

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015568.D
 Acq On : 08 Apr 2020 14:54
 Operator : JC/SP
 Sample : L2190-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW144-200406

Quant Time: Apr 09 06:20:42 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

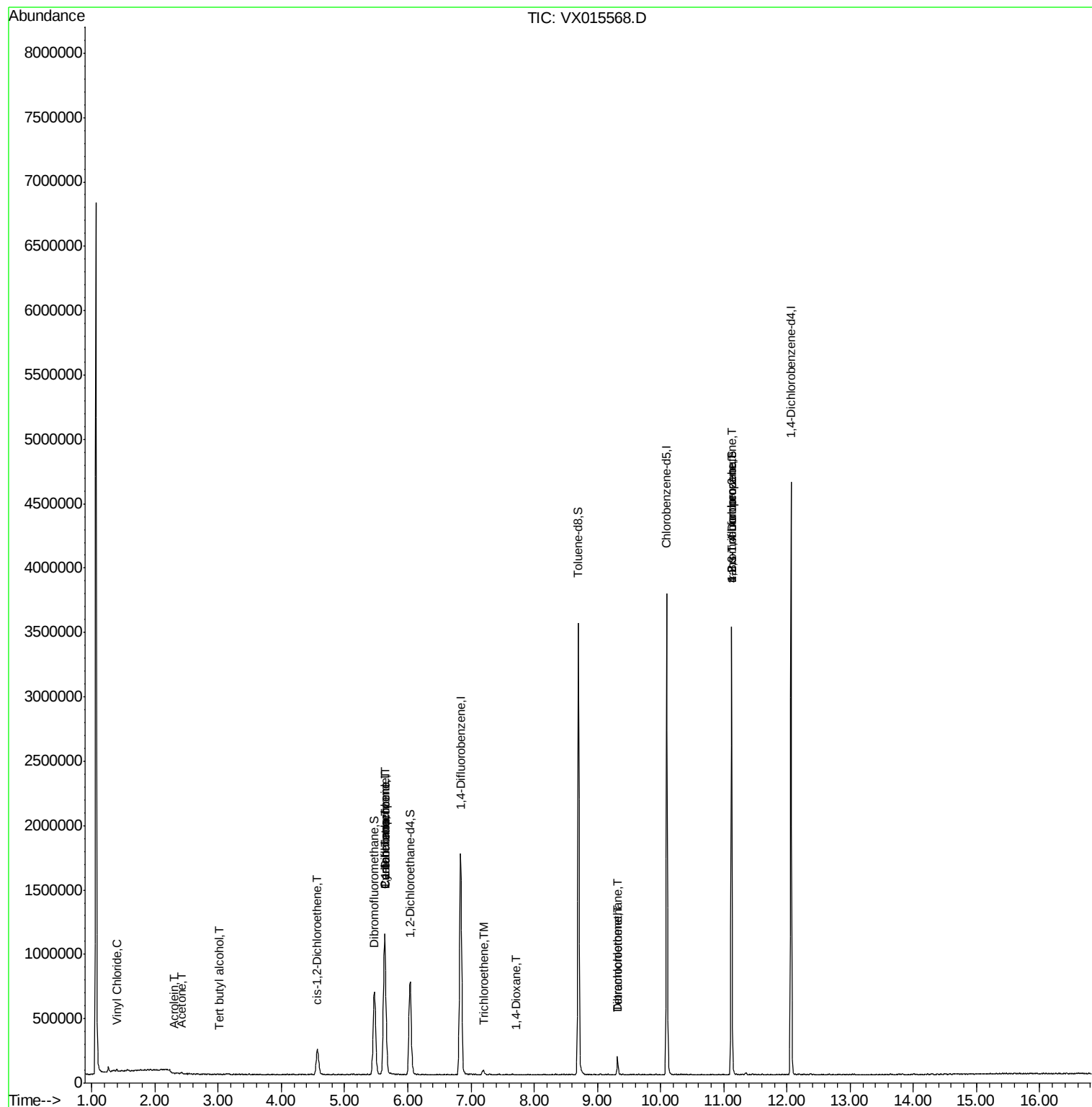
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1068969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1717041	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1617410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	914098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	712460	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	5.47	113	528647	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	8.70	98	2033473	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.12	95	886541	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	10787	0.980	ug/l	99
5) Bromomethane	1.63	94	643	Below Cal	#	20
11) Tert butyl alcohol	3.01	59	1425	0.395	ug/l #	1
13) Acrolein	2.30	56	465	0.226	ug/l #	14
16) Acetone	2.42	43	13391	2.067	ug/l #	81
27) cis-1,2-Dichloroethene	4.57	96	123746	9.550	ug/l	90
31) Cyclohexane	5.63	56	21456	1.124	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	77453	4.896	ug/l #	52
38) Carbon Tetrachloride	5.64	117	102139	5.961	ug/l #	14
44) Trichloroethene	7.20	130	16081	1.272	ug/l	96
49) 1,4-Dioxane	7.72	88	515	1.589	ug/l #	1
60) Dibromochloromethane	9.32	129	24866	1.768	ug/l #	16
64) Tetrachloroethene	9.32	164	27583	2.260	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	464399	24.705	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	464399	59.279	ug/l #	10

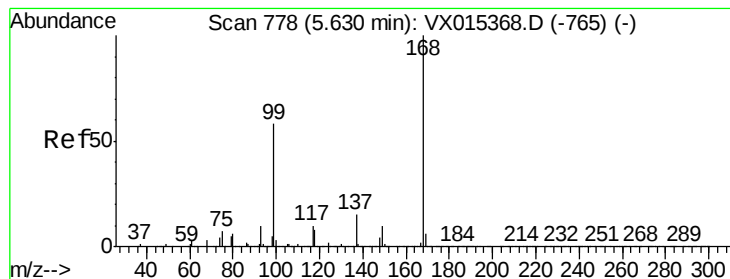
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

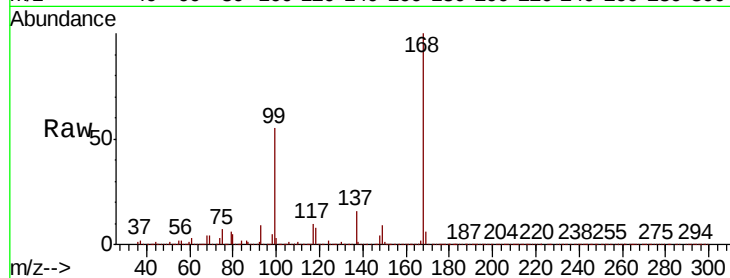
KY062MW144-200406

Tot Ion:168 Resp: 1068969

Ion Ratio Lower Upper

168 100

99 55.2 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

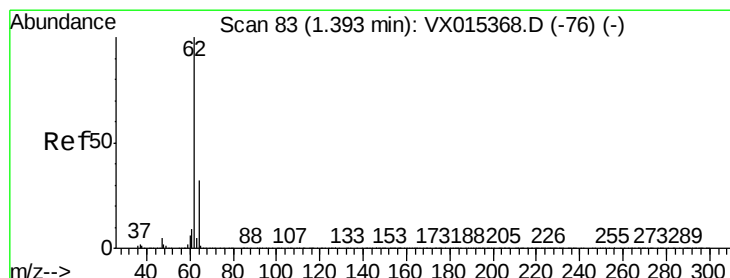
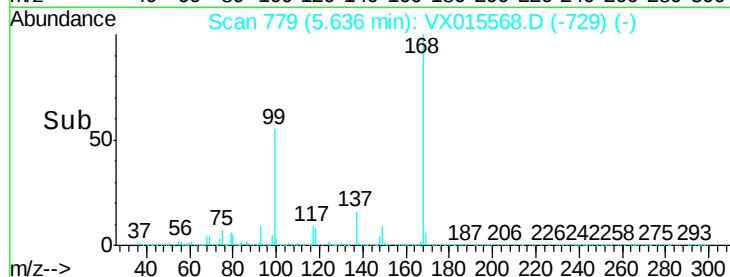
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 0.980 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015568.D

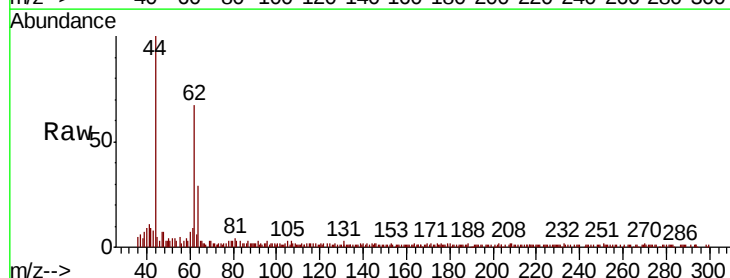
Acq: 08 Apr 2020 14:54

Tgt Ion: 62 Resp: 10787

Ion Ratio Lower Upper

62 100

64 33.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

12000

10000

8000

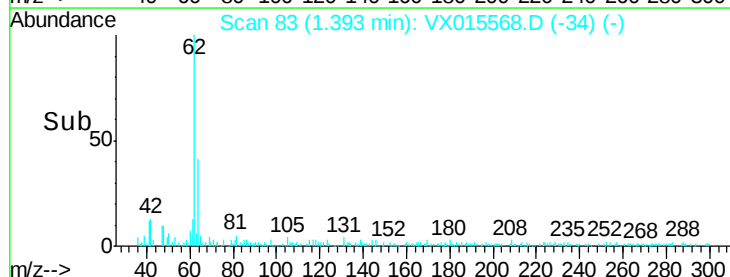
6000

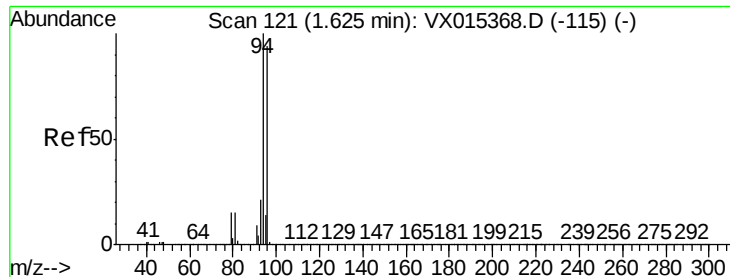
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

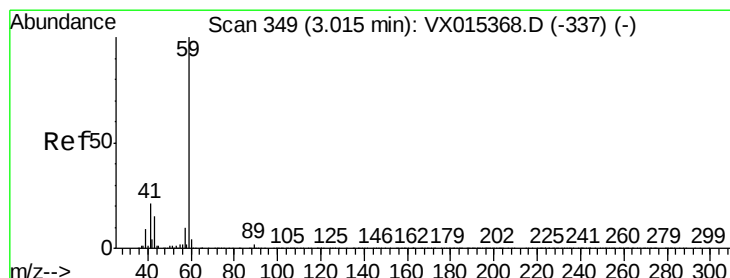
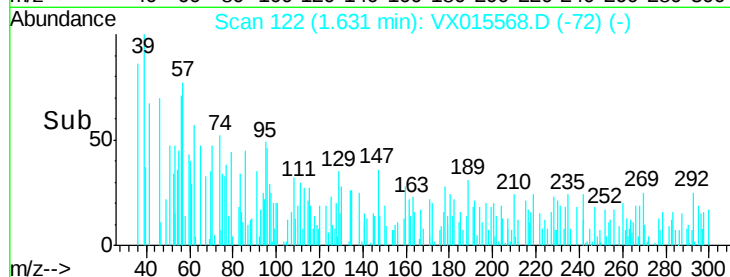
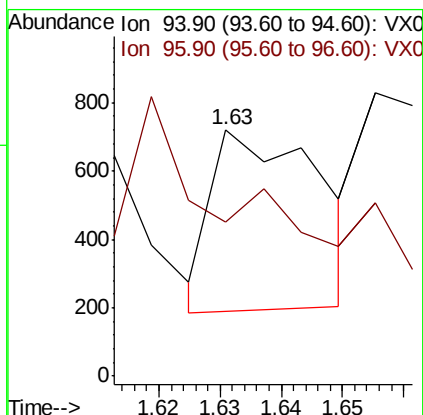
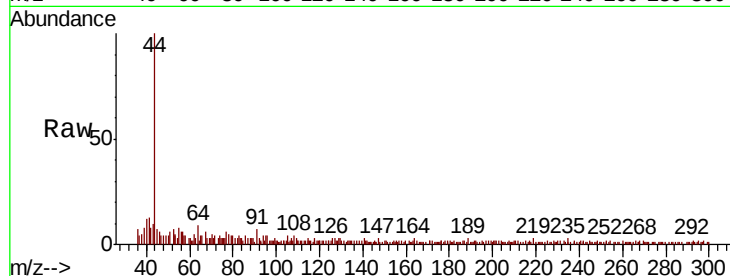
KY062MW144-200406

Tot Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 16.1 74.8 112.2#



#11

Tert butyl alcohol

Concen: 0.395 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015568.D

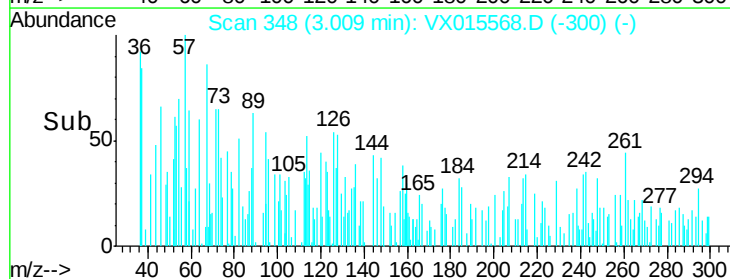
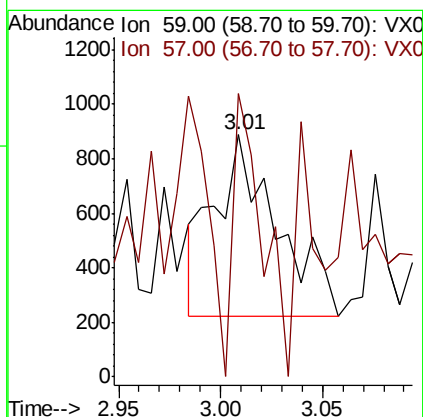
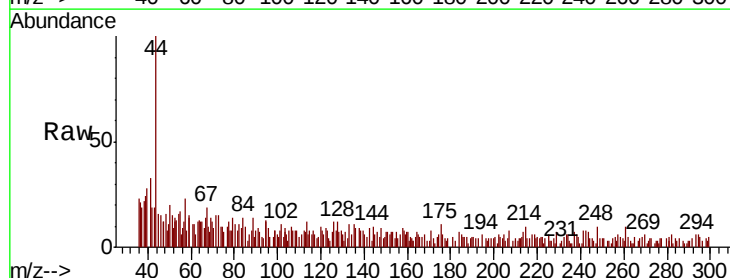
Acq: 08 Apr 2020 14:54

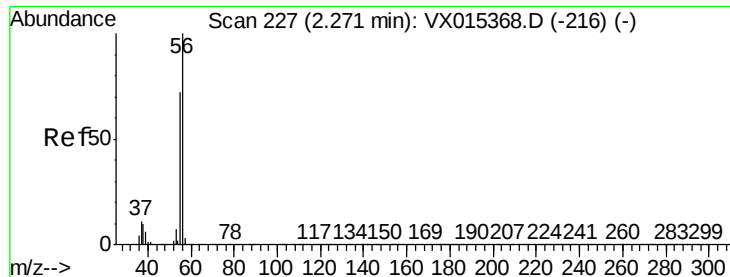
Tgt Ion: 59 Resp: 1425

Ion Ratio Lower Upper

59 100

57 71.2 8.1 12.1#





#13

Acrolein

Concen: 0.226 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.03 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

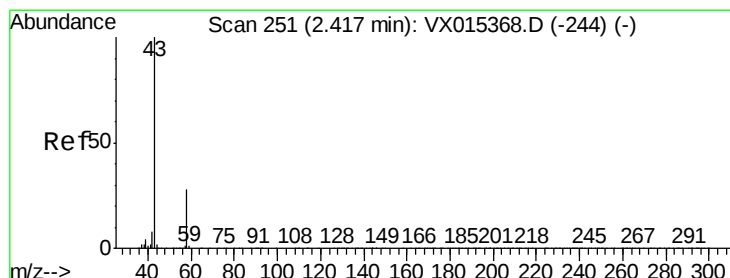
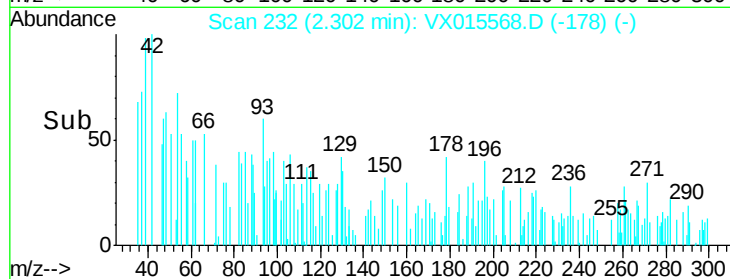
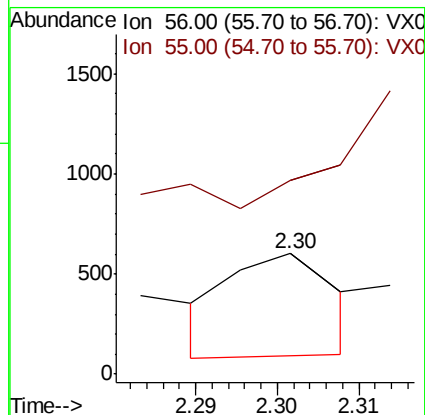
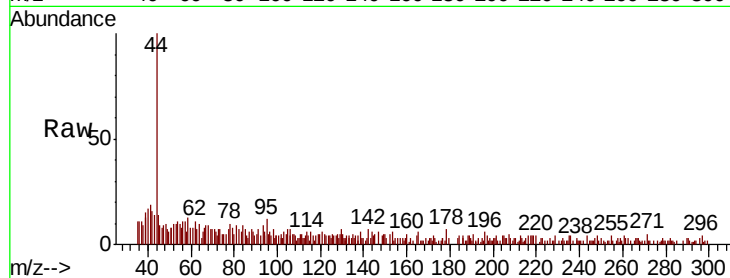
KY062MW144-200406

Tot Ion: 56 Resp: 465

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#16

Acetone

Concen: 2.067 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015568.D

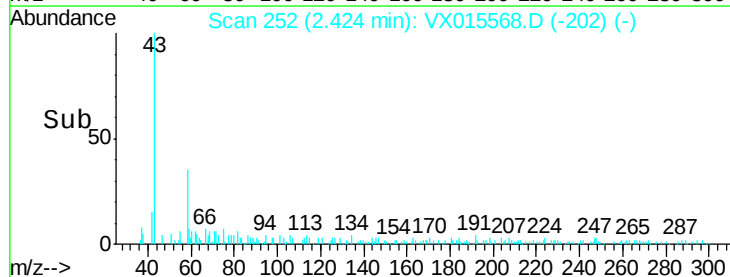
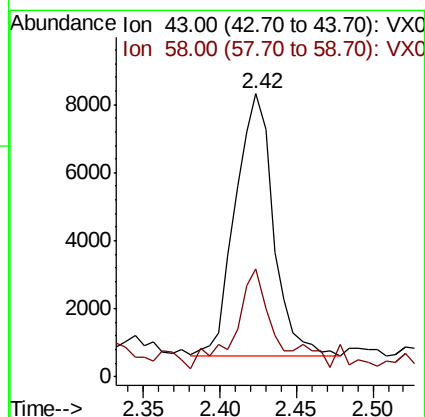
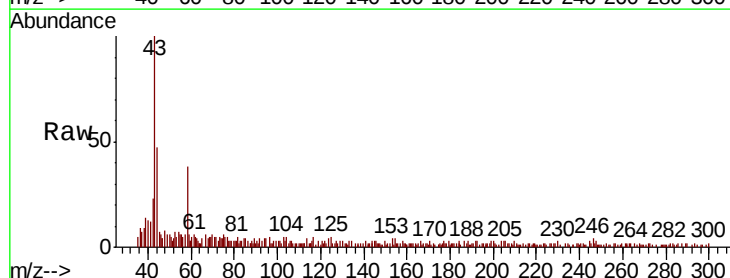
Acq: 08 Apr 2020 14:54

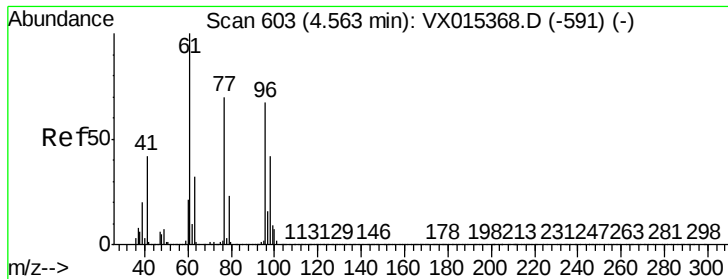
Tgt Ion: 43 Resp: 13391

Ion Ratio Lower Upper

43 100

58 37.8 22.1 33.1#



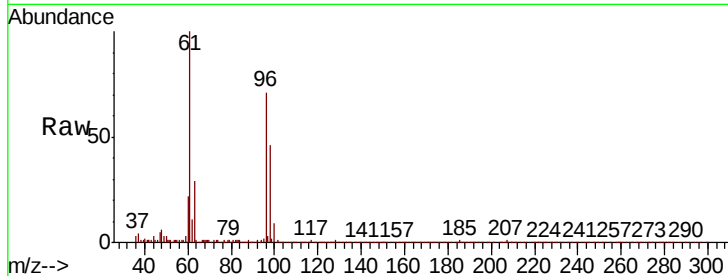


#27

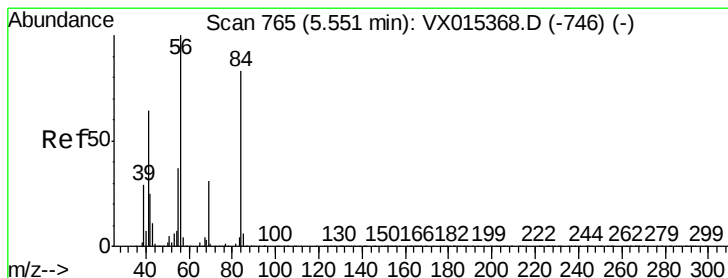
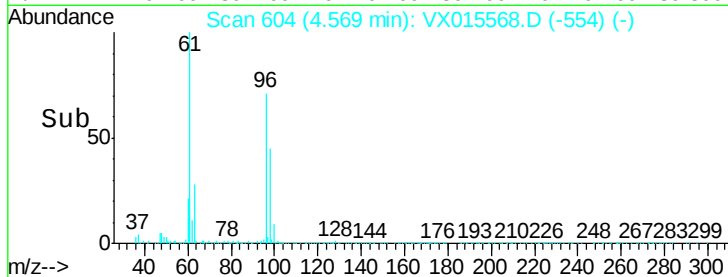
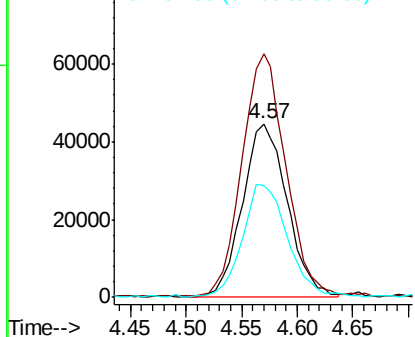
cis-1,2-Dichloroethene
Concen: 9.550 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

Instrument :
MSVOA_X
ClientSampleId :
KY062MW144-200406

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	308.4
98	66.8	0.0	129.2



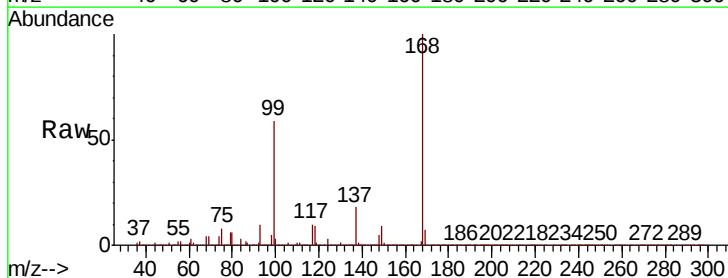
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



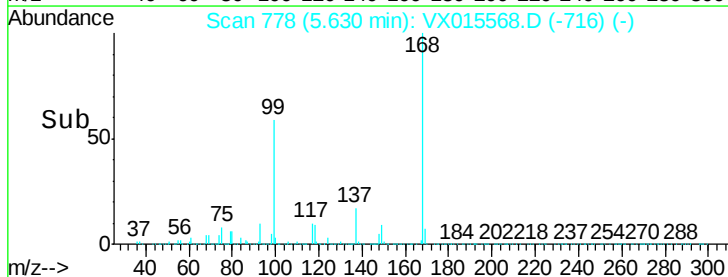
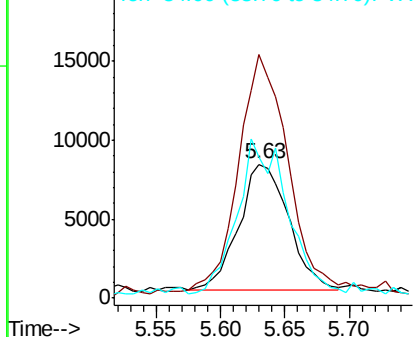
#31

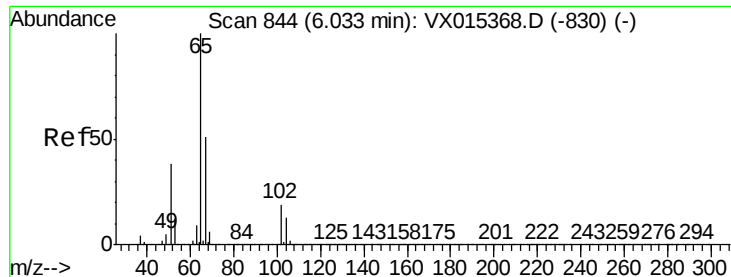
Cyclohexane
Concen: 1.124 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	187.0	24.6	36.8#
84	108.9	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

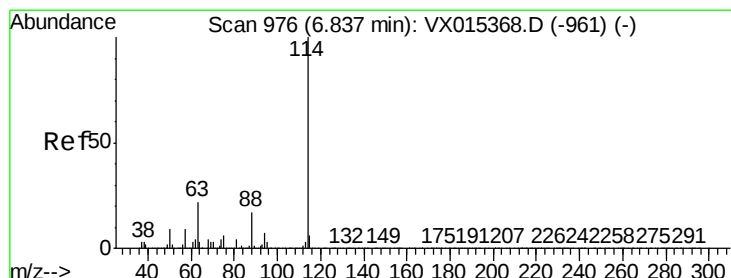
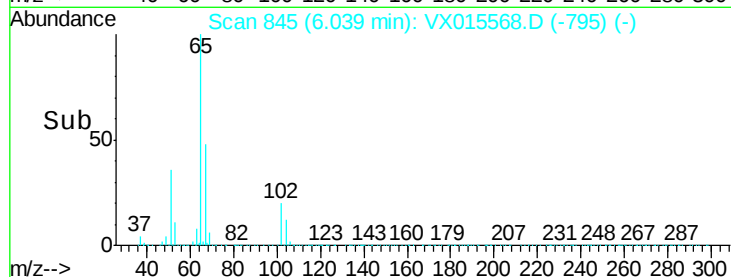
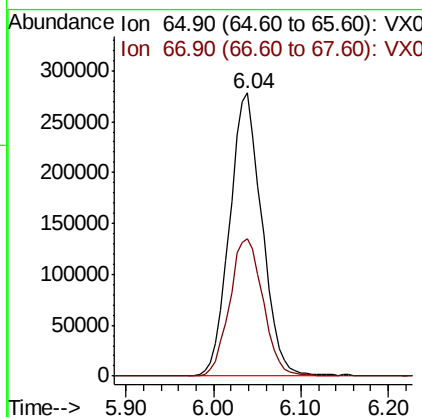
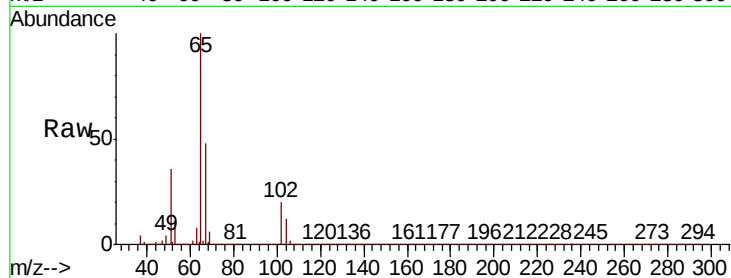




#33
 1,2-Dichloroethane-d4
 Concen: 47.256 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015568.D
 Acq: 08 Apr 2020 14:54

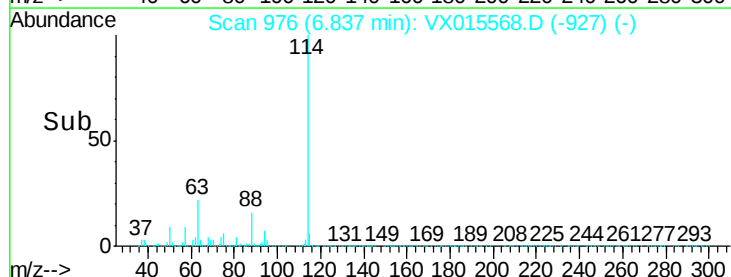
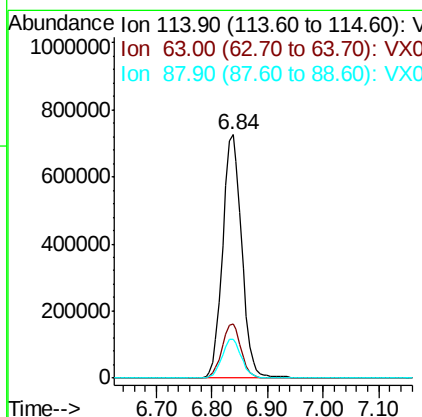
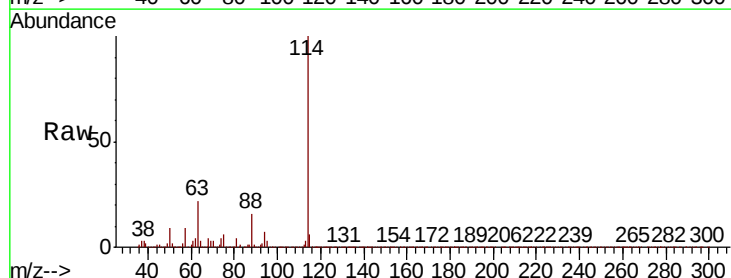
Instrument :
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 KY062MW144-200406

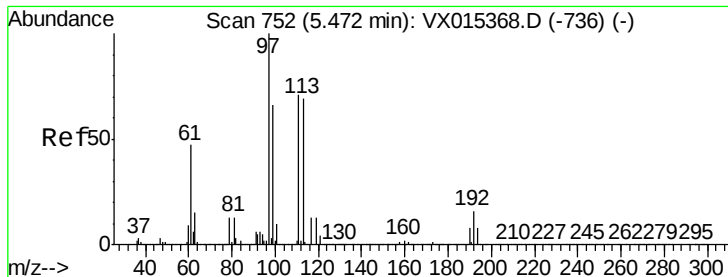
Tot Ion: 65 Resp: 712460
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015568.D
 Acq: 08 Apr 2020 14:54

Tgt Ion: 114 Resp: 1717041
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.2
 88 16.1 0.0 33.8

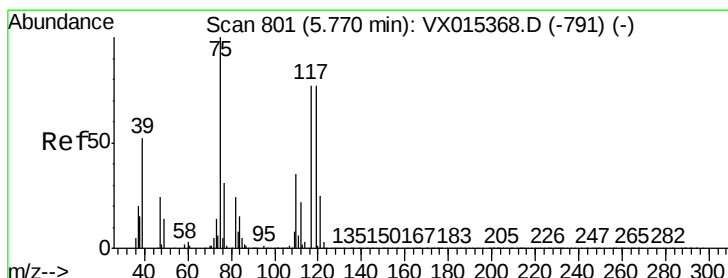
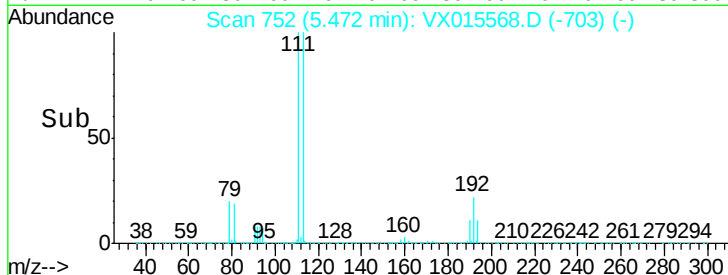
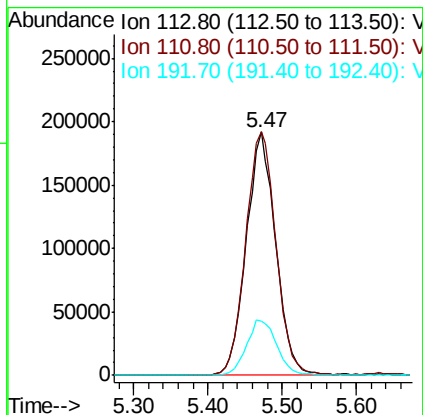
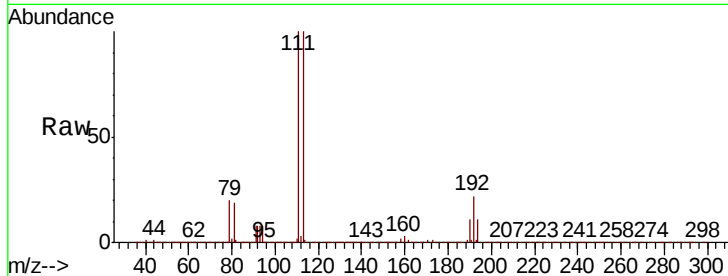




#35
Dibromofluoromethane
Concen: 48.165 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

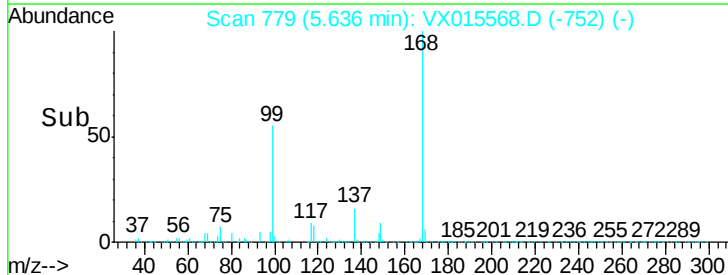
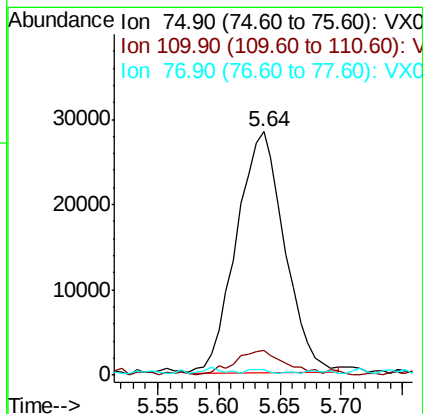
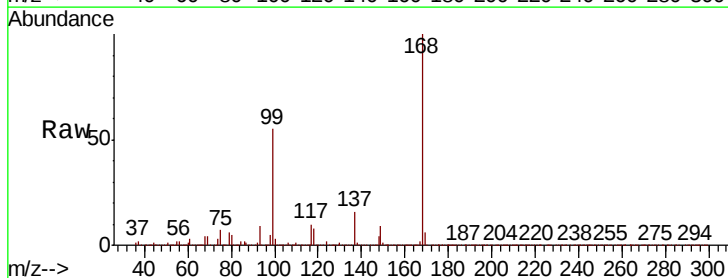
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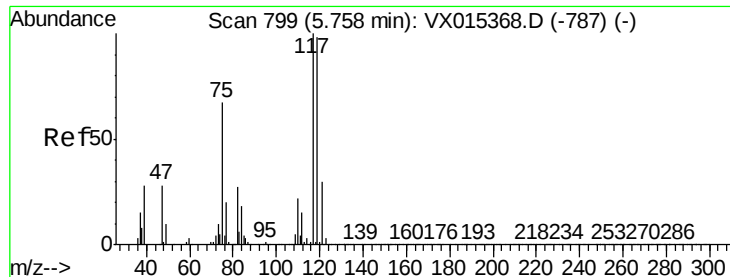
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	23.5	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.1	51.3#
77	0.7	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.961 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

KY062MW144-200406

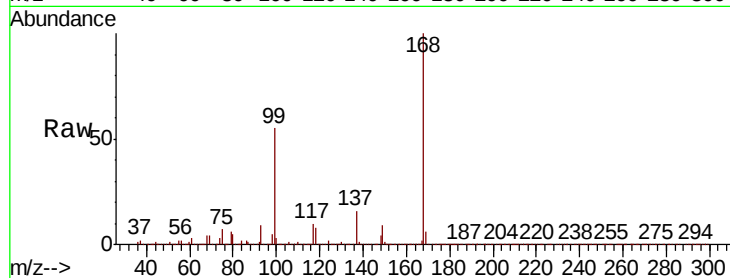
Tot Ion:117 Resp: 102139

Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

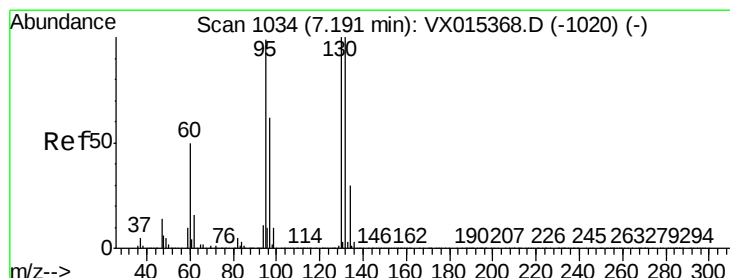
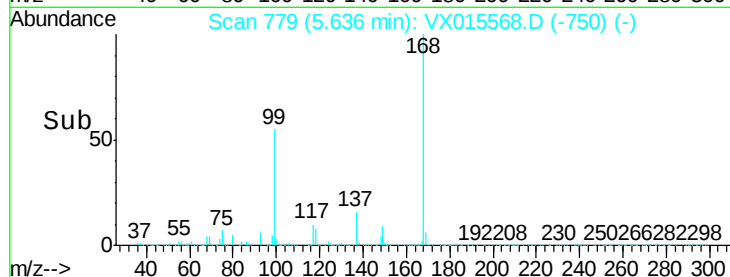
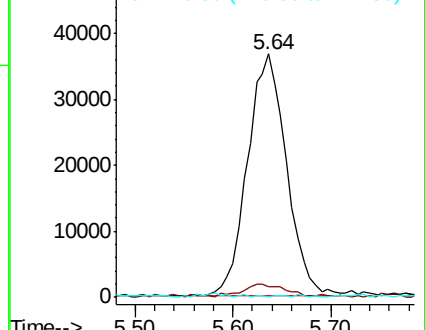
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.272 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015568.D

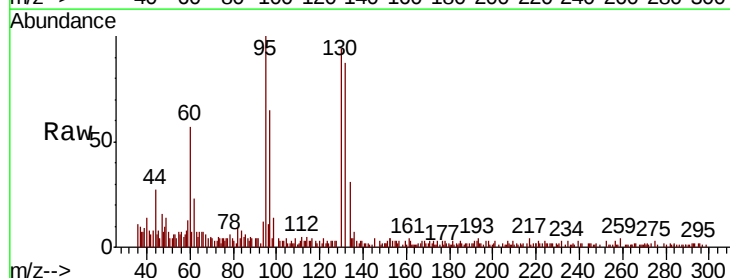
Acq: 08 Apr 2020 14:54

Tgt Ion:130 Resp: 16081

Ion Ratio Lower Upper

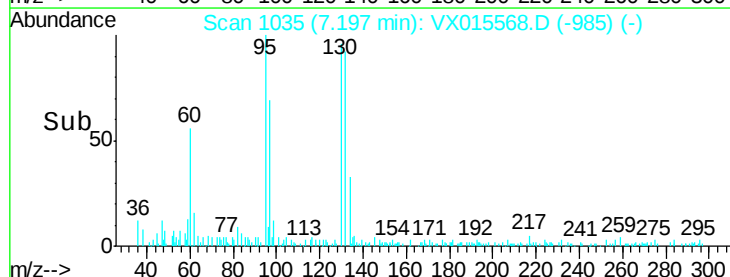
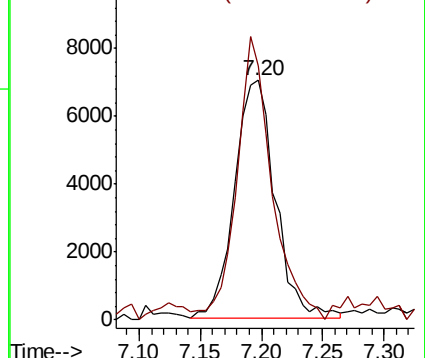
130 100

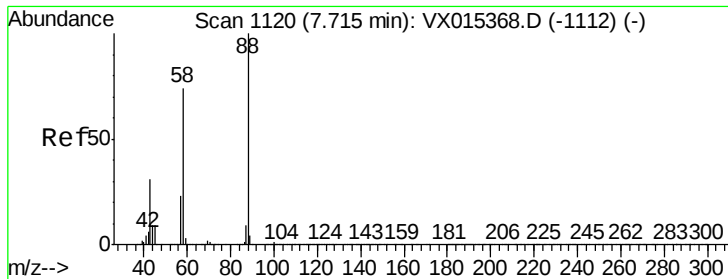
95 103.7 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

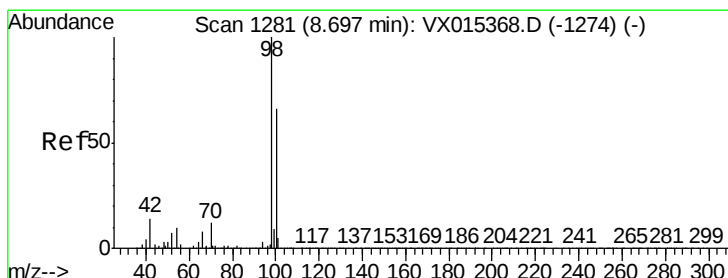
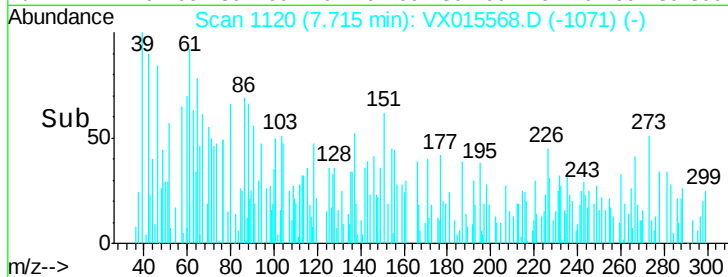
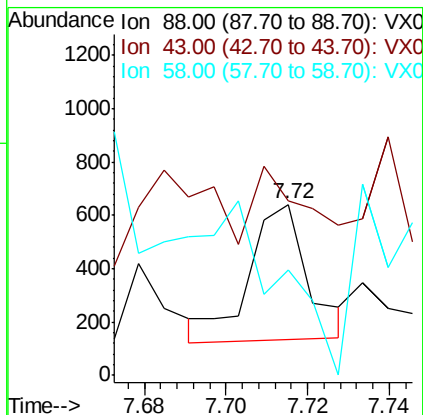
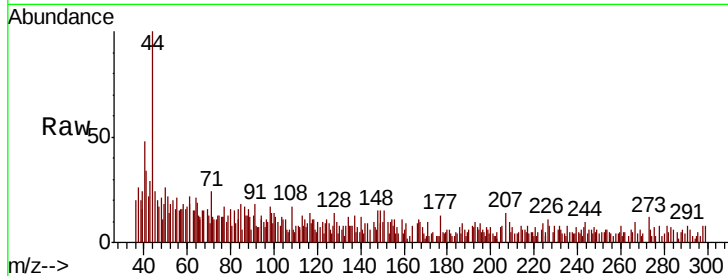




#49
1,4-Dioxane
Concen: 1.589 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

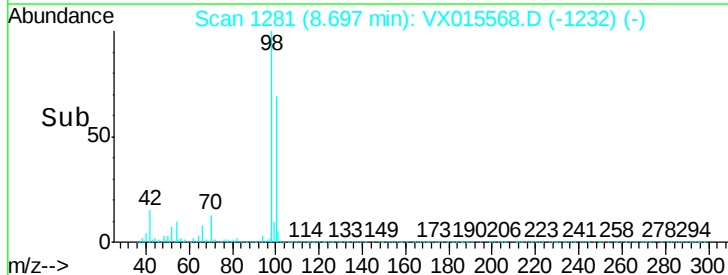
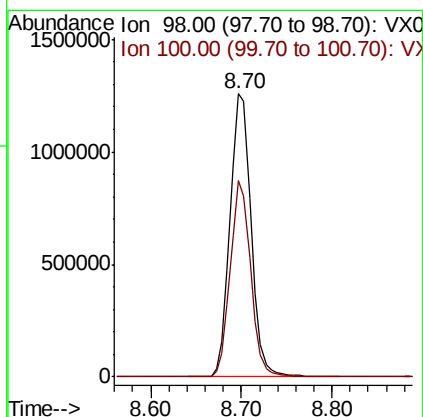
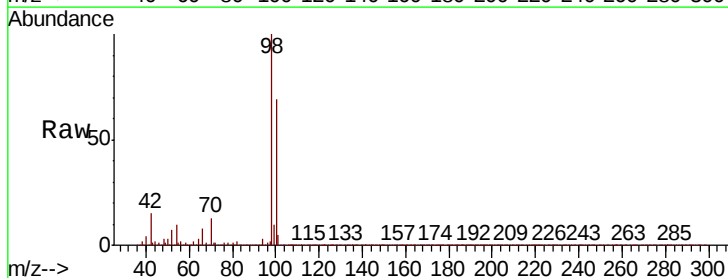
Instrument :
MSVOA_X
ClientSampleId :
KY062MW144-200406

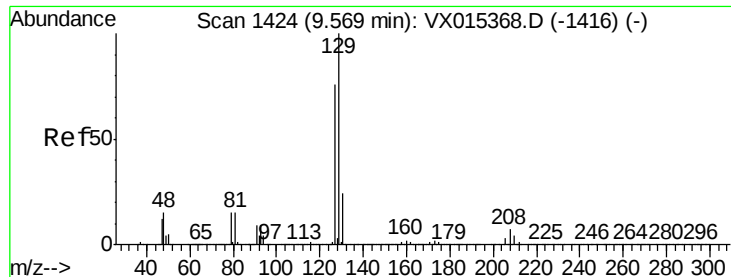
Tot Ion: 88 Resp: 515
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 272.8 60.6 90.8#



#50
Toluene-d8
Concen: 50.321 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

Tgt Ion: 98 Resp: 2033473
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3





#60

Dibromochloromethane

Concen: 1.768 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

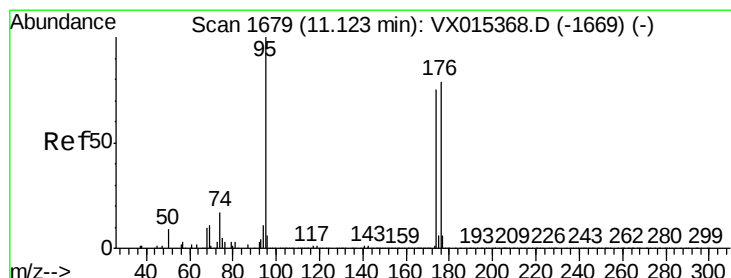
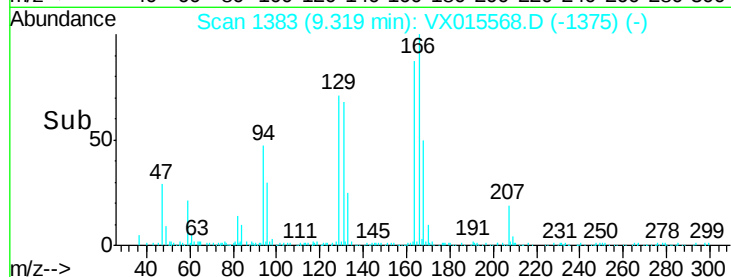
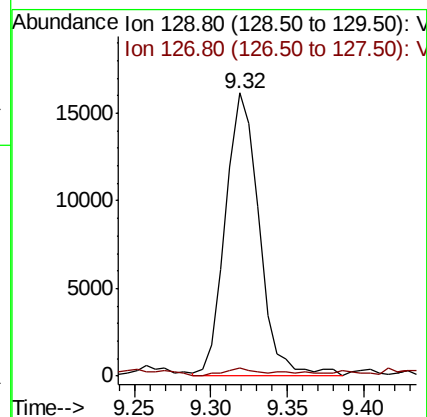
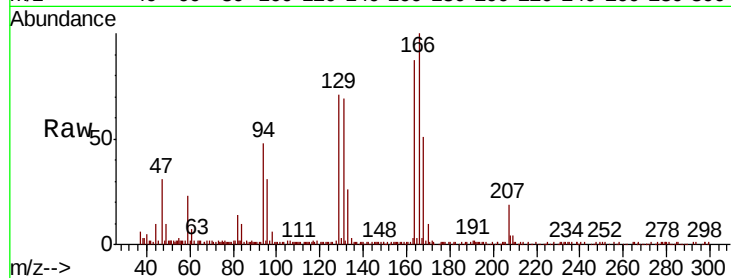
KY062MW144-200406

Tot Ion:129 Resp: 24866

Ion Ratio Lower Upper

129 100

127 3.8 38.2 114.6#



#62

4-Bromofluorobenzene

Concen: 53.983 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

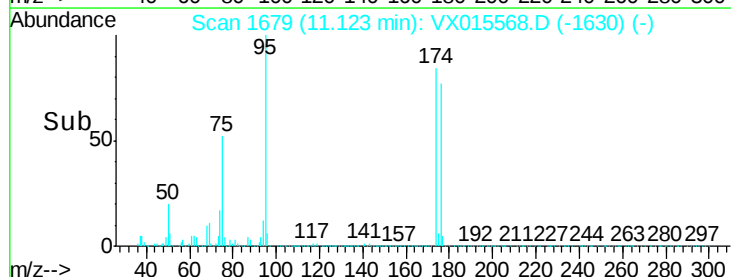
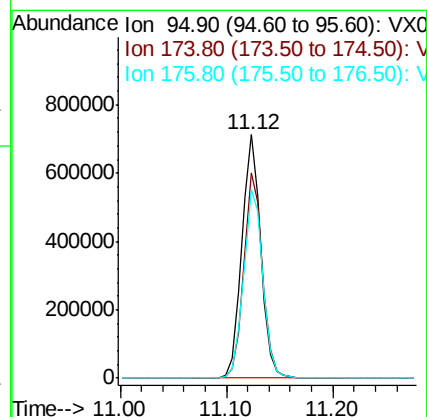
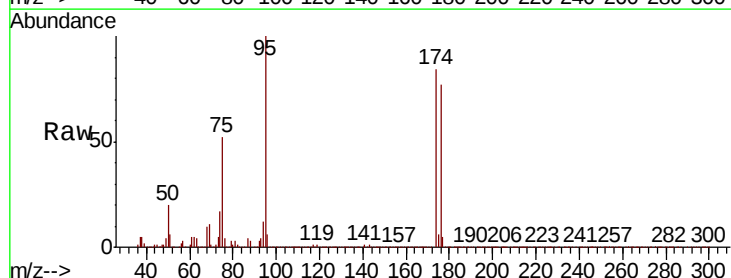
Tgt Ion: 95 Resp: 886541

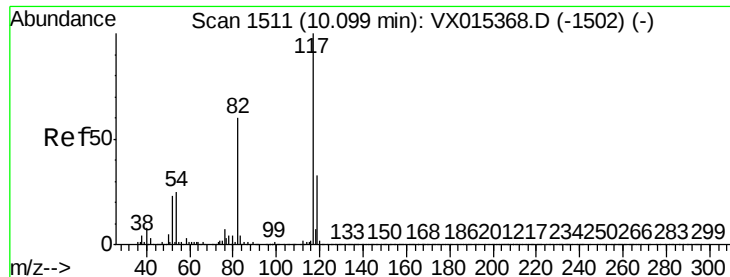
Ion Ratio Lower Upper

95 100

174 83.2 0.0 158.6

176 79.1 0.0 159.0

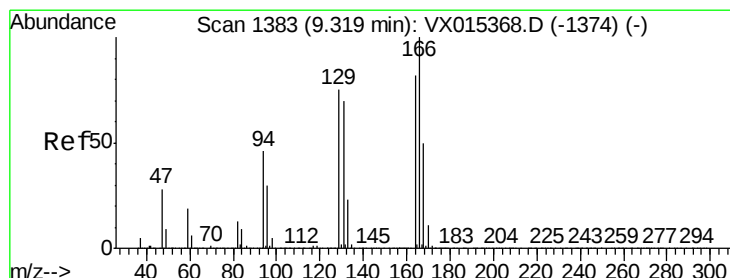
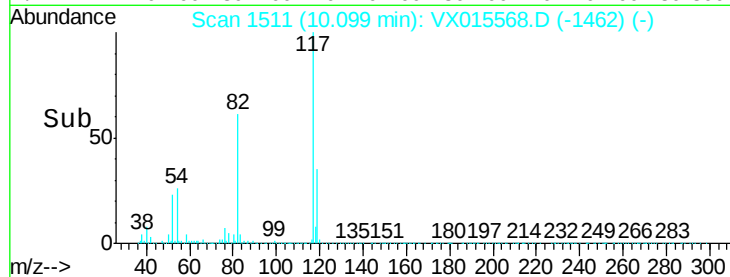
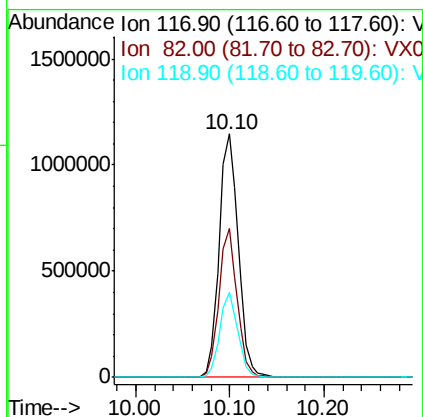
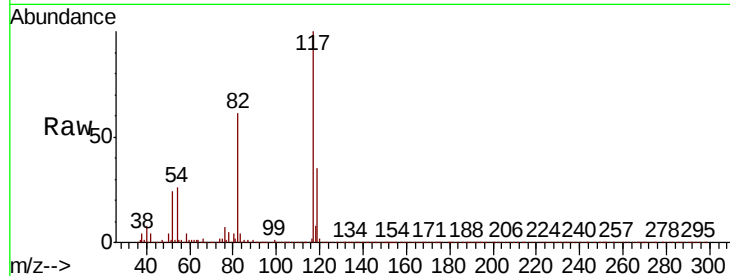




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

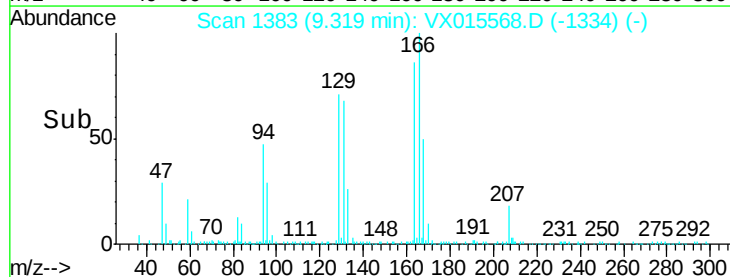
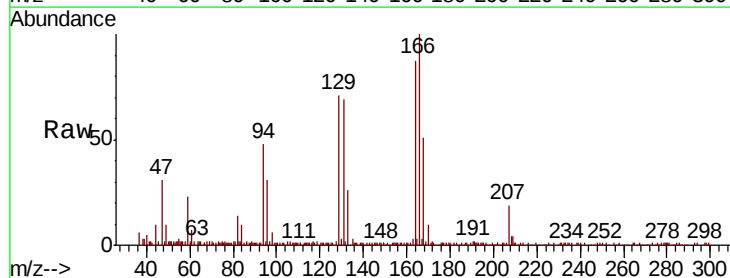
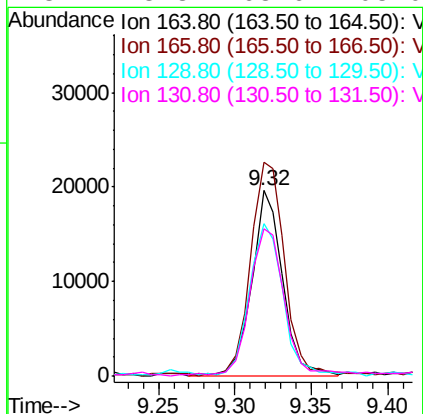
Instrument :
MSVOA_X
ClientSampleId :
KY062MW144-200406

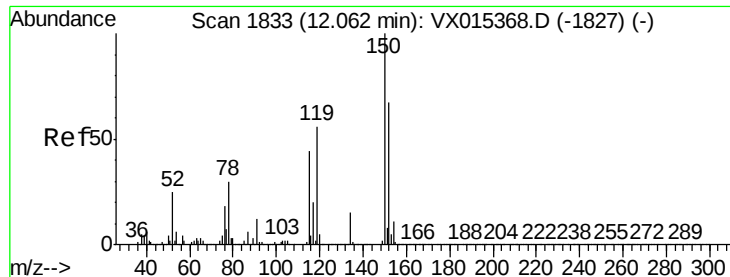
Tot Ion:117 Resp: 1617410
Ion Ratio Lower Upper
117 100
82 61.1 47.8 71.8
119 35.0 26.8 40.2



#64
Tetrachloroethene
Concen: 2.260 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015568.D
Acq: 08 Apr 2020 14:54

Tgt Ion:164 Resp: 27583
Ion Ratio Lower Upper
164 100
166 113.8 97.8 146.6
129 81.0 73.0 109.4
131 78.3 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: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

KY062MW144-200406

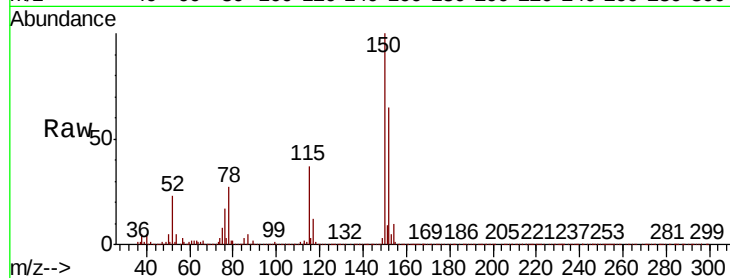
Tot Ion:152 Resp: 914098

Ion Ratio Lower Upper

152 100

115 57.6 39.0 116.9

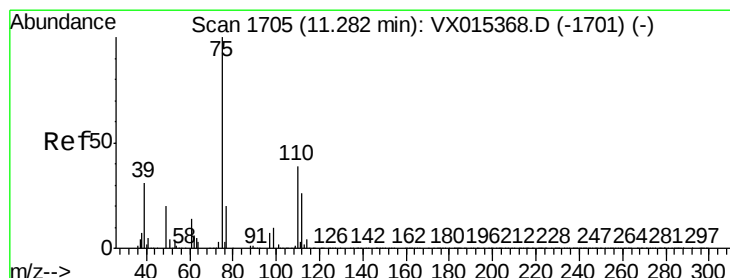
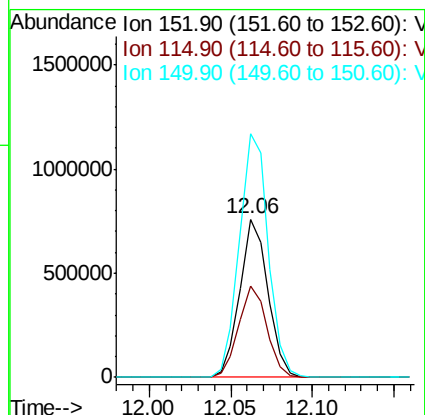
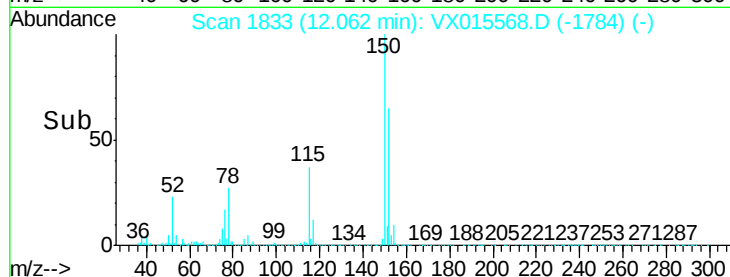
150 158.5 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.705 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015568.D

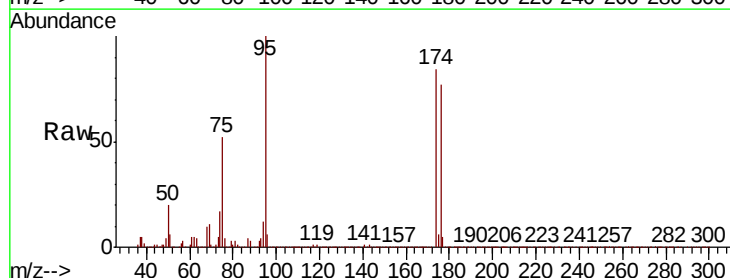
Acq: 08 Apr 2020 14:54

Tgt Ion: 75 Resp: 464399

Ion Ratio Lower Upper

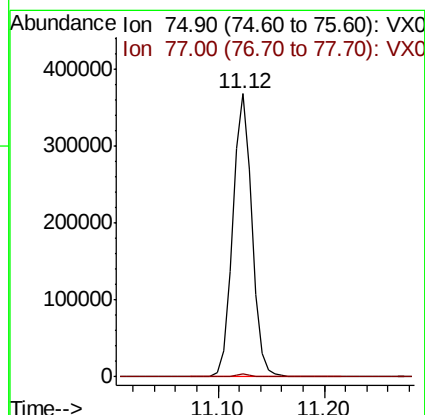
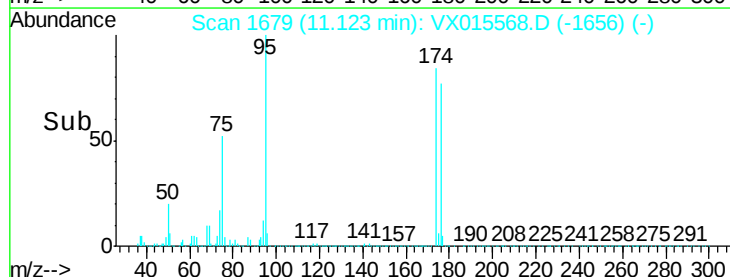
75 100

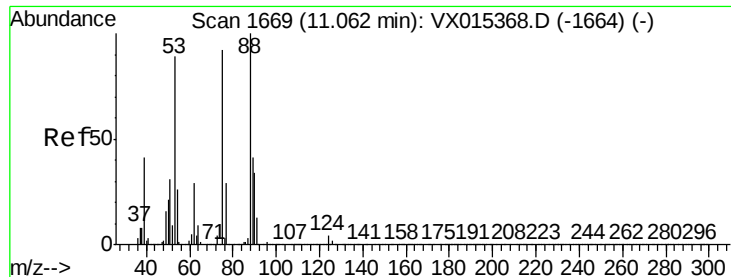
77 0.9 21.2 63.6#



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: 59.279 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015568.D

Acq: 08 Apr 2020 14:54

Instrument :

MSVOA_X

ClientSampleId :

KY062MW144-200406

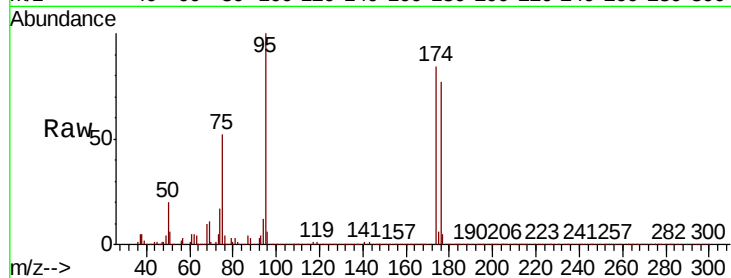
Tot Ion: 75 Resp: 464399

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.1 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

