

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX033120\
 Data File : VX015452.D
 Acq On : 31 Mar 2020 14:35
 Operator : JC/SP
 Sample : L2053-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 01 07:32:25 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	1118900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1802655	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1702257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	911865	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	747768	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	5.47	113	559997	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
50) Toluene-d8	8.70	98	2186221	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
62) 4-Bromofluorobenzene	11.12	95	937139	54.35	ug/l	0.00
Spiked Amount			Recovery	=	108.70%	

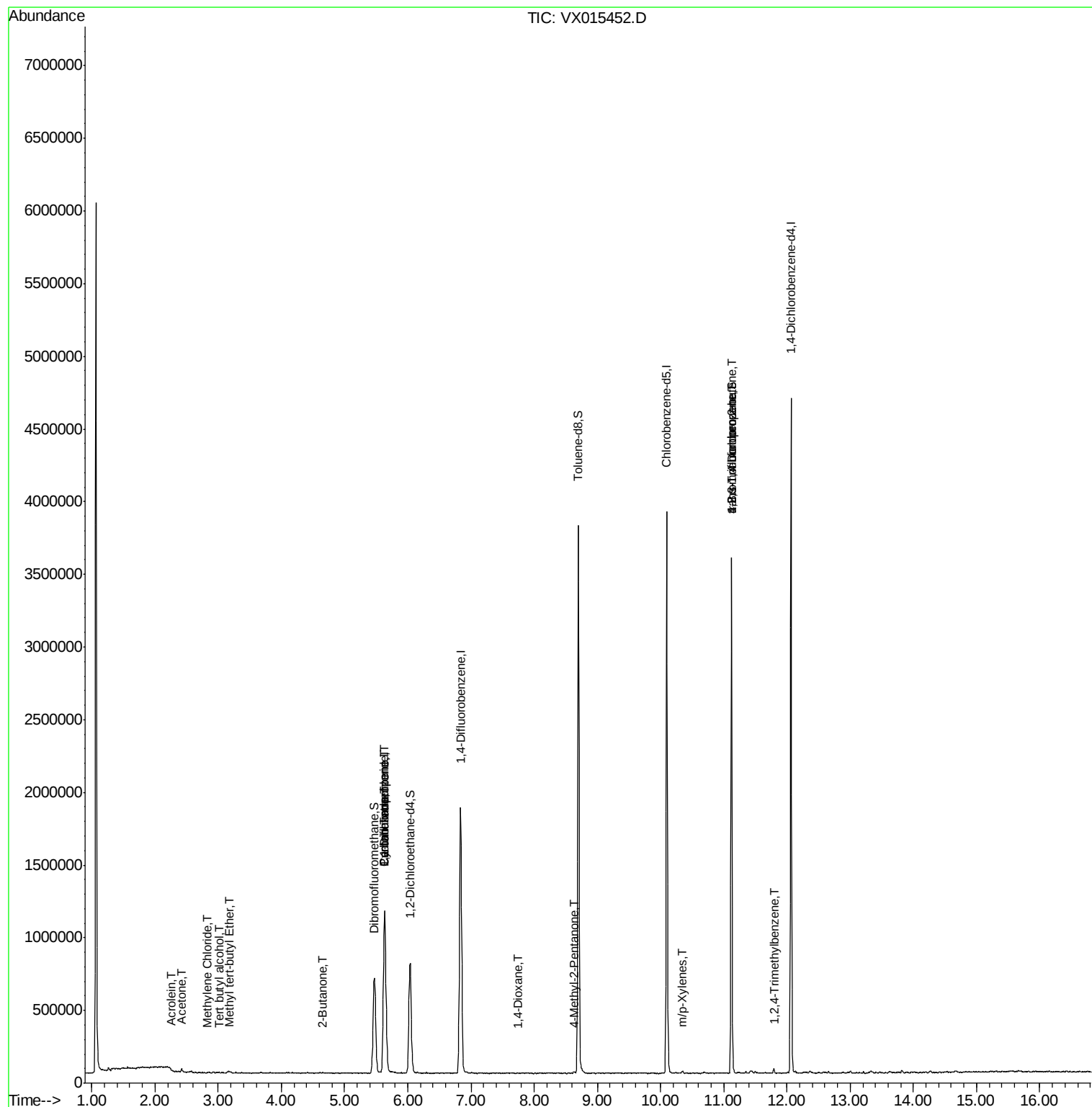
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	518	Below Cal	#	73
11) Tert butyl alcohol	3.01	59	5315	1.407	ug/l #	79
13) Acrolein	2.27	56	447	0.208	ug/l #	14
16) Acetone	2.42	43	23618	3.484	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	14979	0.366	ug/l	99
20) Methylene Chloride	2.83	84	2592	0.205	ug/l #	47
25) 2-Butanone	4.65	43	4352	0.399	ug/l	95
31) Cyclohexane	5.64	56	23663	1.185	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	84146	5.066	ug/l #	52
38) Carbon Tetrachloride	5.63	117	108664	6.040	ug/l #	15
49) 1,4-Dioxane	7.74	88	425	1.249	ug/l #	45
51) 4-Methyl-2-Pentanone	8.62	43	5853	0.283	ug/l #	77
68) m/p-Xylenes	10.35	106	4780	0.213	ug/l	86
76) 1,2,3-Trichloropropane	11.12	75	481091	25.656	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	481091	61.560	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.79	105	13612	0.262	ug/l	94

(#) = 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: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

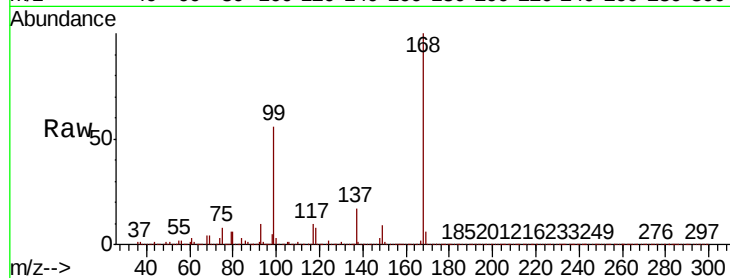
ClientSampleId :

Tot Ion:168 Resp: 1118900

Ion Ratio Lower Upper

168 100

99 55.8 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

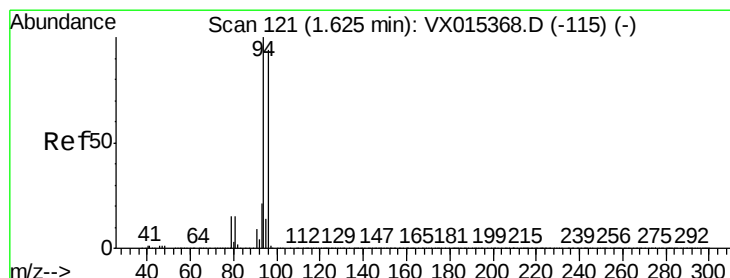
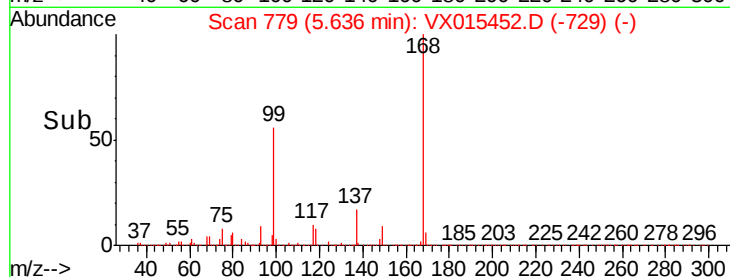
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 119

Delta R.T. -0.01 min

Lab File: VX015452.D

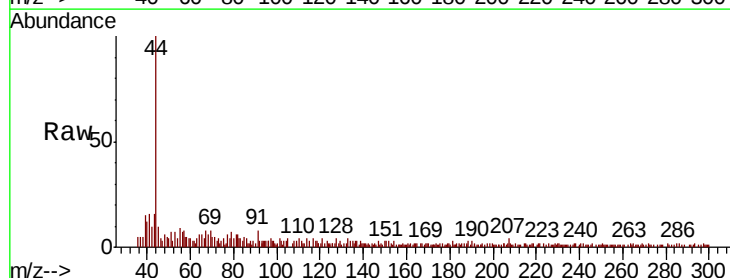
Acq: 31 Mar 2020 14:35

Tgt Ion: 94 Resp: 518

Ion Ratio Lower Upper

94 100

96 119.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

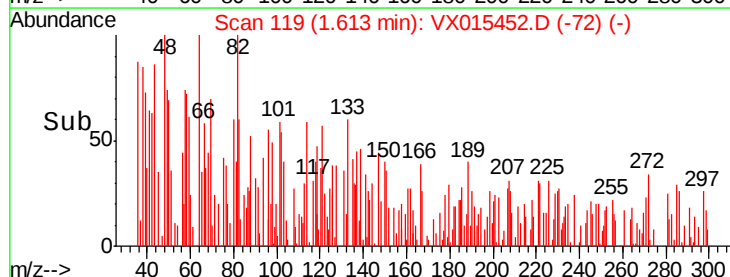
600

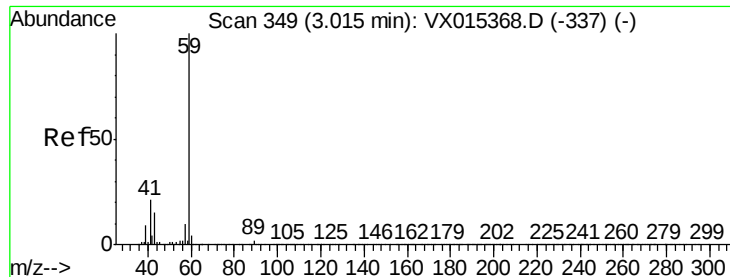
400

200

0

Time-->



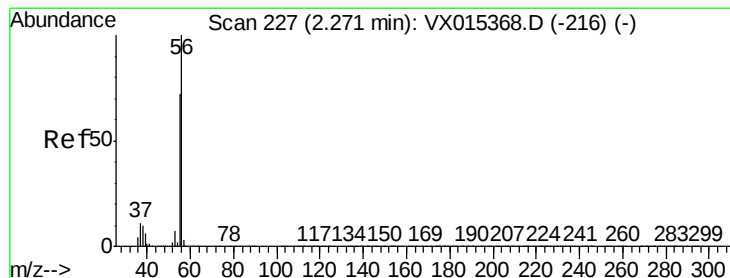
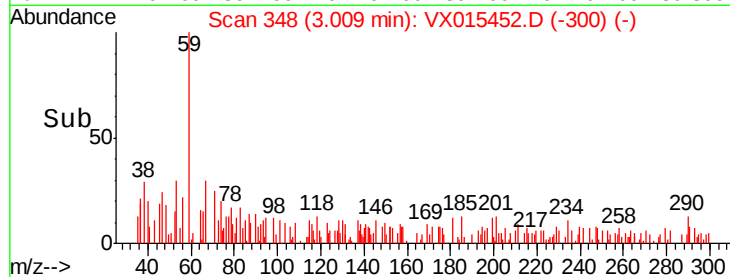
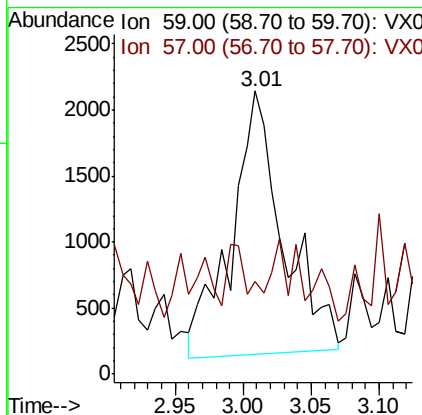
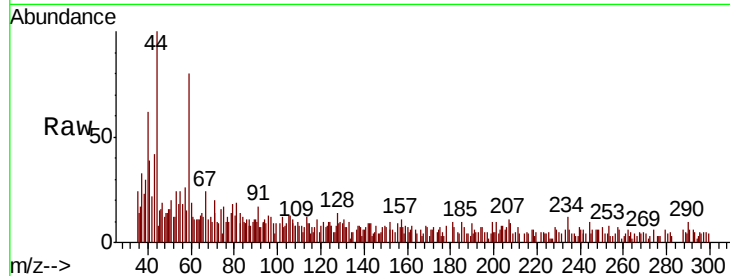


#11

Tert butyl alcohol
Concen: 1.407 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Instrument :
MSVOA_X
ClientSampled :

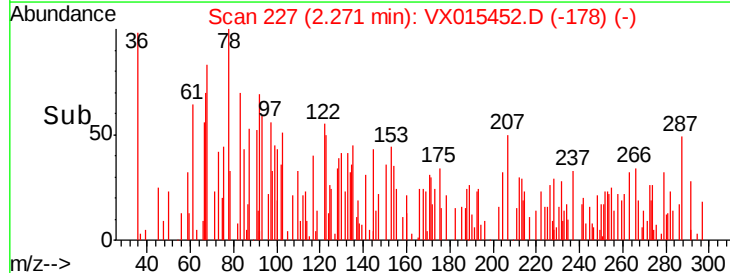
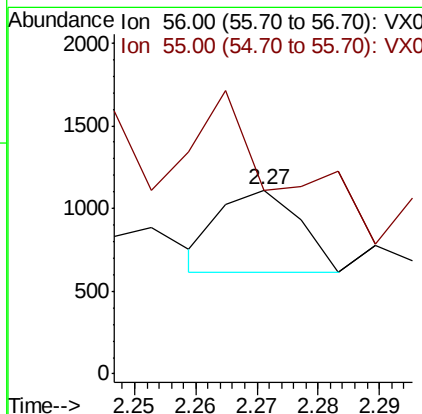
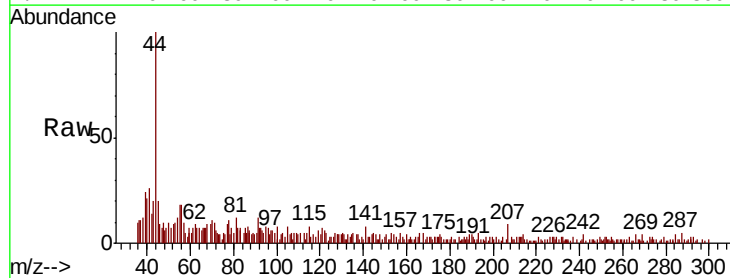
Tot Ion: 59 Resp: 5315
Ion Ratio Lower Upper
59 100
57 18.1 8.1 12.1#

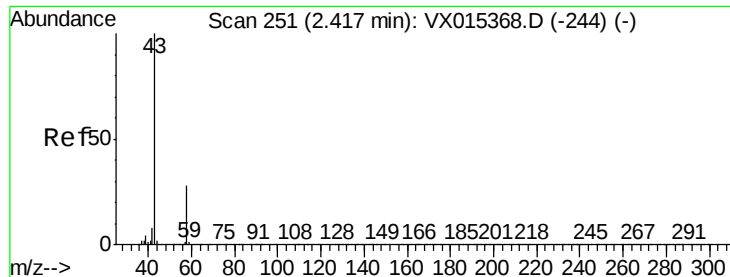


#13

Acrolein
Concen: 0.208 ug/l
RT: 2.27 min Scan# 227
Delta R.T. 0.00 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

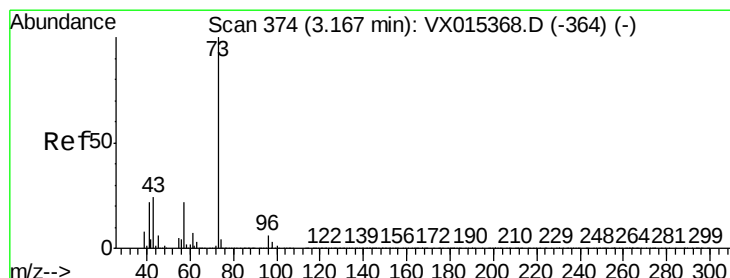
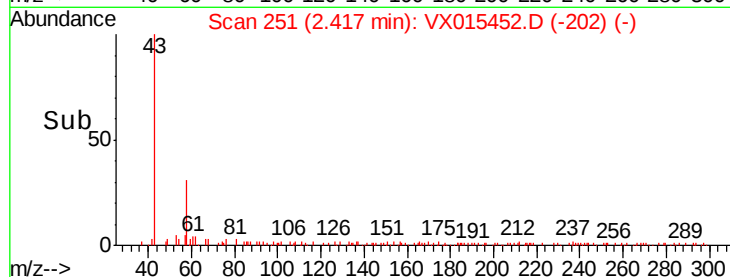
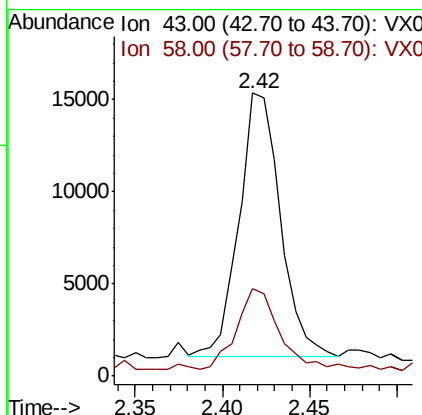
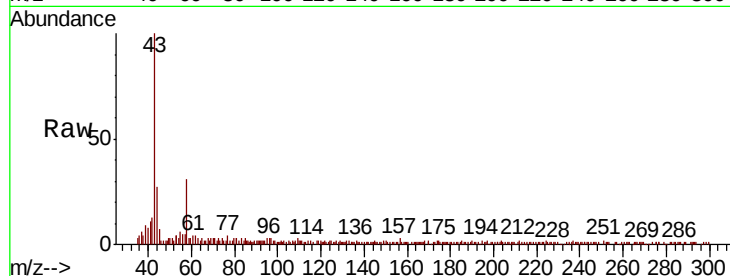




#16
Acetone
Concen: 3.484 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

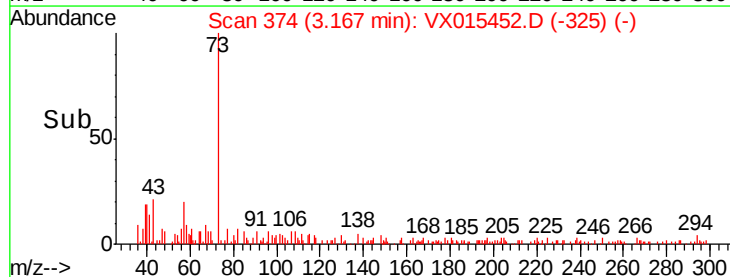
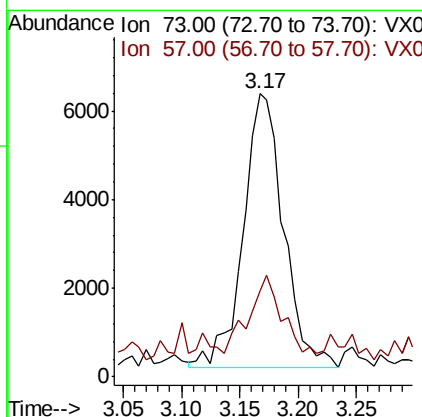
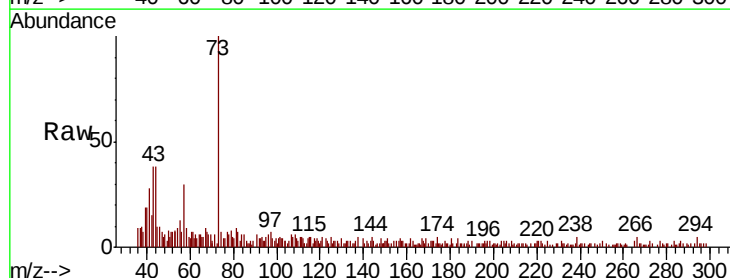
Instrument :
MSVOA_X
ClientSampleId :

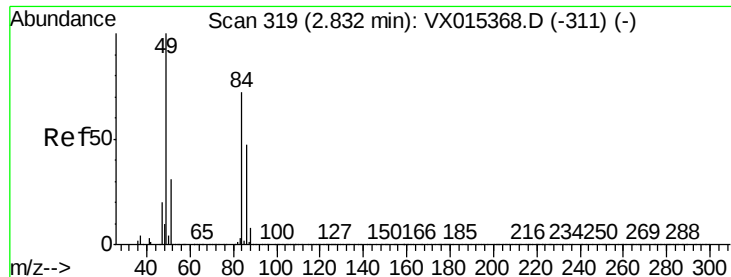
Tot Ion: 43 Resp: 23618
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1



#19
Methyl tert-butyl Ether
Concen: 0.366 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Tgt Ion: 73 Resp: 14979
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

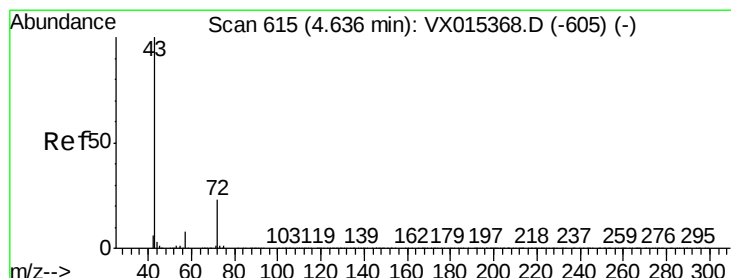
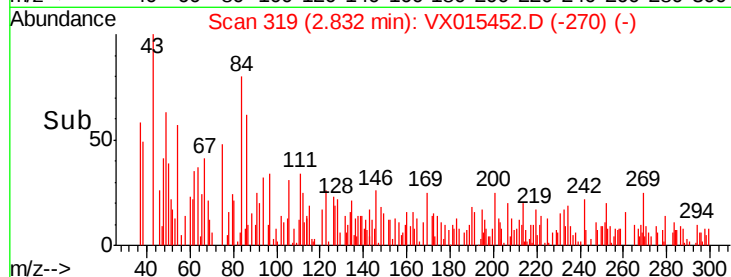
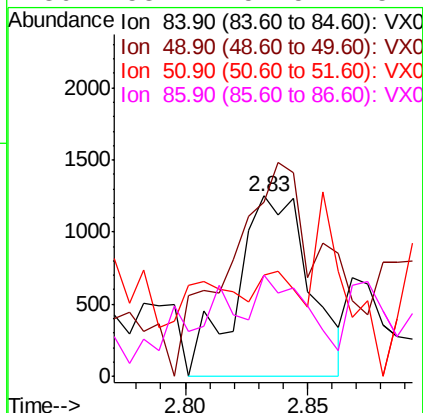
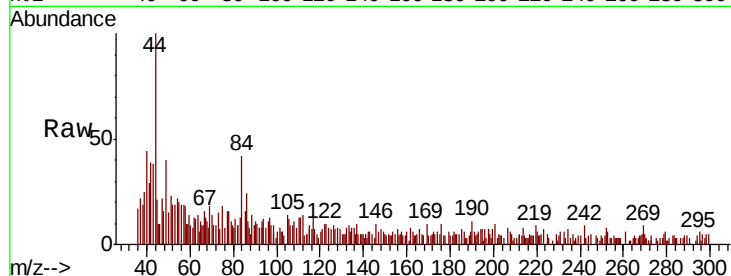




#20
Methvlene Chloride
Concen: 0.205 ug/l
RT: 2.83 min Scan# 319
Delta R.T. 0.00 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

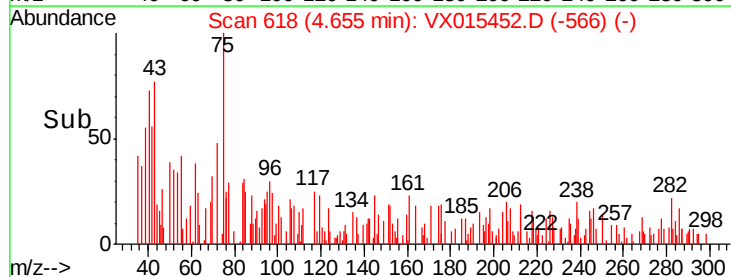
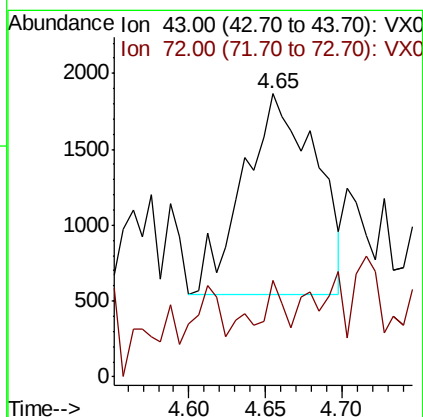
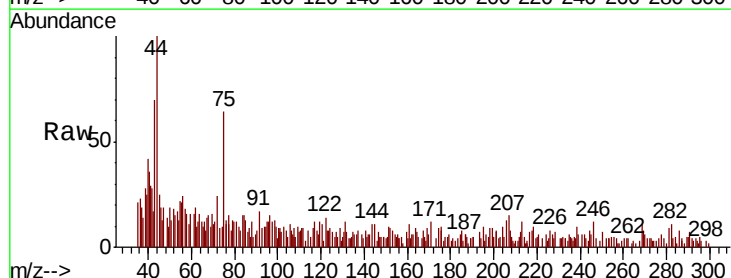
Instrument :
MSVOA_X
ClientSampleId :

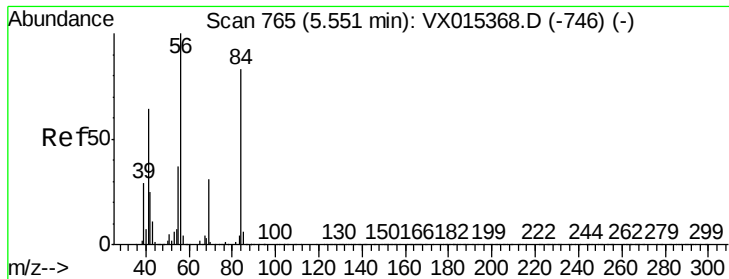
Tot Ion: 84 Resp: 2592
Ion Ratio Lower Upper
84 100
49 51.9 111.3 166.9#
51 5.3 34.0 51.0#
86 58.7 52.5 78.7



#25
2-Butanone
Concen: 0.399 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Tgt Ion: 43 Resp: 4352
Ion Ratio Lower Upper
43 100
72 21.2 19.0 28.4

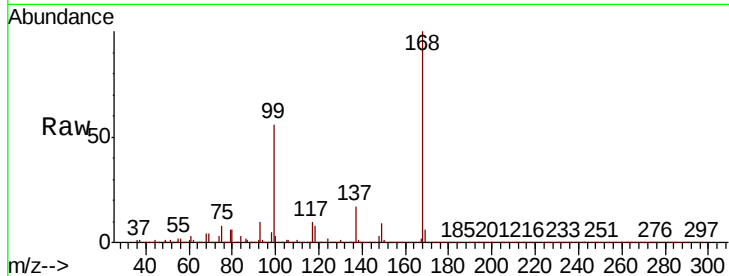




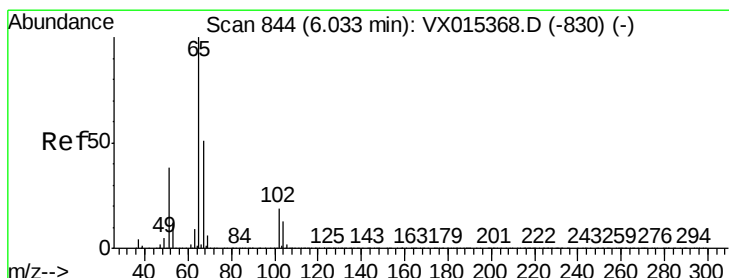
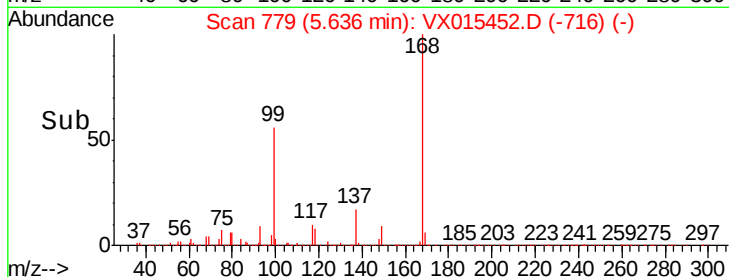
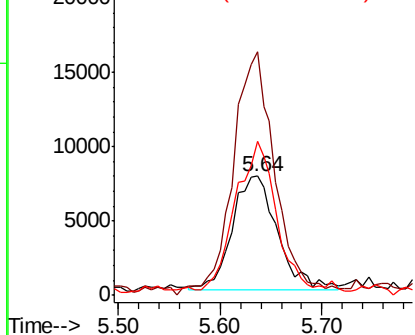
#31
Cyclohexane
Concen: 1.185 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 23663
Ion Ratio Lower Upper
56 100
69 213.5 24.6 36.8#
84 133.5 66.1 99.1#

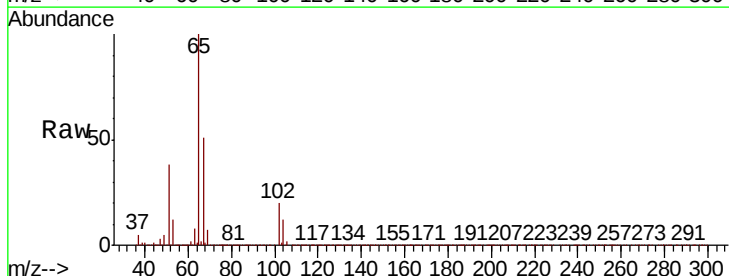


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

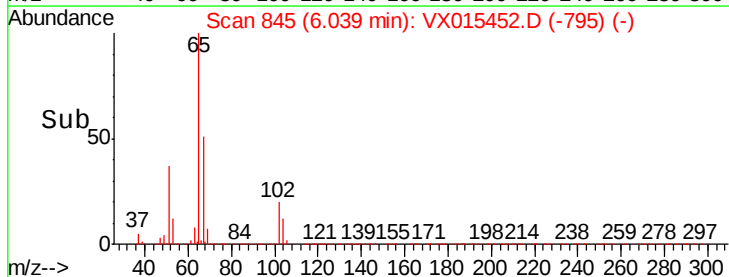
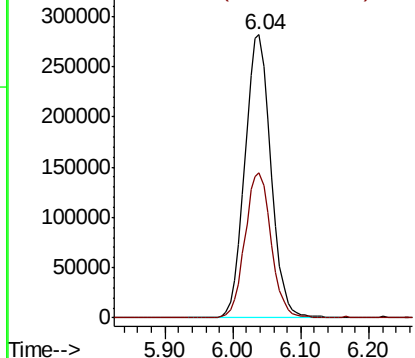


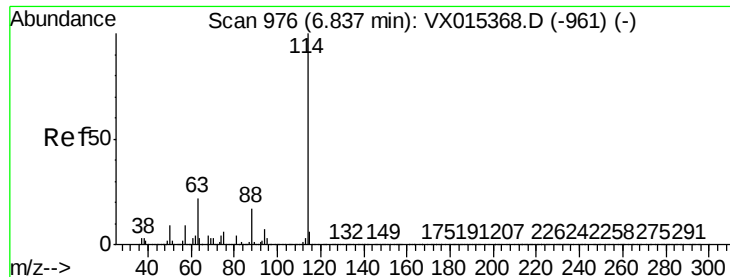
#33
1,2-Dichloroethane-d4
Concen: 47.385 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Tgt Ion: 65 Resp: 747768
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

ClientSampled :

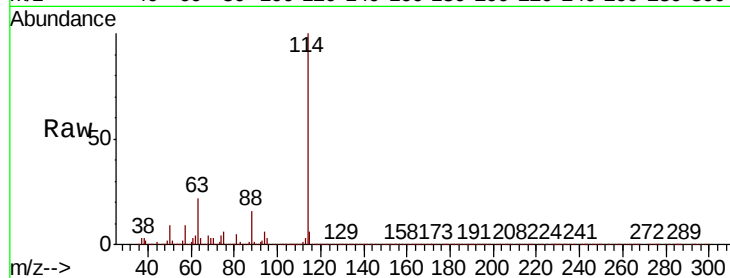
Tot Ion:114 Resp: 1802655

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.2

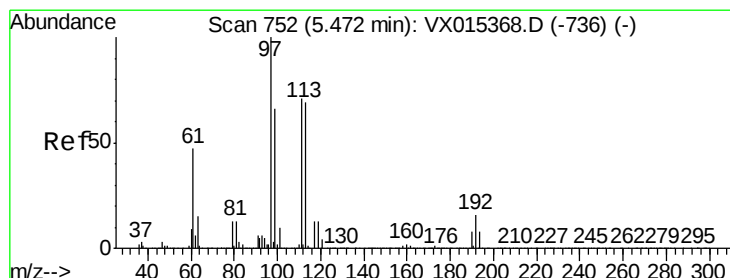
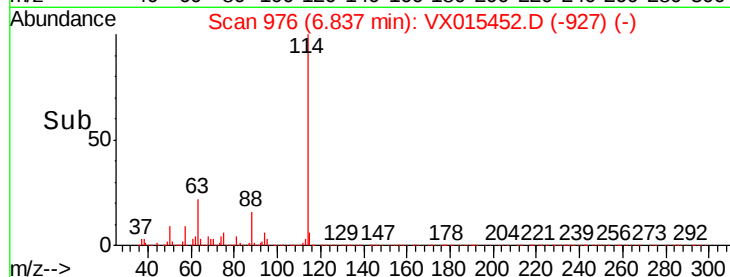
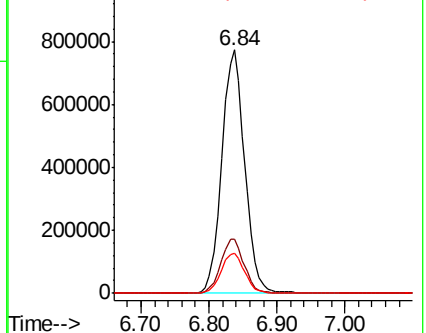
88 16.4 0.0 33.8



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: 48.598 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

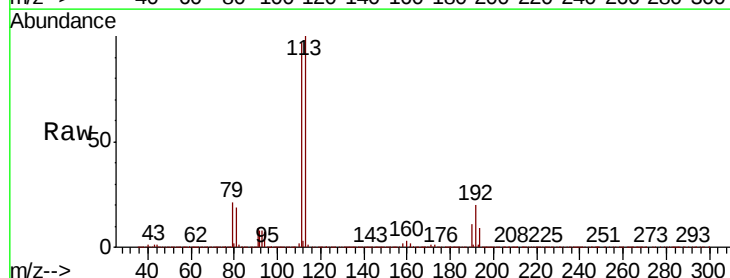
Tgt Ion:113 Resp: 559997

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

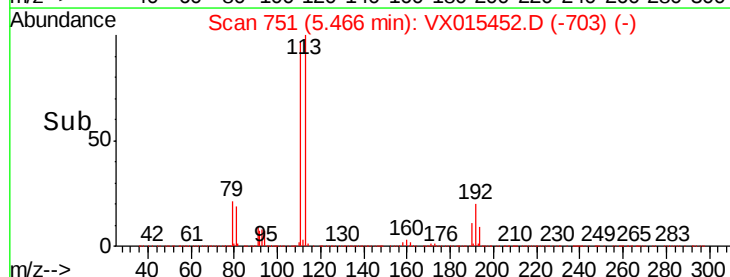
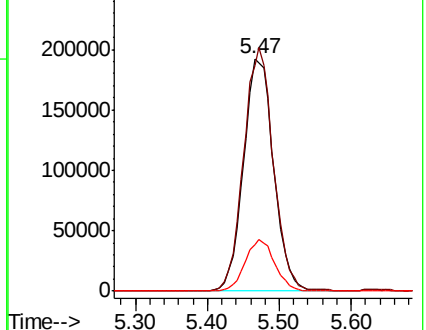
192 21.6 17.8 26.6

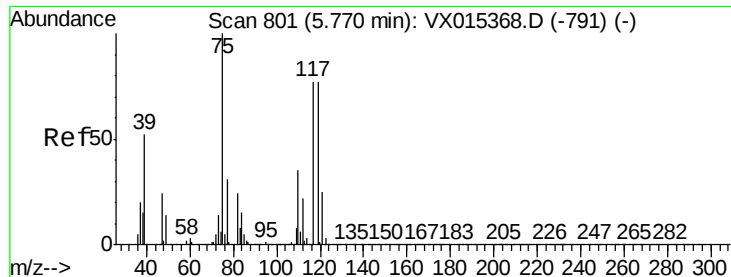


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.066 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

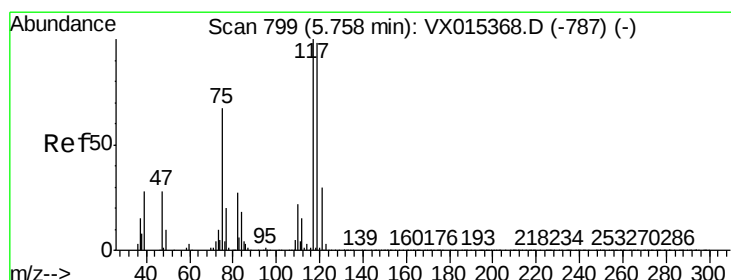
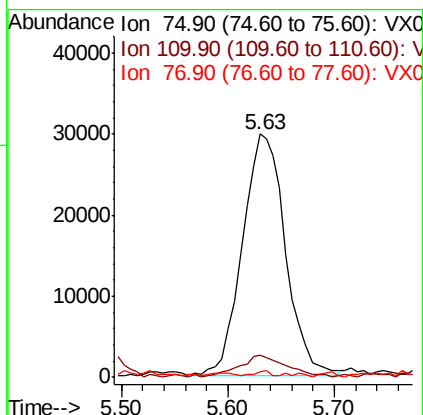
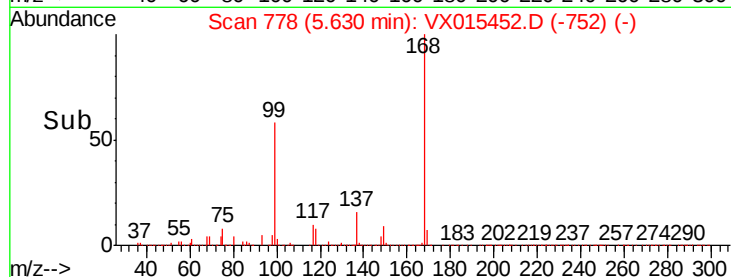
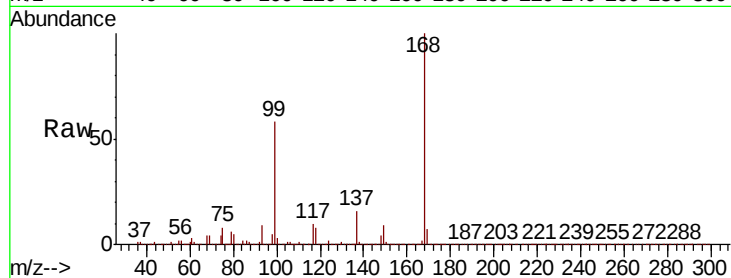
Tot Ion: 75 Resp: 84146

Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.3#

77 0.5 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

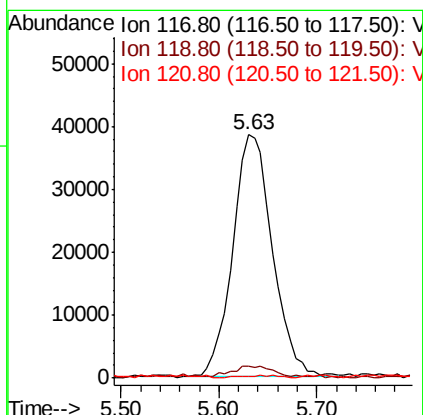
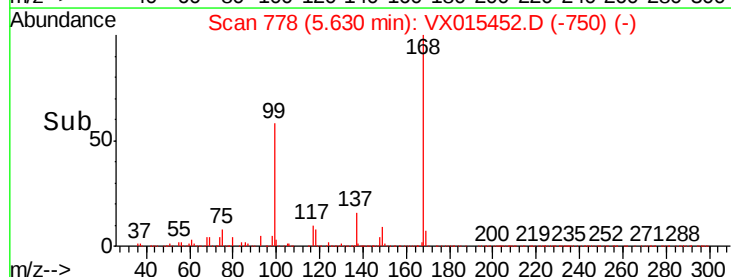
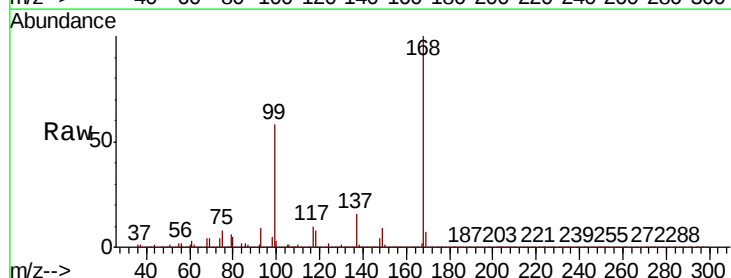
Tgt Ion:117 Resp: 108664

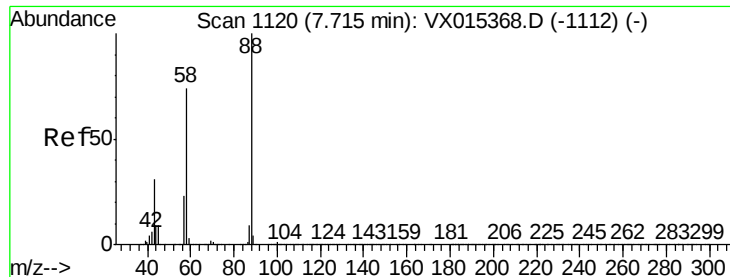
Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.2 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.249 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.02 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :
MSVOA_X
ClientSampled :

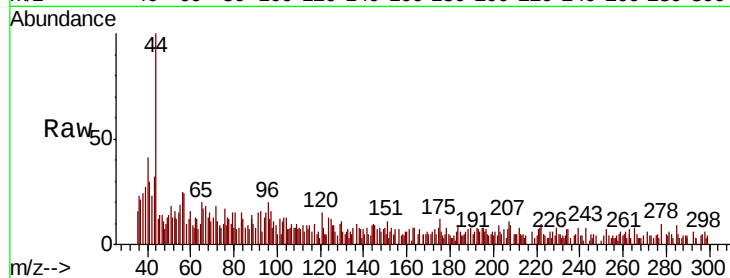
Tot Ion: 88 Resp: 425

Ion Ratio Lower Upper

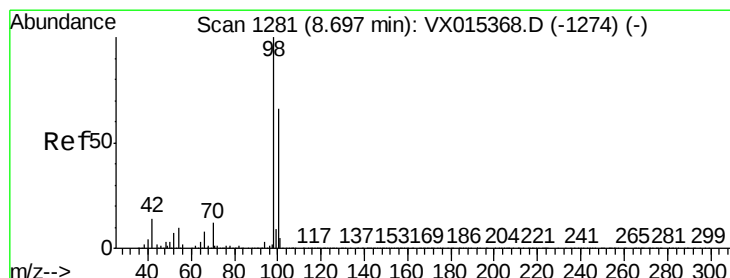
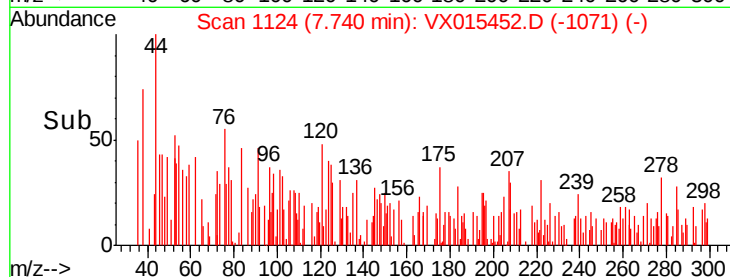
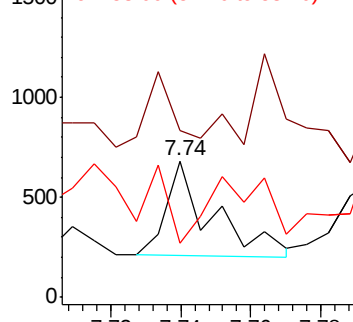
88 100

43 0.0 30.1 45.1#

58 32.0 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



#50

Toluene-d8

Concen: 51.532 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015452.D

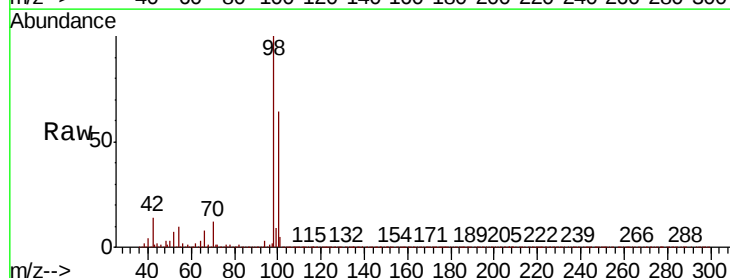
Acq: 31 Mar 2020 14:35

Tgt Ion: 98 Resp: 2186221

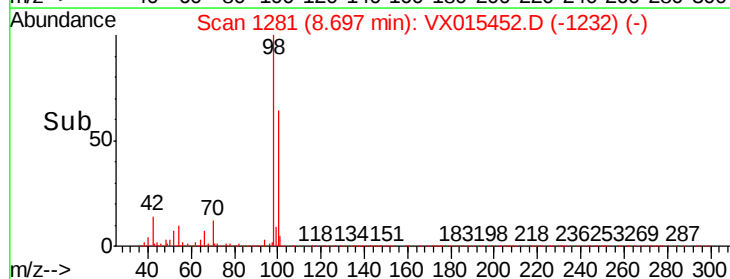
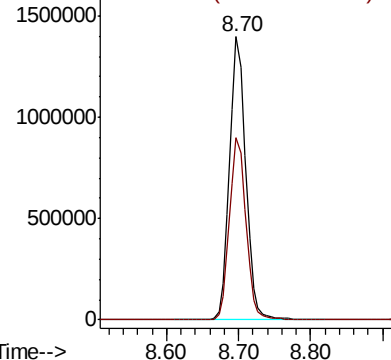
Ion Ratio Lower Upper

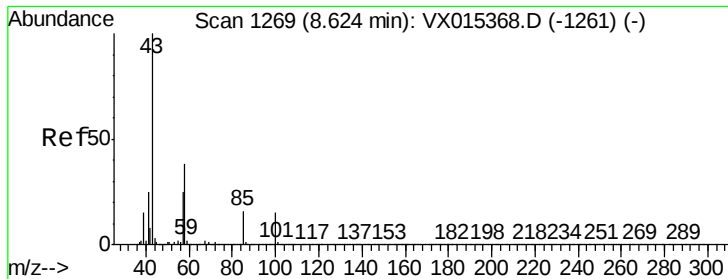
98 100

100 65.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

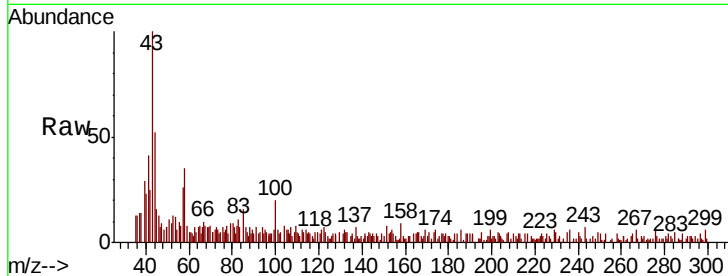
ClientSampled :

Tot Ion: 43 Resp: 5853

Ion Ratio Lower Upper

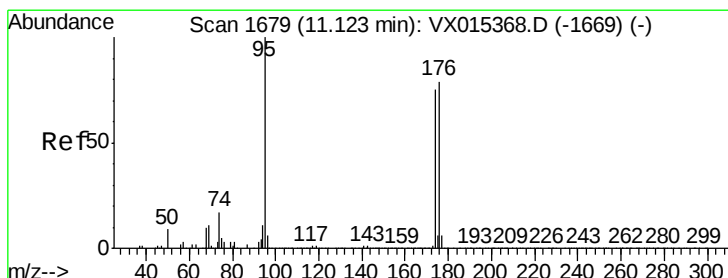
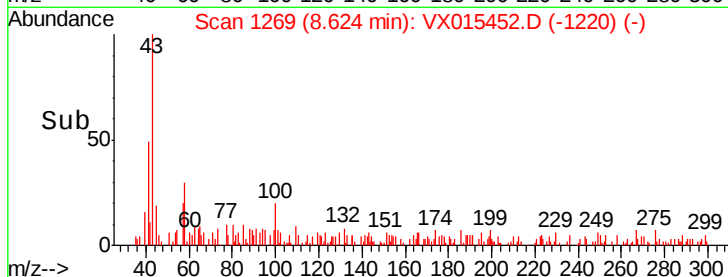
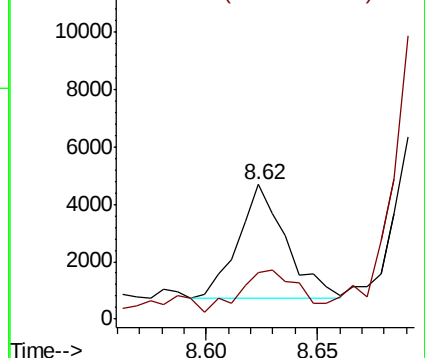
43 100

58 51.1 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.354 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

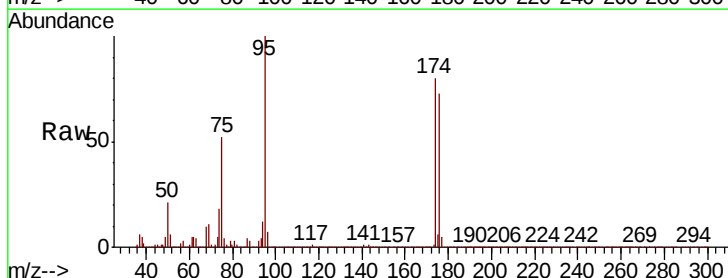
Tgt Ion: 95 Resp: 937139

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.6

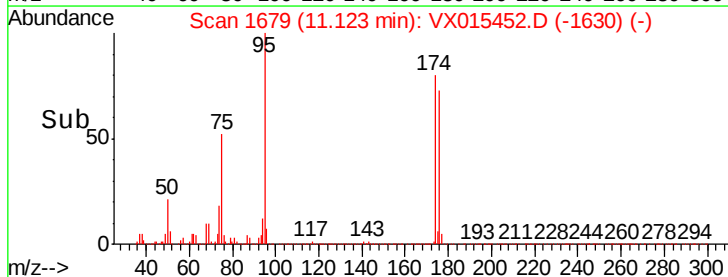
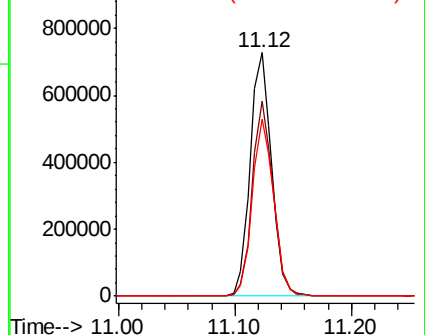
176 72.8 0.0 159.0

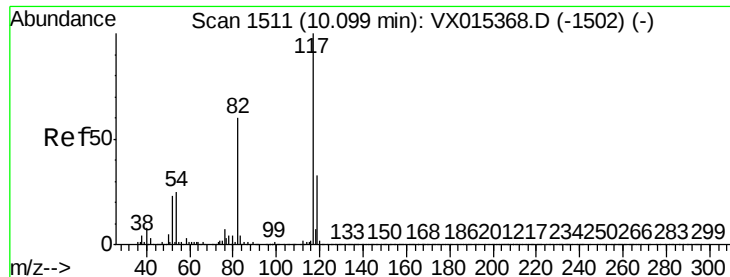


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

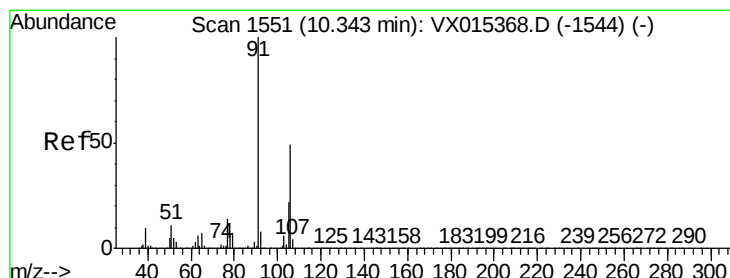
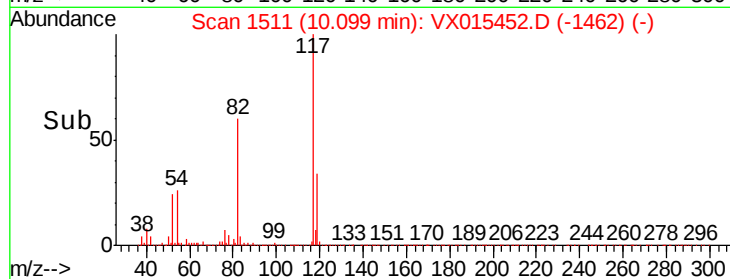
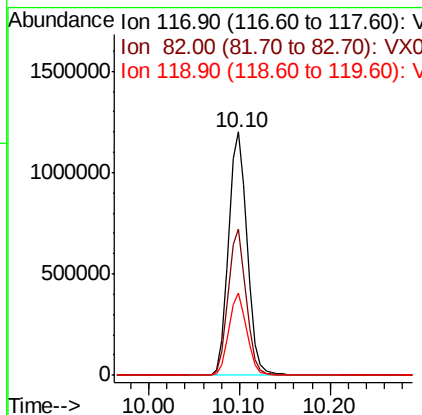
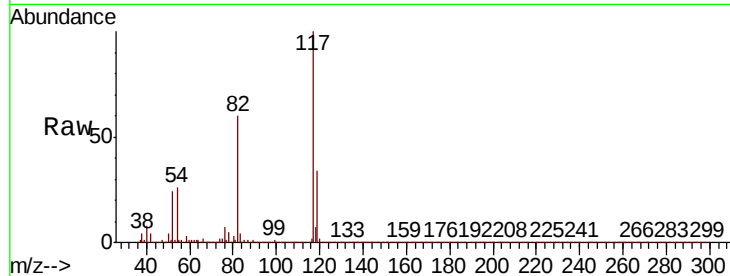




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

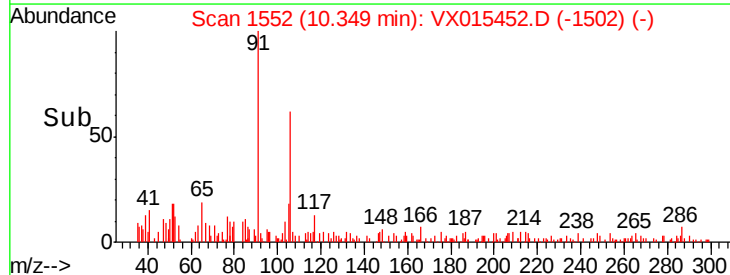
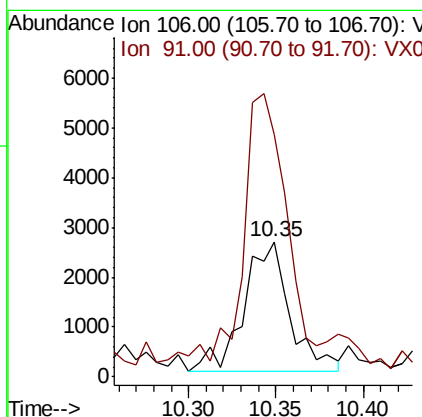
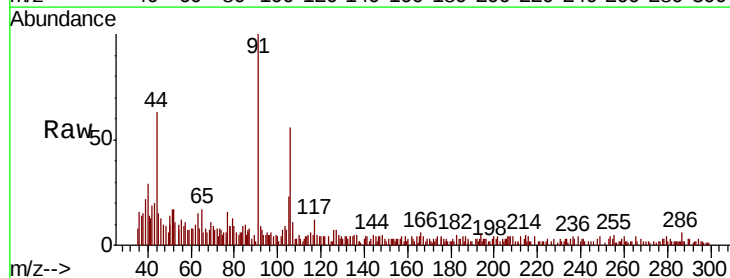
Instrument :
MSVOA_X
ClientSampleId :

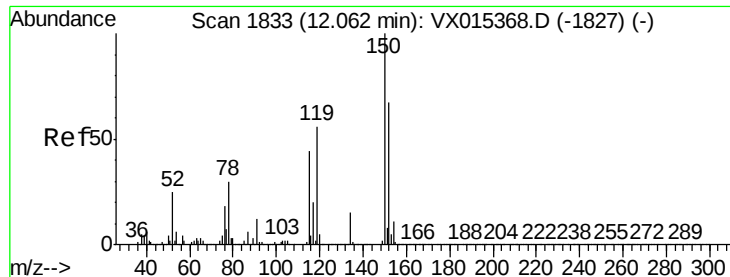
Tot Ion:117 Resp: 1702257
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 33.9 26.8 40.2



#68
m/p-Xylenes
Concen: 0.213 ug/l
RT: 10.35 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VX015452.D
Acq: 31 Mar 2020 14:35

Tgt Ion:106 Resp: 4780
Ion Ratio Lower Upper
106 100
91 182.7 163.4 245.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

ClientSampled :

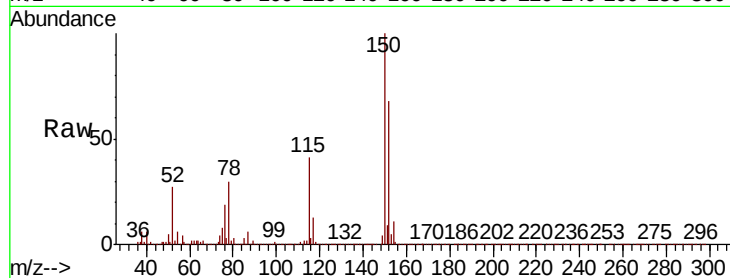
Tot Ion:152 Resp: 911865

Ion Ratio Lower Upper

152 100

115 60.0 39.0 116.9

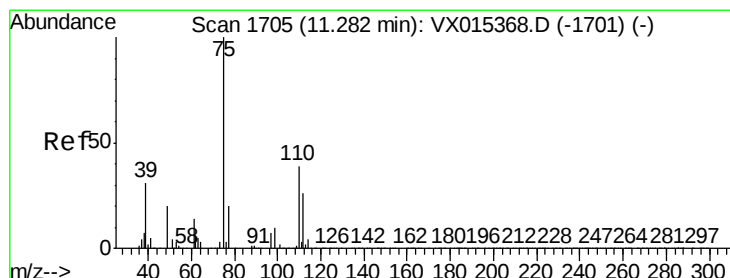
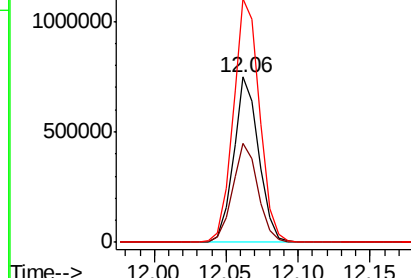
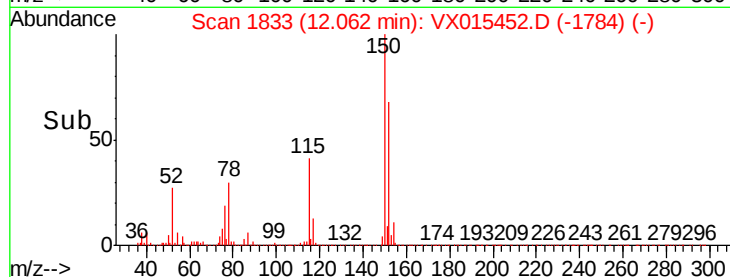
150 153.4 0.0 340.8



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: 25.656 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015452.D

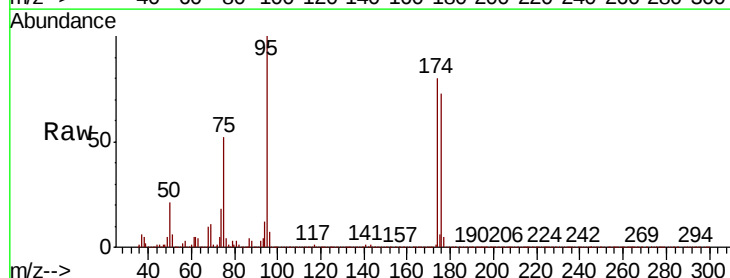
Acq: 31 Mar 2020 14:35

Tgt Ion: 75 Resp: 481091

Ion Ratio Lower Upper

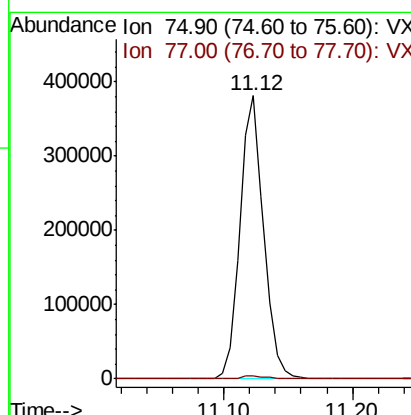
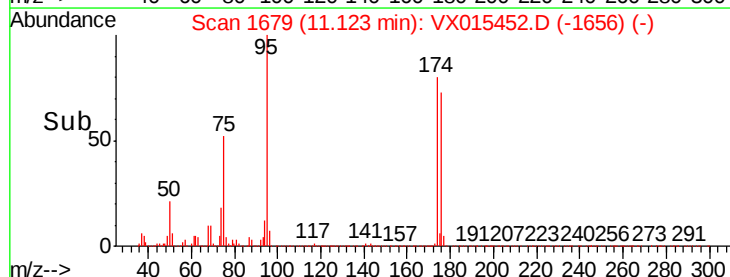
75 100

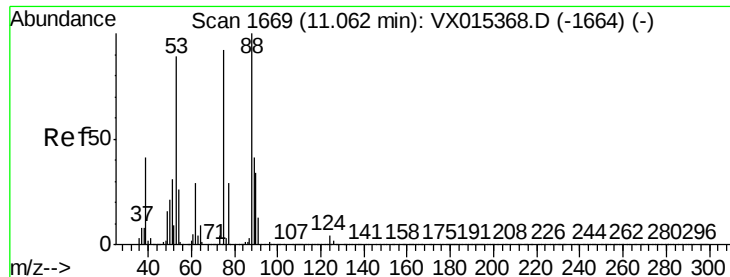
77 1.0 21.2 63.6#



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: 61.560 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015452.D

Acq: 31 Mar 2020 14:35

Instrument :

MSVOA_X

ClientSampleId :

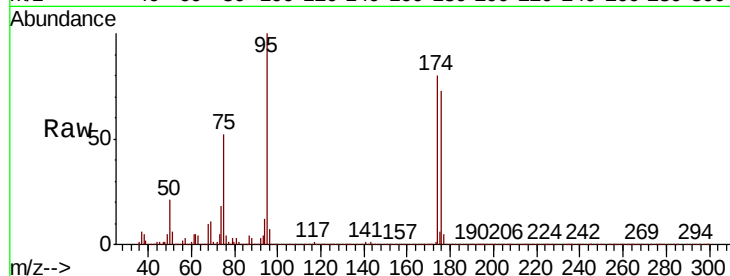
Tot Ion: 75 Resp: 481091

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

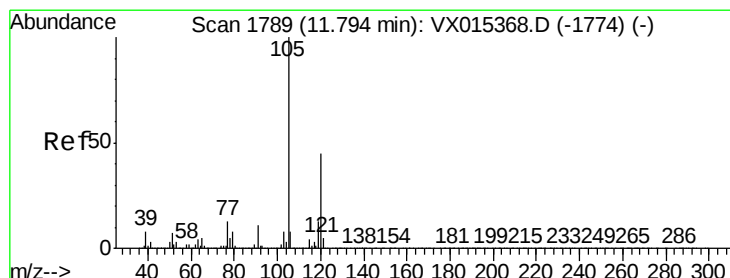
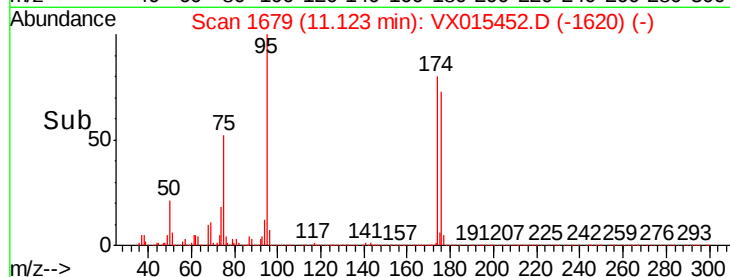
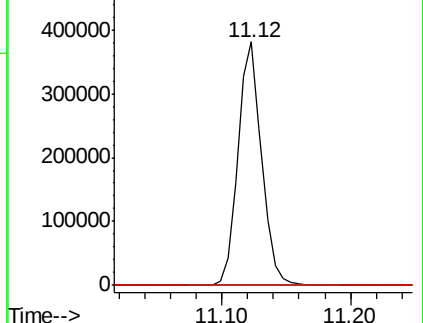
89 0.0 36.1 54.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.262 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015452.D

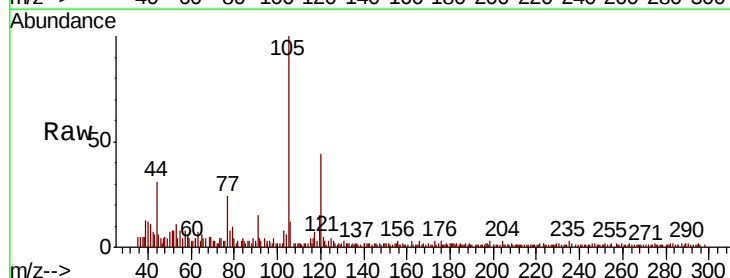
Acq: 31 Mar 2020 14:35

Tgt Ion: 105 Resp: 13612

Ion Ratio Lower Upper

105 100

120 49.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

