

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015399.D
 Acq On : 27 Mar 2020 23:23
 Operator : JC/SP
 Sample : VX0327WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL02

Quant Time: Mar 30 01:48:57 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	1126987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1831382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1709401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	920347	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	749389	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
35) Dibromofluoromethane	5.47	113	568032	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.70	98	2240353	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	11.12	95	948660	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	

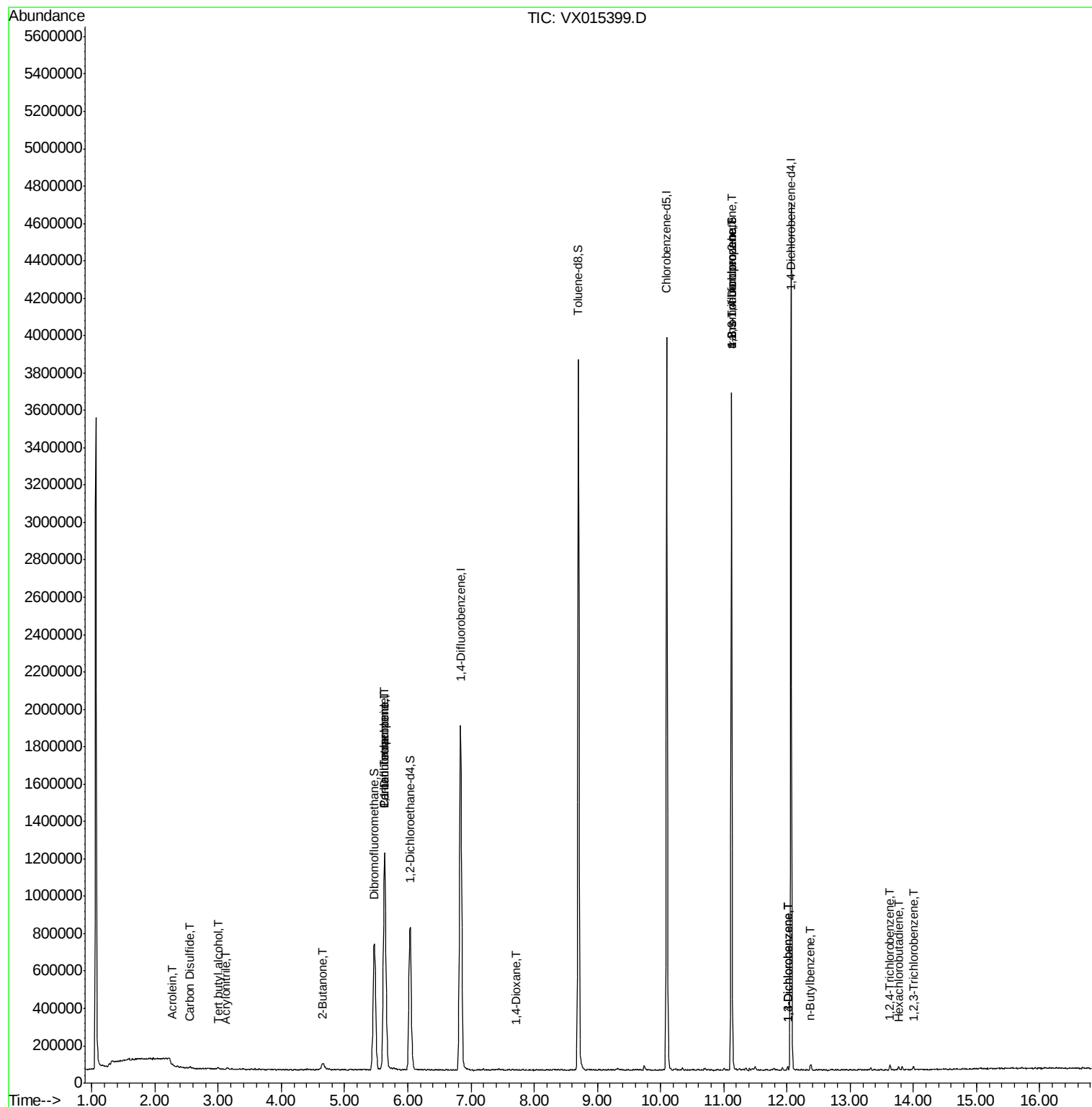
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1407	Below Cal	#	80
11) Tert butyl alcohol	2.99	59	5802	1.525	ug/l	96
13) Acrolein	2.28	56	842	0.389	ug/l #	67
15) Acrylonitrile	3.12	53	1801	0.248	ug/l #	20
17) Carbon Disulfide	2.55	76	13978	0.431	ug/l #	91
25) 2-Butanone	4.65	43	3152	0.287	ug/l #	52
36) 1,1-Dichloropropene	5.63	75	86224	5.110	ug/l #	53
38) Carbon Tetrachloride	5.63	117	110323	6.036	ug/l #	14
49) 1,4-Dioxane	7.71	88	539	1.560	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	484216	25.584	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	484216	61.389	ug/l #	10
87) 1,3-Dichlorobenzene	12.01	146	6349	0.220	ug/l	97
88) 1,4-Dichlorobenzene	12.01	146	6349	0.216	ug/l	99
89) n-Butylbenzene	12.37	91	11232	0.230	ug/l	94
93) 1,2,4-Trichlorobenzene	13.63	180	6870	0.308	ug/l	85
94) Hexachlorobutadiene	13.76	225	3221	0.304	ug/l	78
96) 1,2,3-Trichlorobenzene	14.01	180	4838	0.225	ug/l #	80

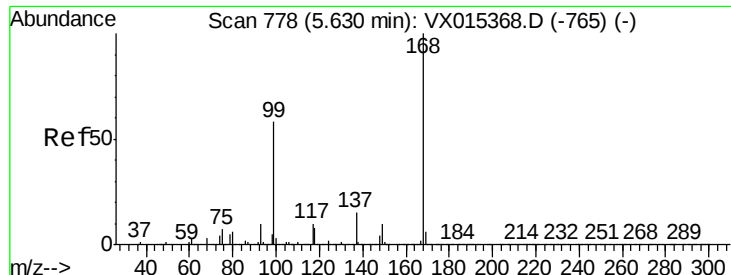
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

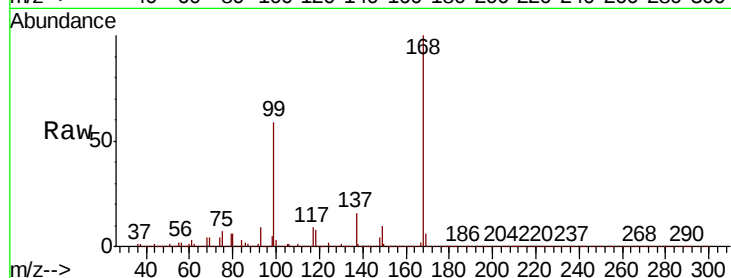
VX0327WBL02

Tot Ion:168 Resp: 1126987

Ion Ratio Lower Upper

168 100

99 58.5 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

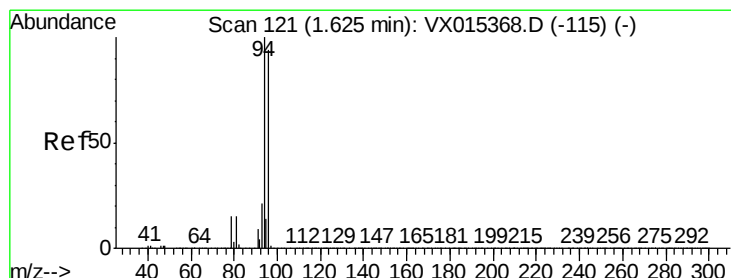
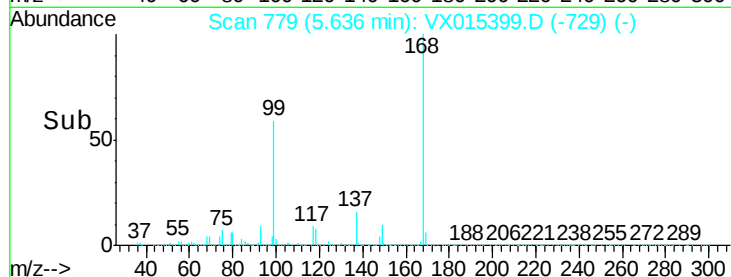
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015399.D

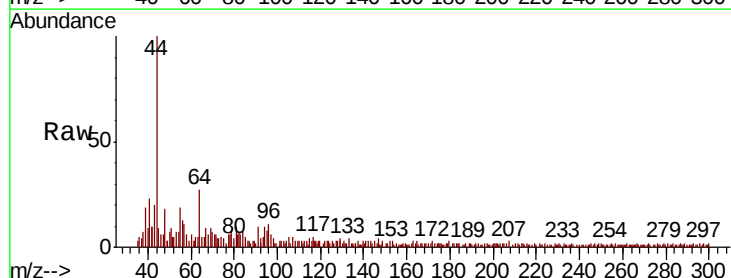
Acq: 27 Mar 2020 23:23

Tgt Ion: 94 Resp: 1407

Ion Ratio Lower Upper

94 100

96 74.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

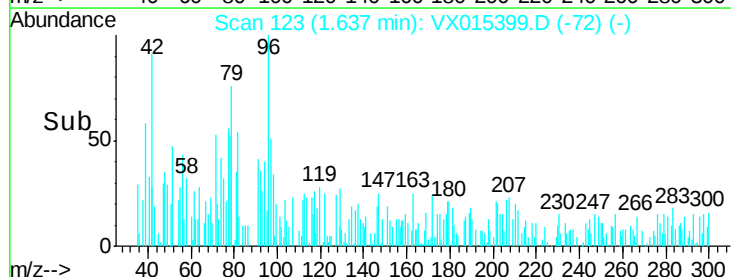
1500

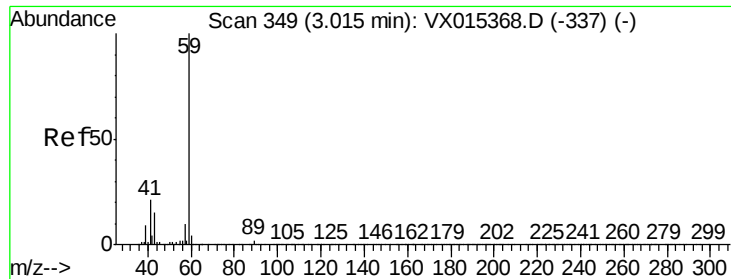
1000

500

0

Time-->

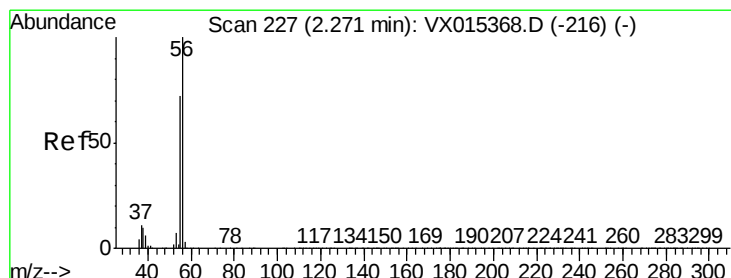
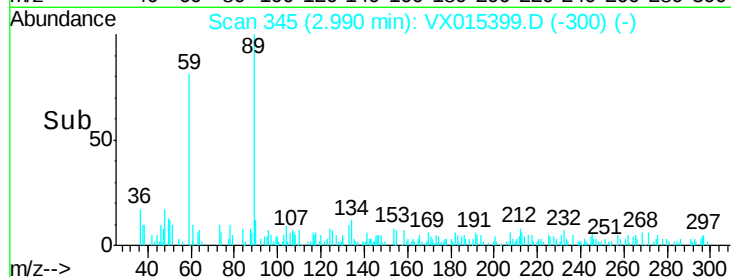
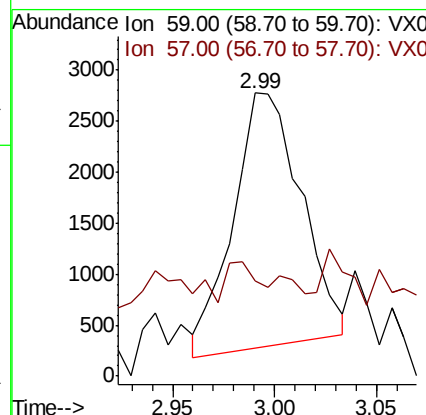
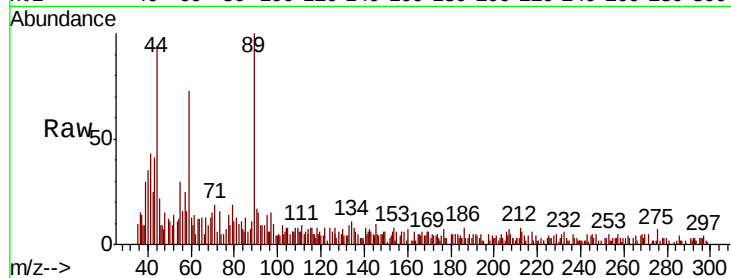




#11
Tert butvl alcohol
Concen: 1.525 ug/l
RT: 2.99 min Scan# 345
Delta R.T. -0.02 min
Lab File: VX015399.D
Acq: 27 Mar 2020 23:23

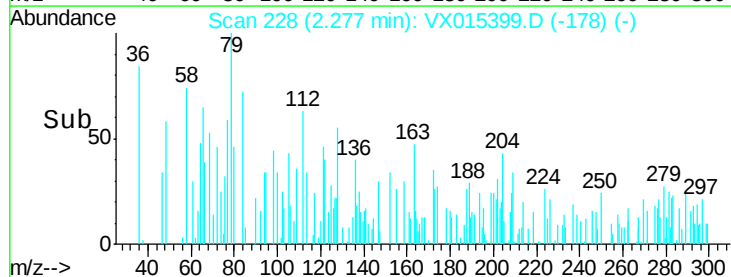
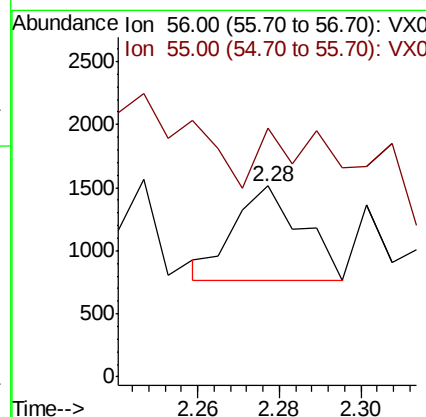
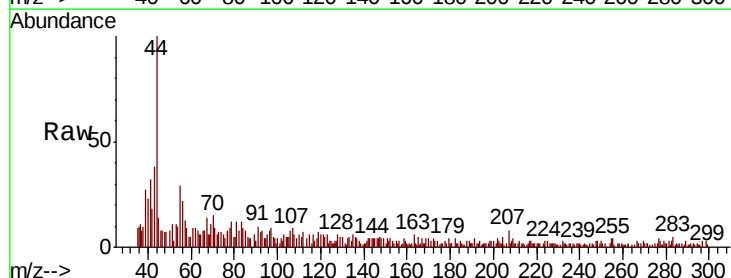
Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL02

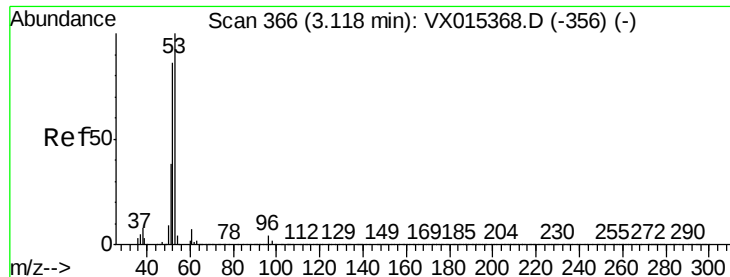
Tot Ion: 59 Resp: 5802
Ion Ratio Lower Upper
59 100
57 8.6 8.1 12.1



#13
Acrolein
Concen: 0.389 ug/l
RT: 2.28 min Scan# 228
Delta R.T. 0.01 min
Lab File: VX015399.D
Acq: 27 Mar 2020 23:23

Tgt Ion: 56 Resp: 842
Ion Ratio Lower Upper
56 100
55 98.6 57.0 85.4#





#15

Acrylonitrile

Concen: 0.248 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.00 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampled :

VX0327WBL02

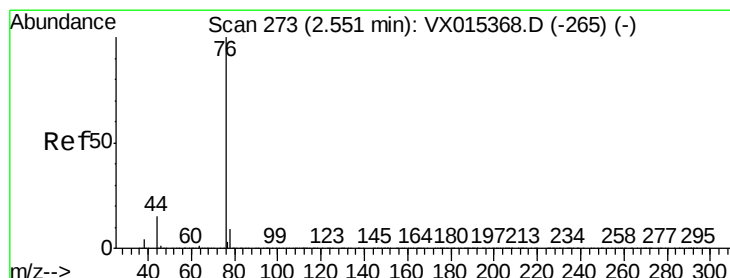
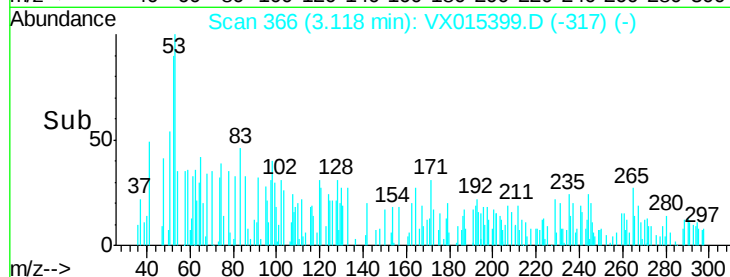
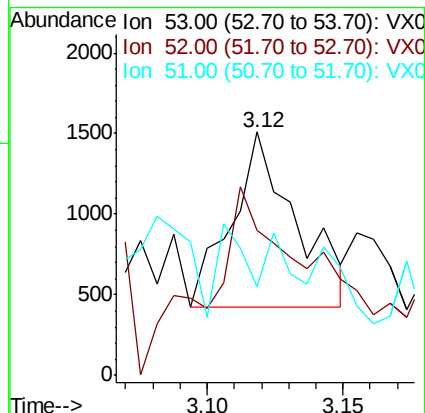
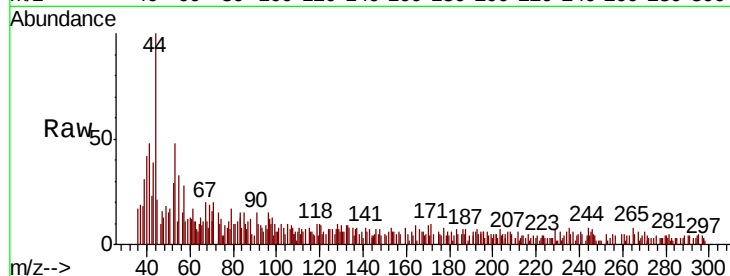
Tot Ion: 53 Resp: 1801

Ion Ratio Lower Upper

53 100

52 179.5 66.8 100.2#

51 24.2 29.5 44.3#



#17

Carbon Disulfide

Concen: 0.431 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015399.D

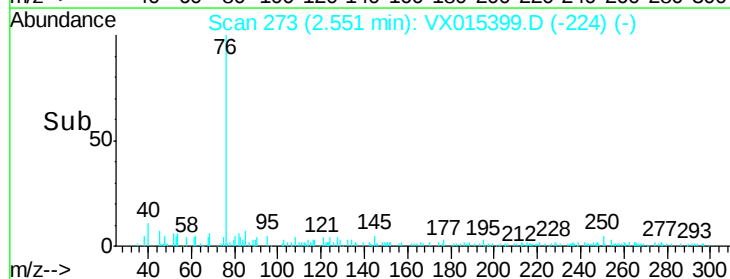
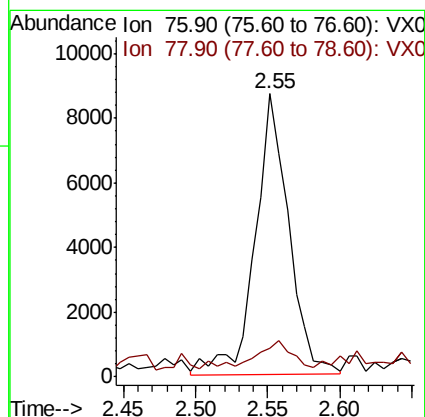
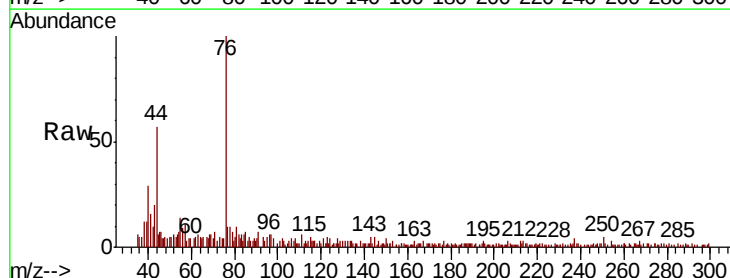
Acq: 27 Mar 2020 23:23

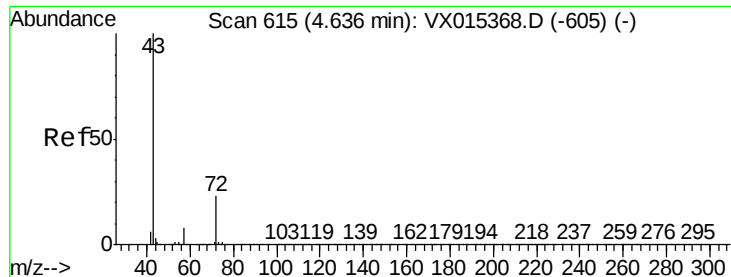
Tgt Ion: 76 Resp: 13978

Ion Ratio Lower Upper

76 100

78 5.8 7.1 10.7#

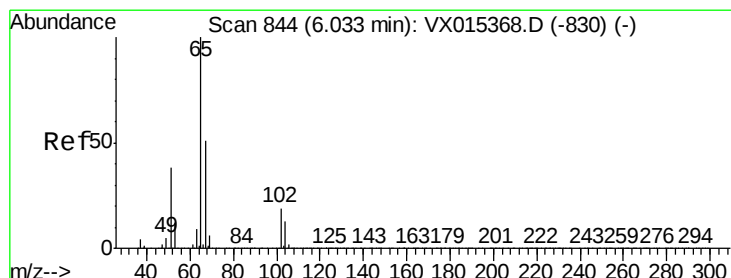
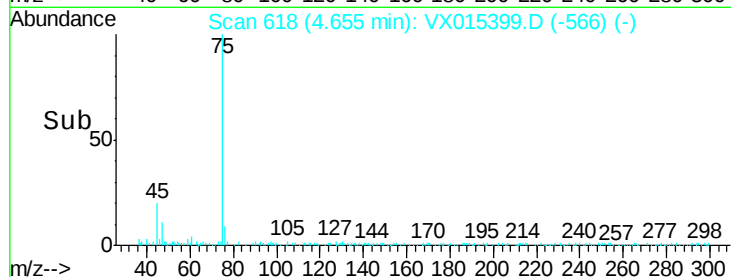
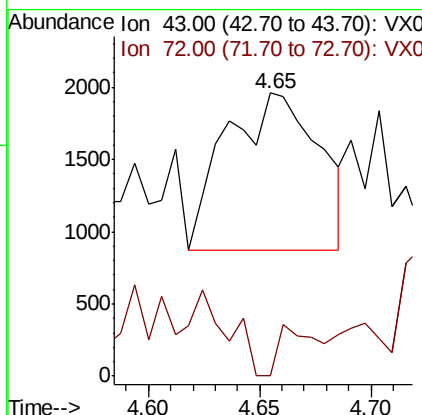
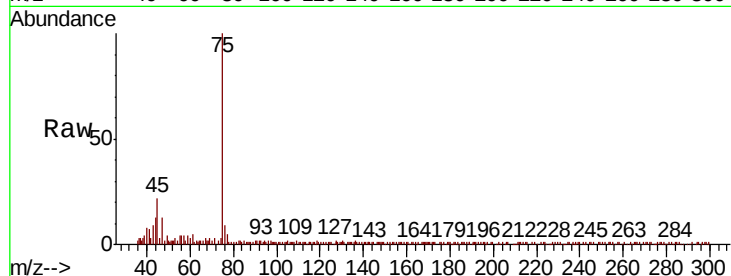




#25
2-Butanone
Concen: 0.287 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015399.D
Acq: 27 Mar 2020 23:23

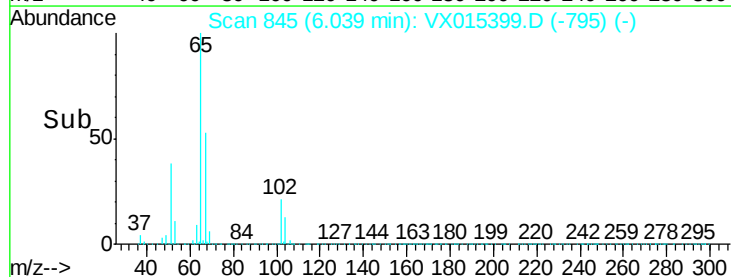
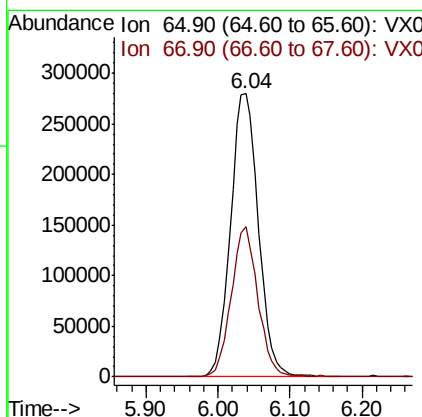
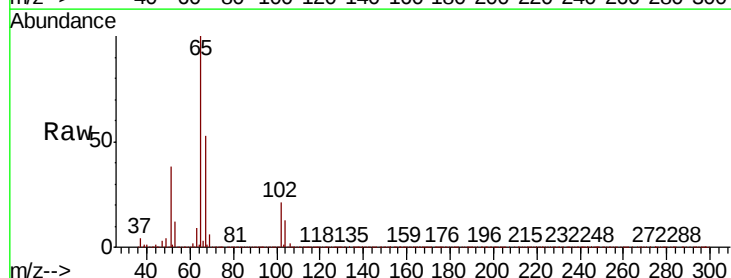
Instrument :
MSVOA_X
ClientSampleId :
VX0327WBL02

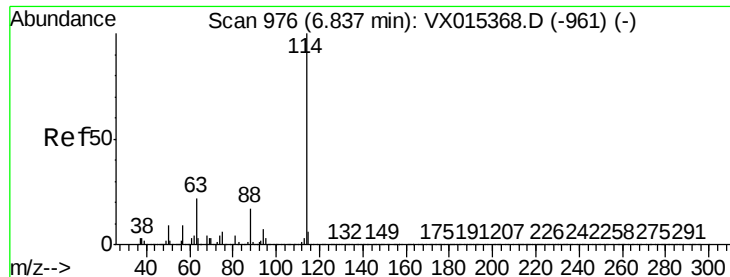
Tot Ion: 43 Resp: 3152
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 47.146 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015399.D
Acq: 27 Mar 2020 23:23

Tgt Ion: 65 Resp: 749389
Ion Ratio Lower Upper
65 100
67 50.3 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: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL02

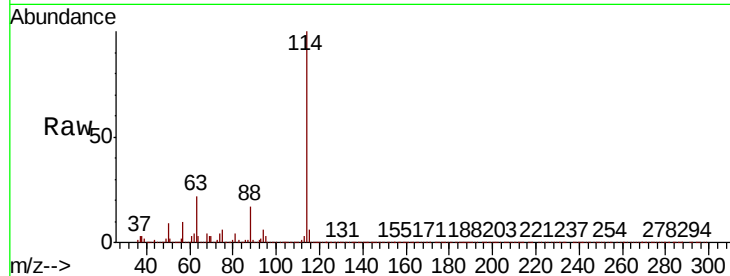
Tot Ion:114 Resp: 1831382

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.2

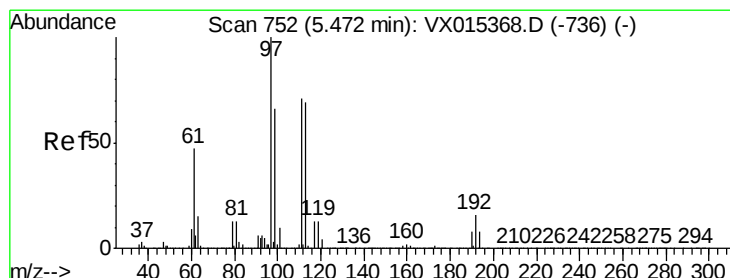
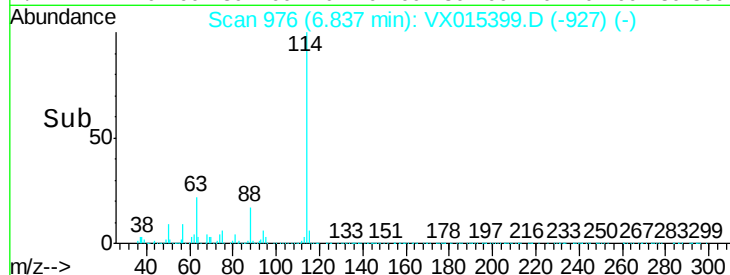
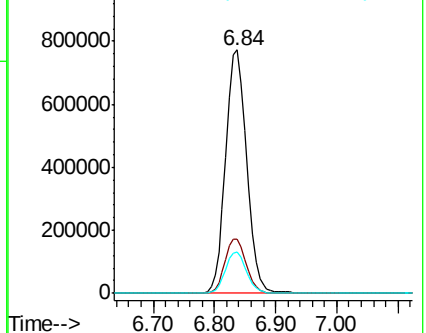
88 16.8 0.0 33.8



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: 48.522 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

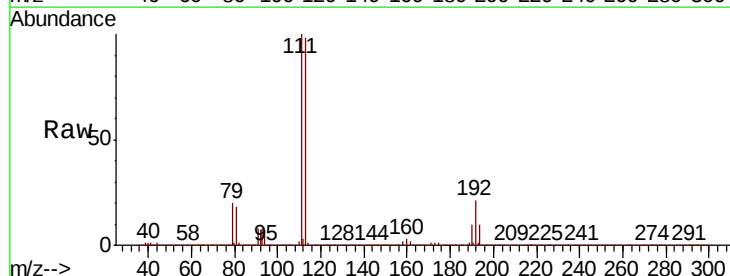
Tgt Ion:113 Resp: 568032

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

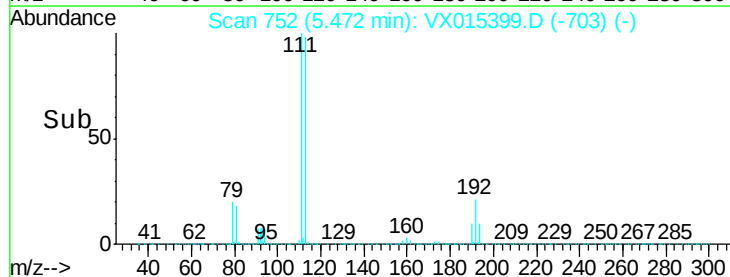
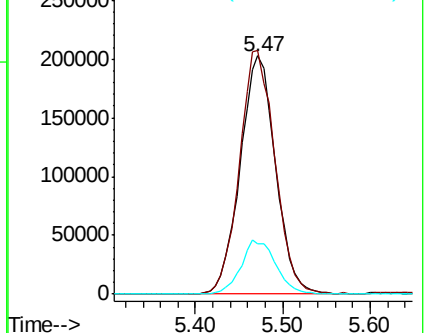
192 22.8 17.8 26.6

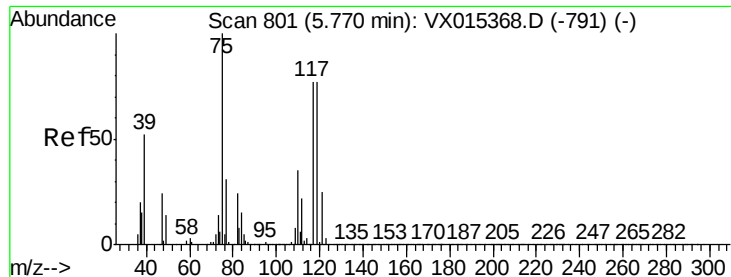


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

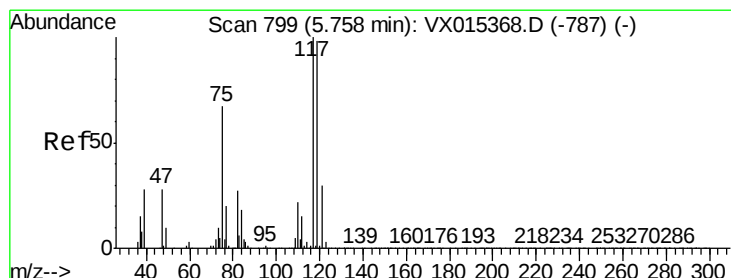
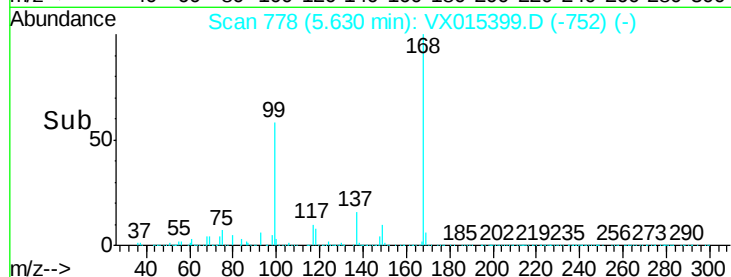
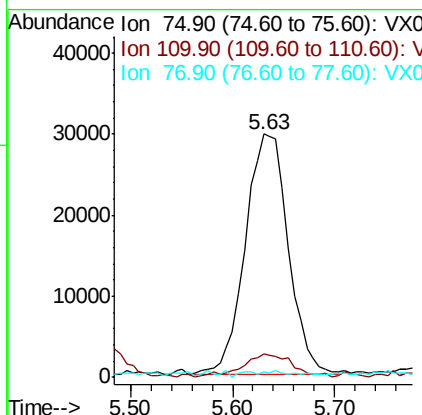
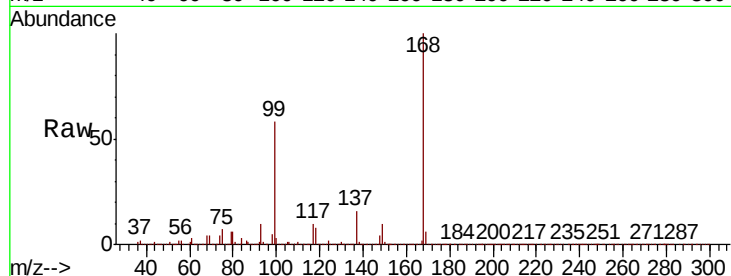




#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015399.D
 Acq: 27 Mar 2020 23:23

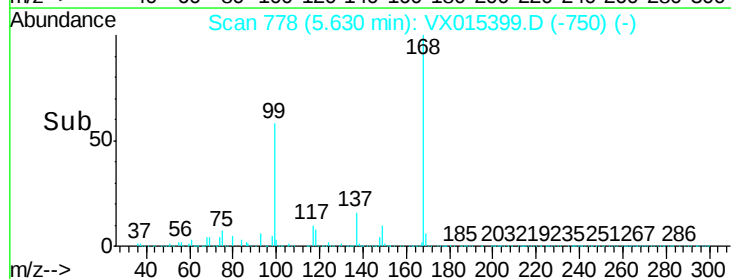
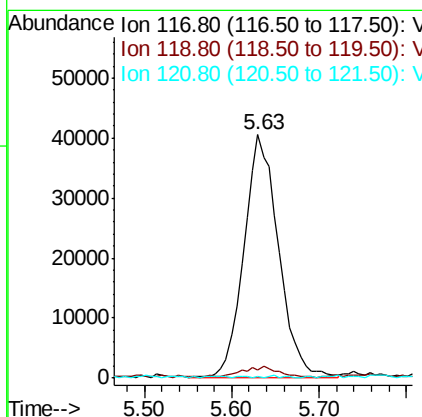
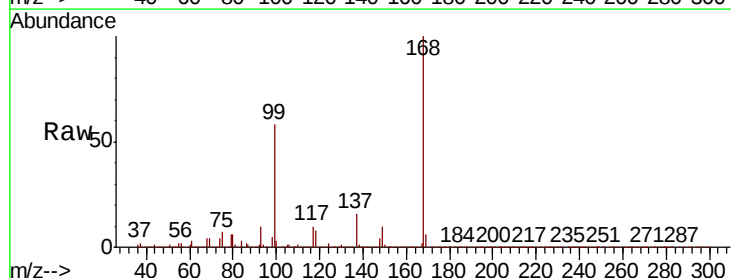
Instrument :
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 VX0327WBL02

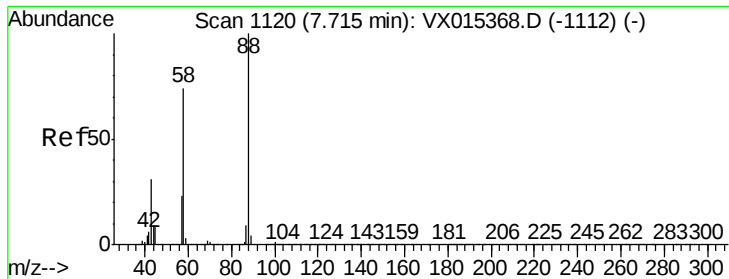
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.4	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.036 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: VX015399.D
 Acq: 27 Mar 2020 23:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	78.0	117.0#
121	0.6	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.560 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL02

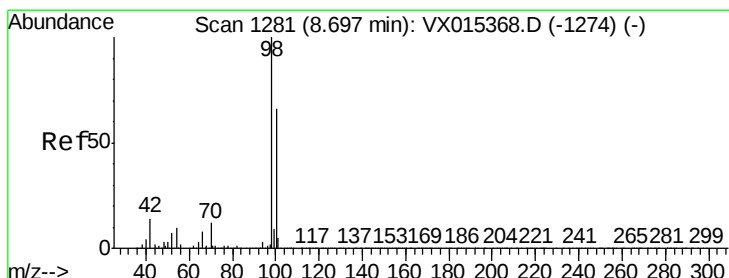
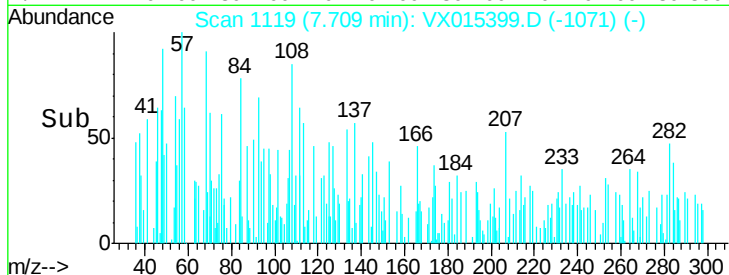
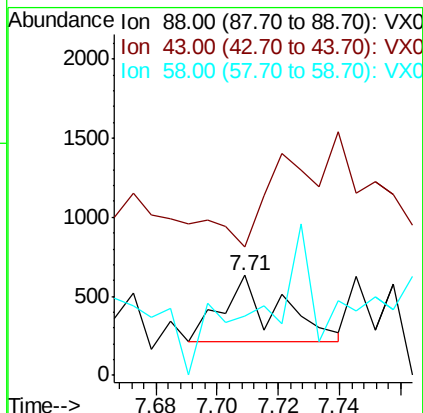
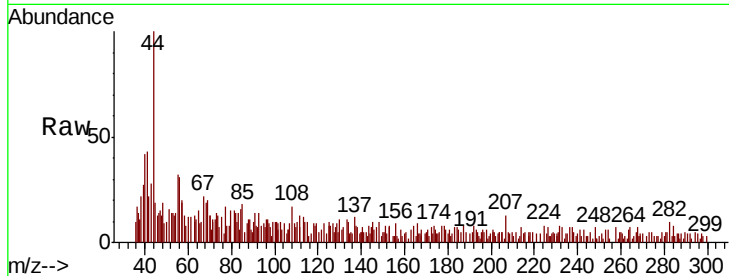
Tot Ion: 88 Resp: 539

Ion Ratio Lower Upper

88 100

43 120.2 30.1 45.1#

58 269.9 60.6 90.8#



#50

Toluene-d8

Concen: 51.979 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015399.D

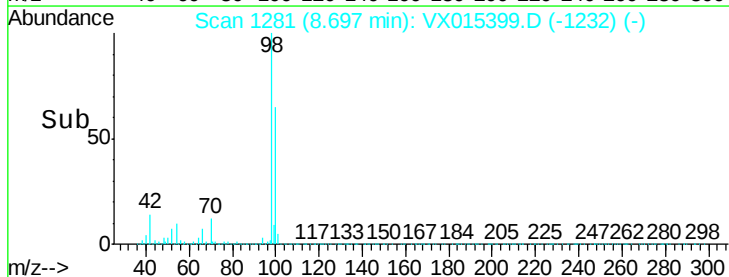
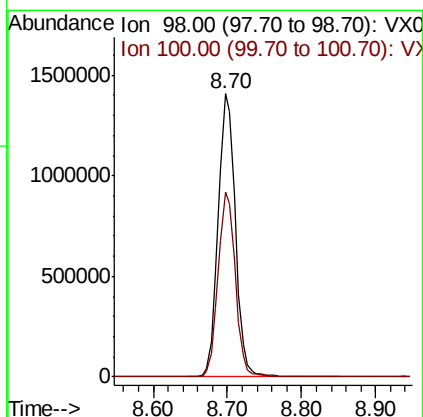
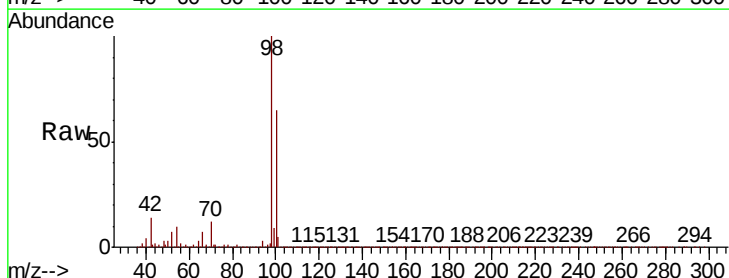
Acq: 27 Mar 2020 23:23

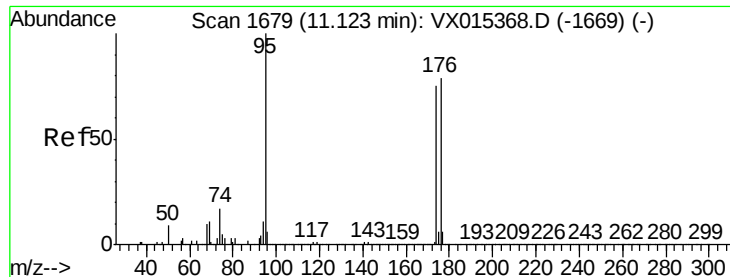
Tgt Ion: 98 Resp: 2240353

Ion Ratio Lower Upper

98 100

100 65.3 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 54.159 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL02

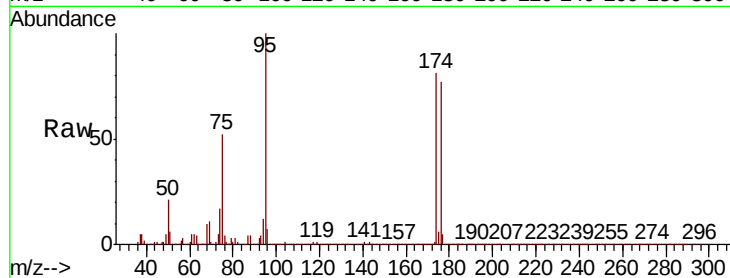
Tot Ion: 95 Resp: 948660

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.6

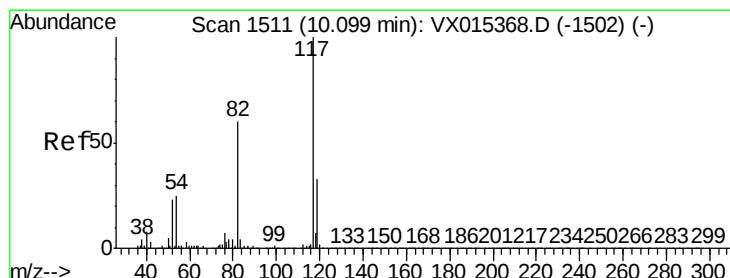
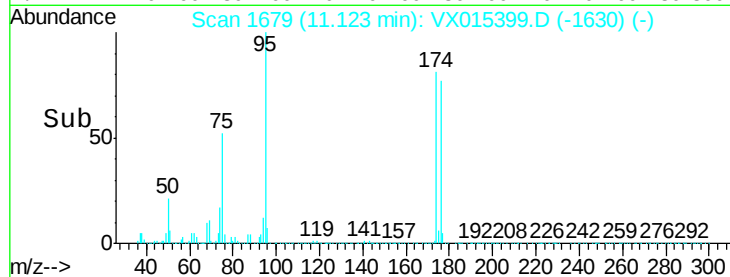
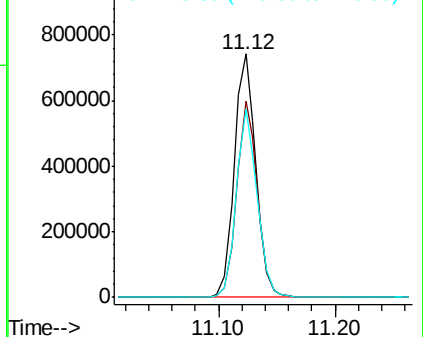
176 75.3 0.0 159.0



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: VX015399.D

Acq: 27 Mar 2020 23:23

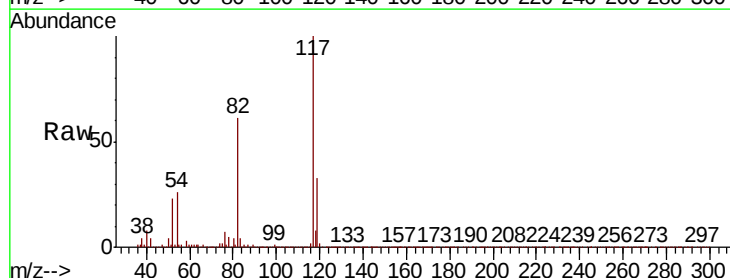
Tgt Ion: 117 Resp: 1709401

Ion Ratio Lower Upper

117 100

82 60.5 47.8 71.8

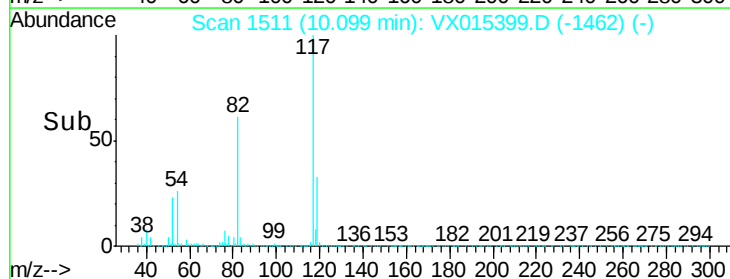
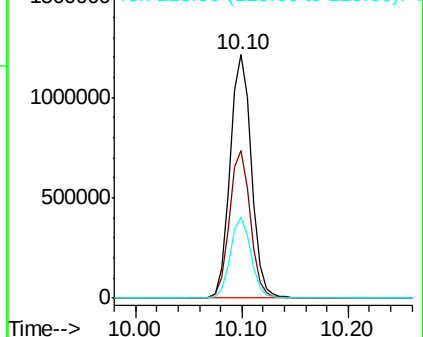
119 33.3 26.8 40.2

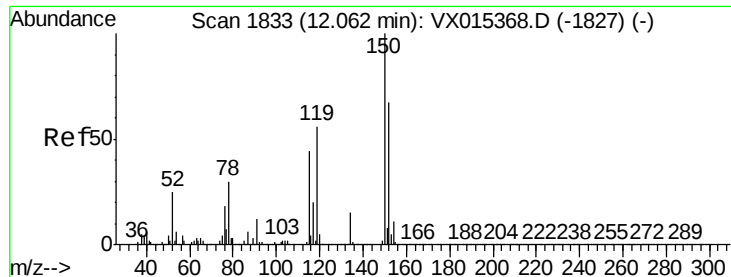


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL02

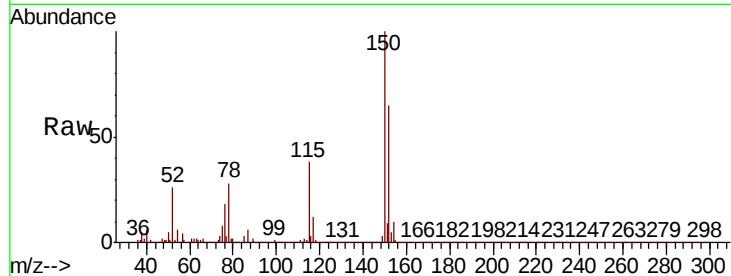
Tot Ion:152 Resp: 920347

Ion Ratio Lower Upper

152 100

115 57.9 39.0 116.9

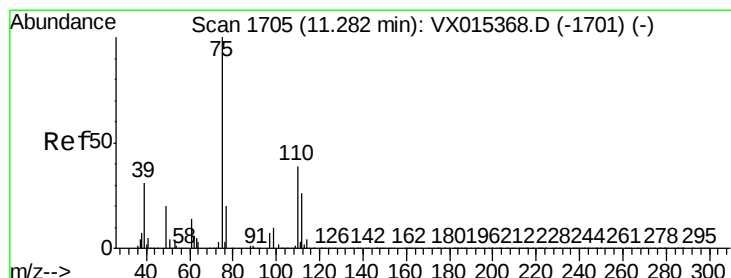
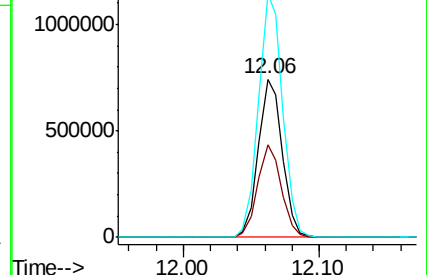
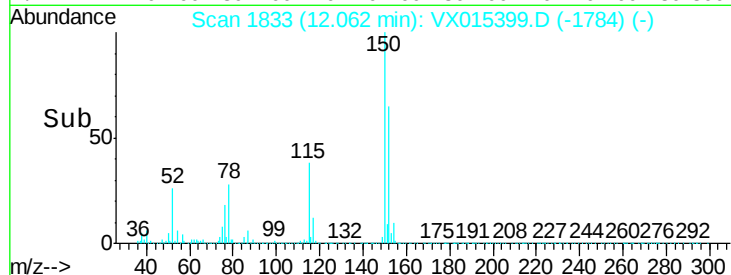
150 155.5 0.0 340.8



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: 25.584 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015399.D

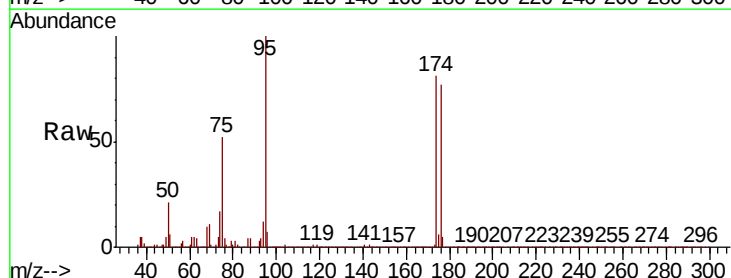
Acq: 27 Mar 2020 23:23

Tgt Ion: 75 Resp: 484216

Ion Ratio Lower Upper

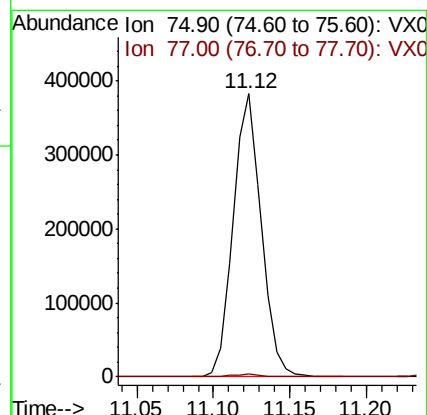
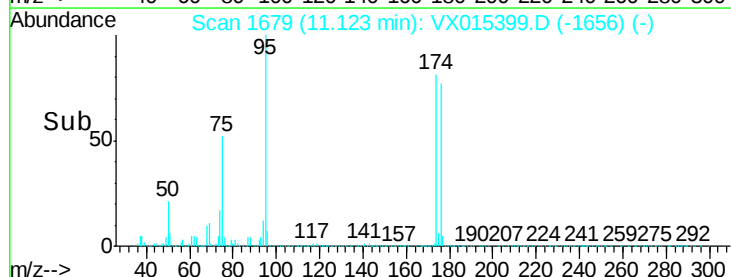
75 100

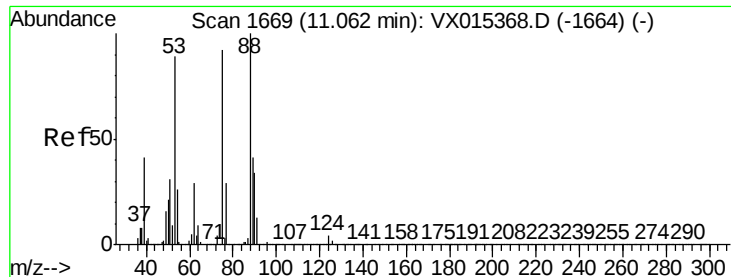
77 1.0 21.2 63.6#



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: 61.389 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampleId :

VX0327WBL02

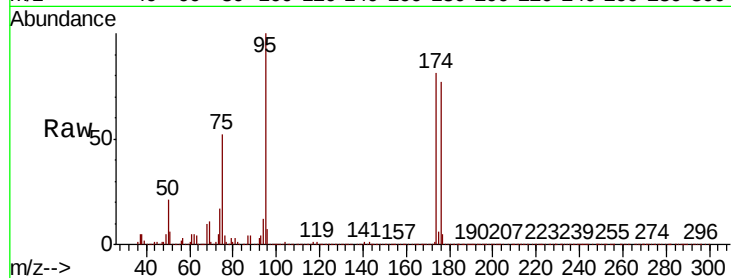
Tot Ion: 75 Resp: 484216

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

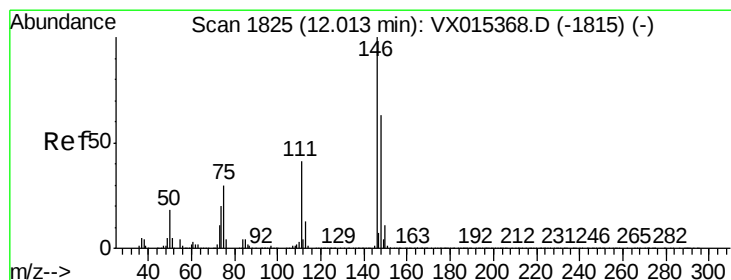
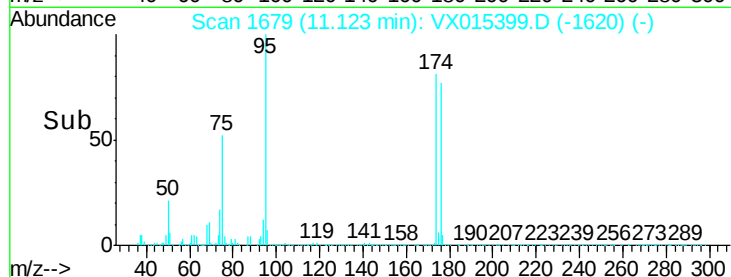
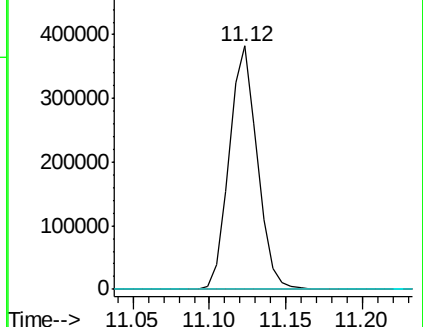
89 0.1 36.1 54.1#



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



#87

1,3-Dichlorobenzene

Concen: 0.220 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

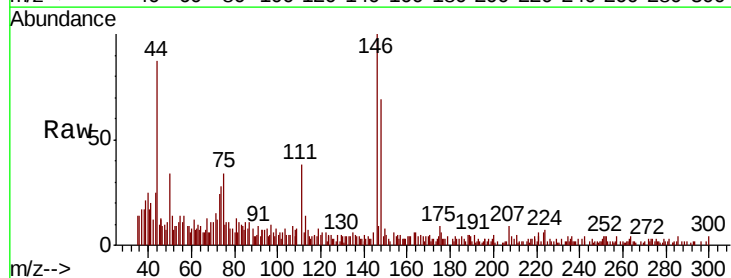
Tgt Ion: 146 Resp: 6349

Ion Ratio Lower Upper

146 100

111 38.7 20.3 60.9

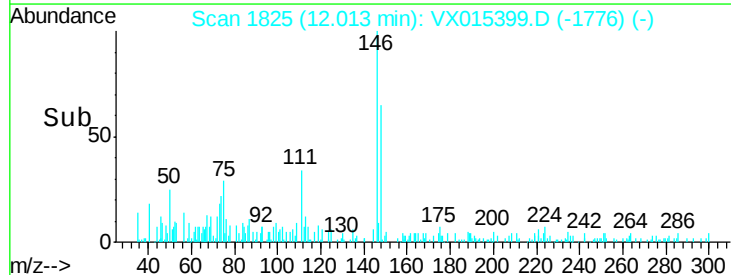
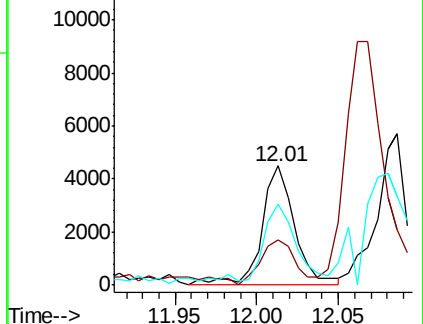
148 65.4 31.3 93.9

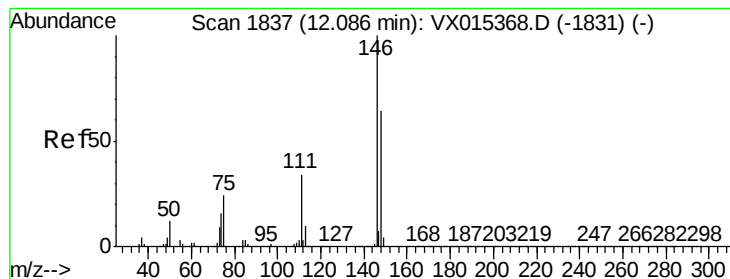


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.216 ug/l

RT: 12.01 min Scan# 1825

Delta R.T. -0.07 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

Instrument :

MSVOA_X

ClientSampled :

VX0327WBL02

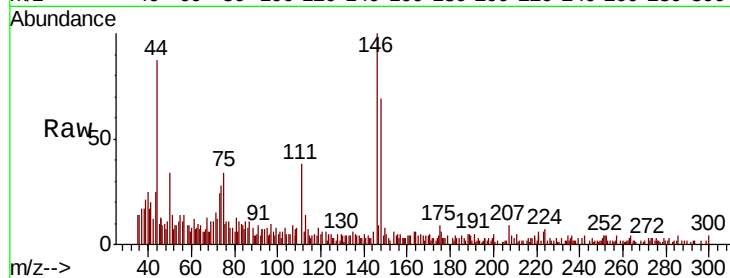
Tot Ion:146 Resp: 6349

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.5

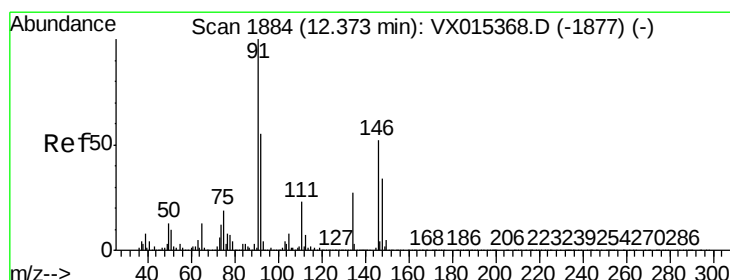
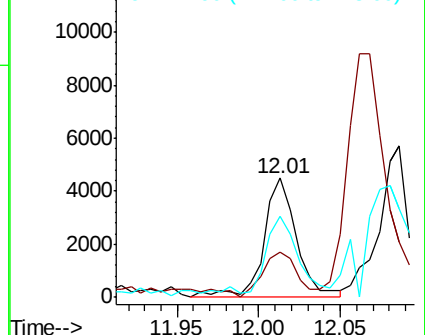
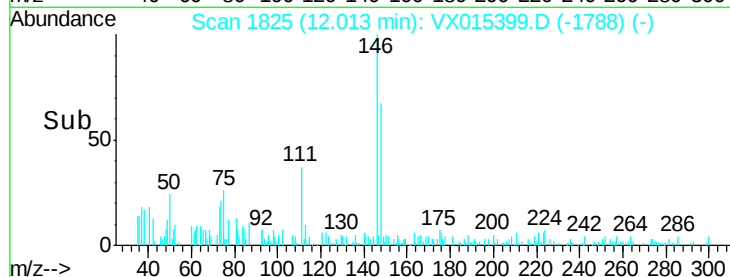
148 63.8 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.230 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX015399.D

Acq: 27 Mar 2020 23:23

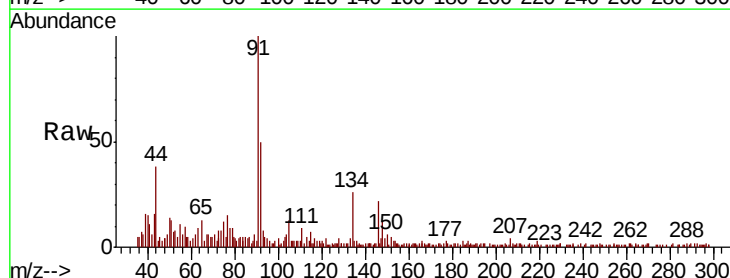
Tgt Ion: 91 Resp: 11232

Ion Ratio Lower Upper

91 100

92 58.4 27.2 81.5

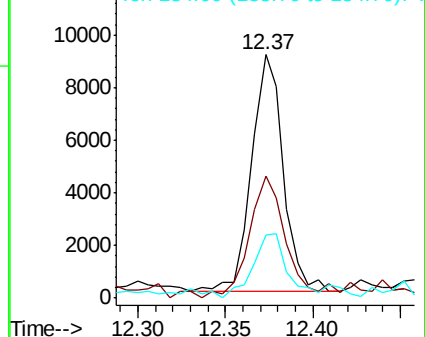
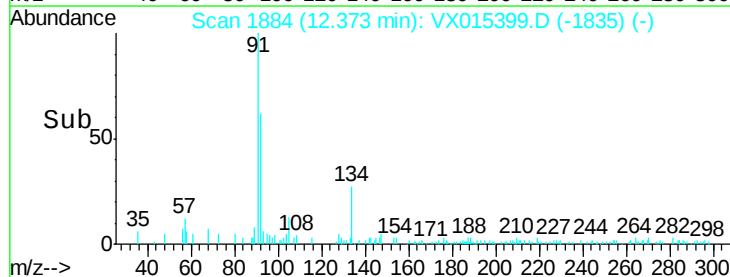
134 29.9 13.4 40.2

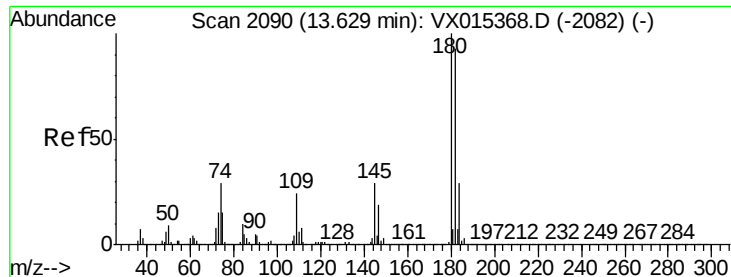


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

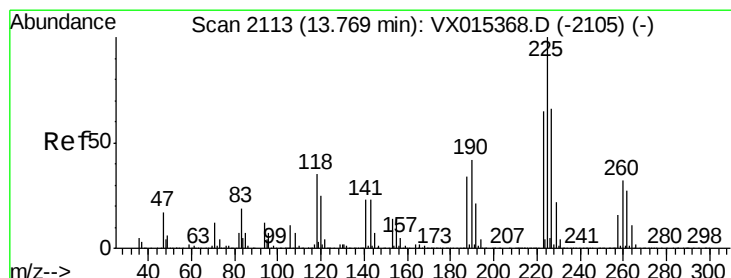
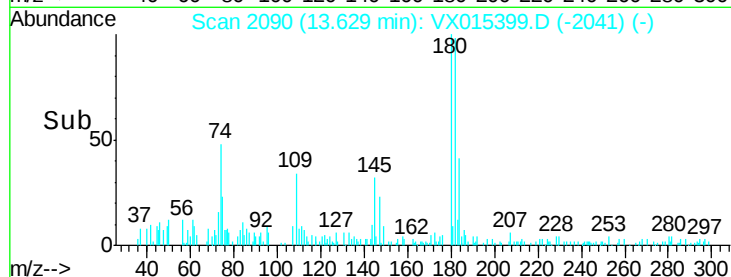
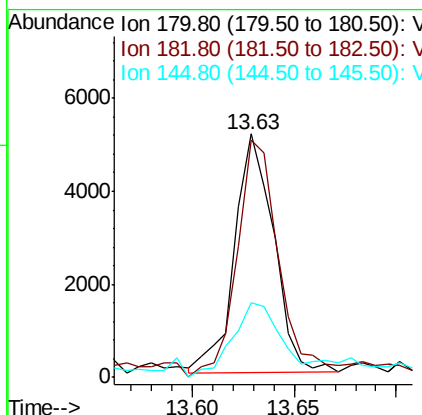
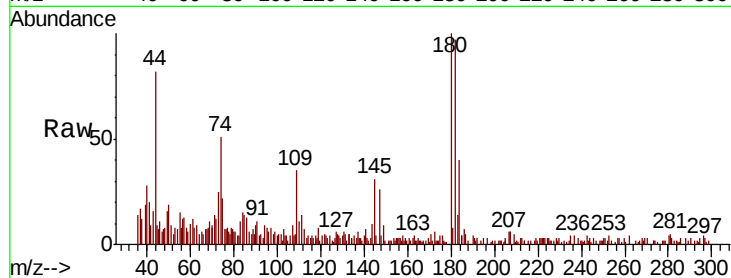




#93
 1,2,4-Trichlorobenzene
 Concen: 0.308 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015399.D
 Acq: 27 Mar 2020 23:23

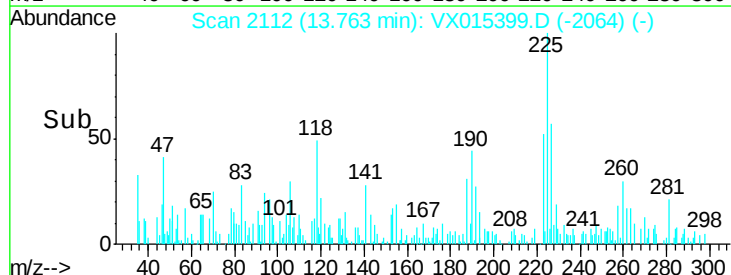
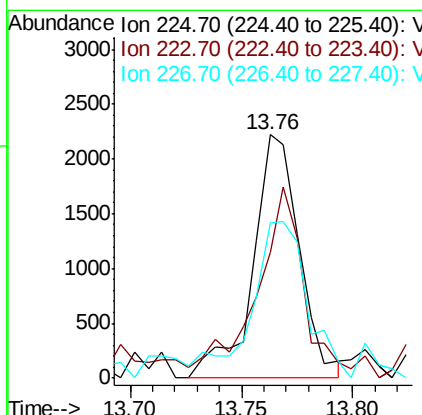
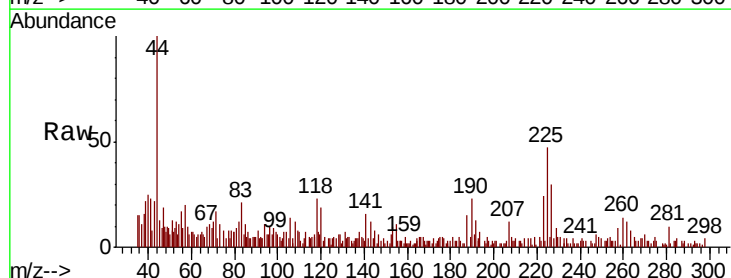
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL02

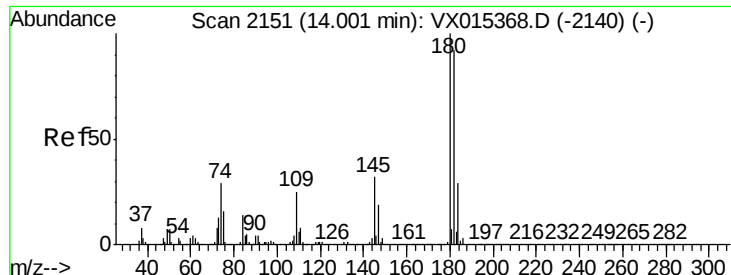
Tot Ion:180 Resp: 6870
 Ion Ratio Lower Upper
 180 100
 182 106.8 46.9 140.7
 145 39.8 14.9 44.5



#94
 Hexachlorobutadiene
 Concen: 0.304 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015399.D
 Acq: 27 Mar 2020 23:23

Tgt Ion:225 Resp: 3221
 Ion Ratio Lower Upper
 225 100
 223 81.9 31.9 95.7
 227 77.4 30.4 91.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.225 ug/l
 RT: 14.01 min Scan# 2152
 Delta R.T. 0.01 min
 Lab File: VX015399.D
 Acq: 27 Mar 2020 23:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.9	46.7	140.0
145	48.7	15.8	47.3

