

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041520\
 Data File : VX015697.D
 Acq On : 15 Apr 2020 20:32
 Operator : JC/SP
 Sample : L2233-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-200408DL

Quant Time: Apr 16 06:01:46 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	1087392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1695652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1607292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	886095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	658452	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	
35) Dibromofluoromethane	5.47	113	515772	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	8.70	98	2009707	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.12	95	843087	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	

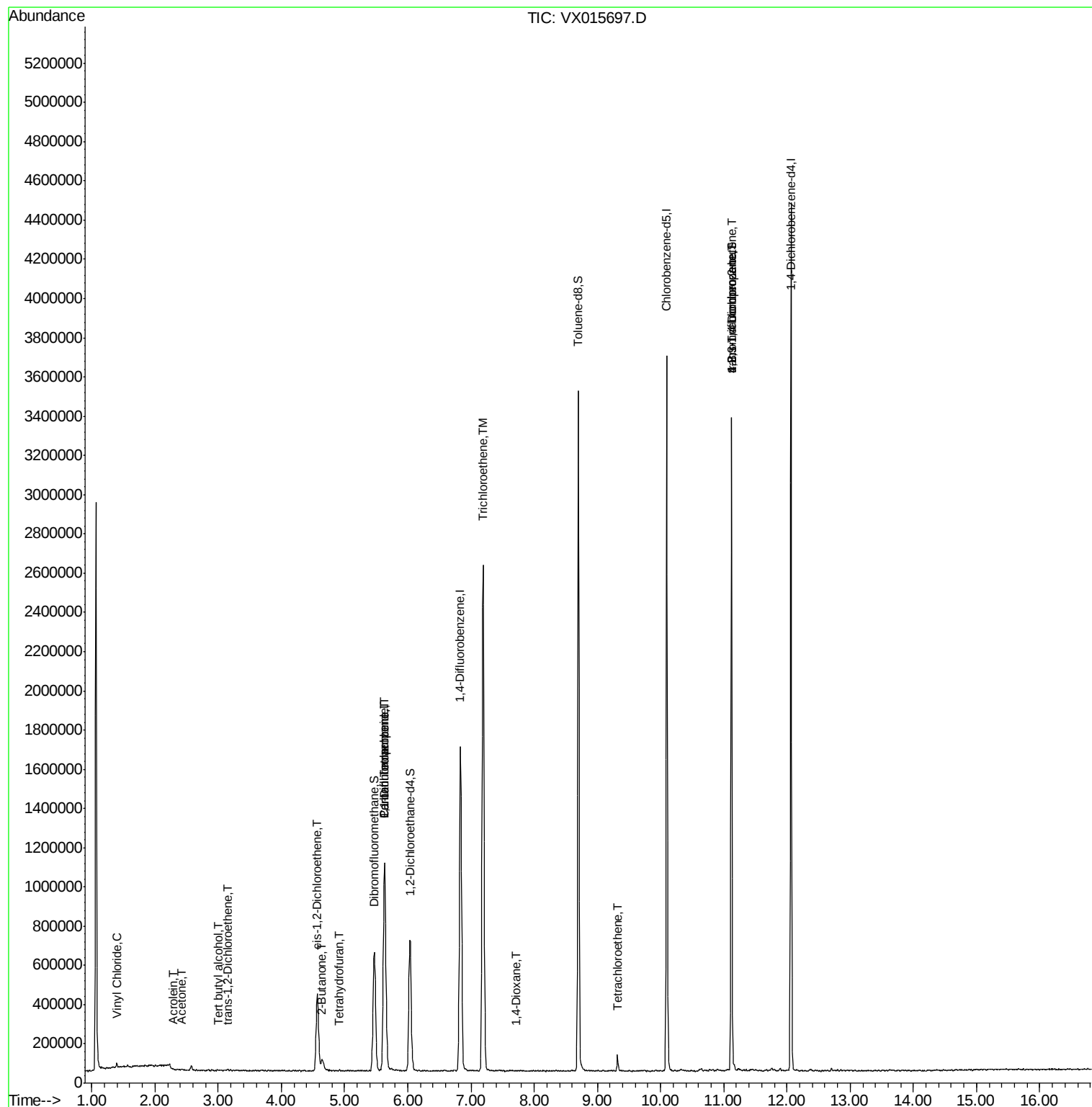
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	12852	1.147	ug/l	99
5) Bromomethane	1.60	94	372	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	2098	0.572	ug/l #	1
13) Acrolein	2.28	56	450	0.215	ug/l #	68
16) Acetone	2.42	43	4098	0.622	ug/l	92
21) trans-1,2-Dichloroethene	3.15	96	2448	0.215	ug/l #	56
25) 2-Butanone	4.64	43	2840	0.268	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	247961	18.811	ug/l	91
29) Tetrahydrofuran	4.91	42	1593	0.234	ug/l	88
36) 1,1-Dichloropropene	5.64	75	74457	4.766	ug/l #	51
38) Carbon Tetrachloride	5.64	117	98530	5.823	ug/l #	15
44) Trichloroethene	7.19	130	1034611	82.892	ug/l	97
49) 1,4-Dioxane	7.72	88	344	1.075	ug/l #	27
64) Tetrachloroethene	9.32	164	18547	1.529	ug/l #	82
76) 1,2,3-Trichloropropane	11.12	75	418965	22.992	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	418965	55.169	ug/l #	10

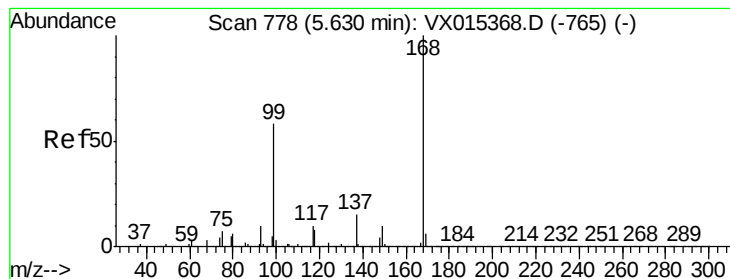
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041520\
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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
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: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

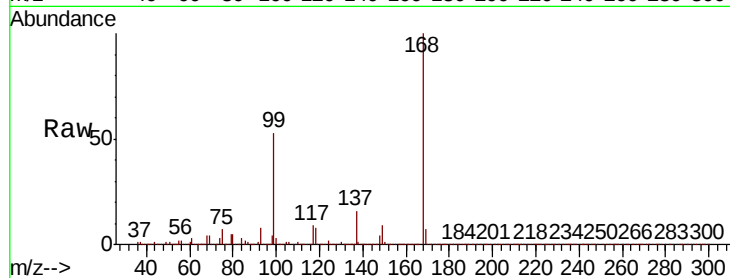
KY036MW026-200408DL

Tot Ion:168 Resp: 1087392

Ion Ratio Lower Upper

168 100

99 52.7 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

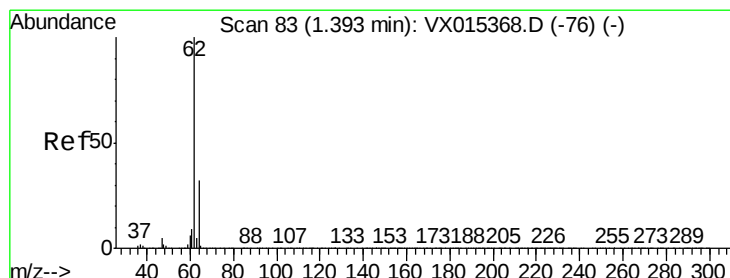
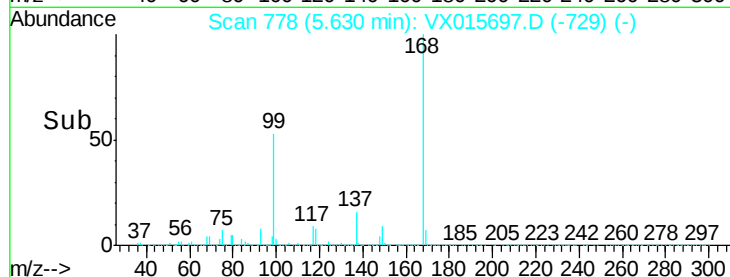
Time-->

5.50

5.60

5.70

5.80



#4

Vinyl Chloride

Concen: 1.147 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015697.D

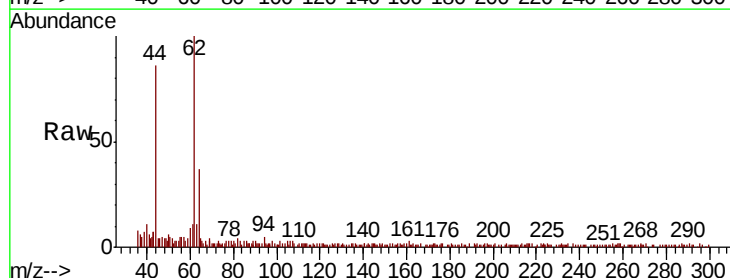
Acq: 15 Apr 2020 20:32

Tgt Ion: 62 Resp: 12852

Ion Ratio Lower Upper

62 100

64 32.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

15000

10000

5000

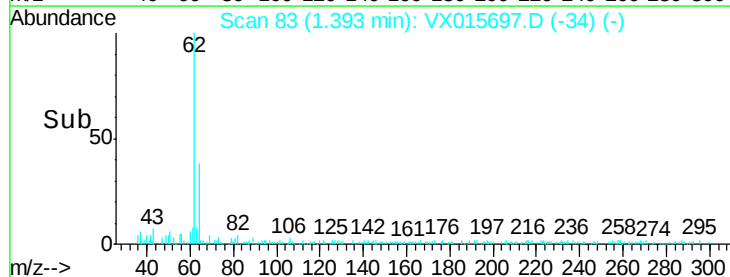
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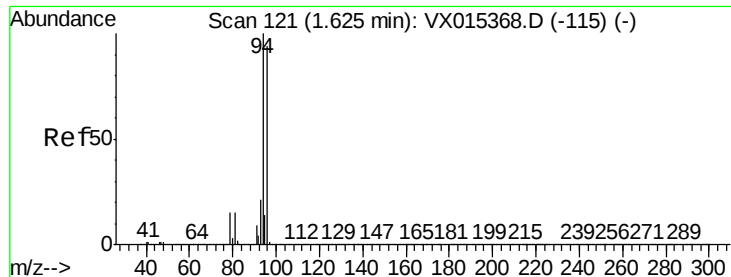
Time-->

1.35

1.40

1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 117

Delta R.T. -0.02 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

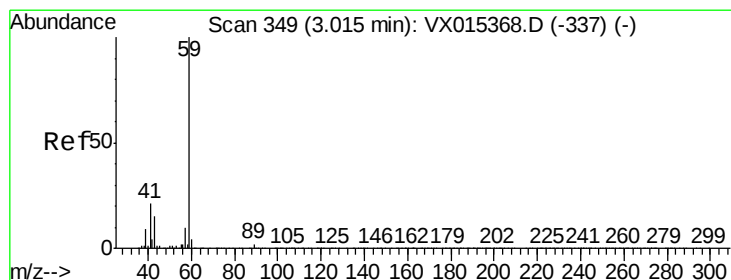
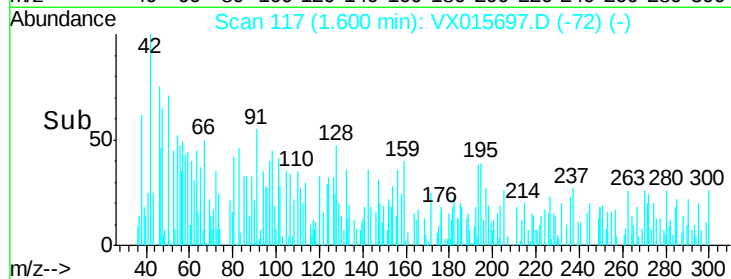
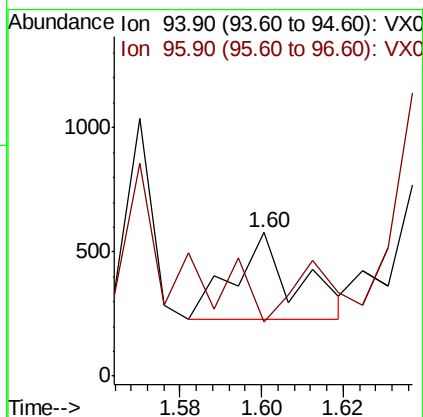
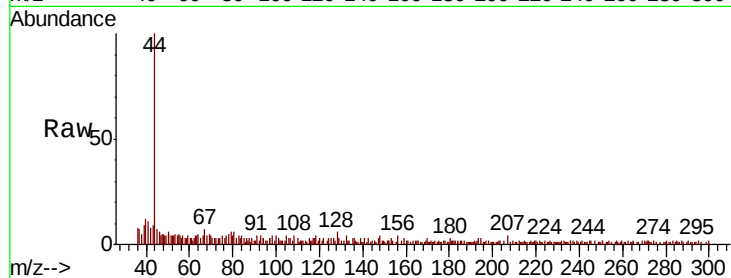
KY036MW026-200408DL

Tot Ion: 94 Resp: 372

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.572 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.01 min

Lab File: VX015697.D

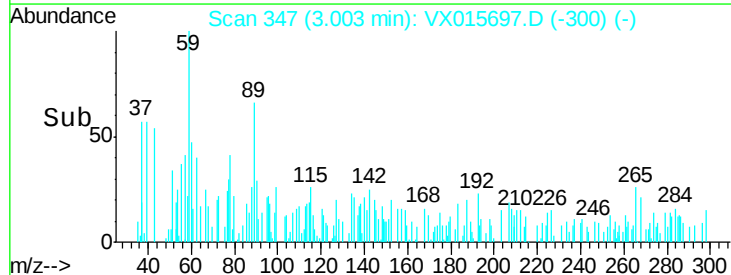
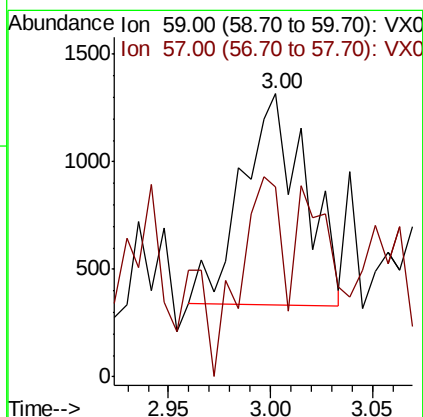
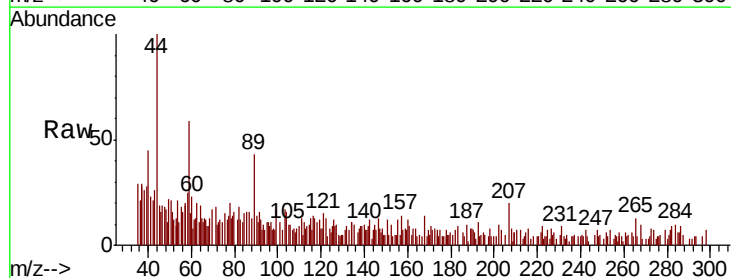
Acq: 15 Apr 2020 20:32

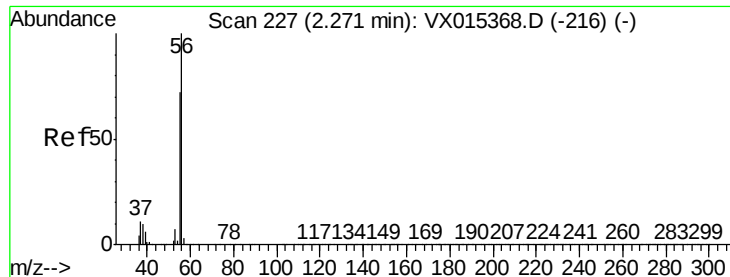
Tgt Ion: 59 Resp: 2098

Ion Ratio Lower Upper

59 100

57 63.7 8.1 12.1#





#13

Acrolein

Concen: 0.215 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

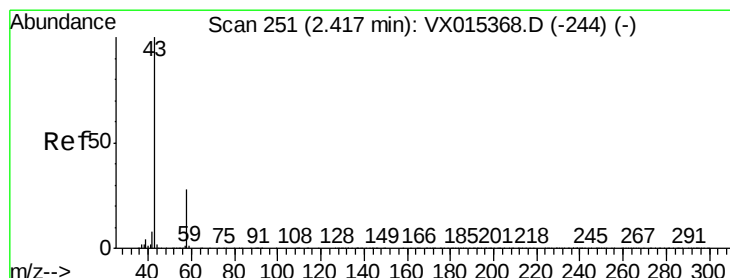
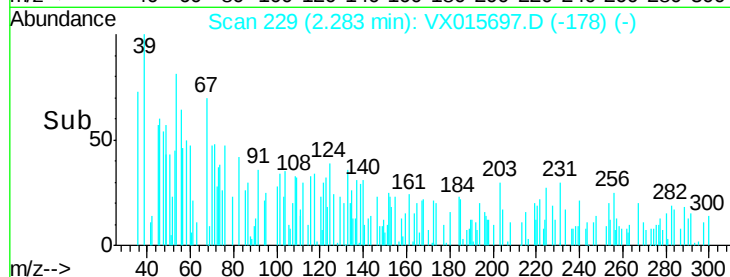
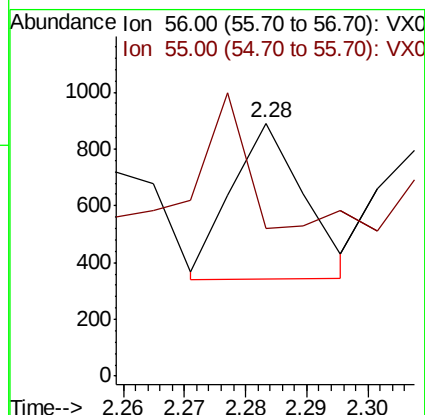
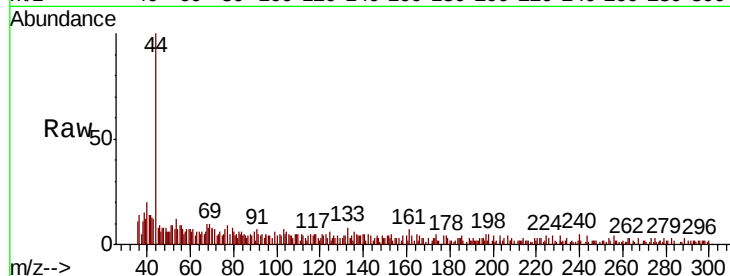
KY036MW026-200408DL

Tot Ion: 56 Resp: 450

Ion Ratio Lower Upper

56 100

55 44.9 57.0 85.4#



#16

Acetone

Concen: 0.622 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015697.D

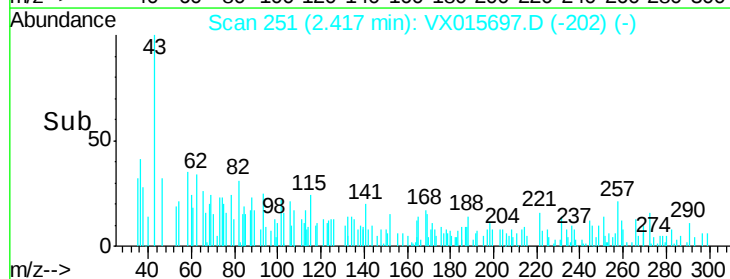
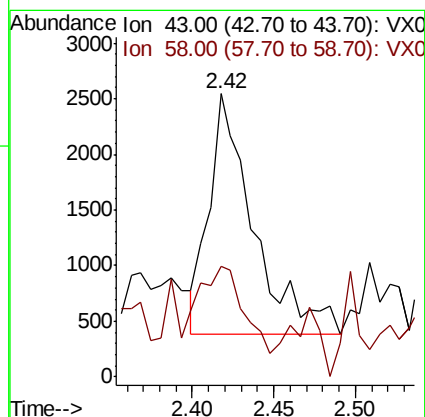
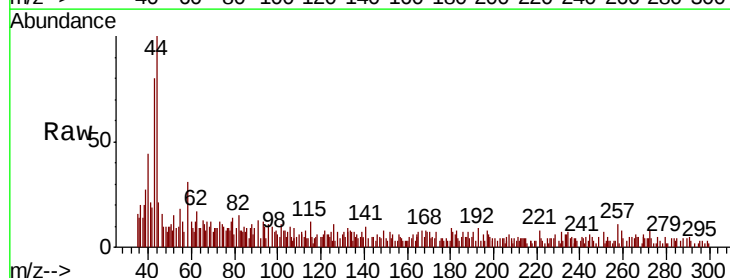
Acq: 15 Apr 2020 20:32

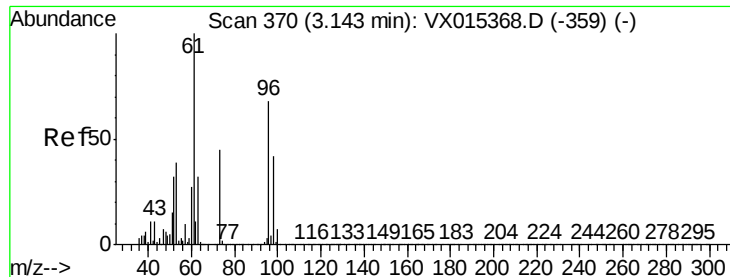
Tgt Ion: 43 Resp: 4098

Ion Ratio Lower Upper

43 100

58 32.0 22.1 33.1





#21

trans-1,2-Dichloroethene

Concen: 0.215 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408DL

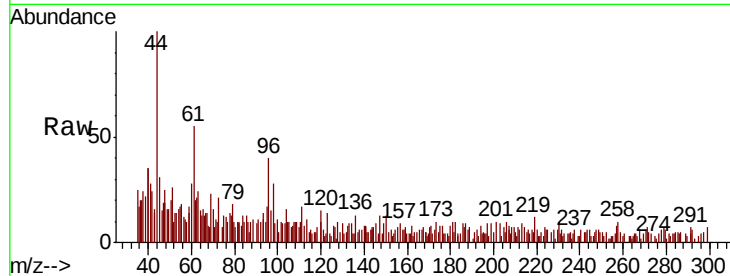
Tot Ion: 96 Resp: 2448

Ion Ratio Lower Upper

96 100

61 75.7 116.9 175.3#

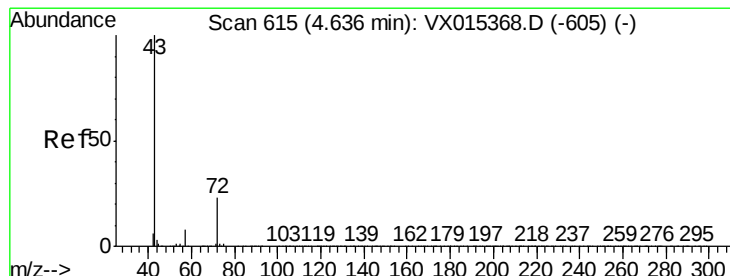
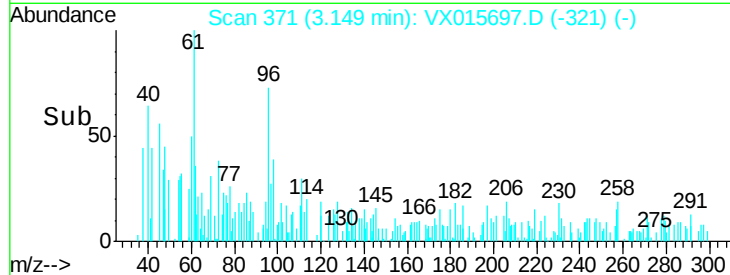
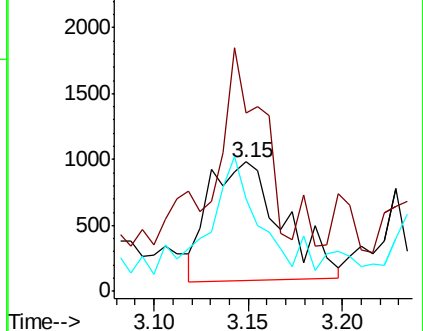
98 49.1 48.6 73.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.268 ug/l

RT: 4.64 min Scan# 616

Delta R.T. 0.01 min

Lab File: VX015697.D

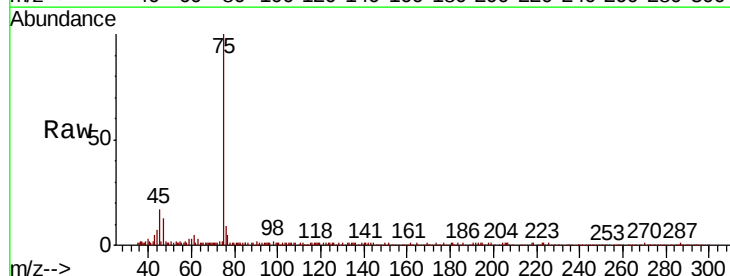
Acq: 15 Apr 2020 20:32

Tgt Ion: 43 Resp: 2840

Ion Ratio Lower Upper

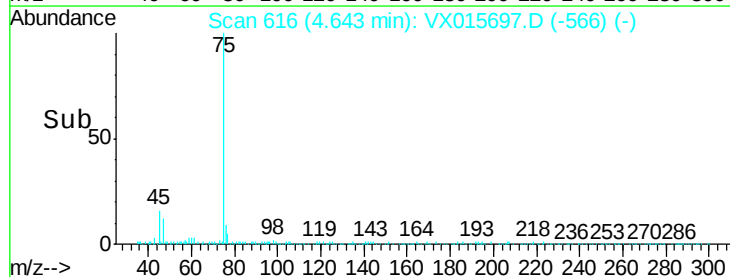
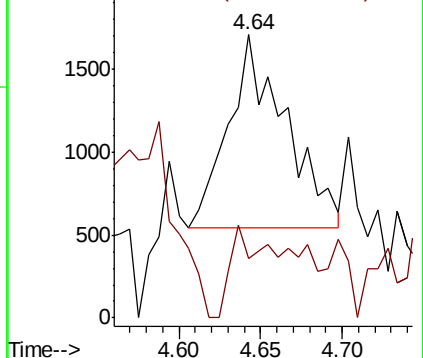
43 100

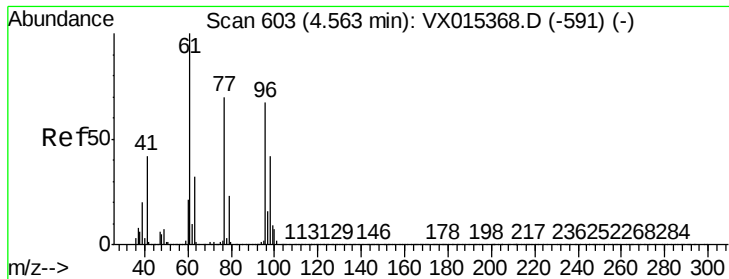
72 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



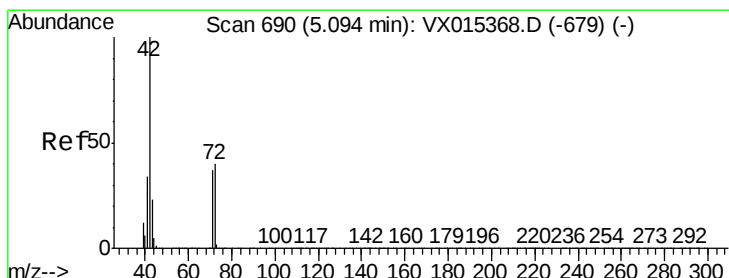
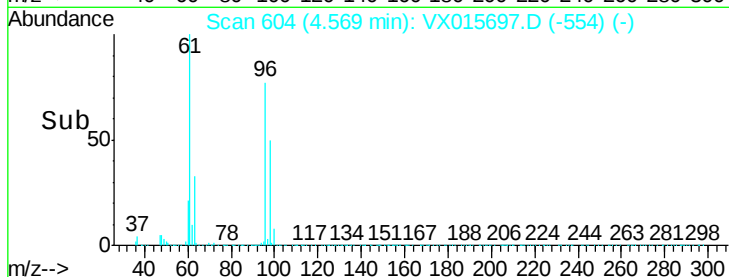
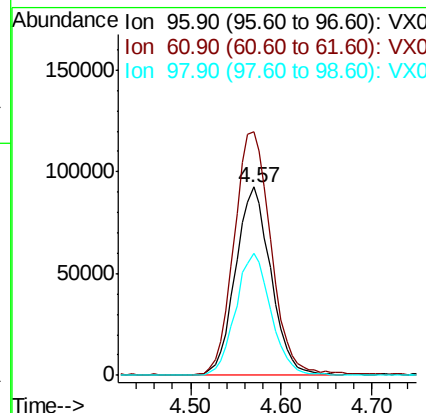
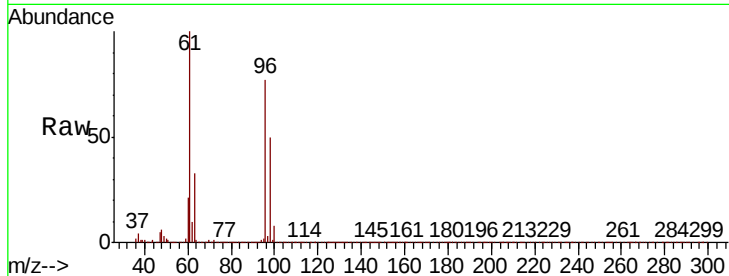


#27

cis-1,2-Dichloroethene
Concen: 18.811 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015697.D
Acq: 15 Apr 2020 20:32

Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408DL

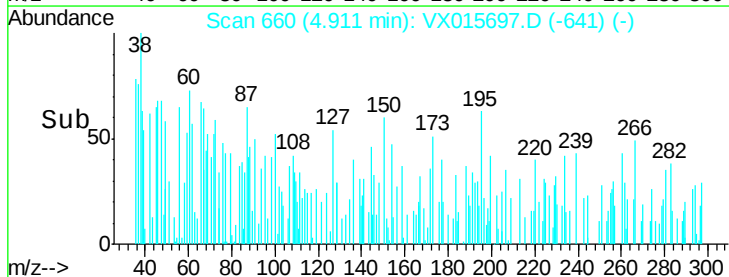
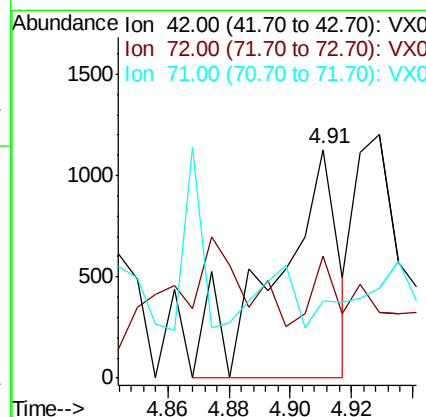
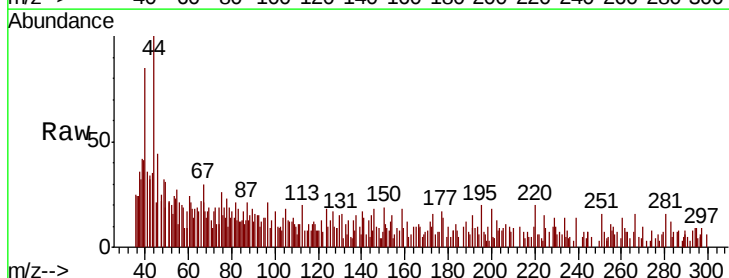
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	308.4
98	65.0	0.0	129.2

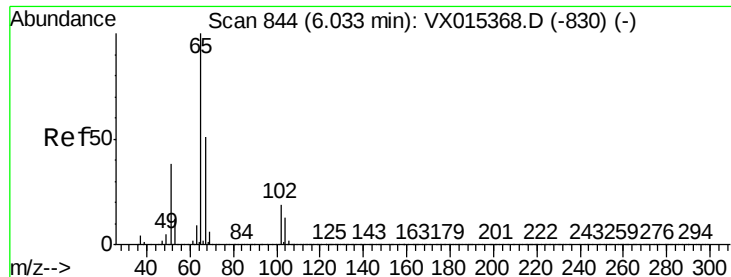


#29

Tetrahydrofuran
Concen: 0.234 ug/l
RT: 4.91 min Scan# 660
Delta R.T. -0.18 min
Lab File: VX015697.D
Acq: 15 Apr 2020 20:32

Tgt Ion	Ratio	Lower	Upper
42	100		
72	32.2	31.7	47.5
71	30.1	29.6	44.4





#33

1,2-Dichloroethane-d4

Concen: 42.934 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

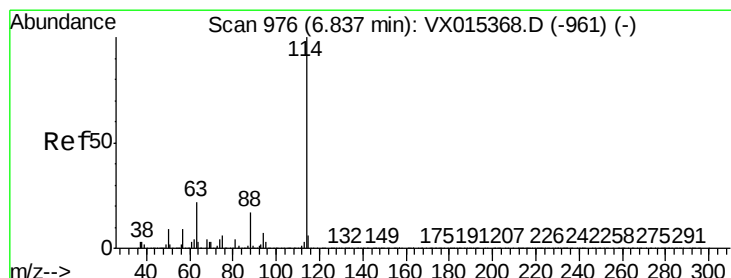
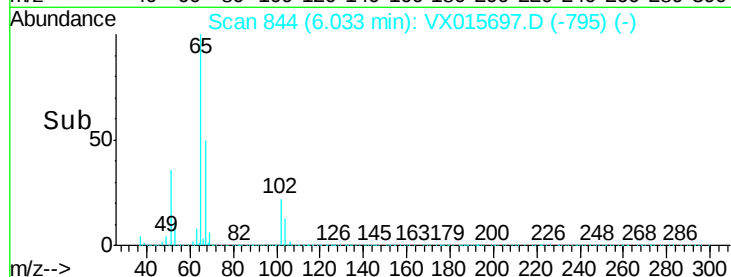
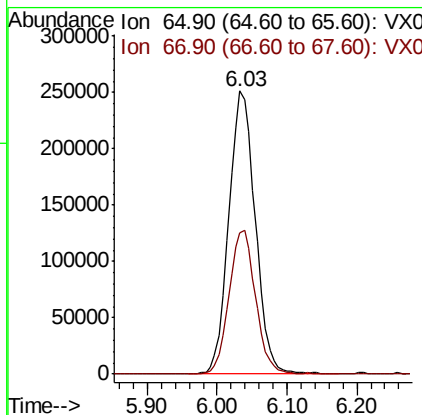
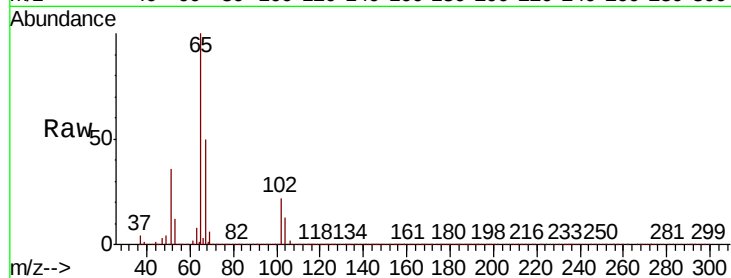
KY036MW026-200408DL

Tot Ion: 65 Resp: 658452

Ion Ratio Lower Upper

65 100

67 50.6 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: VX015697.D

Acq: 15 Apr 2020 20:32

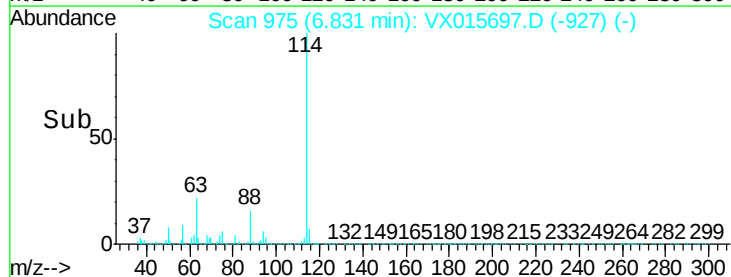
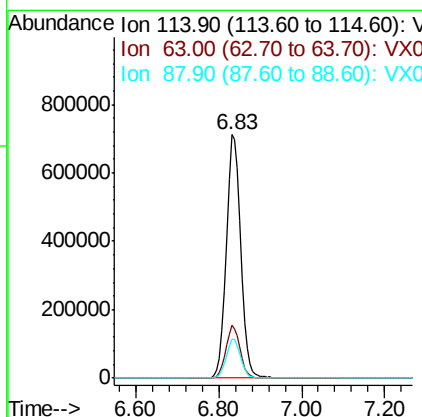
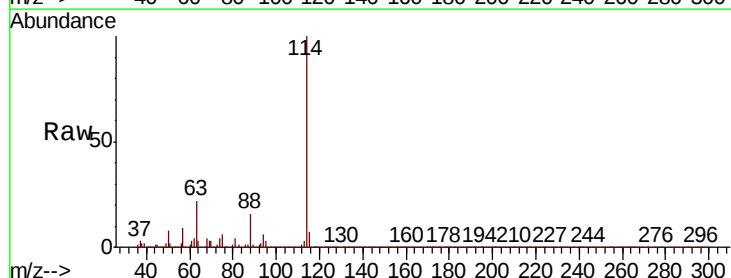
Tgt Ion: 114 Resp: 1695652

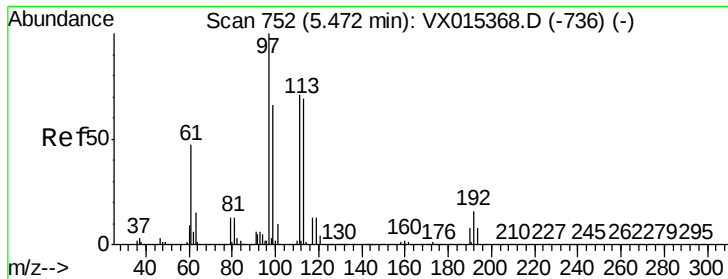
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 16.0 0.0 33.8

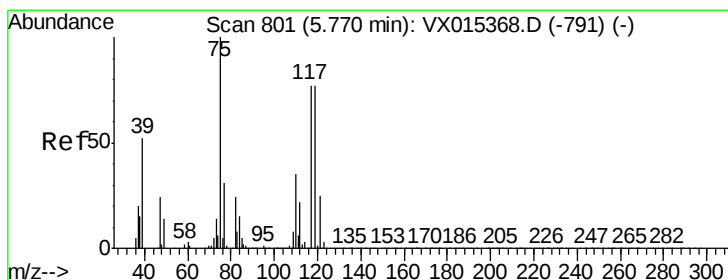
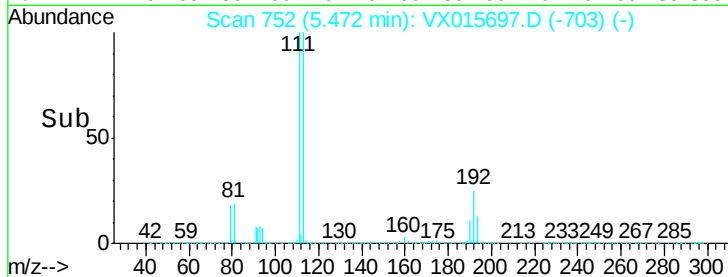
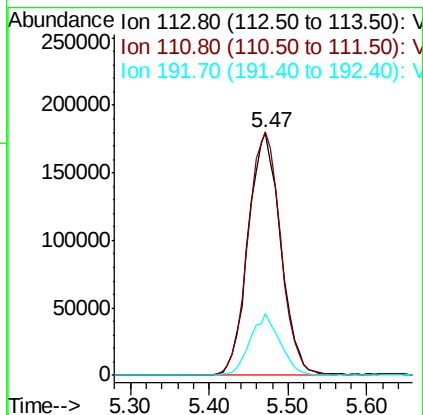
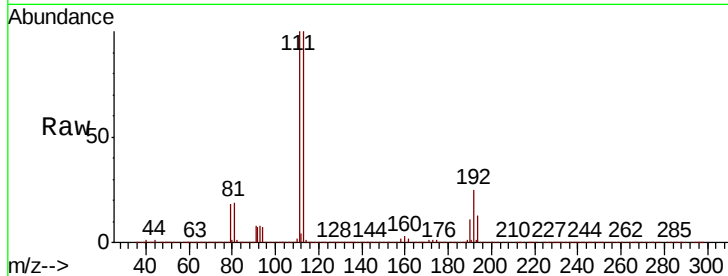




#35
 Dibromofluoromethane
 Concen: 47.585 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015697.D
 Acq: 15 Apr 2020 20:32

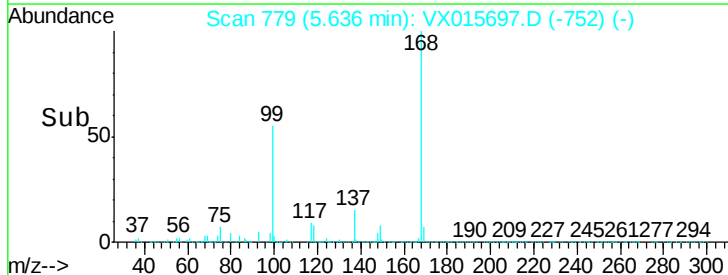
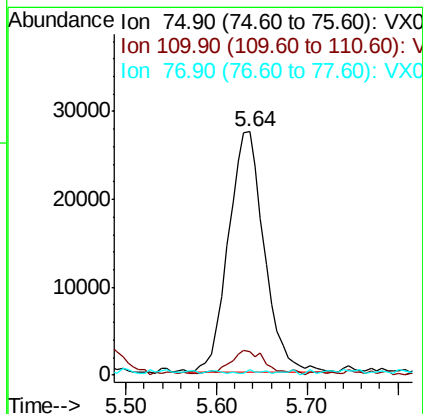
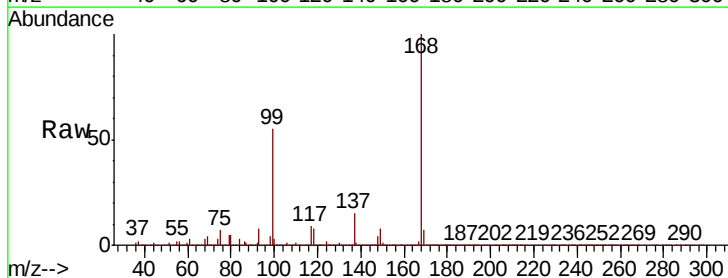
Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-200408DL

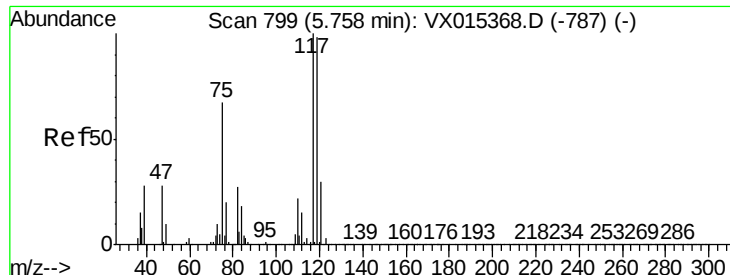
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.5	122.3
192	23.2	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.766 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.13 min
 Lab File: VX015697.D
 Acq: 15 Apr 2020 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.1	51.3#
77	0.4	24.6	36.8#

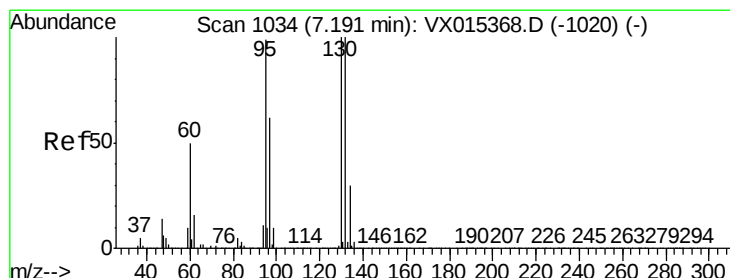
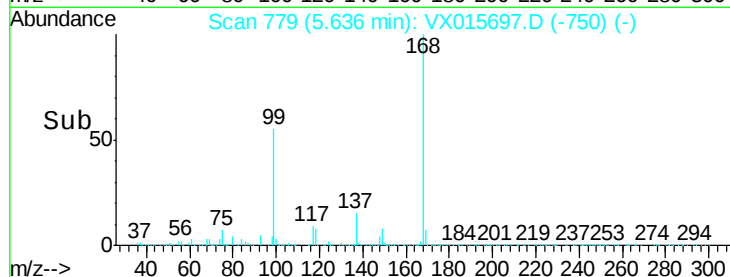
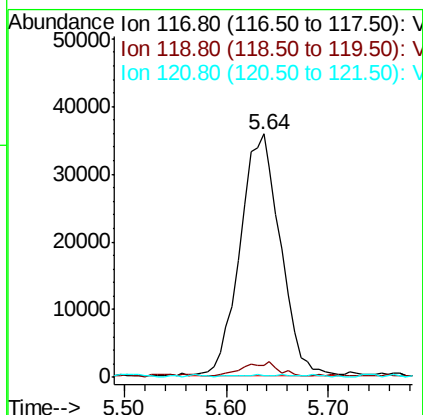
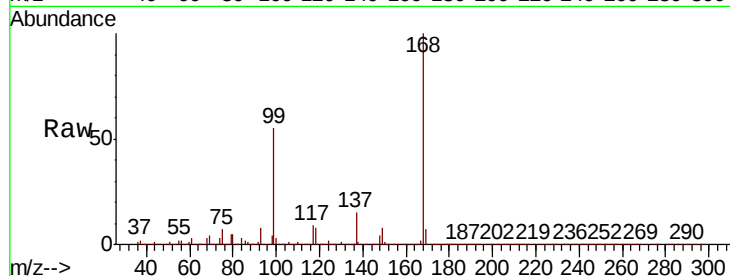




#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015697.D
Acq: 15 Apr 2020 20:32

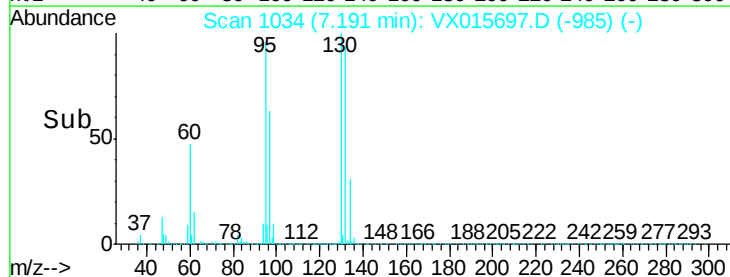
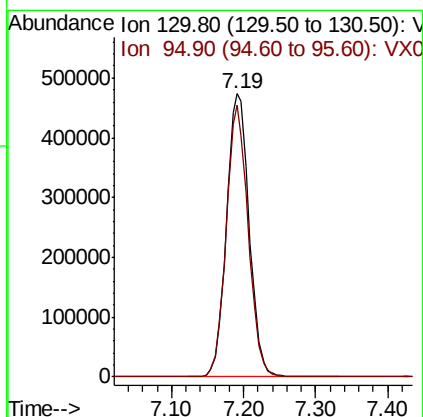
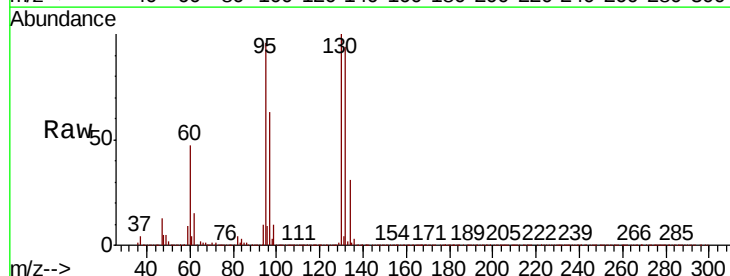
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408DL

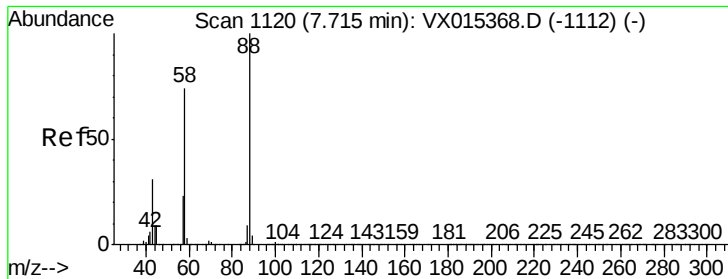
Tot Ion:117 Resp: 98530
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.3 23.8 35.8#



#44
Trichloroethene
Concen: 82.892 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015697.D
Acq: 15 Apr 2020 20:32

Tgt Ion:130 Resp: 1034611
Ion Ratio Lower Upper
130 100
95 96.1 0.0 199.0





#49

1,4-Dioxane

Concen: 1.075 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408DL

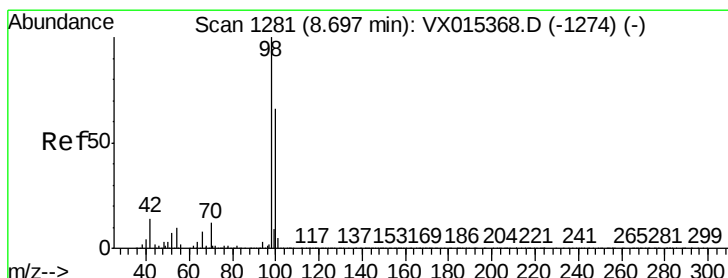
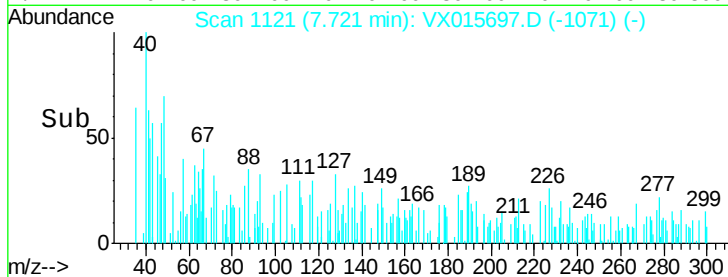
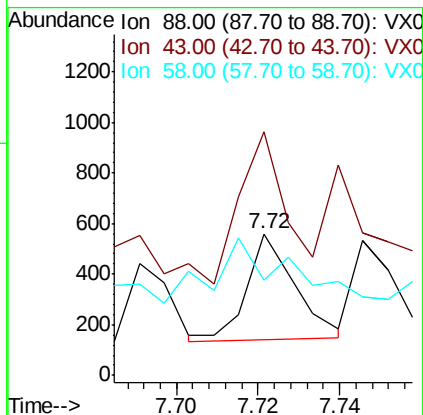
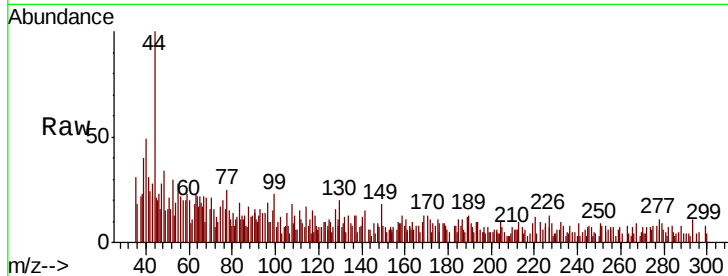
Tot Ion: 88 Resp: 344

Ion Ratio Lower Upper

88 100

43 136.9 30.1 45.1#

58 98.3 60.6 90.8#



#50

Toluene-d8

Concen: 50.360 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015697.D

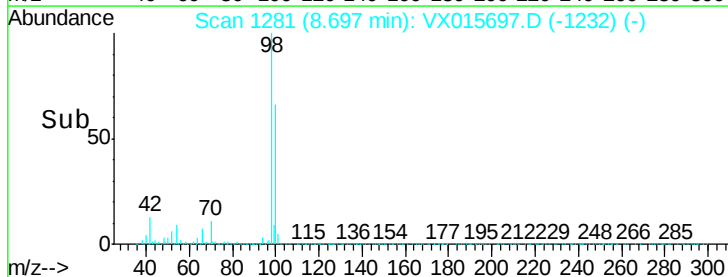
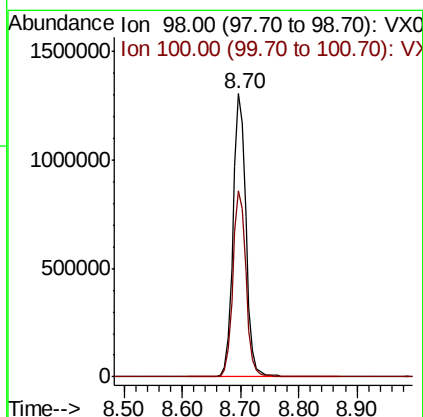
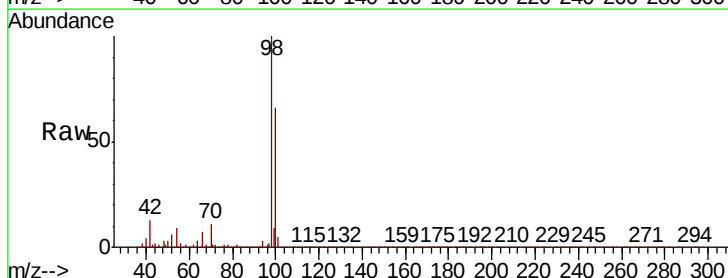
Acq: 15 Apr 2020 20:32

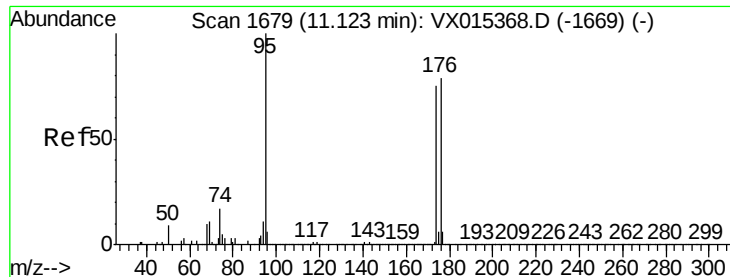
Tgt Ion: 98 Resp: 2009707

Ion Ratio Lower Upper

98 100

100 67.0 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 51.984 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408DL

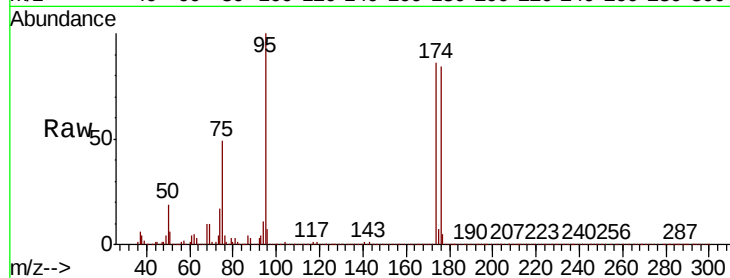
Tot Ion: 95 Resp: 843087

Ion Ratio Lower Upper

95 100

174 86.6 0.0 158.6

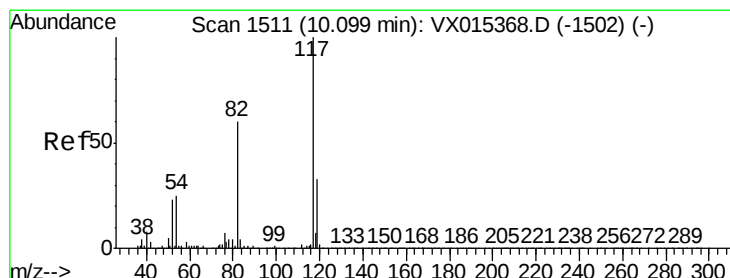
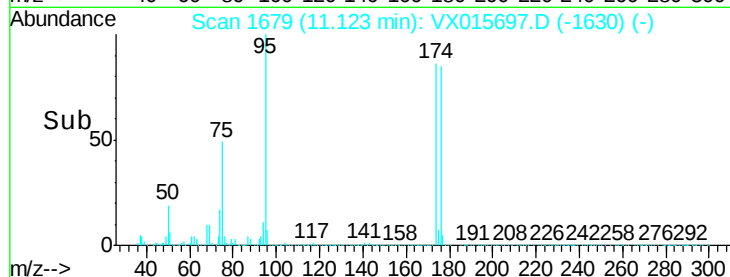
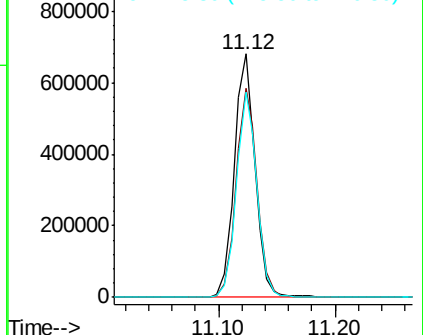
176 83.1 0.0 159.0



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: VX015697.D

Acq: 15 Apr 2020 20:32

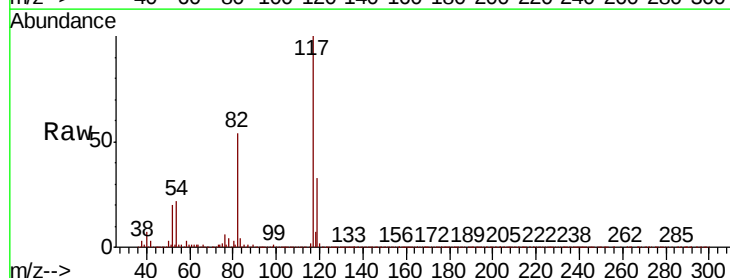
Tgt Ion: 117 Resp: 1607292

Ion Ratio Lower Upper

117 100

82 54.0 47.8 71.8

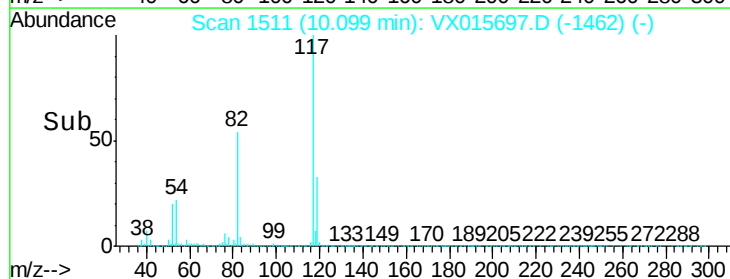
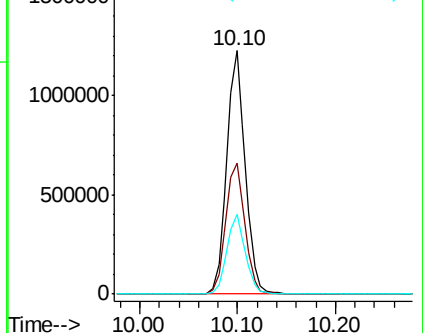
119 32.6 26.8 40.2

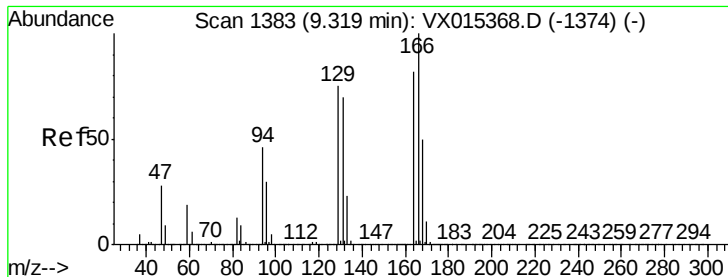


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.529 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408DL

Tot Ion:164 Resp: 18547

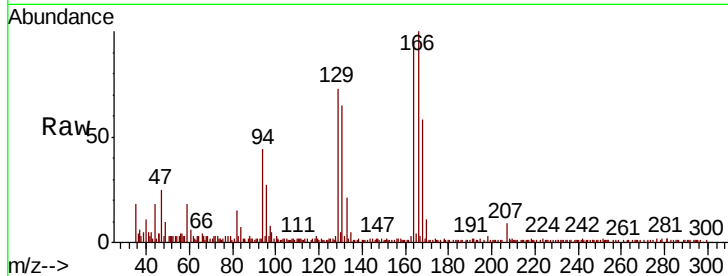
Ion Ratio Lower Upper

164 100

166 103.0 97.8 146.6

129 76.2 73.0 109.4

131 66.4 68.6 103.0#



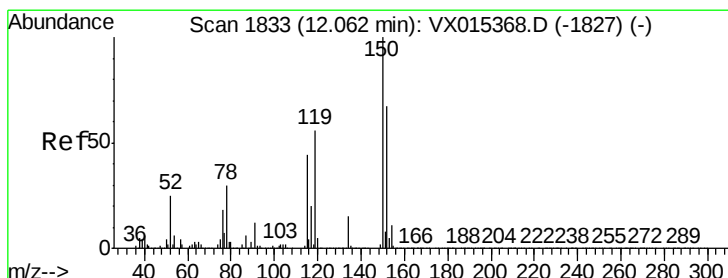
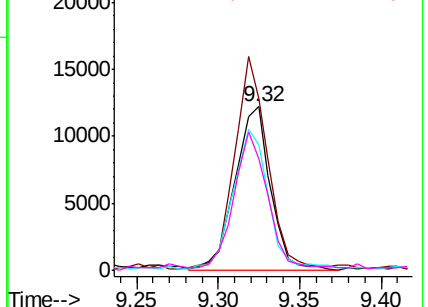
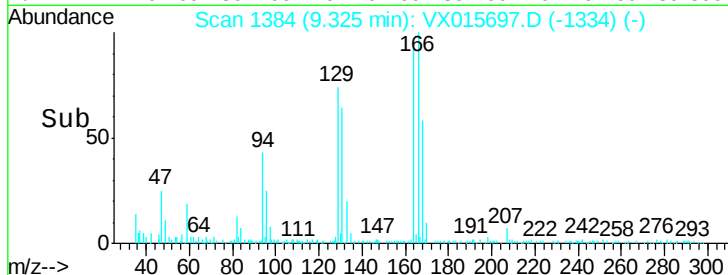
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015697.D

Acq: 15 Apr 2020 20:32

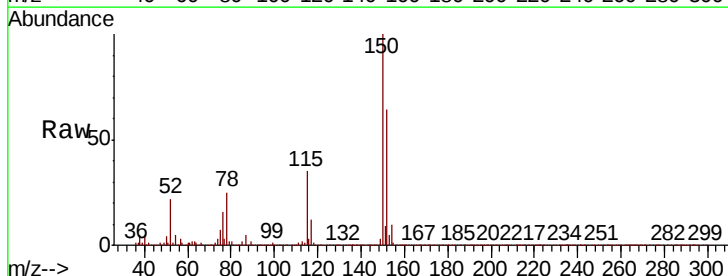
Tgt Ion:152 Resp: 886095

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

150 157.4 0.0 340.8

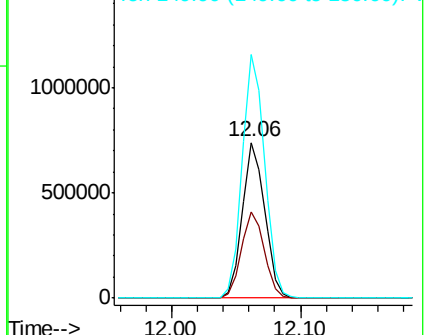
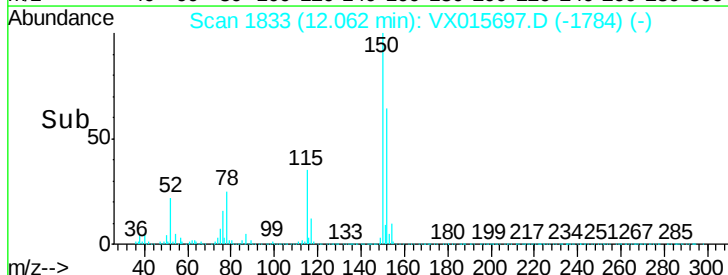


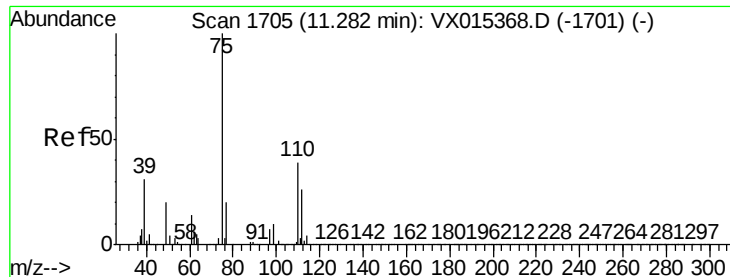
Abundance

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

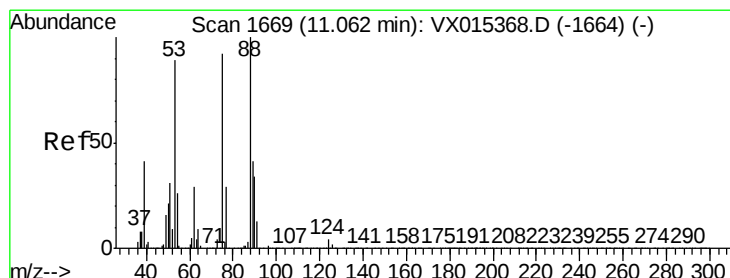
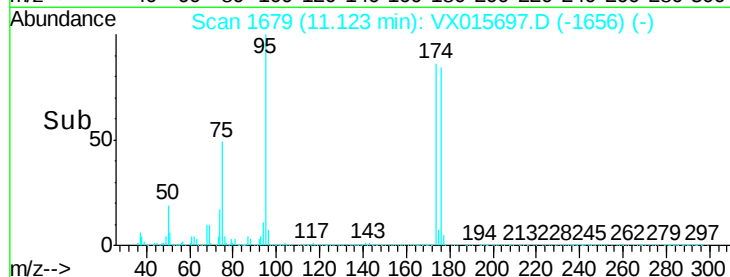
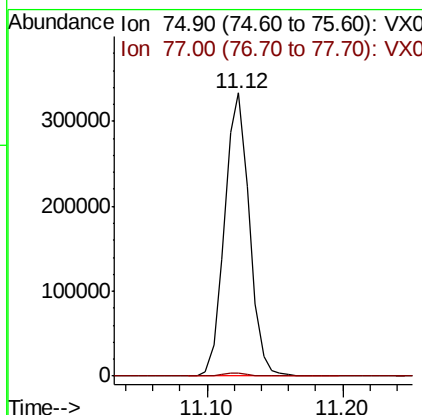
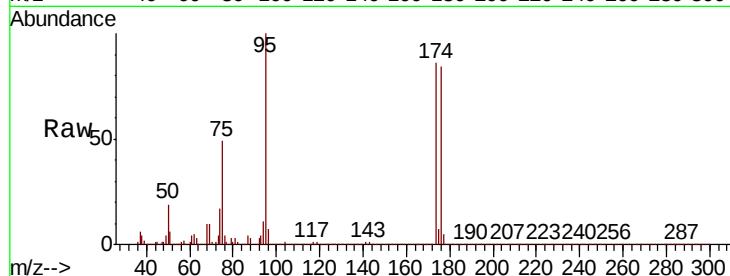




#76
 1,2,3-Trichloropropane
 Concen: 22.992 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015697.D
 Acq: 15 Apr 2020 20:32

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-200408DL

Tot Ion: 75 Resp: 418965
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.169 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015697.D
 Acq: 15 Apr 2020 20:32

Tgt Ion: 75 Resp: 418965
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.1 120.1#
 89 0.0 36.1 54.1#

