

Data File : VX015593.D
Acq On : 09 Apr 2020 13:53
Operator : JC/SP
Sample : L2190-06 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-200407

Quant Time: Apr 10 04:46:36 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	1074833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1672601	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1580742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	888229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	703348	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	5.47	113	513922	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	8.70	98	2007843	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.12	95	848392	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

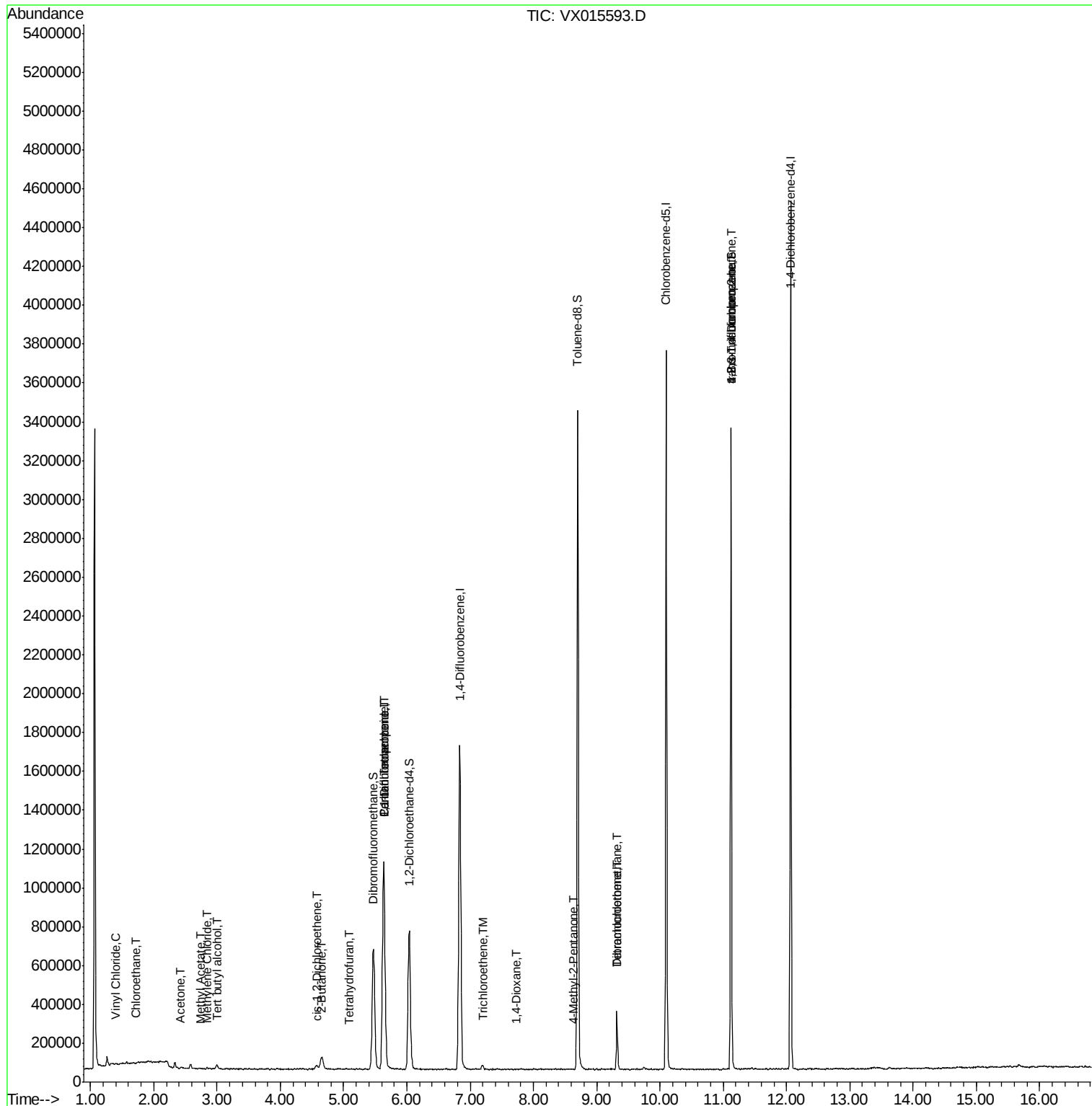
						Qvalue
4) Vinyl Chloride	1.39	62	2502	0.226	ug/l #	42
5) Bromomethane	1.64	94	1026	Below Cal	#	33
6) Chloroethane	1.71	64	1904	0.277	ug/l #	66
11) Tert butyl alcohol	3.00	59	12724	3.507	ug/l #	83
16) Acetone	2.42	43	4545	0.698	ug/l #	66
18) Methyl Acetate	2.74	43	3433	0.207	ug/l #	56
20) Methylene Chloride	2.84	84	3870	0.318	ug/l	96
25) 2-Butanone	4.66	43	3807	0.363	ug/l #	74
27) cis-1,2-Dichloroethene	4.58	96	14102	1.082	ug/l	83
29) Tetrahydrofuran	5.09	42	2009	0.298	ug/l #	69
36) 1,1-Dichloropropene	5.63	75	75467	4.897	ug/l #	52
38) Carbon Tetrachloride	5.64	117	96339	5.772	ug/l #	15
44) Trichloroethene	7.19	130	9584	0.778	ug/l	97
49) 1,4-Dioxane	7.73	88	158	0.501	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	3850	0.201	ug/l #	38
60) Dibromochloromethane	9.32	129	55558	4.055	ug/l #	13
64) Tetrachloroethene	9.32	164	59990	5.029	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	443090	24.258	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	443090	58.206	ug/l #	10

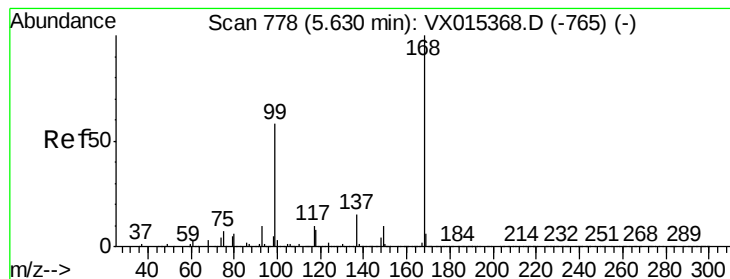
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

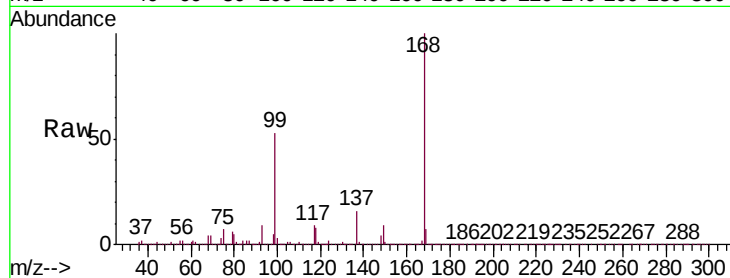
KY062MW139-200407

Tgt Ion:168 Resp: 1074833

Ion Ratio Lower Upper

168 100

99 53.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

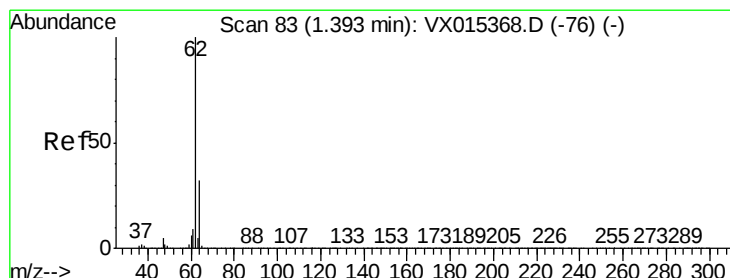
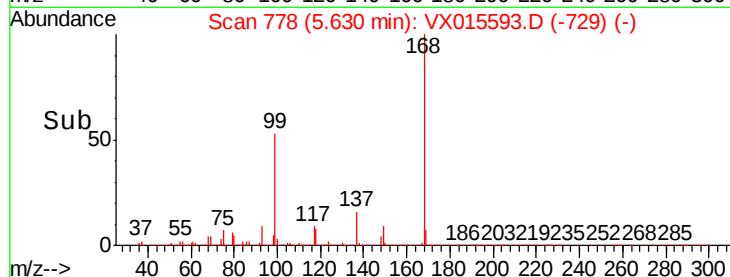
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.226 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015593.D

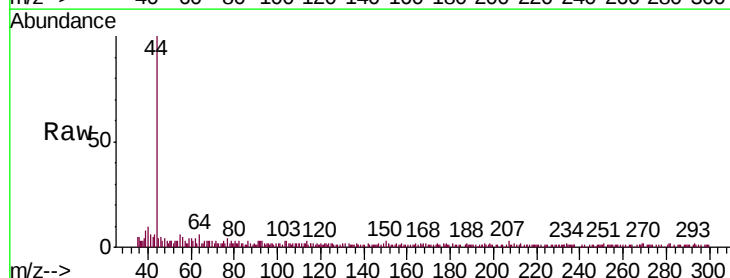
Acq: 09 Apr 2020 13:53

Tgt Ion: 62 Resp: 2502

Ion Ratio Lower Upper

62 100

64 0.0 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2500

2000

1500

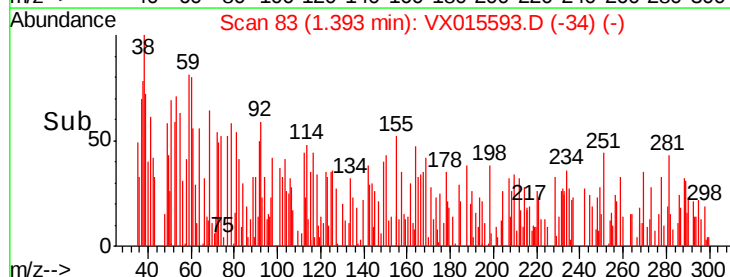
1000

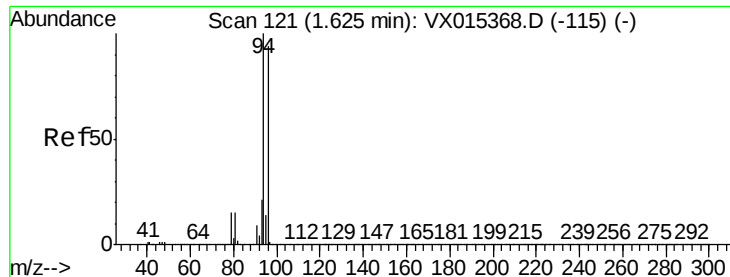
500

0

Time-->

1.35 1.40 1.45





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

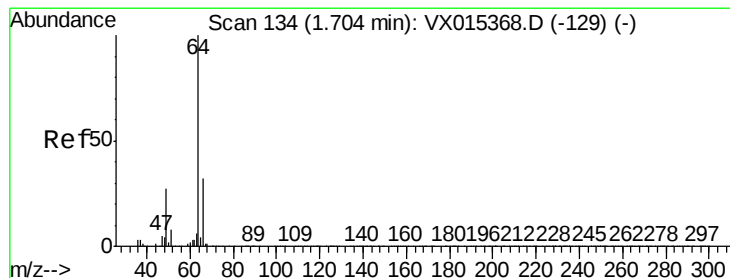
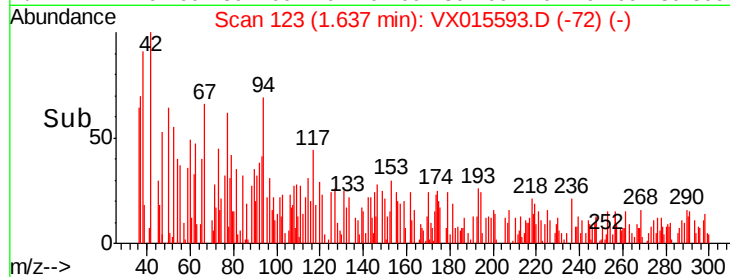
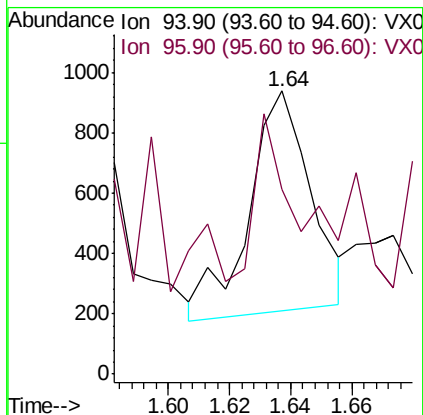
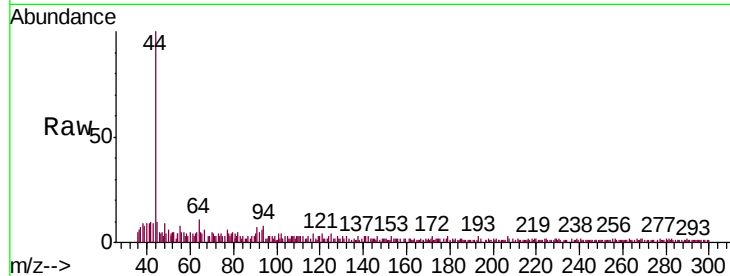
KY062MW139-200407

Tgt Ion: 94 Resp: 1026

Ion Ratio Lower Upper

94 100

96 28.6 74.8 112.2#



#6

Chloroethane

Concen: 0.277 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015593.D

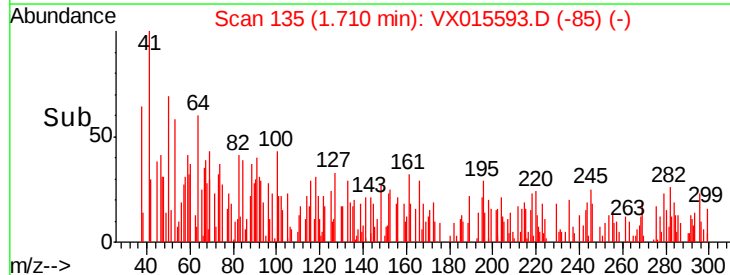
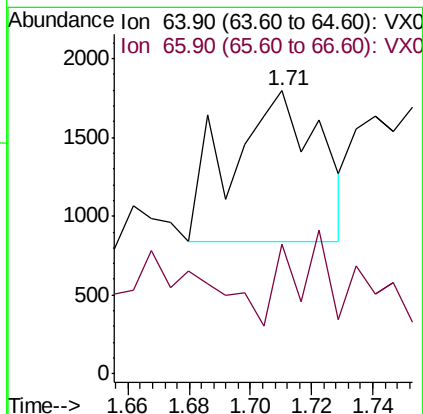
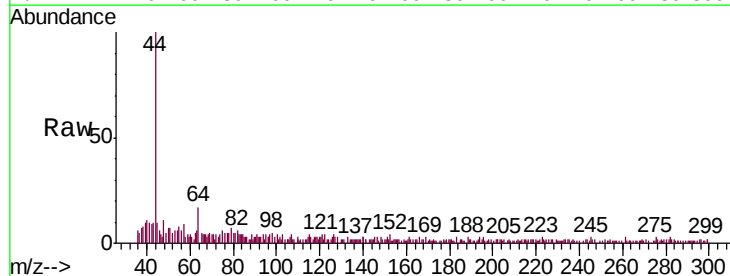
Acq: 09 Apr 2020 13:53

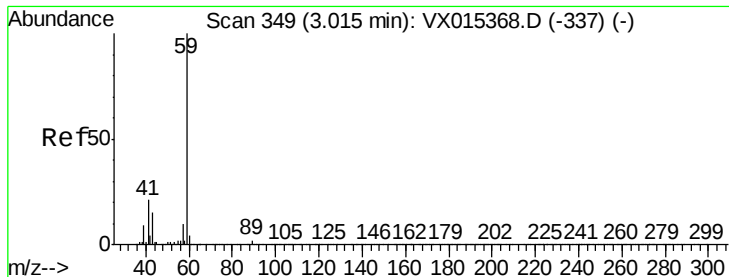
Tgt Ion: 64 Resp: 1904

Ion Ratio Lower Upper

64 100

66 50.5 25.4 38.2#

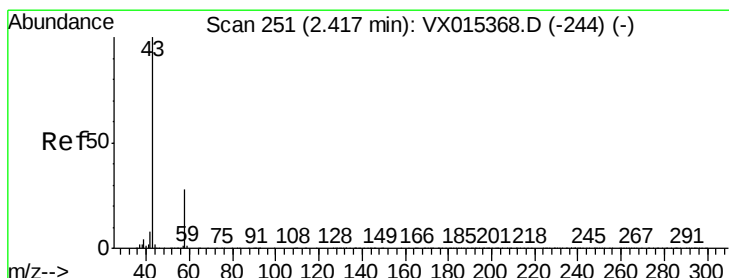
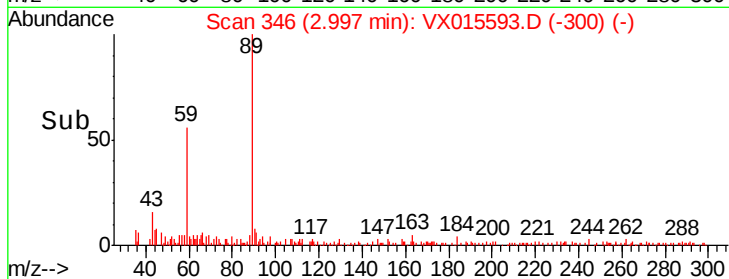
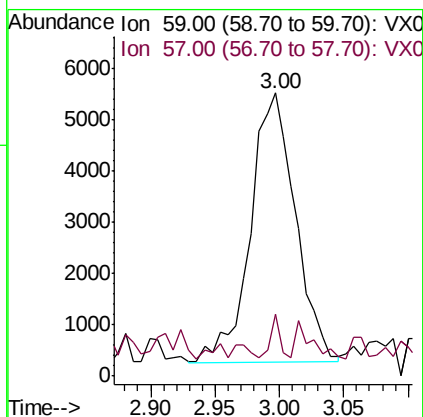
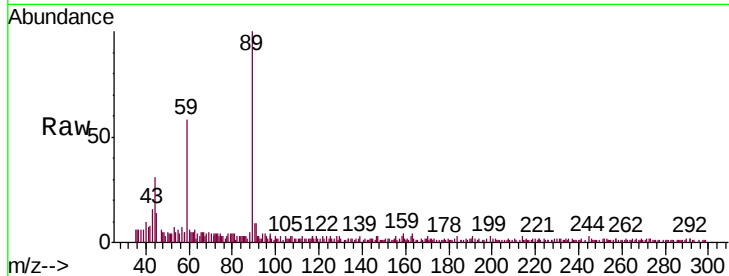




#11
Tert butyl alcohol
Concen: 3.507 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

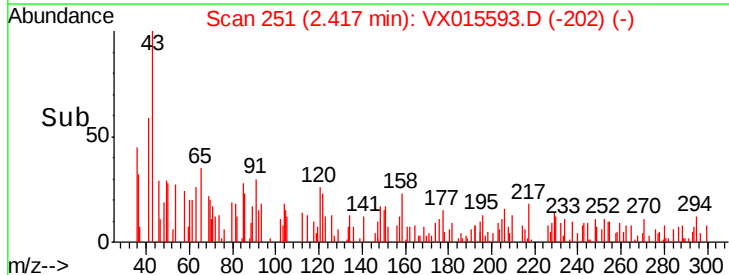
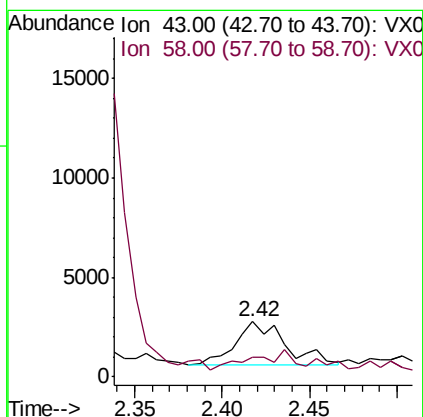
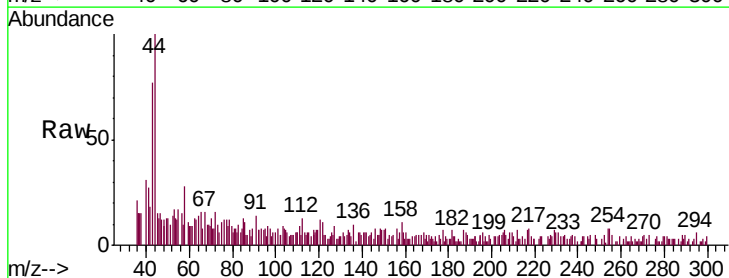
Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-200407

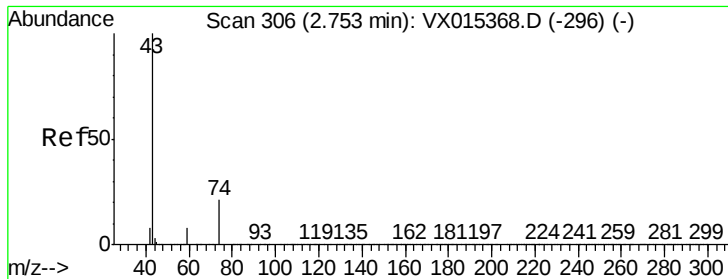
Tgt Ion: 59 Resp: 12724
Ion Ratio Lower Upper
59 100
57 3.8 8.1 12.1#



#16
Acetone
Concen: 0.698 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

Tgt Ion: 43 Resp: 4545
Ion Ratio Lower Upper
43 100
58 9.6 22.1 33.1#

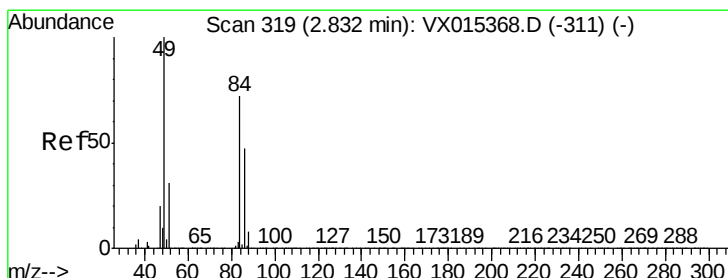
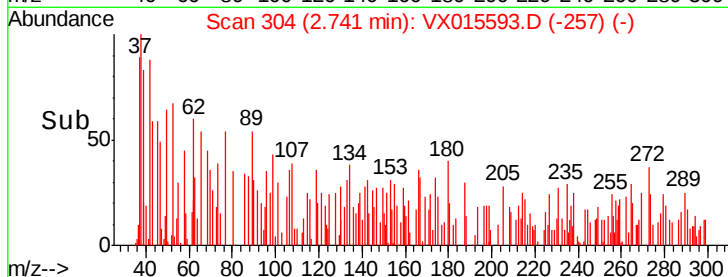
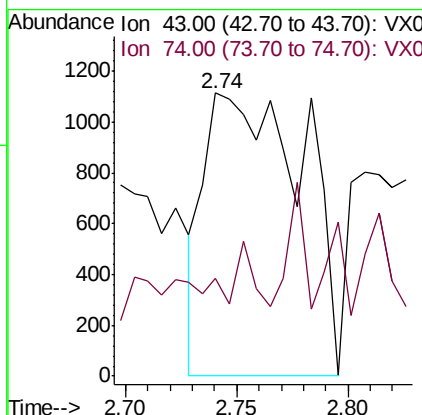
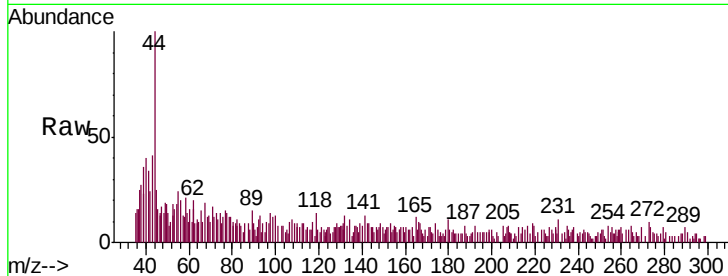




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.74 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

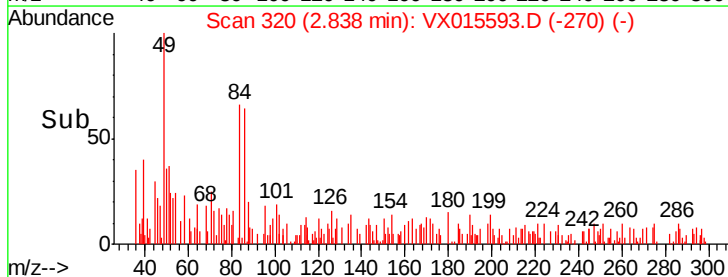
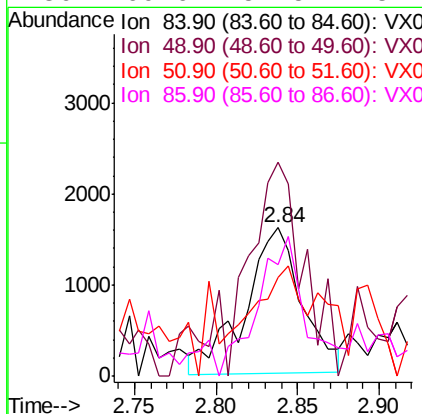
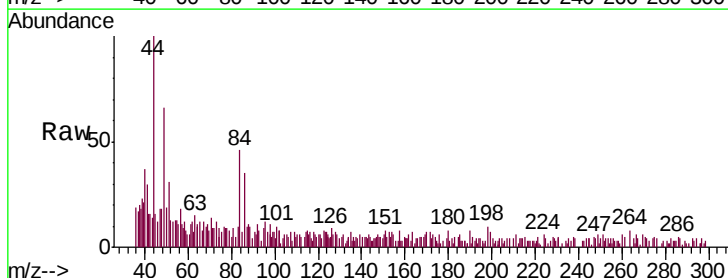
Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-200407

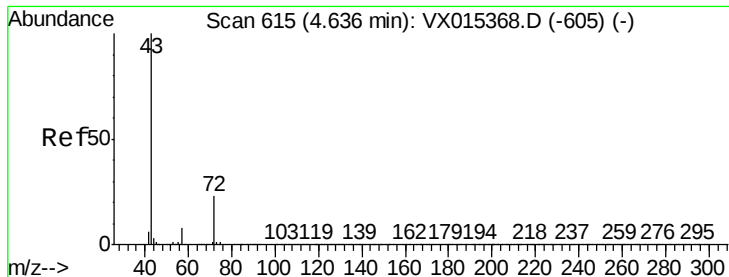
Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#



#20
Methylene Chloride
Concen: 0.318 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

Tgt Ion: 84 Resp: 3870
Ion Ratio Lower Upper
84 100
49 137.1 111.3 166.9
51 35.2 34.0 51.0
86 69.6 52.5 78.7





#25

2-Butanone

Concen: 0.363 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

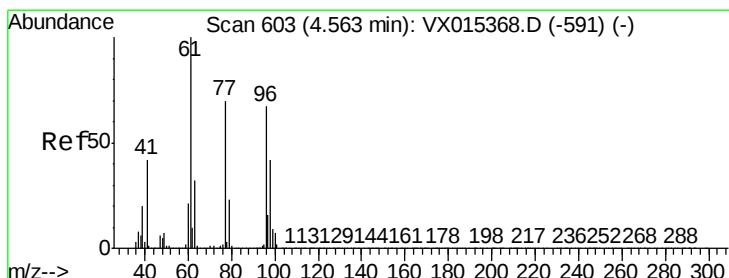
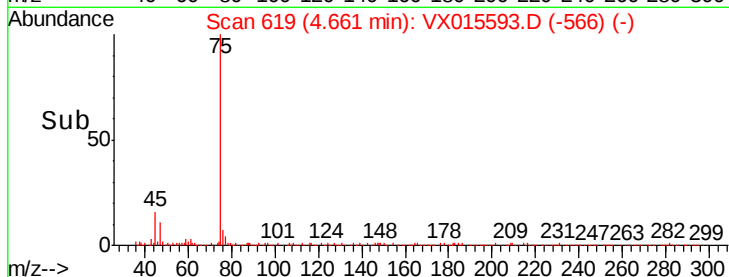
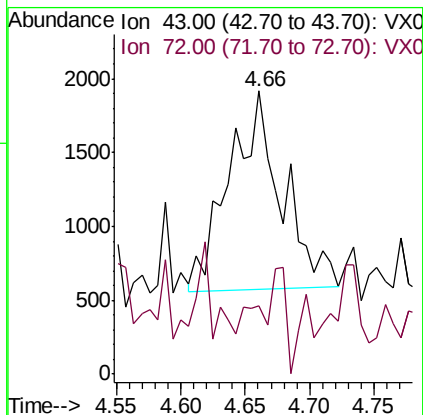
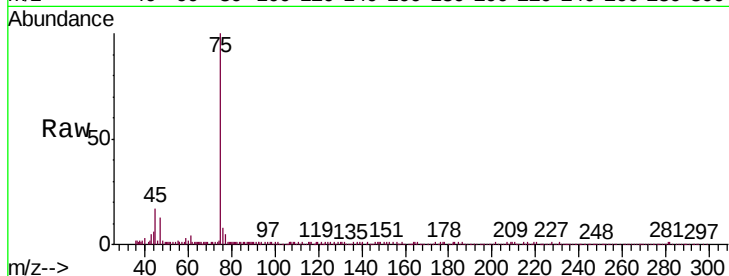
KY062MW139-200407

Tgt Ion: 43 Resp: 3807

Ion Ratio Lower Upper

43 100

72 10.9 19.0 28.4#



#27

cis-1,2-Dichloroethene

Concen: 1.082 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.02 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

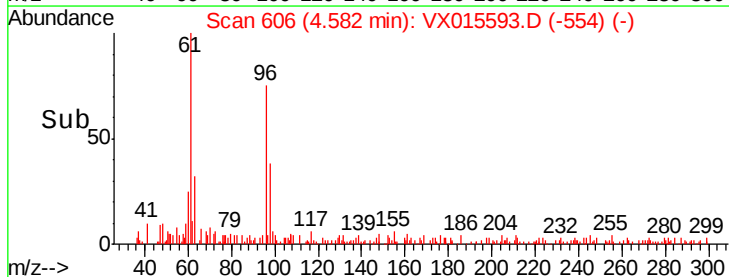
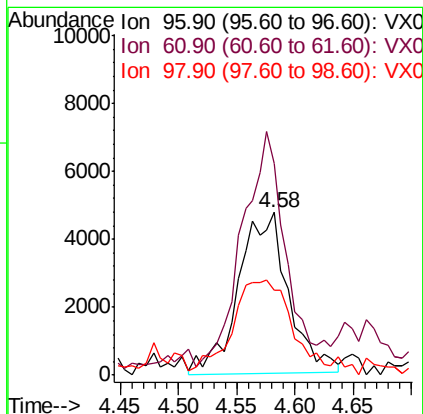
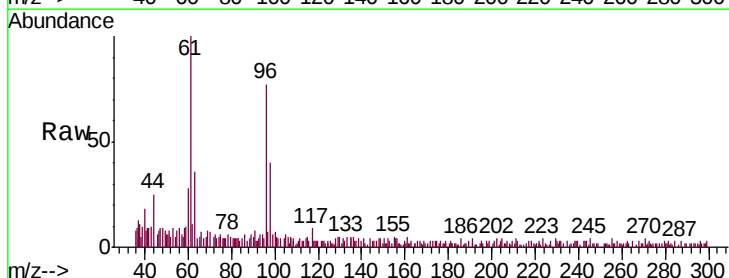
Tgt Ion: 96 Resp: 14102

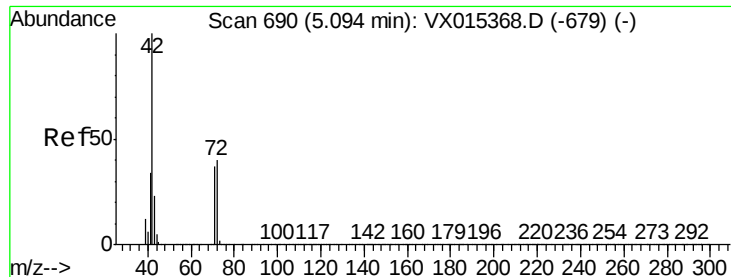
Ion Ratio Lower Upper

96 100

61 124.5 0.0 308.4

98 66.0 0.0 129.2





#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 5.09 min Scan# 690

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-200407

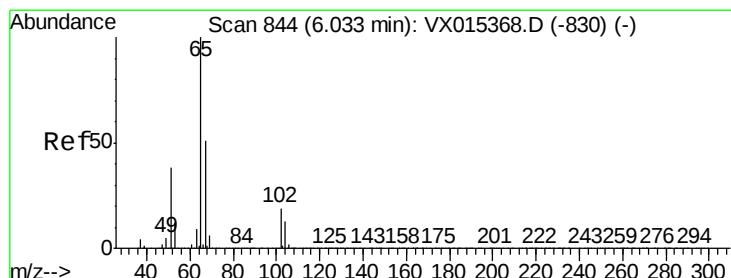
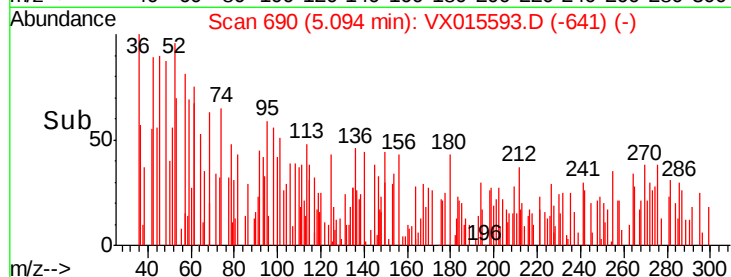
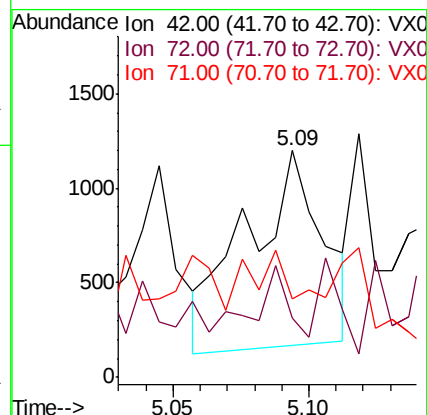
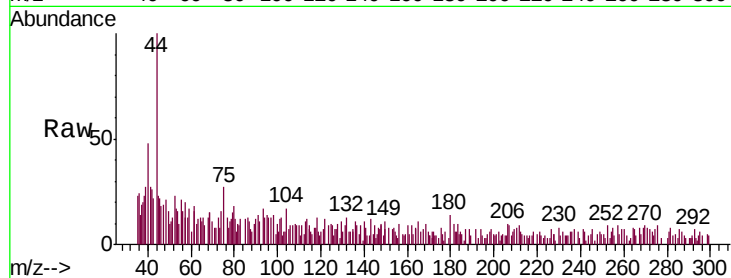
Tgt Ion: 42 Resp: 2009

Ion Ratio Lower Upper

42 100

72 10.3 31.7 47.5#

71 28.7 29.6 44.4#



#33

1,2-Dichloroethane-d4

Concen: 46.397 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015593.D

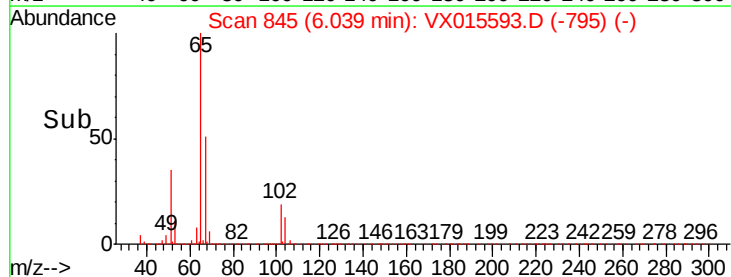
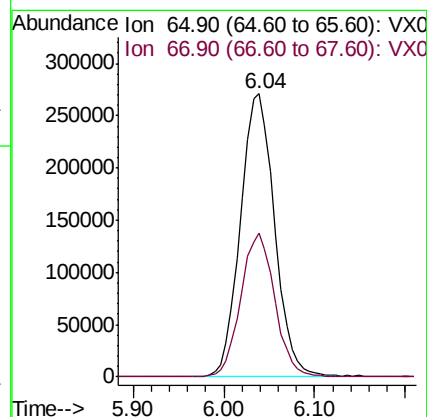
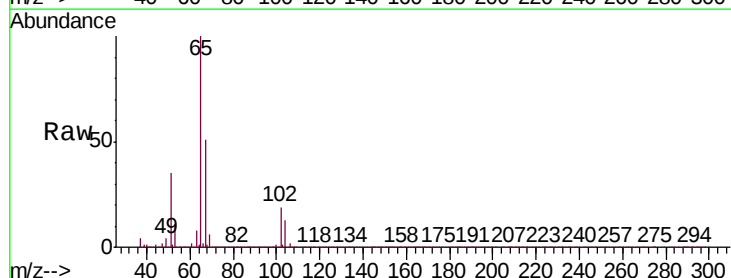
Acq: 09 Apr 2020 13:53

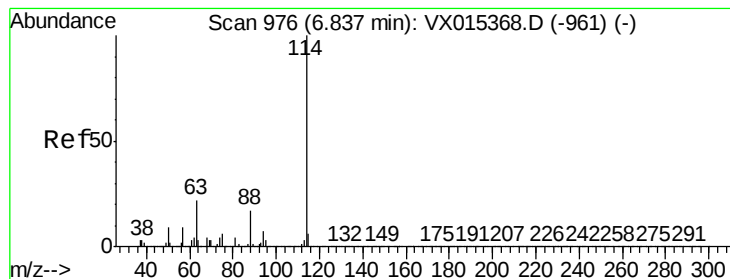
Tgt Ion: 65 Resp: 703348

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: VX015593.D

Acq: 09 Apr 2020 13:53

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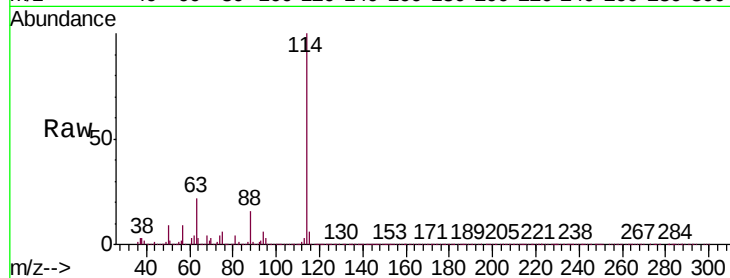
Tgt Ion:114 Resp: 1672601

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

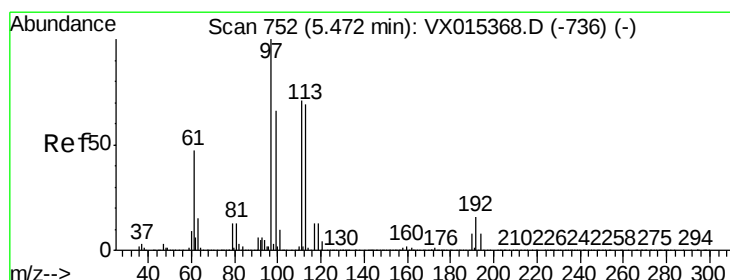
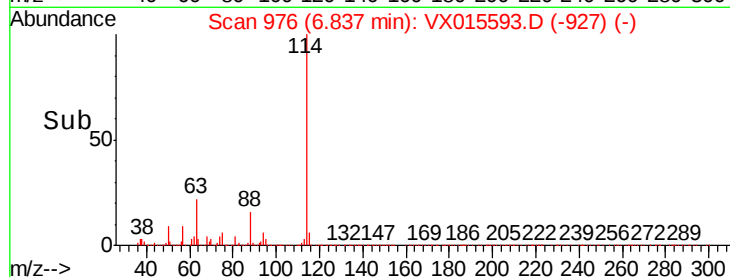
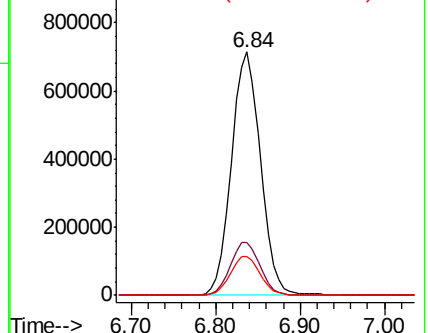
88 16.1 0.0 33.8



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: 48.067 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

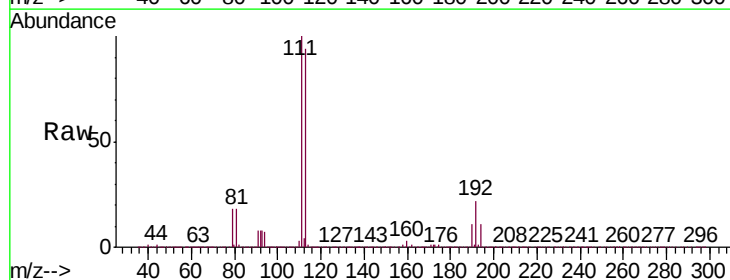
Tgt Ion:113 Resp: 513922

Ion Ratio Lower Upper

113 100

111 105.3 81.5 122.3

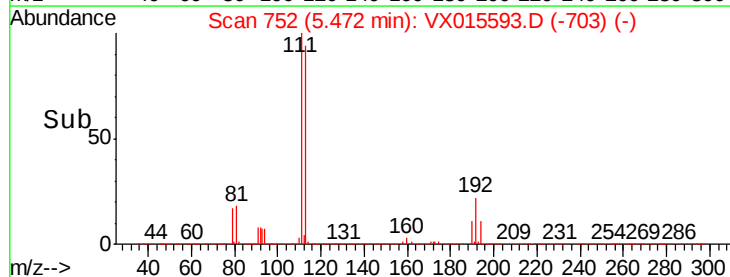
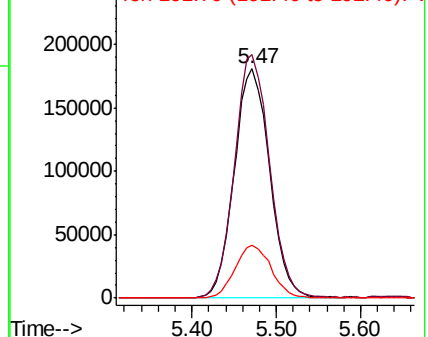
192 23.6 17.8 26.6

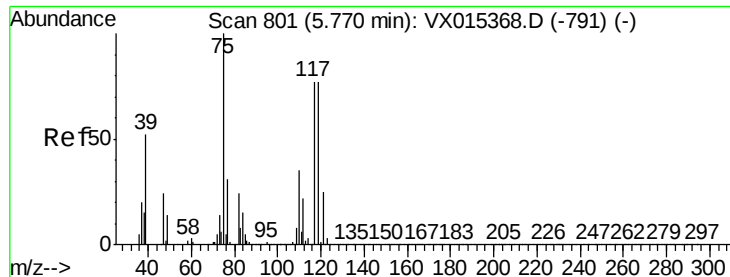


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

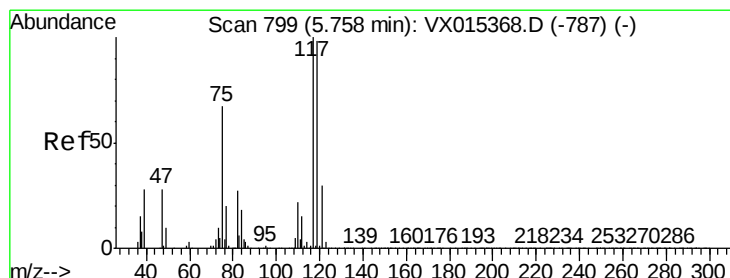
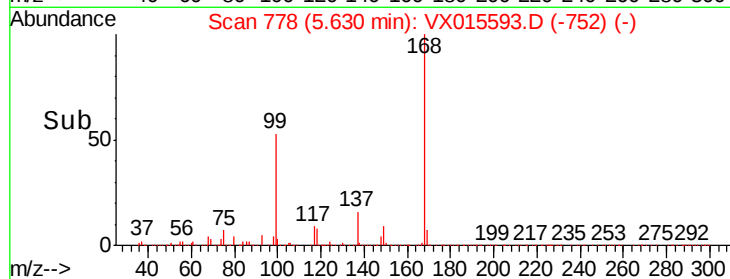
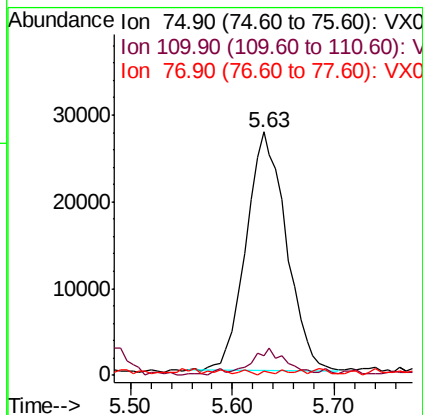
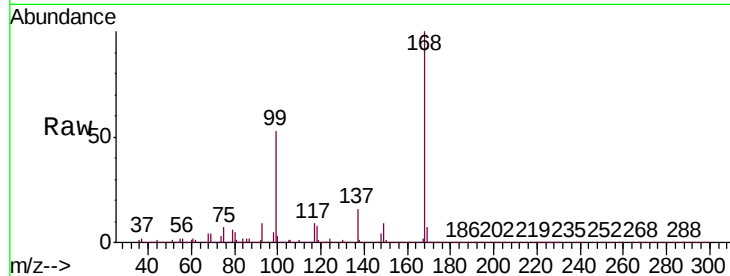




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015593.D
 Acq: 09 Apr 2020 13:53

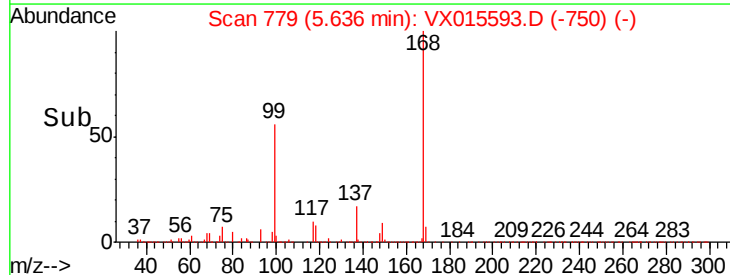
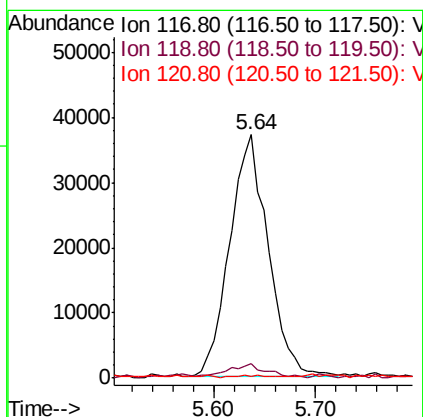
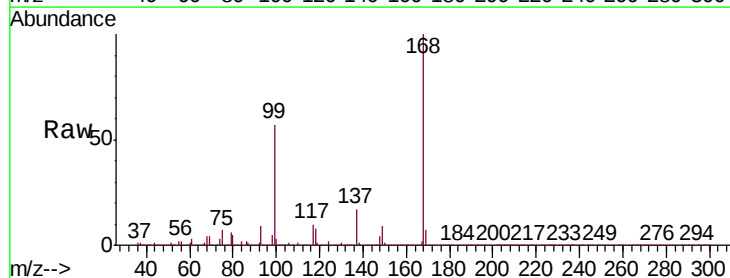
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-200407

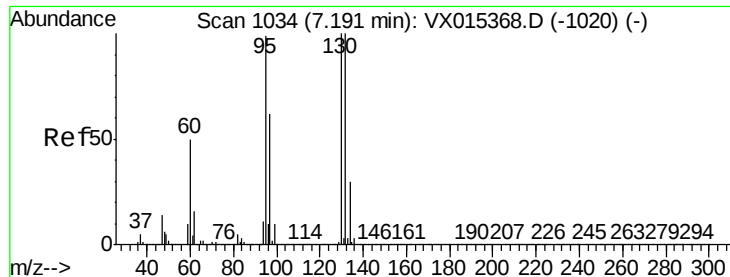
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.3#
77	1.2	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.772 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015593.D
 Acq: 09 Apr 2020 13:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	78.0	117.0#
121	0.2	23.8	35.8#





#44

Trichloroethene

Concen: 0.778 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

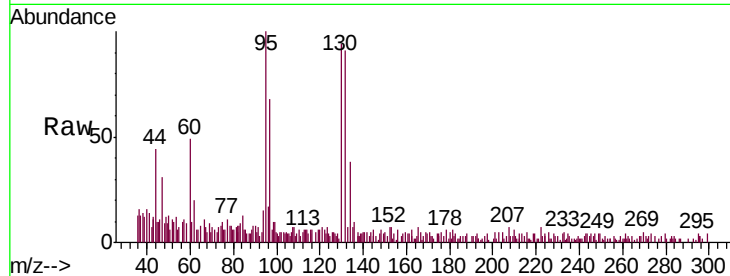
KY062MW139-200407

Tgt Ion:130 Resp: 9584

Ion Ratio Lower Upper

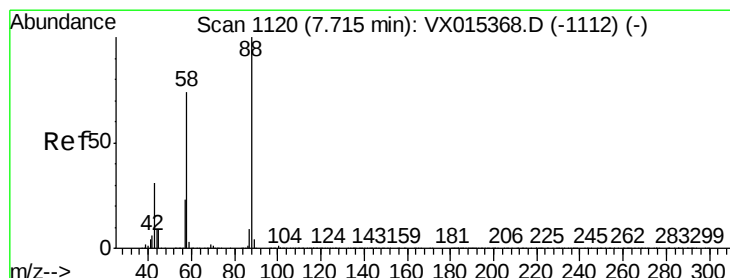
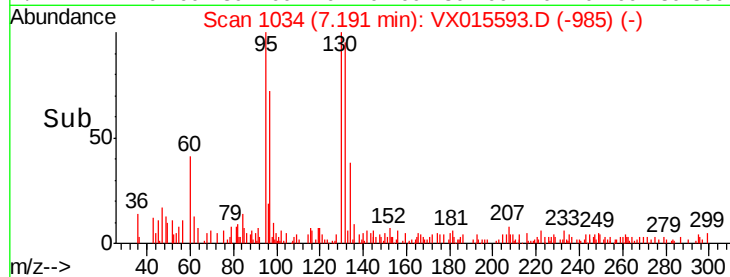
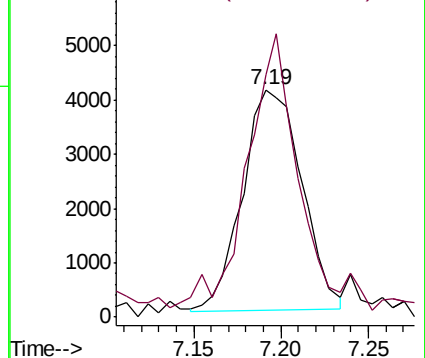
130 100

95 102.1 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.501 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.02 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

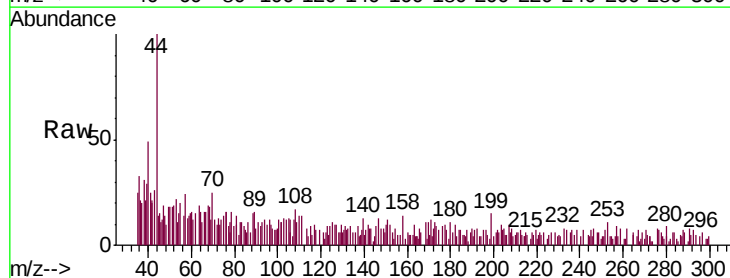
Tgt Ion: 88 Resp: 158

Ion Ratio Lower Upper

88 100

43 1008.9 30.1 45.1#

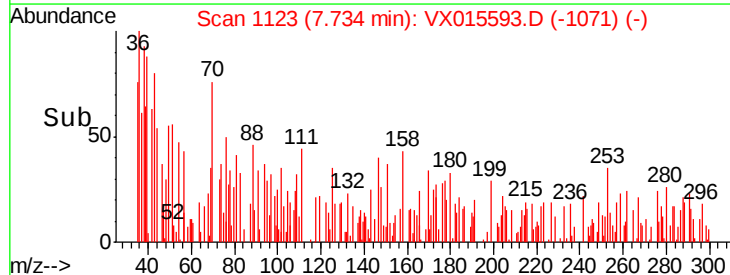
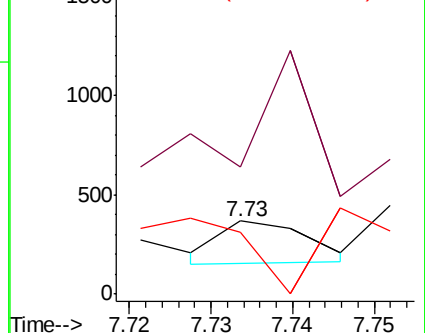
58 0.0 60.6 90.8#

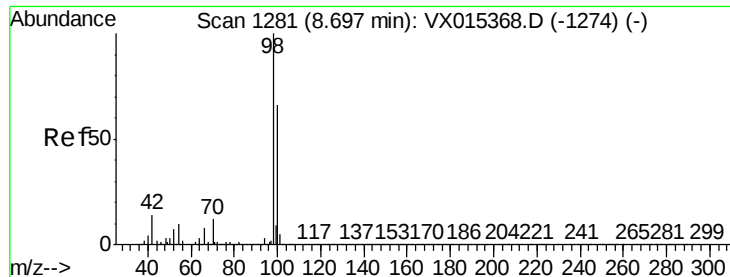


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.007 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

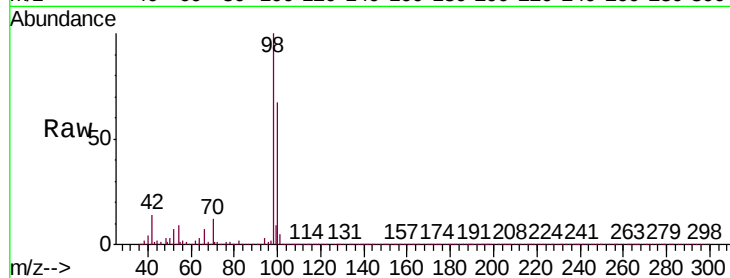
KY062MW139-200407

Tgt Ion: 98 Resp: 2007843

Ion Ratio Lower Upper

98 100

100 66.4 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

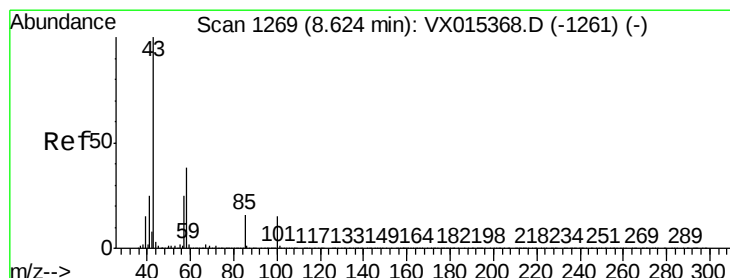
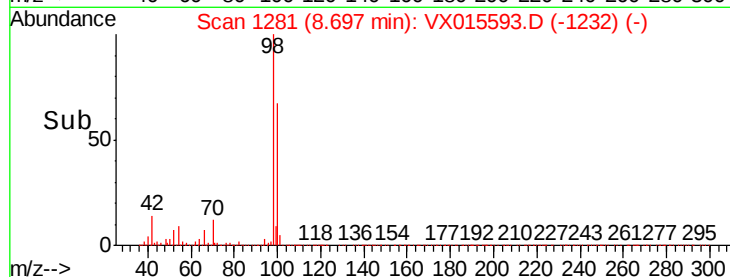
1000000

500000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.201 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VX015593.D

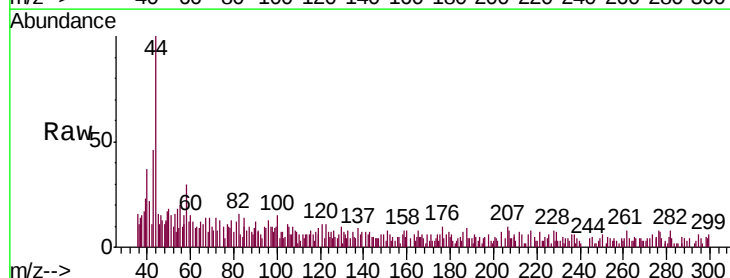
Acq: 09 Apr 2020 13:53

Tgt Ion: 43 Resp: 3850

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.63

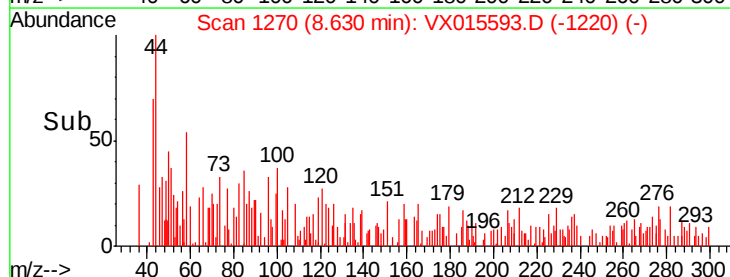
10000

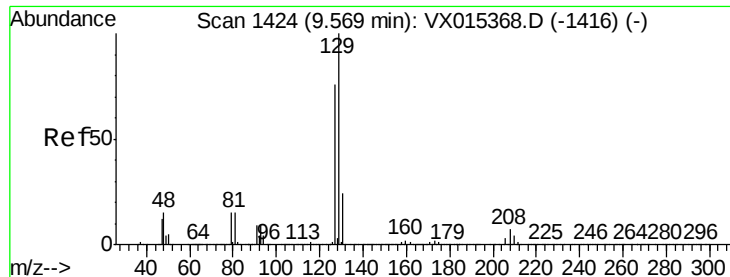
5000

0

Time-->

8.60 8.65





#60

Dibromochloromethane

Concen: 4.055 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

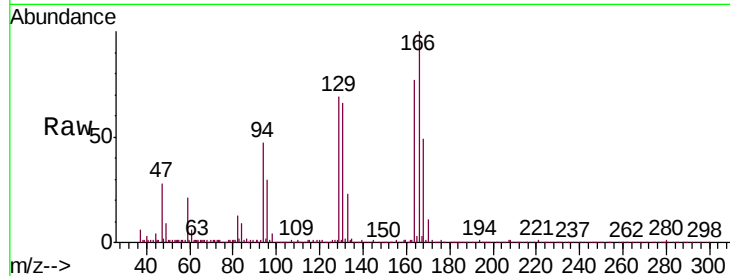
KY062MW139-200407

Tgt Ion:129 Resp: 55558

Ion Ratio Lower Upper

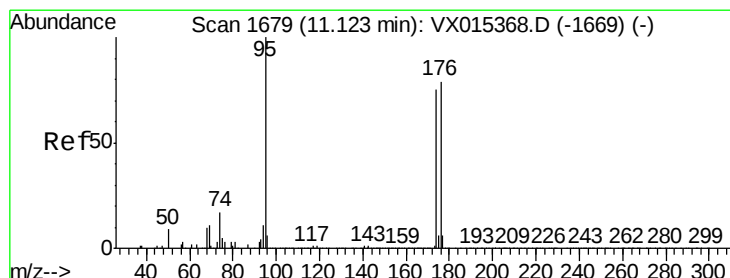
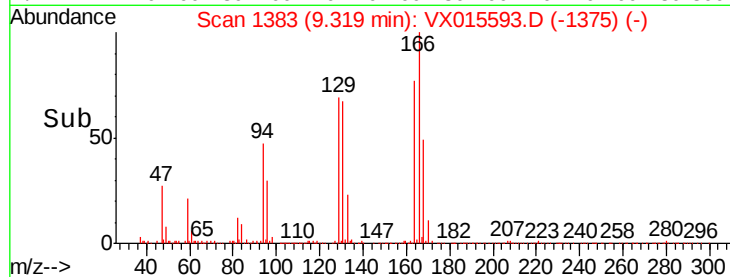
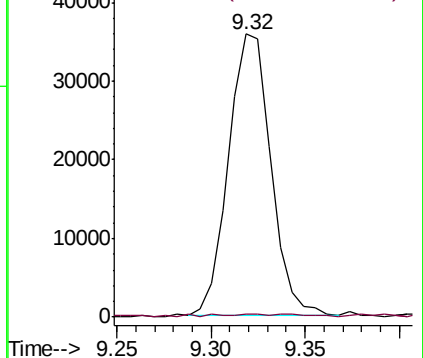
129 100

127 1.6 38.2 114.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.032 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

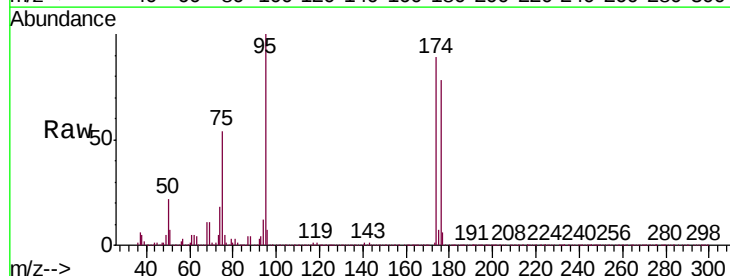
Tgt Ion: 95 Resp: 848392

Ion Ratio Lower Upper

95 100

174 83.5 0.0 158.6

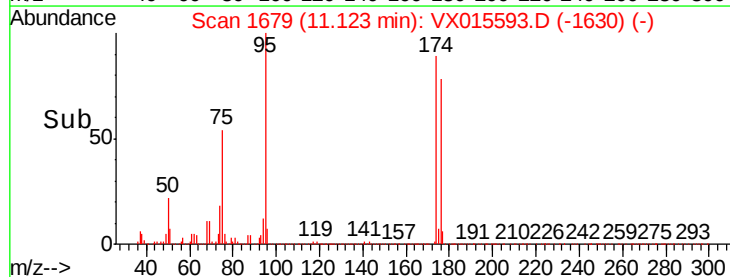
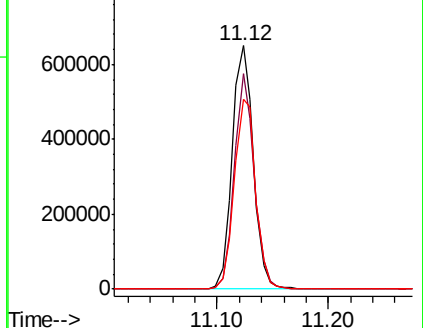
176 79.5 0.0 159.0

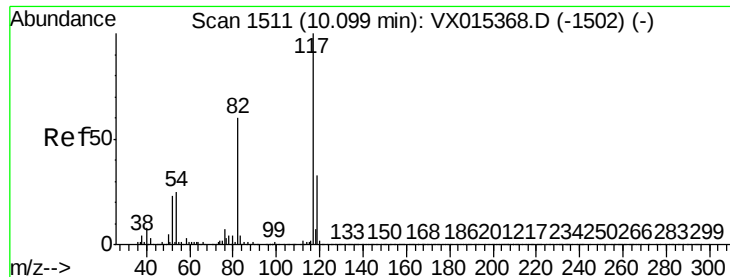


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

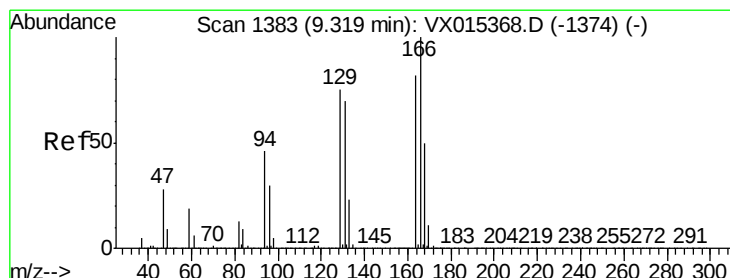
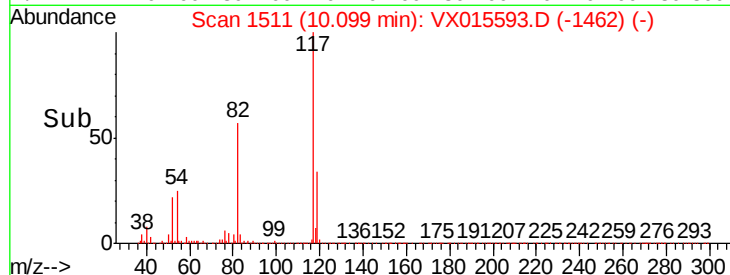
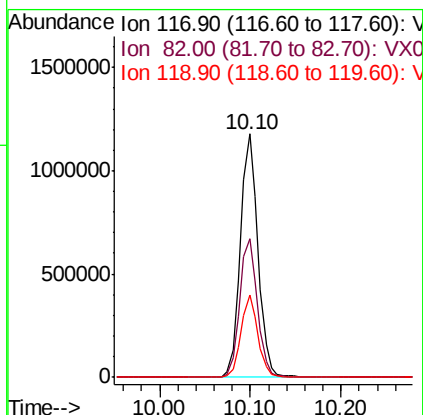
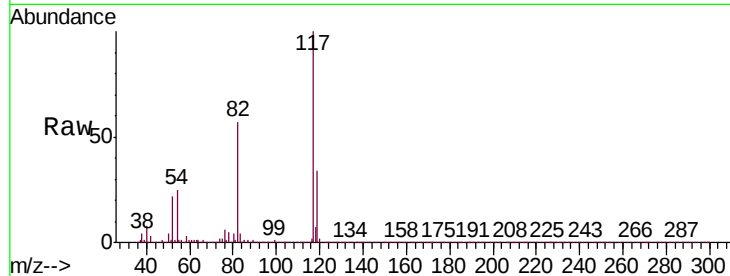




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

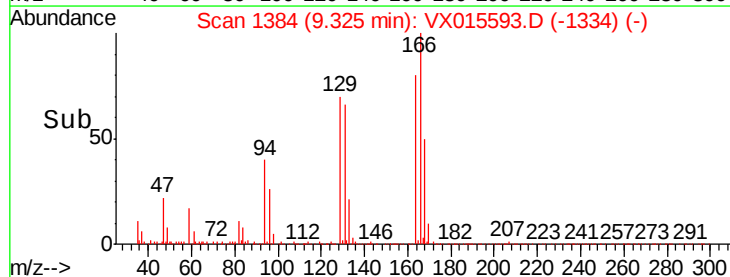
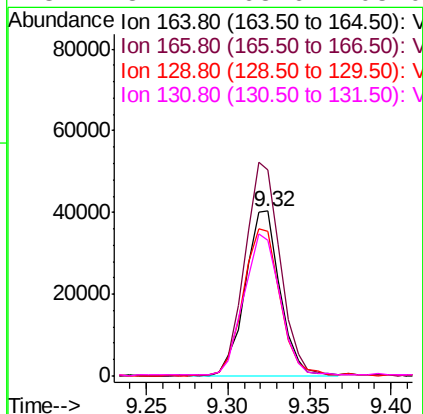
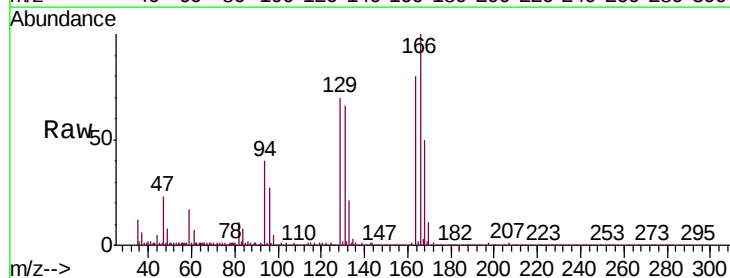
Instrument :
MSVOA_X
ClientSampleId :
KY062MW139-200407

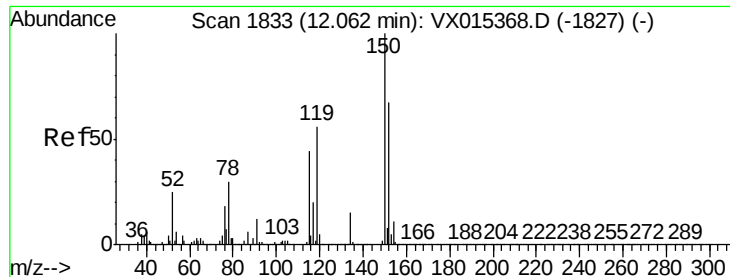
Tgt Ion:117 Resp: 1580742
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.8
119 33.7 26.8 40.2



#64
Tetrachloroethene
Concen: 5.029 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015593.D
Acq: 09 Apr 2020 13:53

Tgt Ion:164 Resp: 59990
Ion Ratio Lower Upper
164 100
166 125.1 97.8 146.6
129 87.3 73.0 109.4
131 81.4 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: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-200407

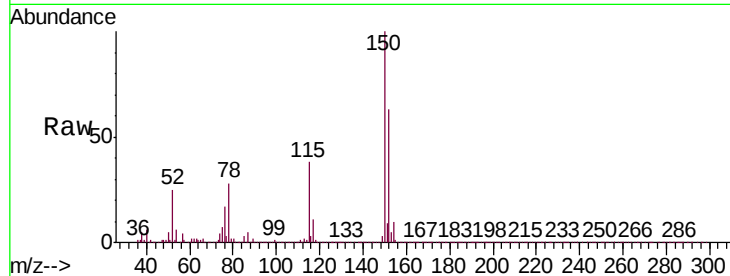
Tgt Ion: 152 Resp: 888229

Ion Ratio Lower Upper

152 100

115 57.7 39.0 116.9

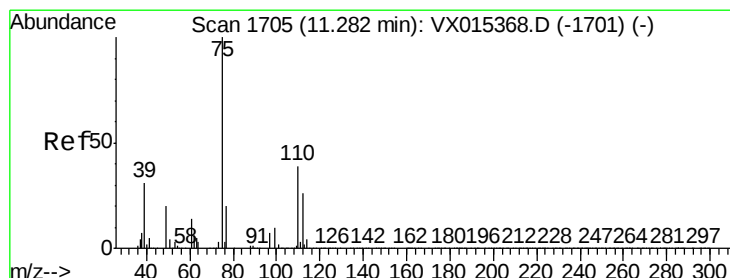
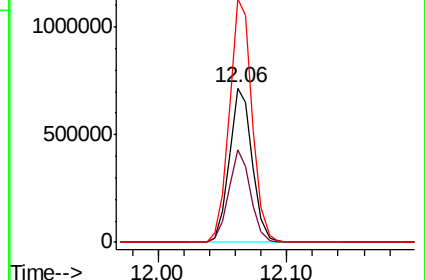
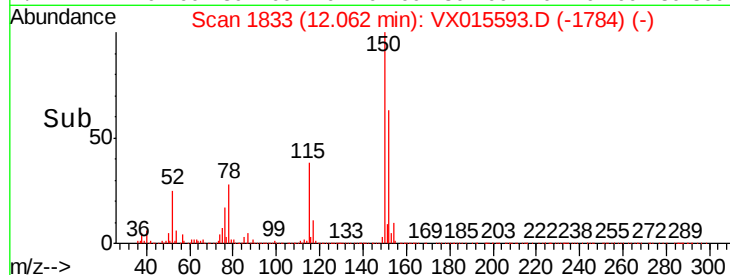
150 157.7 0.0 340.8



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: 24.258 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015593.D

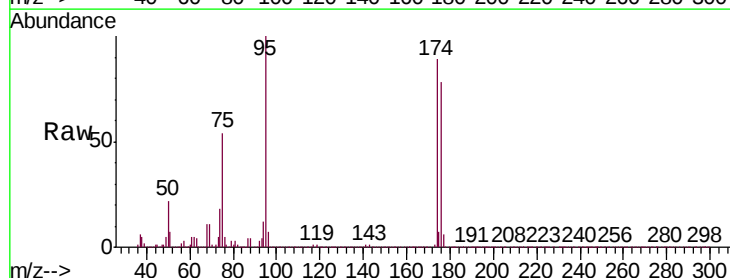
Acq: 09 Apr 2020 13:53

Tgt Ion: 75 Resp: 443090

Ion Ratio Lower Upper

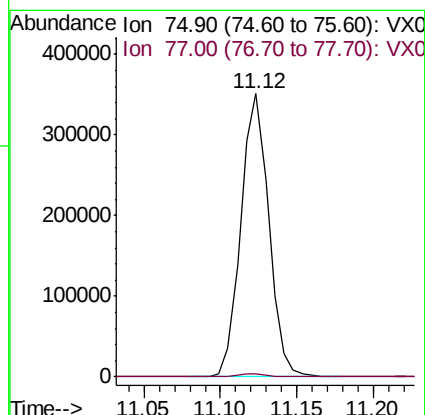
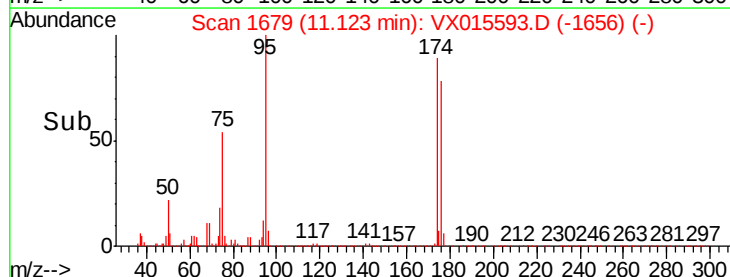
75 100

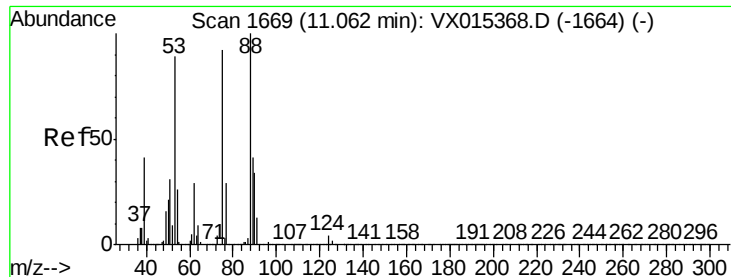
77 1.1 21.2 63.6#



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: 58.206 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015593.D

Acq: 09 Apr 2020 13:53

Instrument :

MSVOA_X

ClientSampleId :

KY062MW139-200407

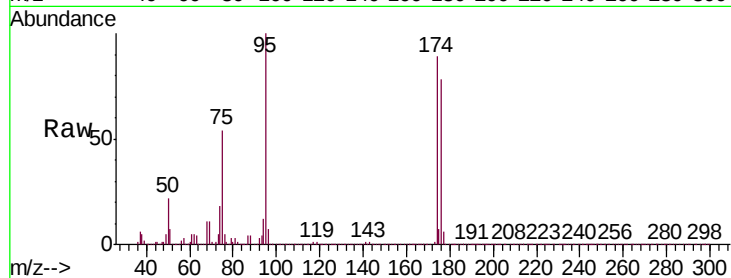
Tgt Ion: 75 Resp: 443090

Ion Ratio Lower Upper

75 100

53 0.0 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

