

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015707.D
 Acq On : 16 Apr 2020 13:22
 Operator : JC/SP
 Sample : L2233-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY036MW026-200408

Quant Time: Apr 17 06:46:05 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	1038336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1577833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1489222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	762926	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	619375	42.29	ug/l	0.00
Spiked Amount			Recovery	=	84.58%	
35) Dibromofluoromethane	5.47	113	481321	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	8.70	98	1868754	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.12	95	754837	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	

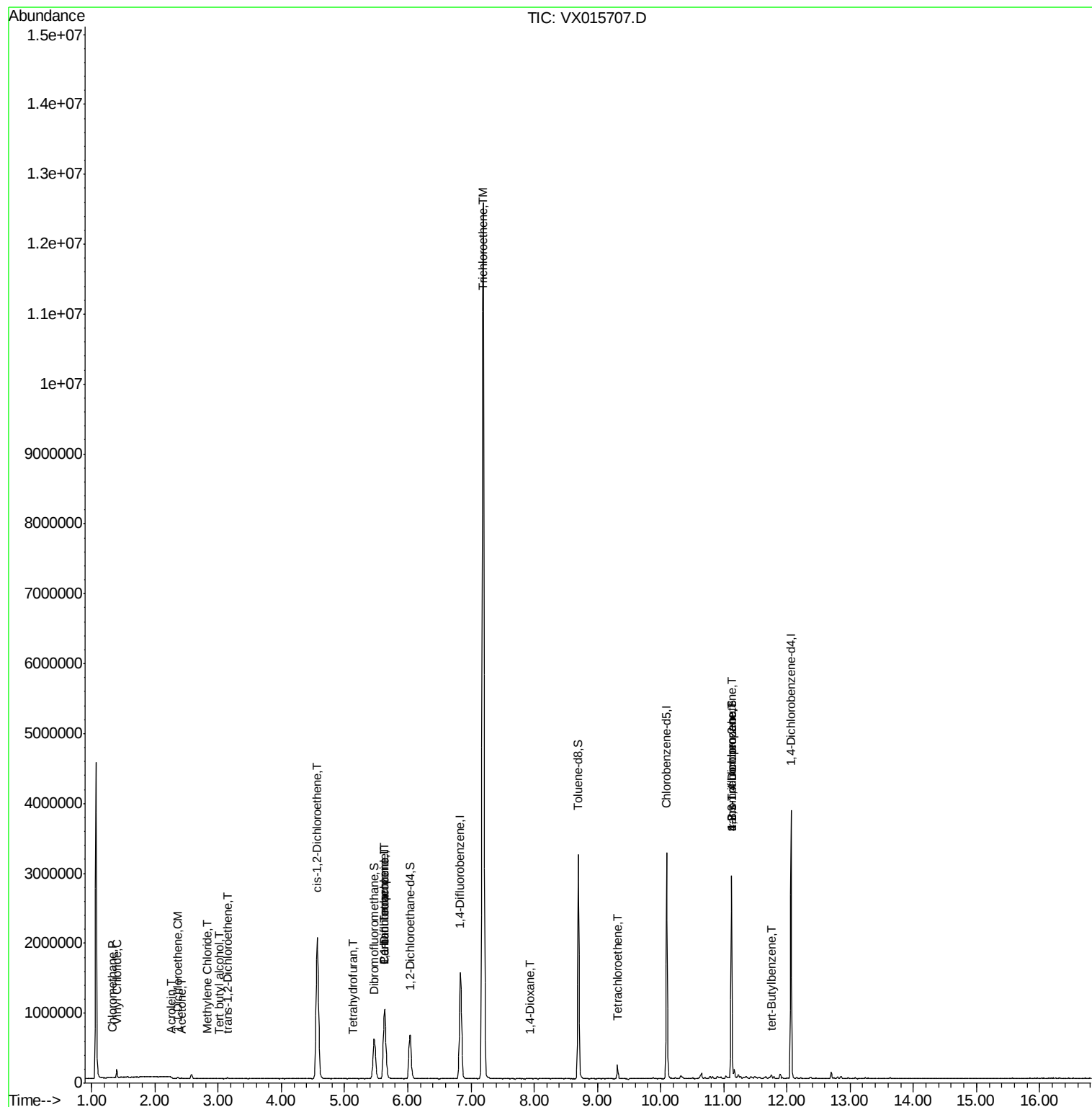
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2352	0.202	ug/l	94
4) Vinyl Chloride	1.39	62	64395	6.020	ug/l	94
5) Bromomethane	1.64	94	751	Below Cal	#	72
11) Tert butyl alcohol	3.01	59	2270	0.648	ug/l #	76
12) 1,1-Dichloroethene	2.36	96	6743	0.688	ug/l #	70
13) Acrolein	2.27	56	908	0.455	ug/l #	14
16) Acetone	2.42	43	13110	2.084	ug/l	98
20) Methylene Chloride	2.84	84	2877	0.245	ug/l #	70
21) trans-1,2-Dichloroethene	3.15	96	5901	0.542	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	1280482	101.731	ug/l	88
29) Tetrahydrofuran	5.13	42	3707	0.570	ug/l #	61
36) 1,1-Dichloropropene	5.63	75	70919	4.878	ug/l #	53
38) Carbon Tetrachloride	5.64	117	94724	6.016	ug/l #	14
44) Trichloroethene	7.19	130	4842937	416.984	ug/l	100
49) 1,4-Dioxane	7.92	88	692	2.324	ug/l	94
64) Tetrachloroethene	9.32	164	40262	3.582	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	385290	24.558	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	385290	58.926	ug/l #	10
83) tert-Butylbenzene	11.76	119	15834	0.380	ug/l	82

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

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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: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

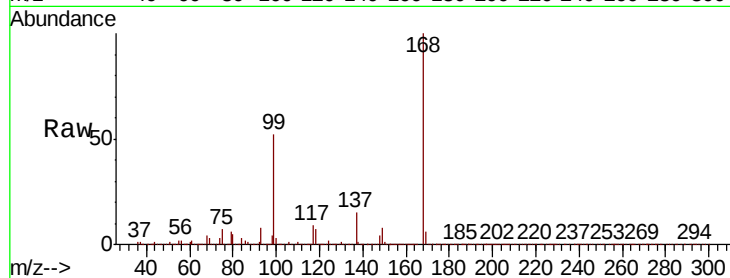
KY036MW026-200408

Tot Ion:168 Resp: 1038336

Ion Ratio Lower Upper

168 100

99 51.6 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

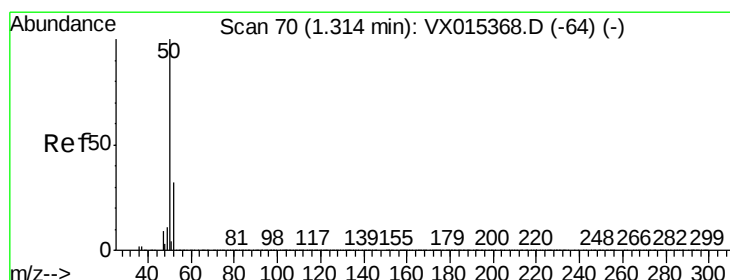
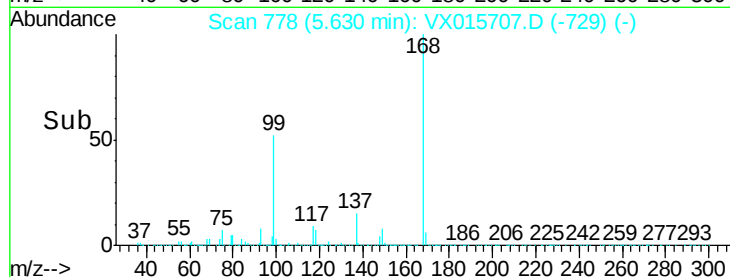
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015707.D

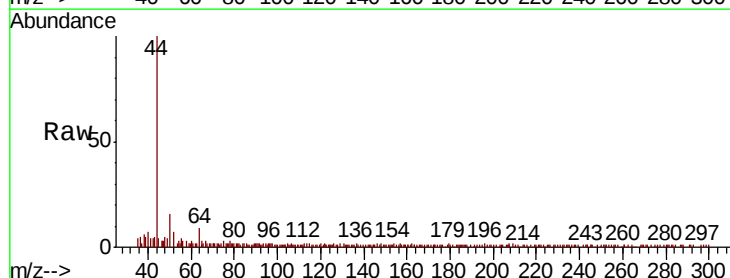
Acq: 16 Apr 2020 13:22

Tgt Ion: 50 Resp: 2352

Ion Ratio Lower Upper

50 100

52 28.5 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

2500

2000

1500

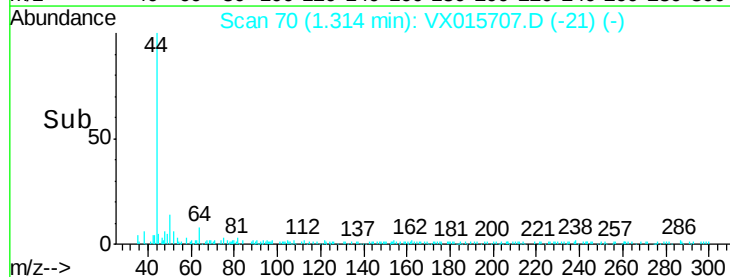
1000

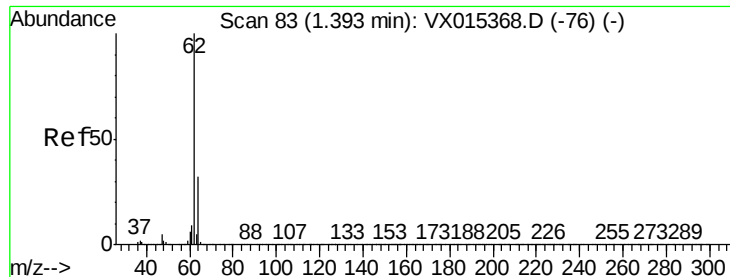
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 6.020 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

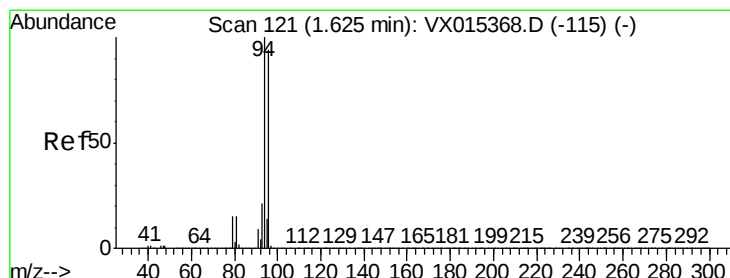
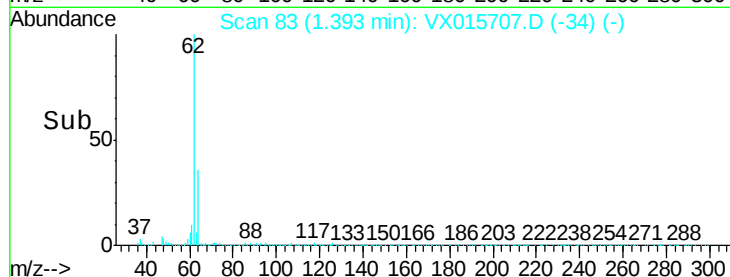
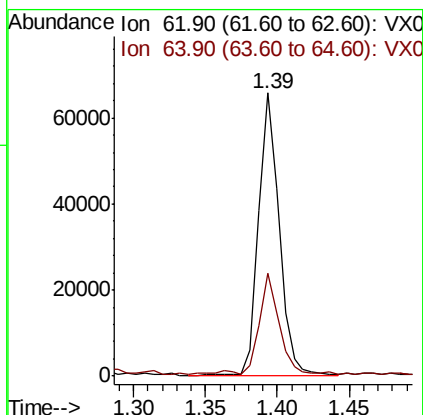
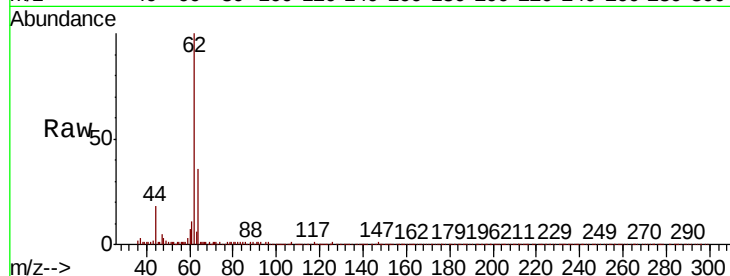
KY036MW026-200408

Tot Ion: 62 Resp: 64395

Ion Ratio Lower Upper

62 100

64 35.6 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015707.D

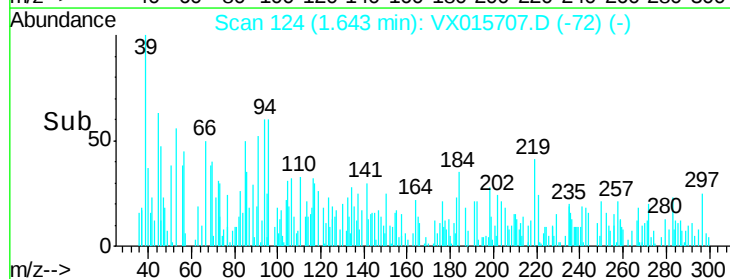
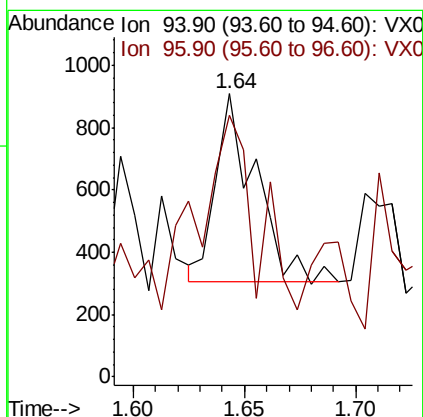
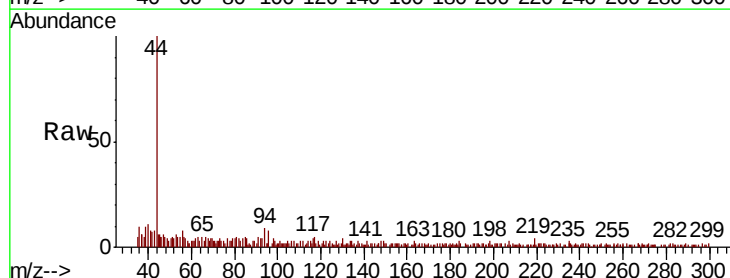
Acq: 16 Apr 2020 13:22

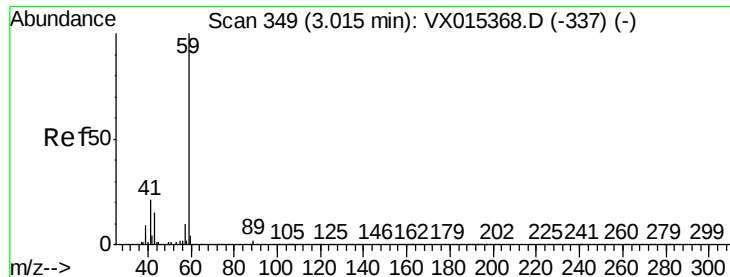
Tgt Ion: 94 Resp: 751

Ion Ratio Lower Upper

94 100

96 67.0 74.8 112.2#

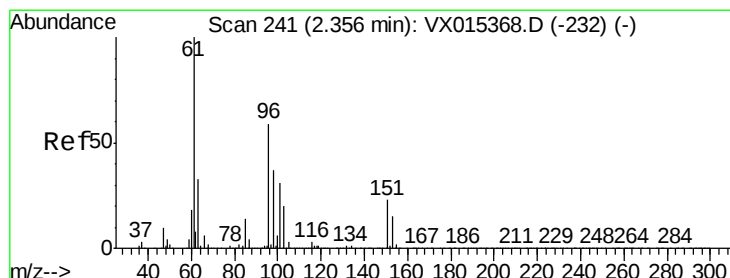
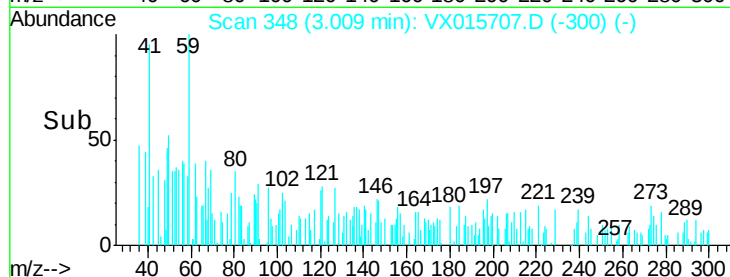
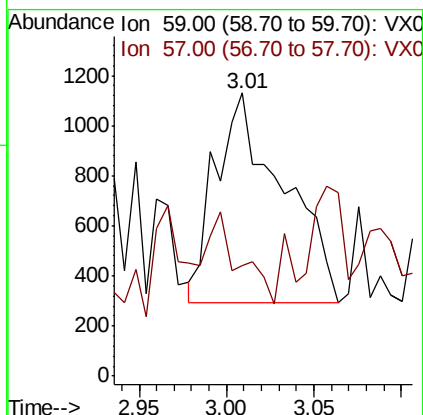
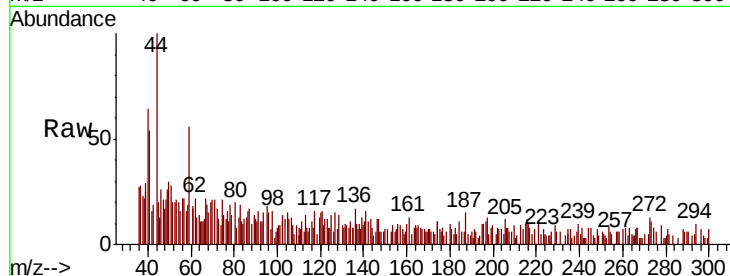




#11
Tert butyl alcohol
Concen: 0.648 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

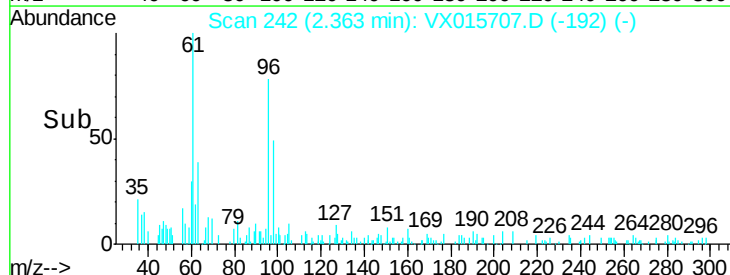
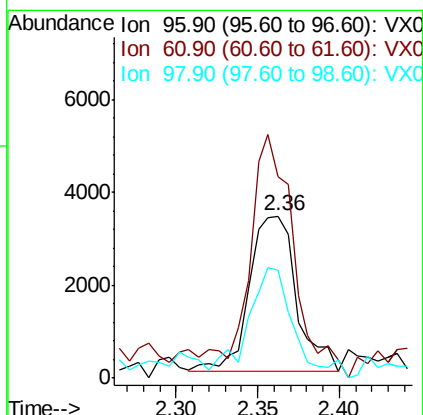
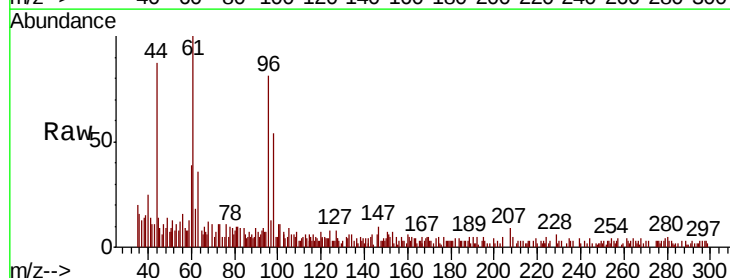
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

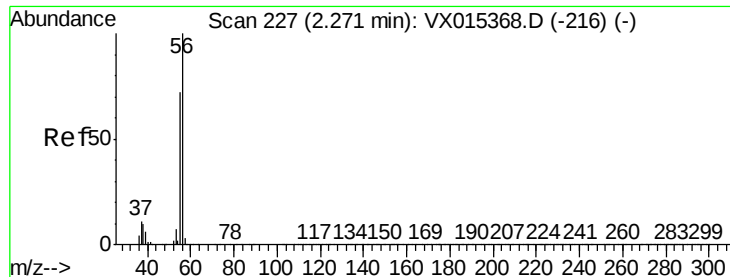
Tot Ion: 59 Resp: 2270
Ion Ratio Lower Upper
59 100
57 19.2 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.688 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion: 96 Resp: 6743
Ion Ratio Lower Upper
96 100
61 117.1 135.7 203.5#
98 57.5 50.6 75.8





#13

Acrolein

Concen: 0.455 ug/l

RT: 2.27 min Scan# 227

Delta R.T. 0.00 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

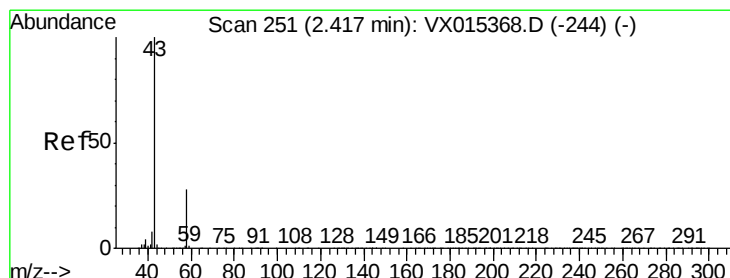
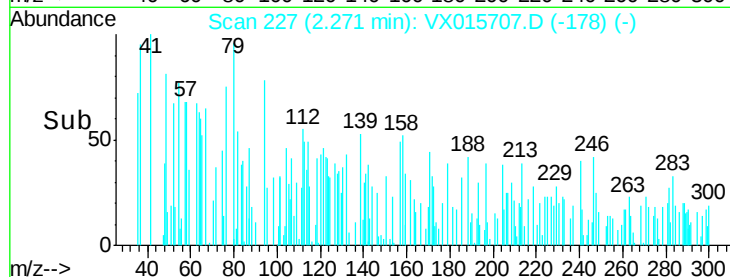
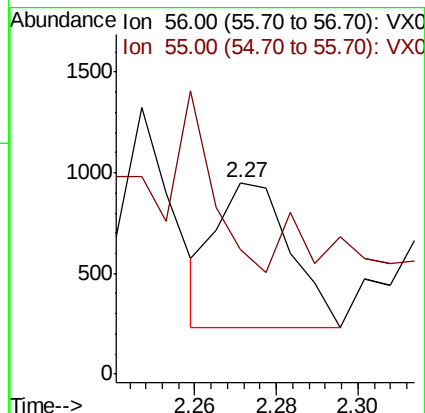
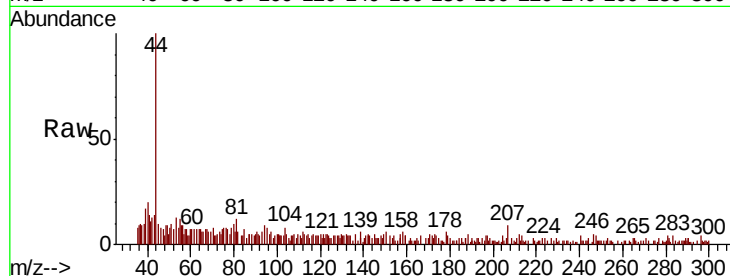
KY036MW026-200408

Tot Ion: 56 Resp: 908

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 2.084 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015707.D

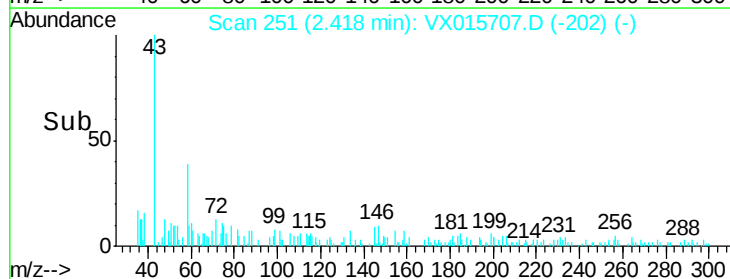
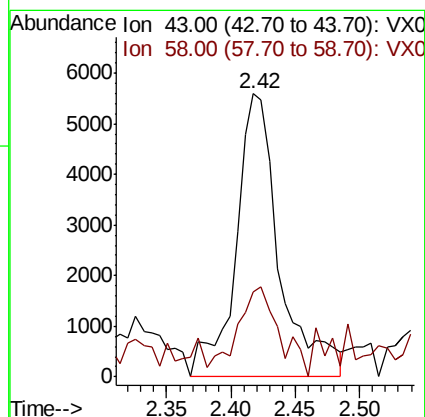
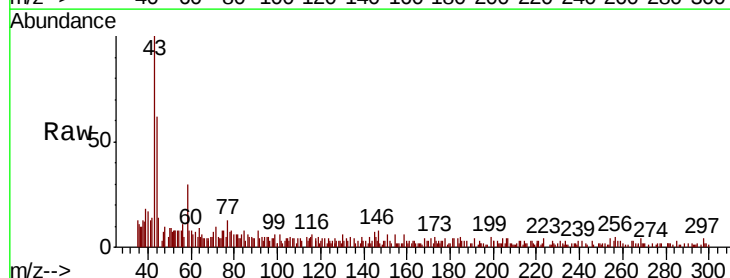
Acq: 16 Apr 2020 13:22

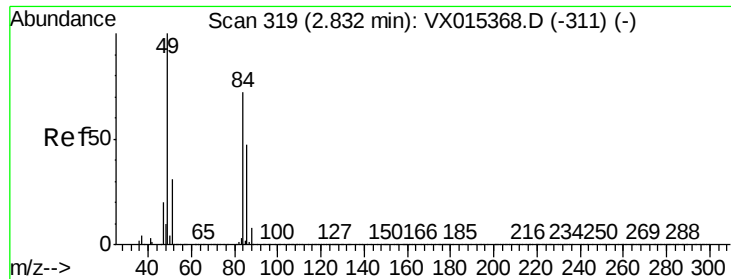
Tgt Ion: 43 Resp: 13110

Ion Ratio Lower Upper

43 100

58 26.4 22.1 33.1

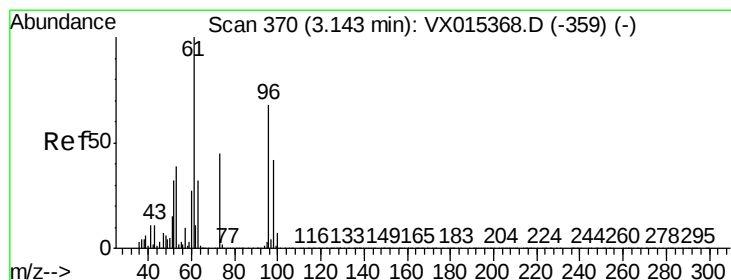
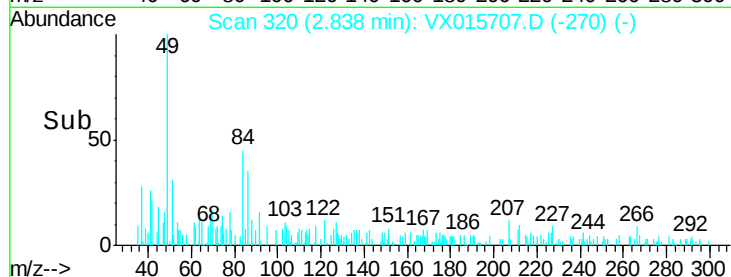
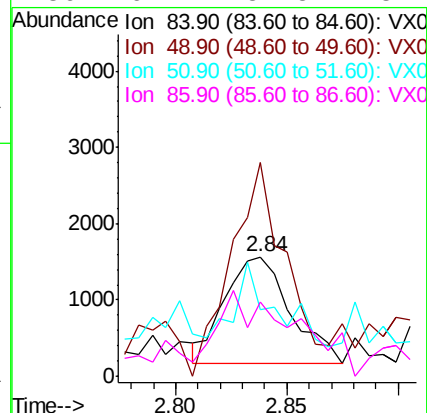
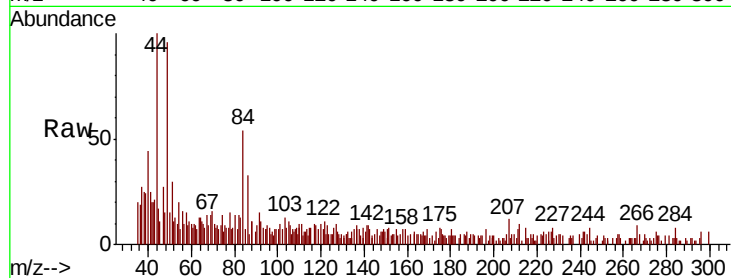




#20
Methvlene Chloride
Concen: 0.245 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

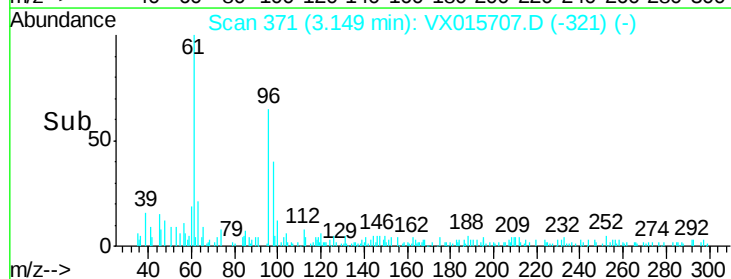
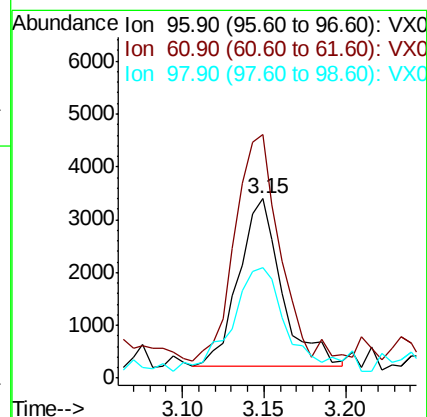
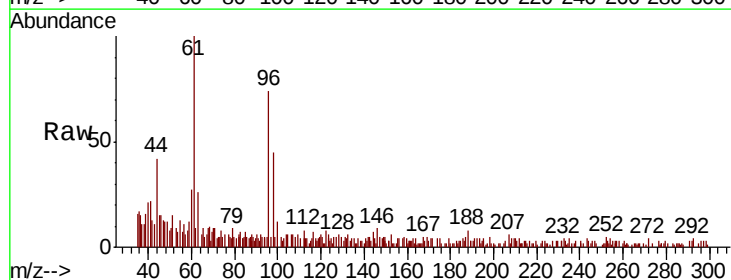
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

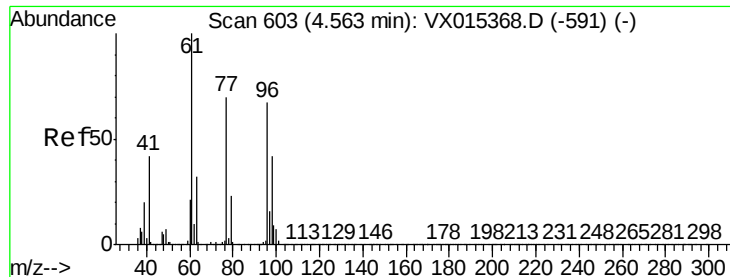
Tot Ion:	84	Resp:	2877
Ion	Ratio	Lower	Upper
84	100		
49	197.8	111.3	166.9#
51	34.3	34.0	51.0
86	64.2	52.5	78.7



#21
trans-1,2-Dichloroethene
Concen: 0.542 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion:	96	Resp:	5901
Ion	Ratio	Lower	Upper
96	100		
61	135.5	116.9	175.3
98	57.7	48.6	73.0



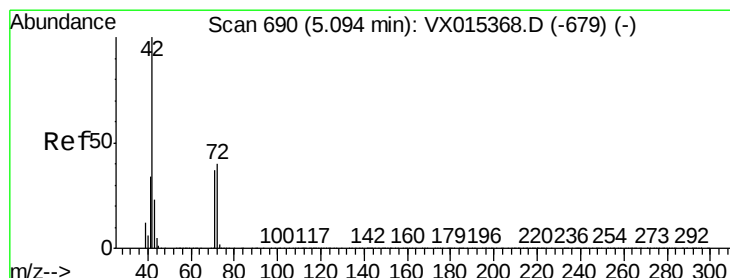
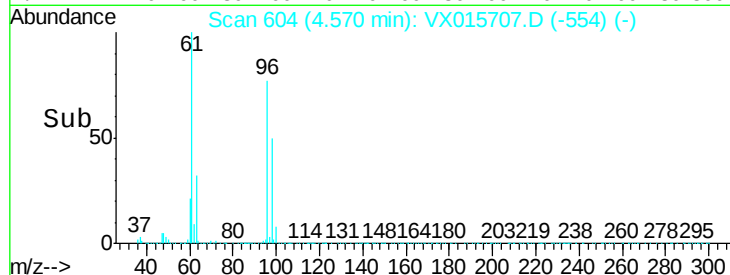
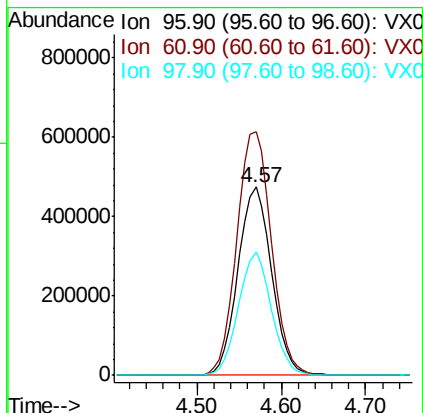
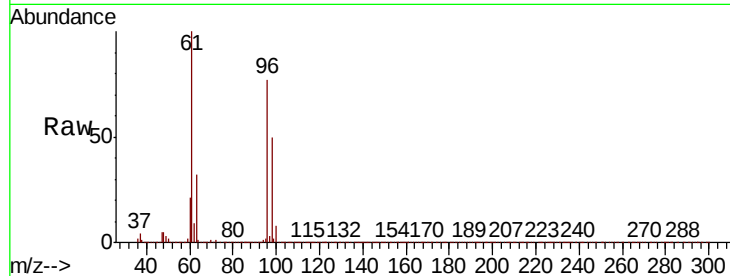


#27

cis-1,2-Dichloroethene
Concen: 101.731 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

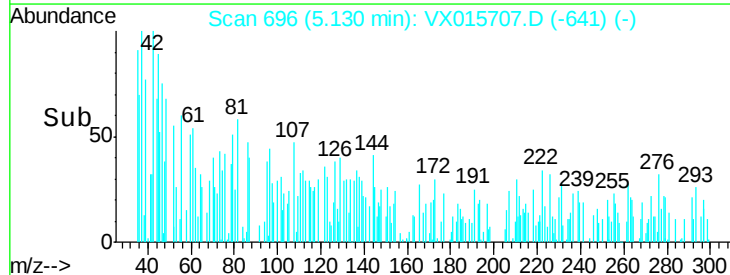
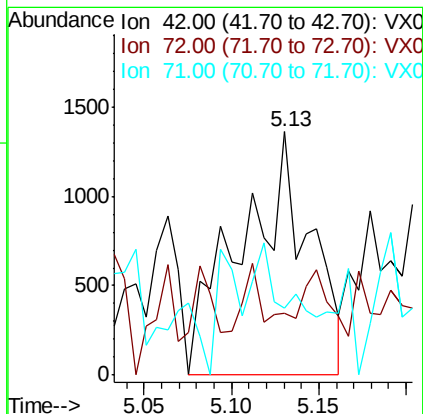
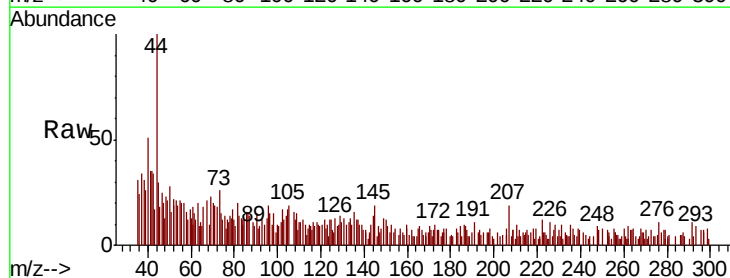
Tot Ion: 96 Resp: 1280482
Ion Ratio Lower Upper
96 100
61 133.3 0.0 308.4
98 64.1 0.0 129.2

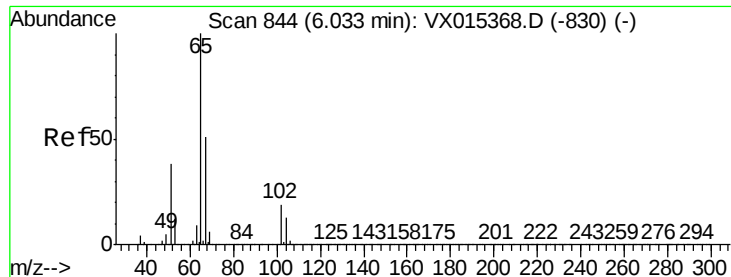


#29

Tetrahydrofuran
Concen: 0.570 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.04 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion: 42 Resp: 3707
Ion Ratio Lower Upper
42 100
72 14.4 31.7 47.5#
71 14.7 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 42.294 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

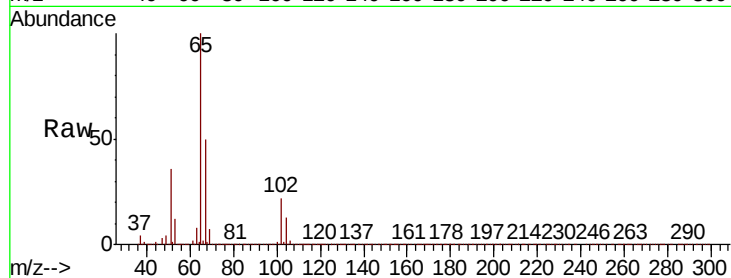
KY036MW026-200408

Tot Ion: 65 Resp: 619375

Ion Ratio Lower Upper

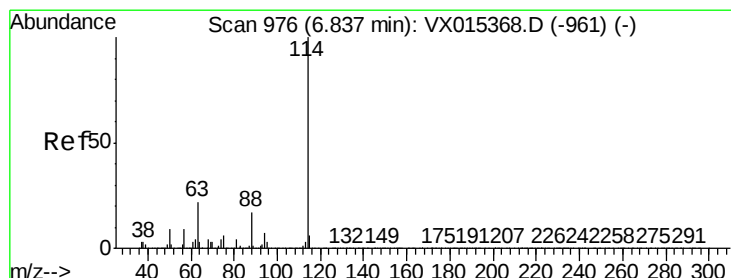
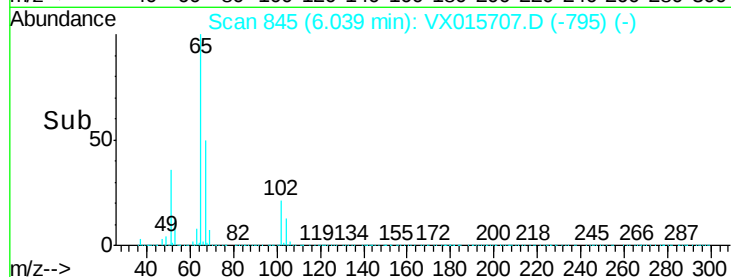
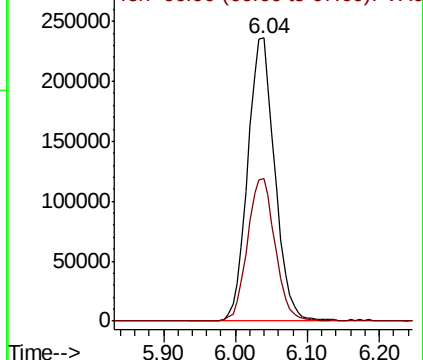
65 100

67 50.8 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: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

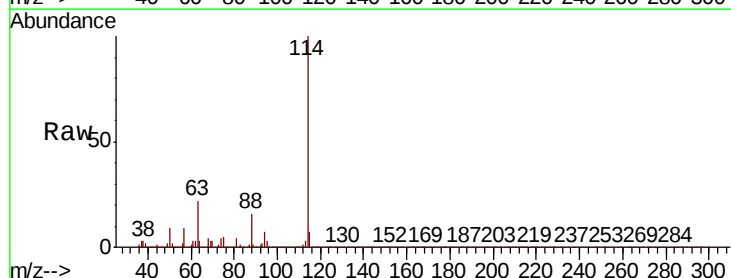
Tgt Ion: 114 Resp: 1577833

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

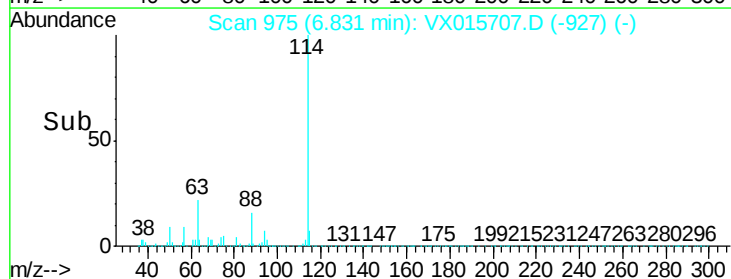
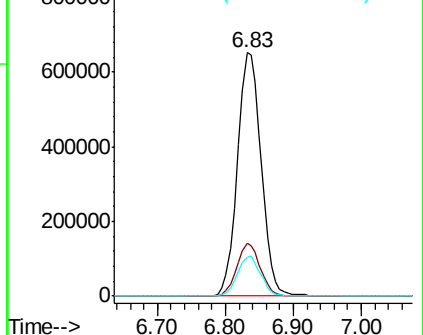
88 15.6 0.0 33.8

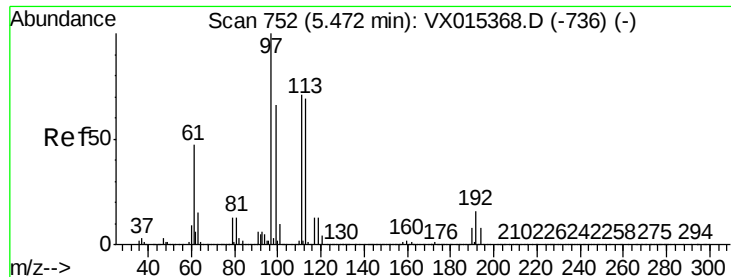


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

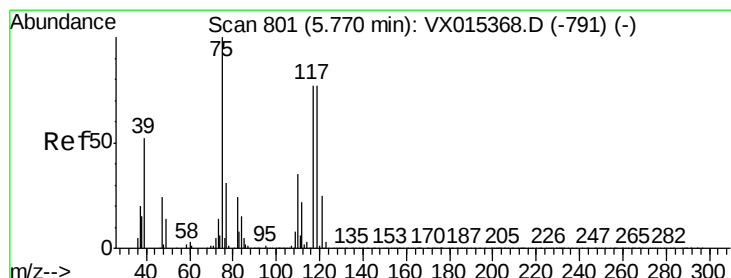
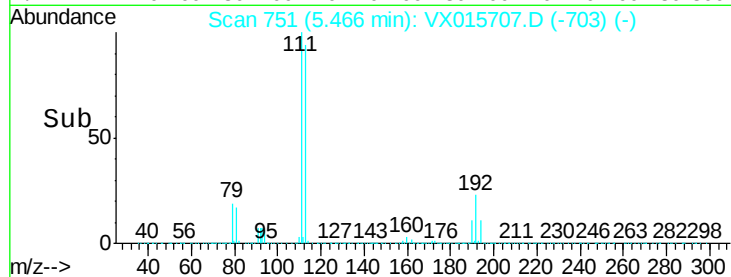
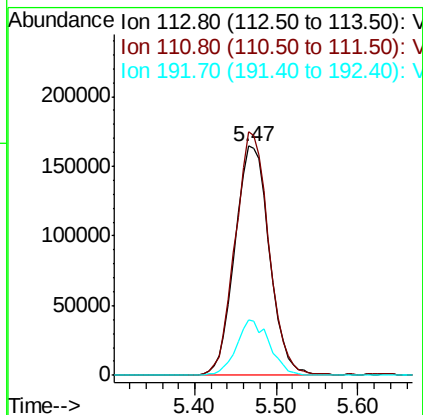
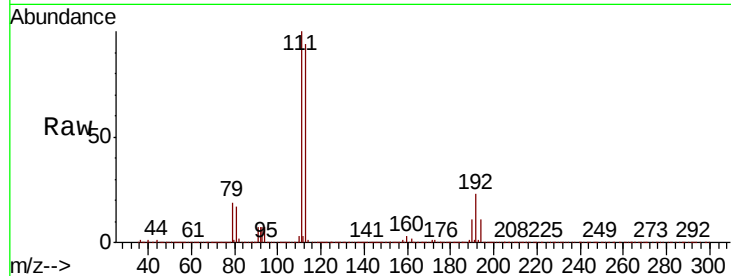




#35
Dibromofluoromethane
Concen: 47.722 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

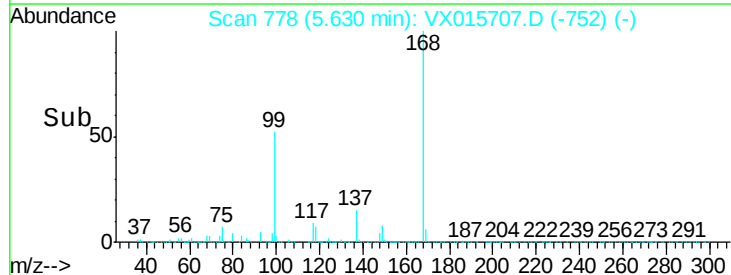
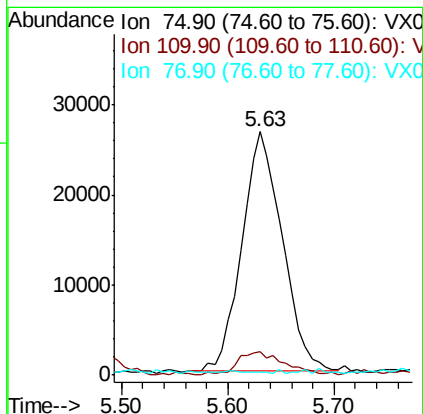
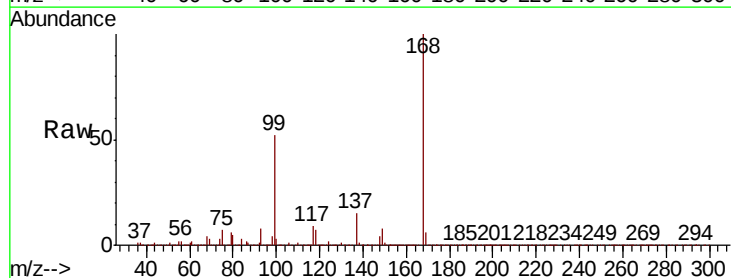
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

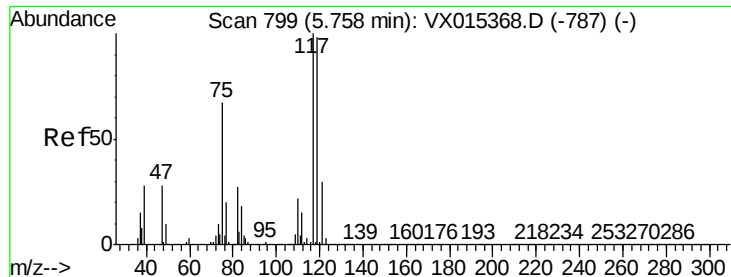
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.0	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.878 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.14 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.1	51.3#
77	0.2	24.6	36.8#

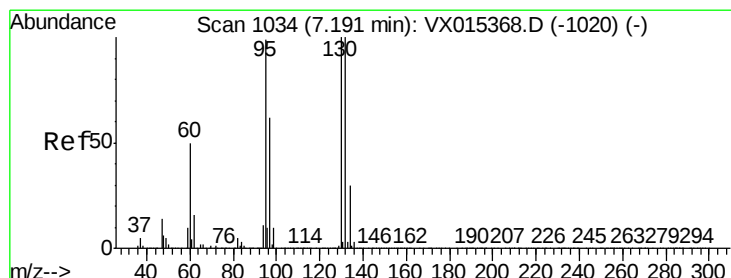
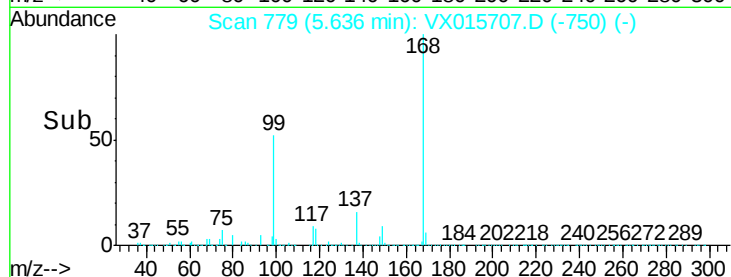
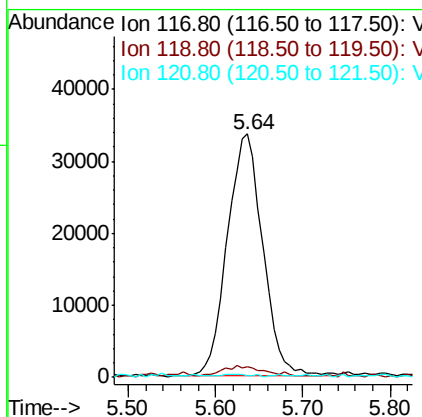
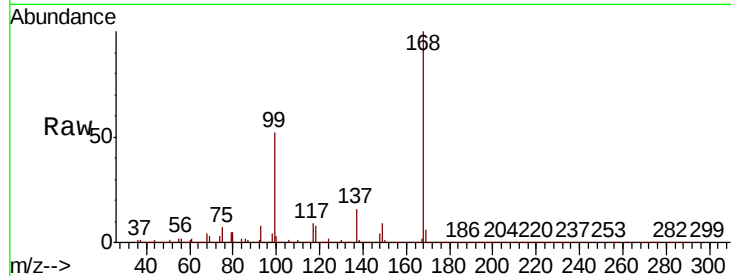




#38
Carbon Tetrachloride
Concen: 6.016 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

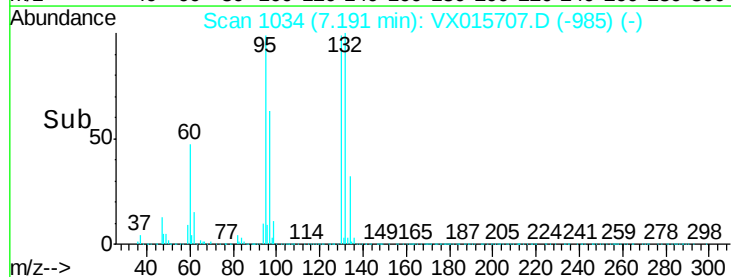
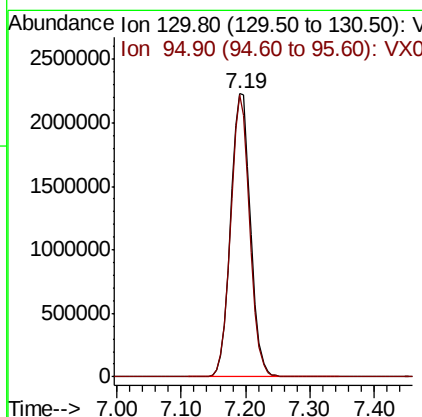
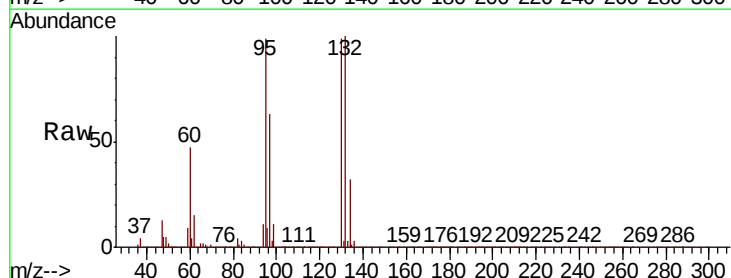
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

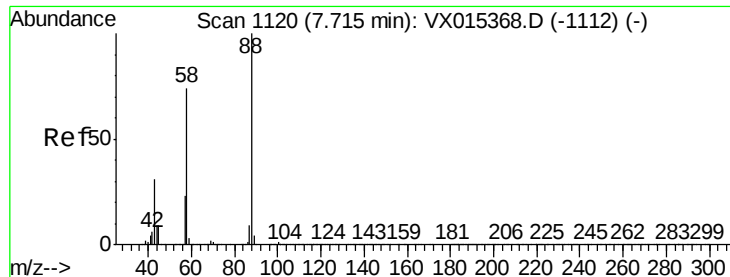
Tot Ion:117 Resp: 94724
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 416.984 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion:130 Resp: 4842937
Ion Ratio Lower Upper
130 100
95 99.7 0.0 199.0





#49

1,4-Dioxane

Concen: 2.324 ug/l

RT: 7.92 min Scan# 1154

Delta R.T. 0.21 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408

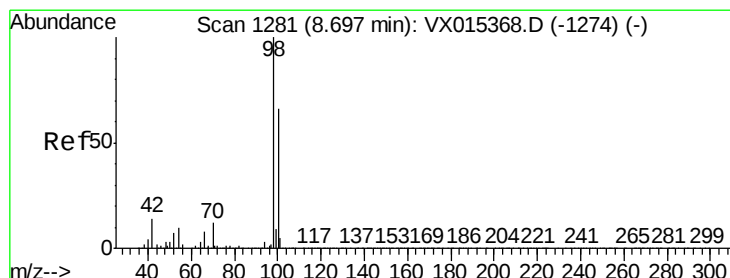
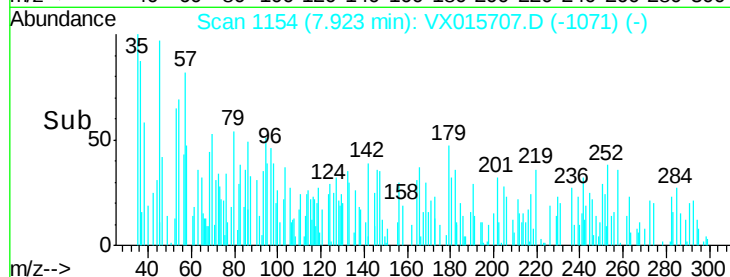
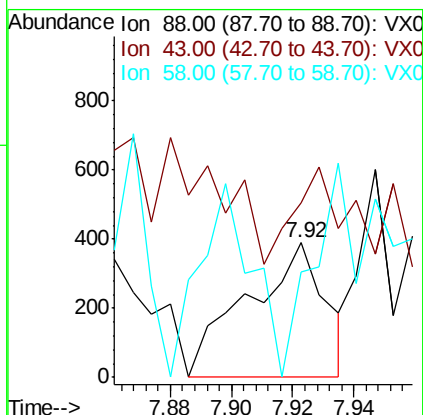
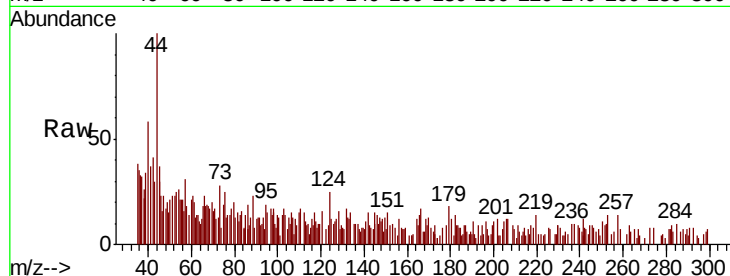
Tot Ion: 88 Resp: 692

Ion Ratio Lower Upper

88 100

43 33.4 30.1 45.1

58 80.3 60.6 90.8



#50

Toluene-d8

Concen: 50.325 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015707.D

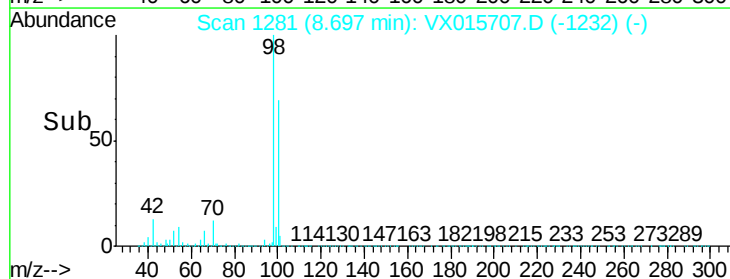
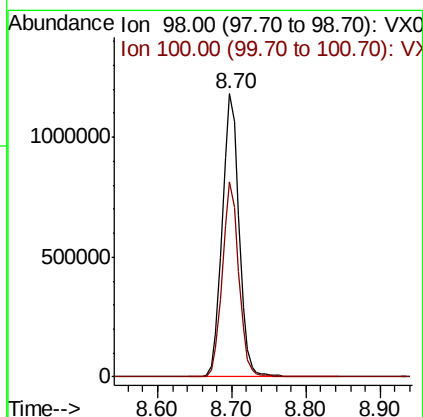
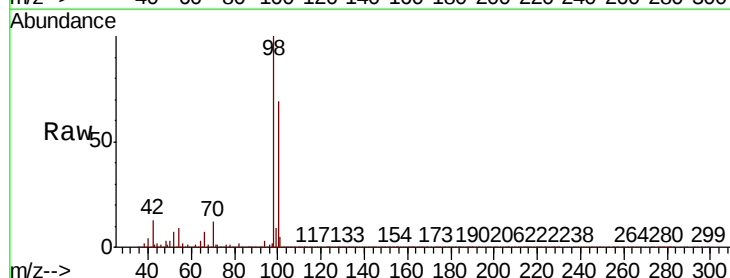
Acq: 16 Apr 2020 13:22

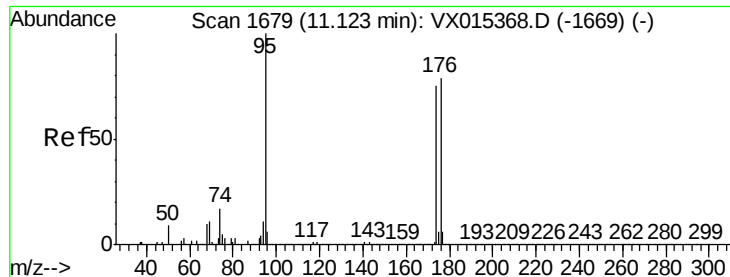
Tgt Ion: 98 Resp: 1868754

Ion Ratio Lower Upper

98 100

100 67.1 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 50.018 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408

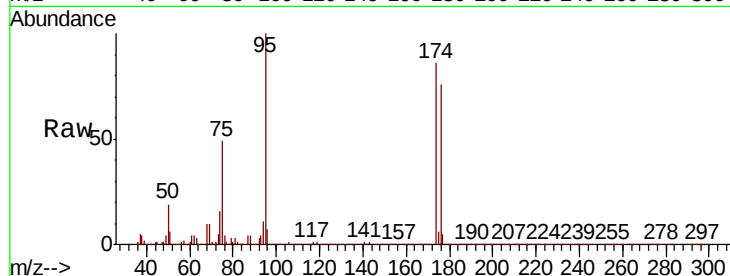
Tot Ion: 95 Resp: 754837

Ion Ratio Lower Upper

95 100

174 86.8 0.0 158.6

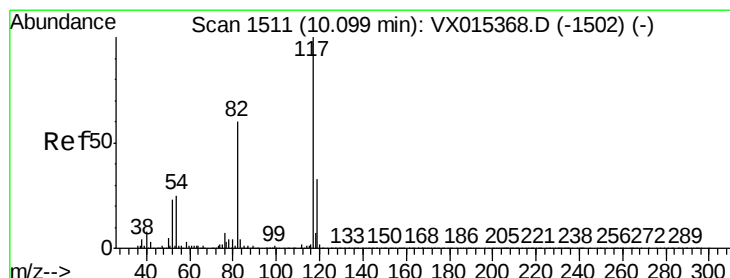
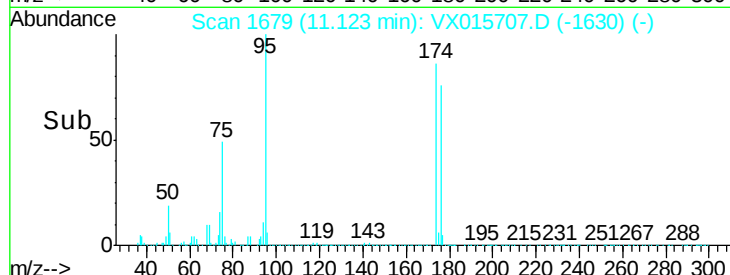
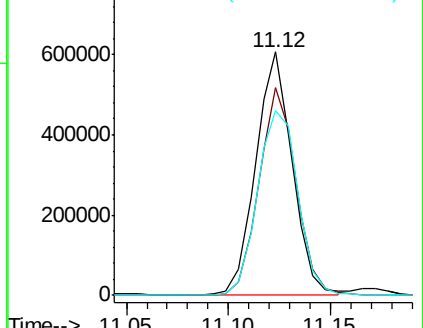
176 84.3 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX015707.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX015707.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX015707.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

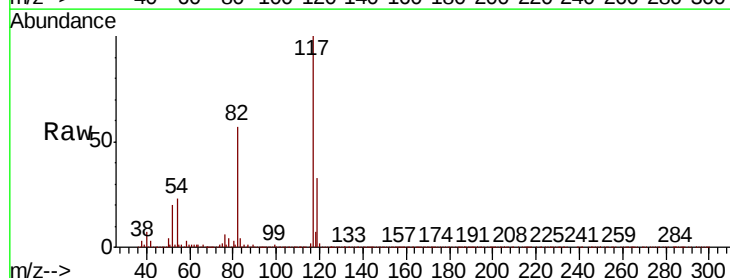
Tgt Ion: 117 Resp: 1489222

Ion Ratio Lower Upper

117 100

82 56.6 47.8 71.8

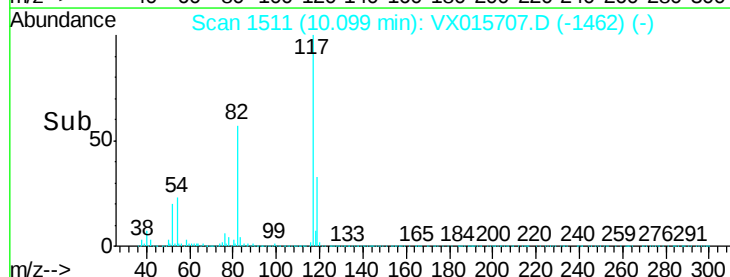
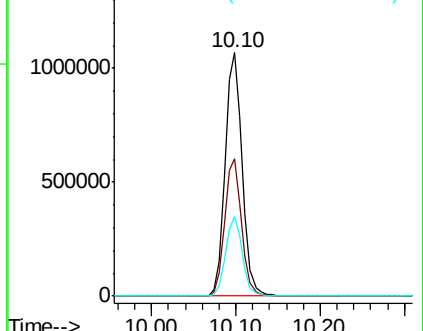
119 32.6 26.8 40.2

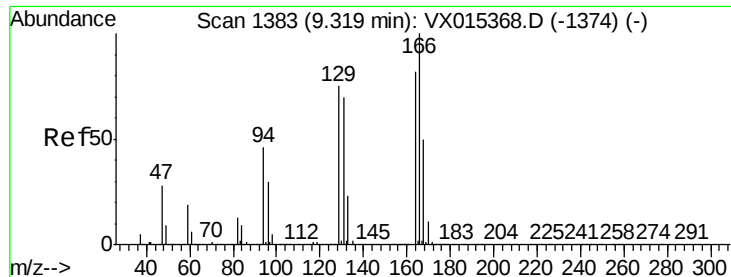


Abundance Ion 116.90 (116.60 to 117.60): VX015707.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015707.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015707.D (-1462) (-)

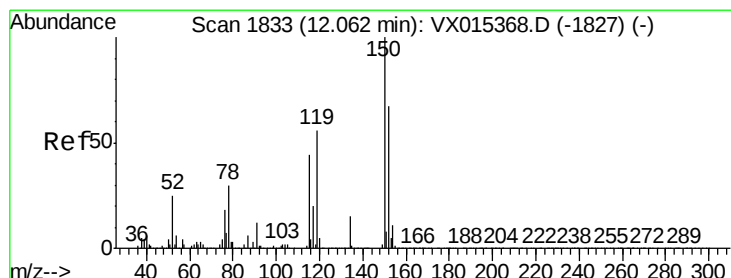
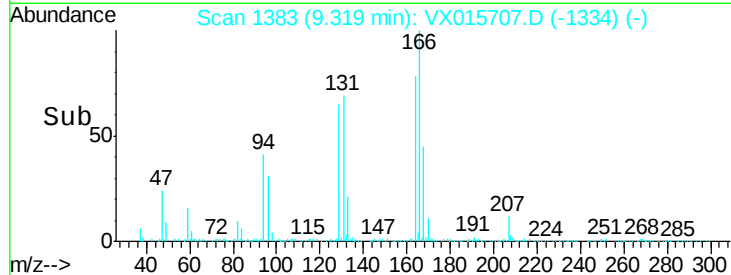
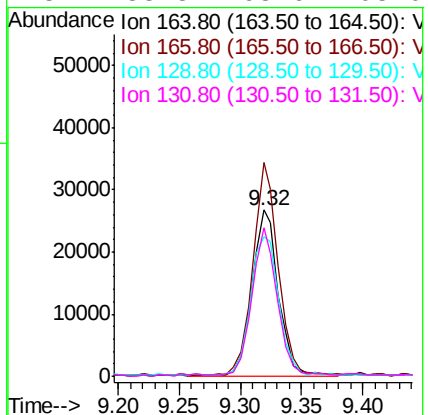
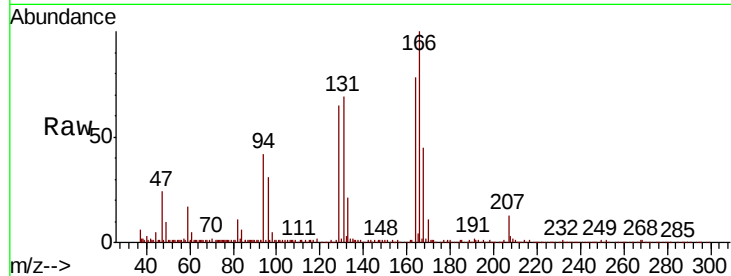




#64
Tetrachloroethene
Concen: 3.582 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

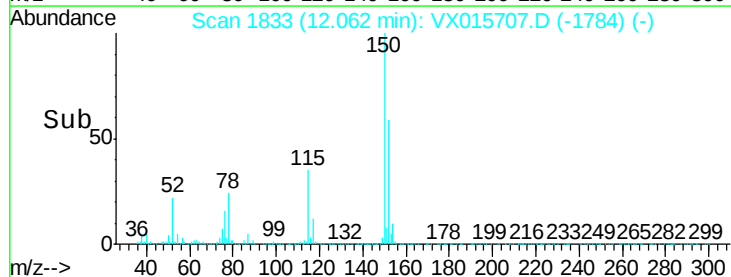
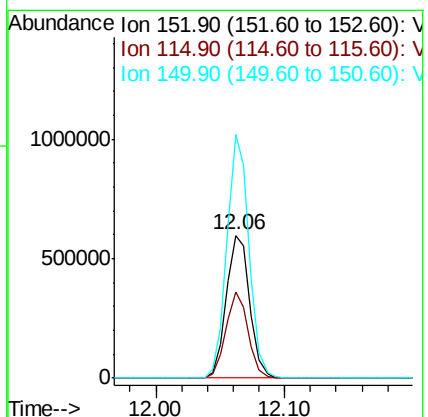
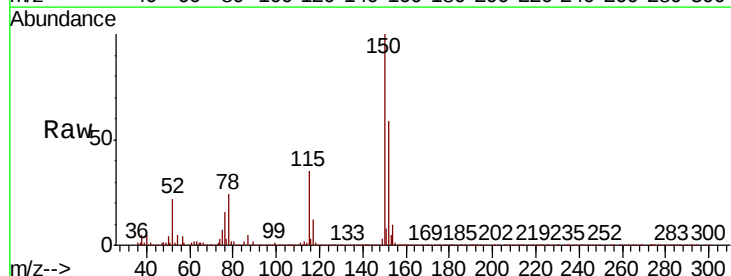
Instrument :
MSVOA_X
ClientSampleId :
KY036MW026-200408

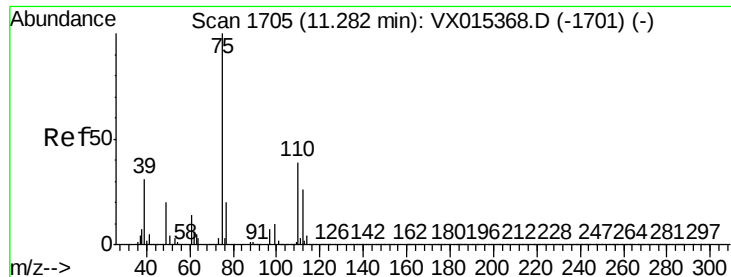
Tot Ion:	164	Resp:	40262
Ion	Ratio	Lower	Upper
164	100		
166	128.1	97.8	146.6
129	83.8	73.0	109.4
131	88.8	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015707.D
Acq: 16 Apr 2020 13:22

Tgt Ion:	152	Resp:	762926
Ion	Ratio	Lower	Upper
152	100		
115	57.4	39.0	116.9
150	161.9	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 24.558 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

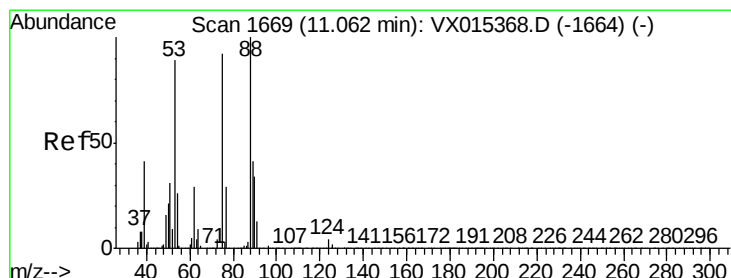
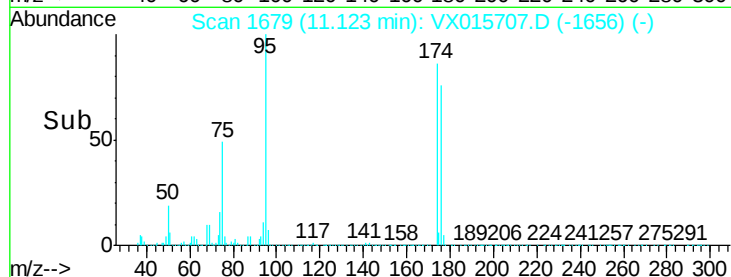
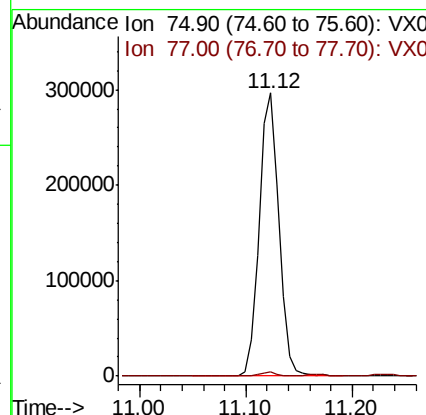
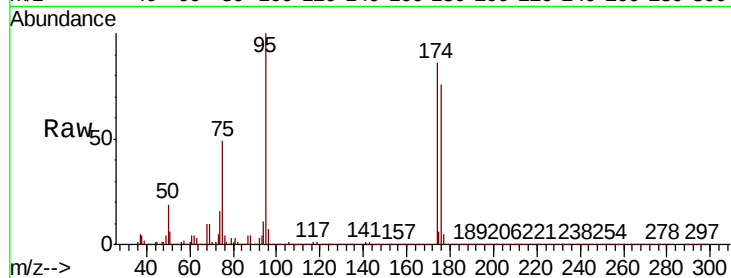
KY036MW026-200408

Tot Ion: 75 Resp: 385290

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.926 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

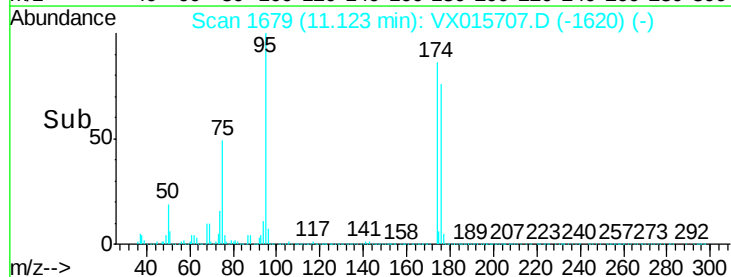
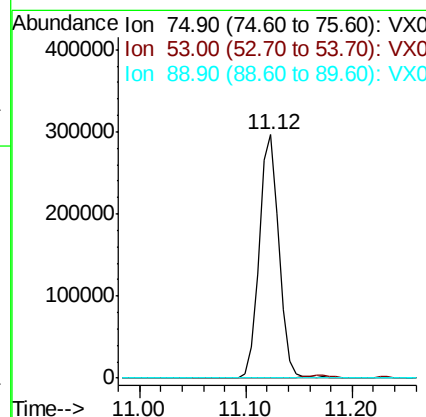
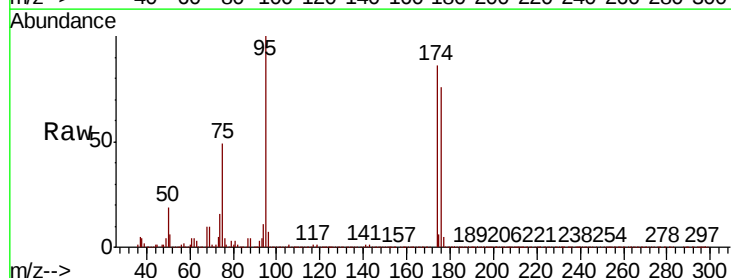
Tgt Ion: 75 Resp: 385290

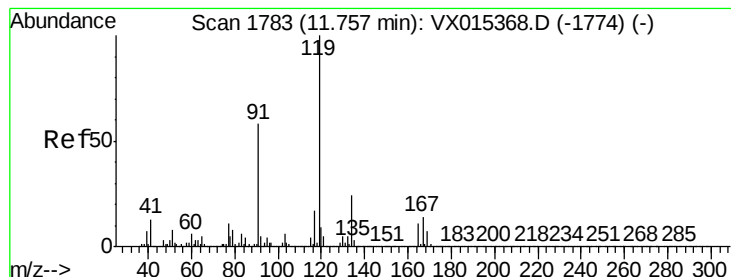
Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#





#83

tert-Butylbenzene

Concen: 0.380 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX015707.D

Acq: 16 Apr 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

KY036MW026-200408

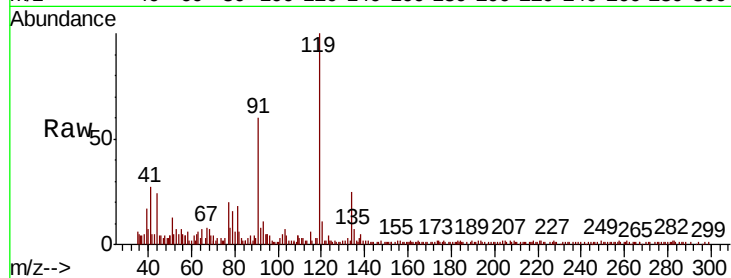
Tot Ion:119 Resp: 15834

Ion Ratio Lower Upper

119 100

91 73.2 28.6 85.8

134 28.6 11.8 35.3



Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

