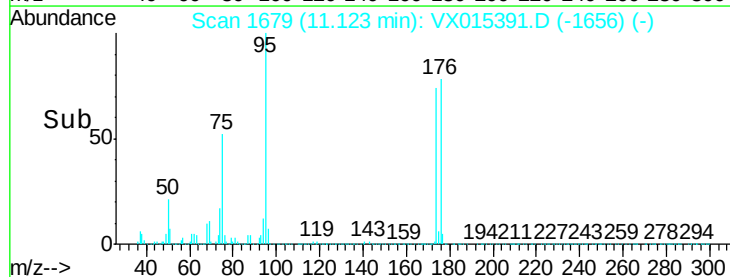
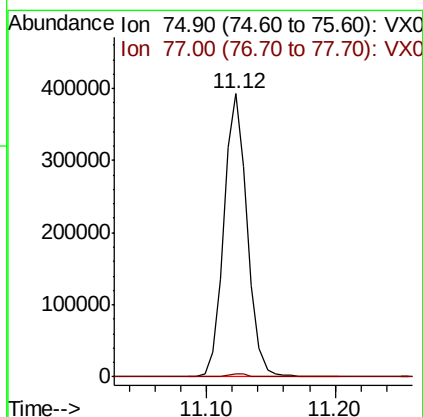
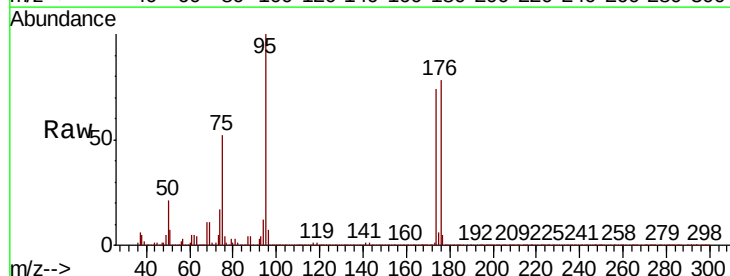
Instrument :
 MSVOA_X
 ClientSampleId :
 RE123D3-20200317

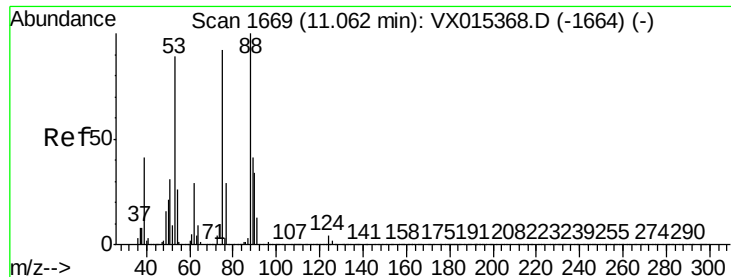
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	39.0	116.9
150	158.7	0.0	340.8



#76
 1,2,3-Trichloropropane
 Concen: 25.984 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015391.D
 Acq: 27 Mar 2020 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	21.2	63.6





#81

trans-1,4-Dichloro-2-butene

Concen: 62.347 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015391.D

Acq: 27 Mar 2020 18:52

Instrument :

MSVOA_X

ClientSampleId :

RE123D3-20200317

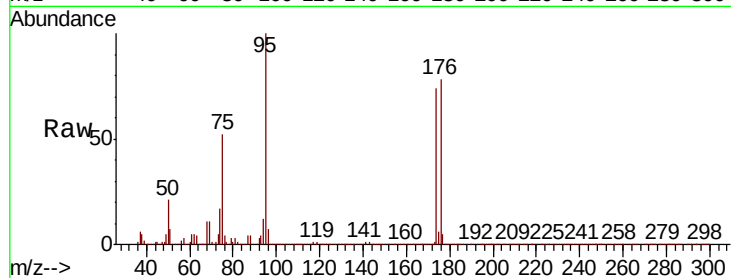
Tot Ion: 75 Resp: 498739

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



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

