

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015569.D
 Acq On : 08 Apr 2020 15:16
 Operator : JC/SP
 Sample : L2190-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW143-200406

Quant Time: Apr 09 06:21:02 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	1061312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1686180	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1663166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	898422	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	706470	47.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.40%	
35) Dibromofluoromethane	5.47	113	527474	48.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.88%	
50) Toluene-d8	8.70	98	2032889	51.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.12	95	878929	54.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.00%	

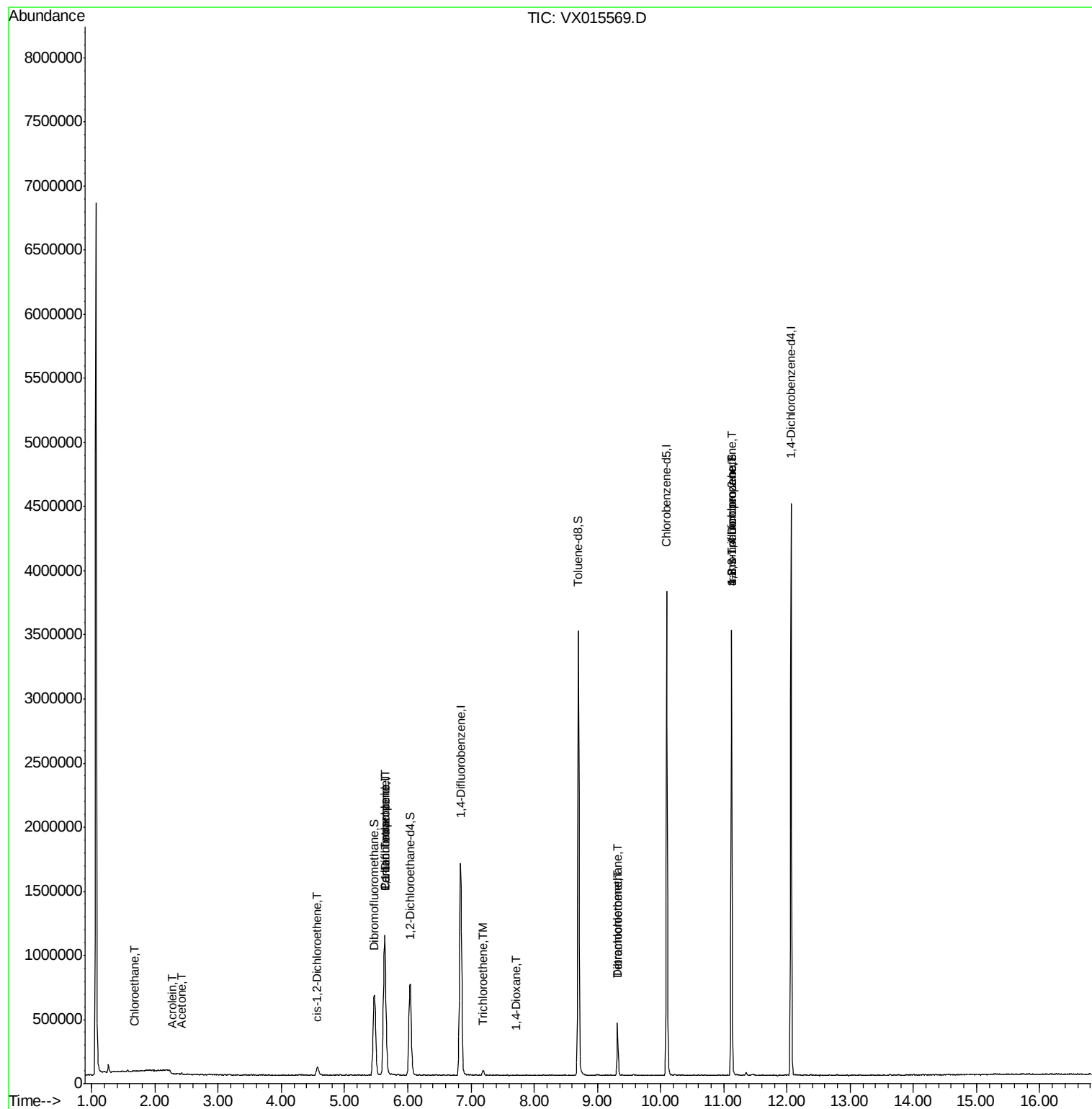
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	283	Below Cal		84
6) Chloroethane	1.69	64	2220	0.327	ug/l #	71
13) Acrolein	2.28	56	729	0.357	ug/l #	1
16) Acetone	2.42	43	12608	1.961	ug/l	90
27) cis-1,2-Dichloroethene	4.56	96	40634	3.158	ug/l	94
36) 1,1-Dichloropropene	5.64	75	77606	4.995	ug/l #	53
38) Carbon Tetrachloride	5.64	117	101516	6.033	ug/l #	16
44) Trichloroethene	7.20	130	17369	1.399	ug/l	83
49) 1,4-Dioxane	7.72	88	295	0.927	ug/l #	1
60) Dibromochloromethane	9.32	129	72946	5.281	ug/l #	12
64) Tetrachloroethene	9.32	164	78390	6.245	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	456603	24.714	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	456603	59.301	ug/l #	10

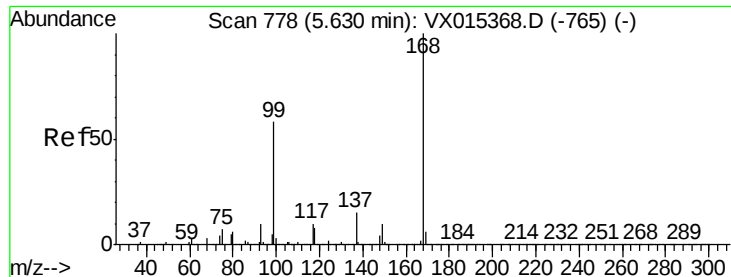
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

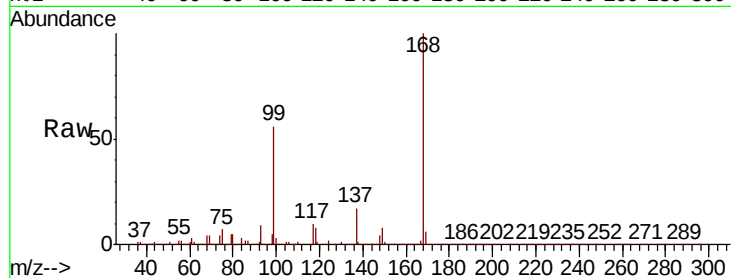
KY062MW143-200406

Tot Ion:168 Resp: 1061312

Ion Ratio Lower Upper

168 100

99 55.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

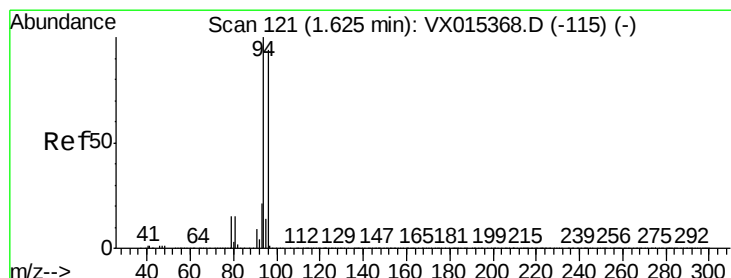
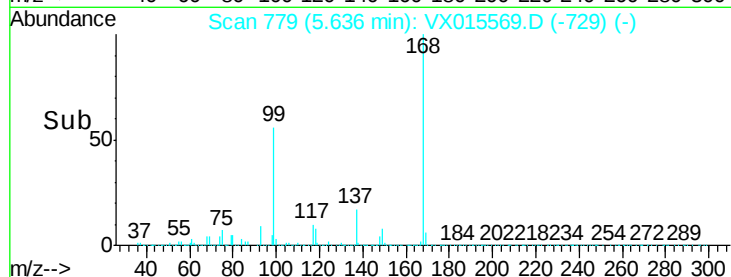
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015569.D

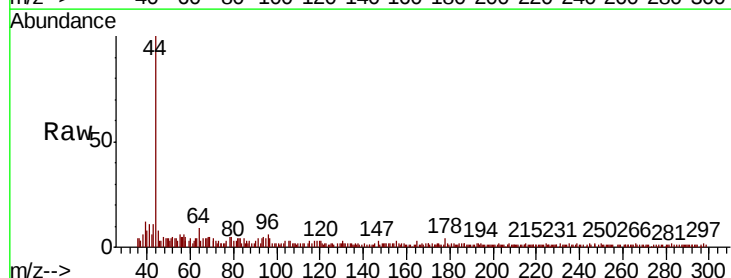
Acq: 08 Apr 2020 15:16

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

94 100

96 77.9 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

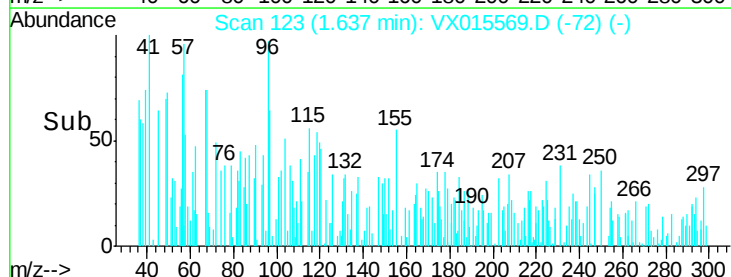
600

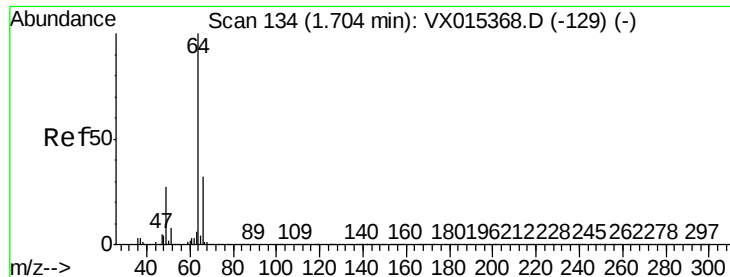
400

200

0

Time-->





#6

Chloroethane

Concen: 0.327 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

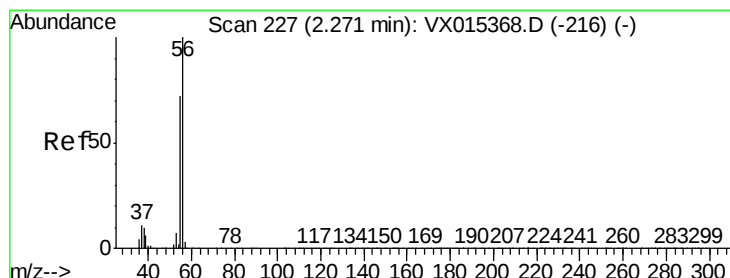
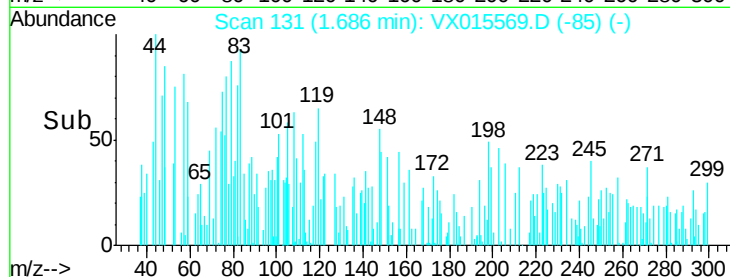
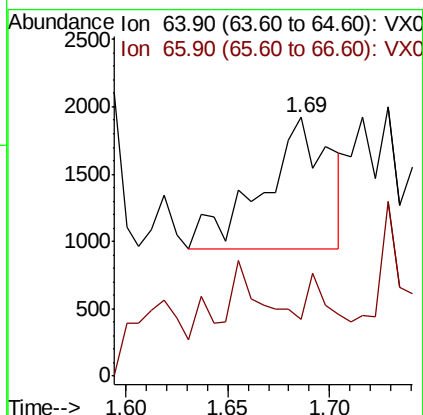
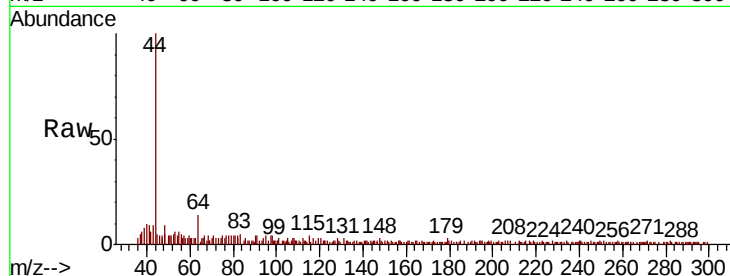
KY062MW143-200406

Tot Ion: 64 Resp: 2220

Ion Ratio Lower Upper

64 100

66 15.7 25.4 38.2#



#13

Acrolein

Concen: 0.357 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015569.D

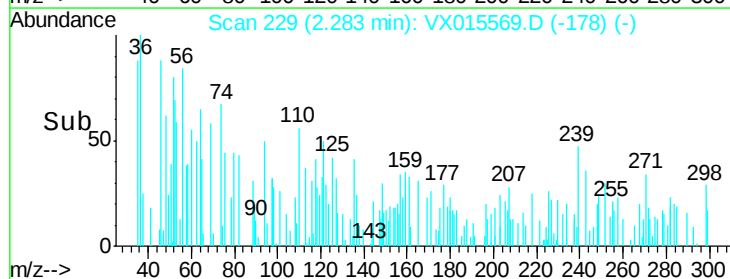
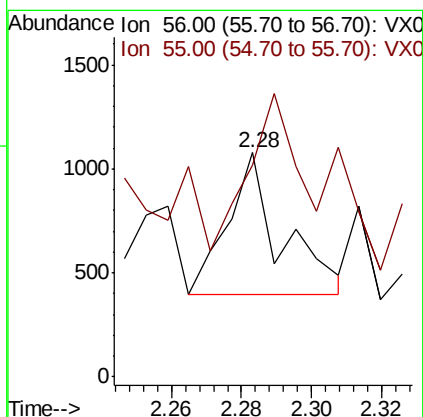
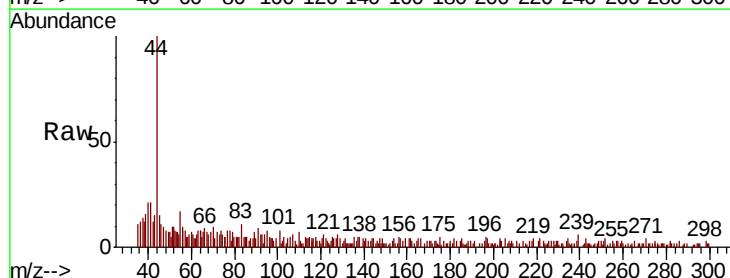
Acq: 08 Apr 2020 15:16

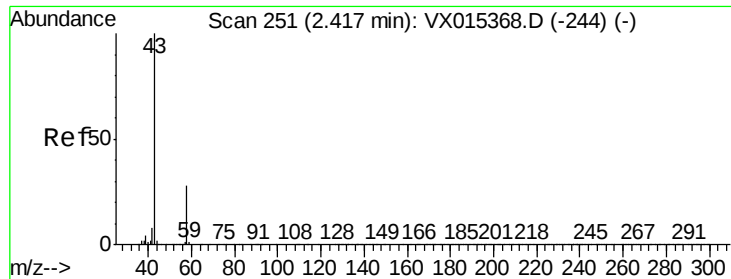
Tgt Ion: 56 Resp: 729

Ion Ratio Lower Upper

56 100

55 166.8 57.0 85.4#

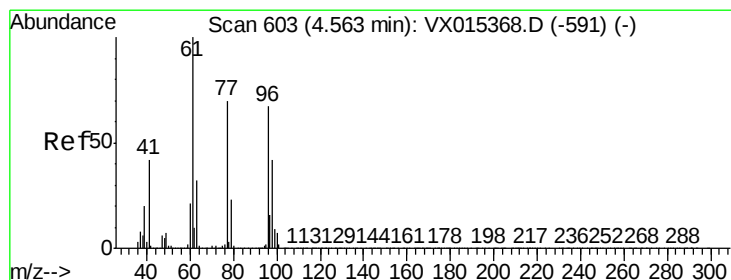
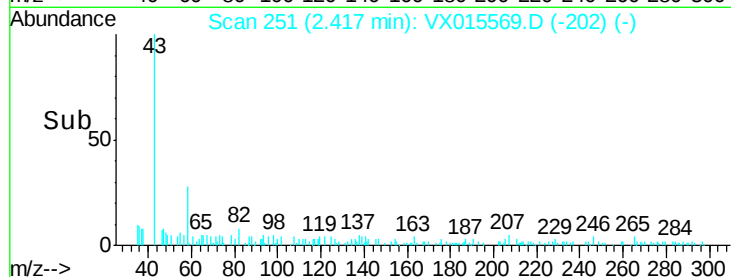
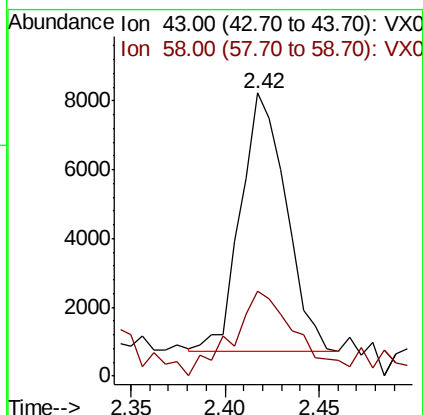
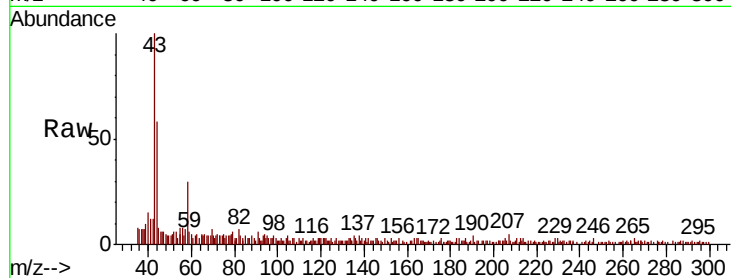




#16
Acetone
Concen: 1.961 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

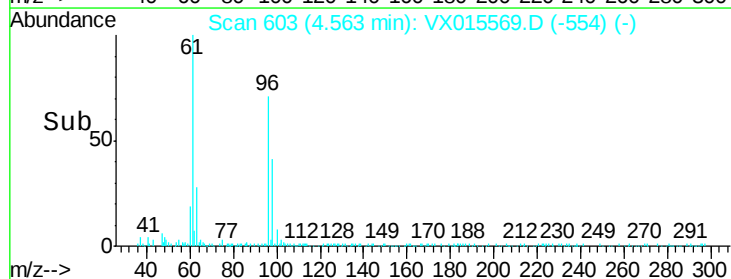
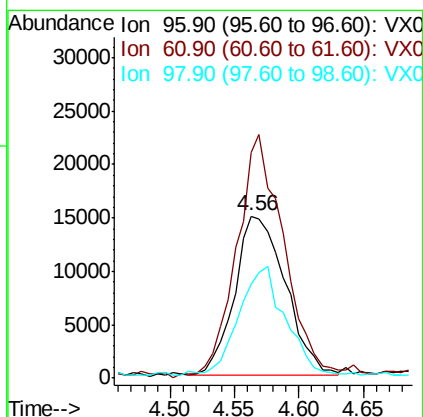
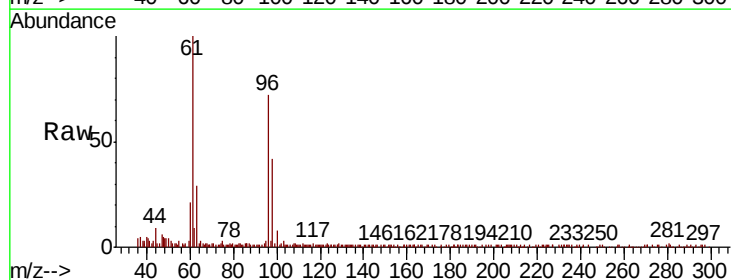
Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-200406

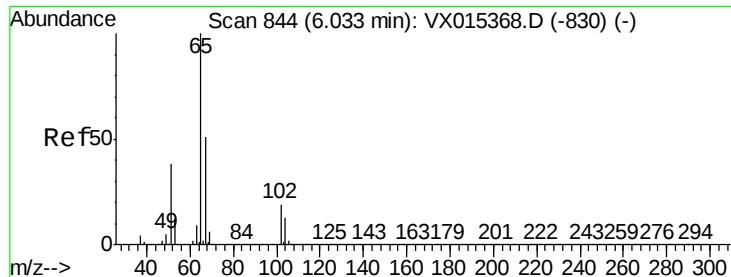
Tot Ion: 43 Resp: 12608
Ion Ratio Lower Upper
43 100
58 32.9 22.1 33.1



#27
cis-1,2-Dichloroethene
Concen: 3.158 ug/l
RT: 4.56 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

Tgt Ion: 96 Resp: 40634
Ion Ratio Lower Upper
96 100
61 143.7 0.0 308.4
98 64.0 0.0 129.2

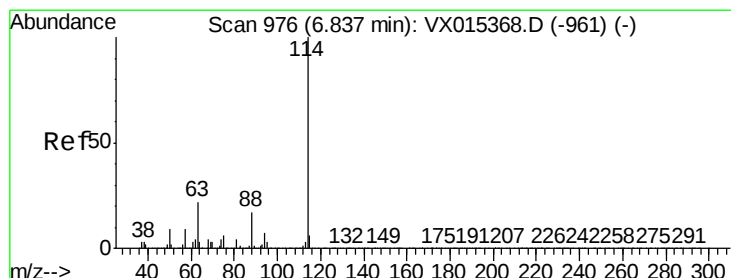
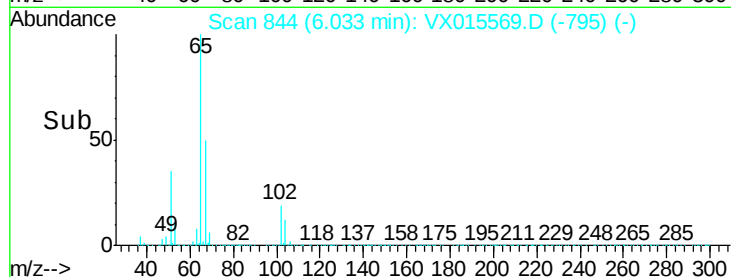
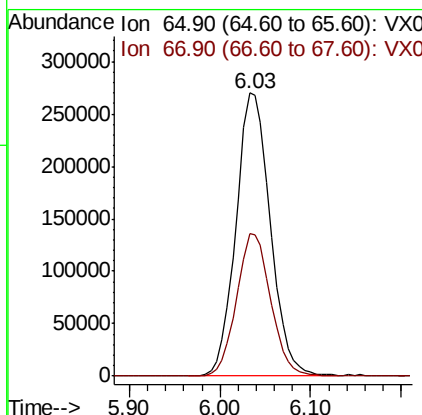
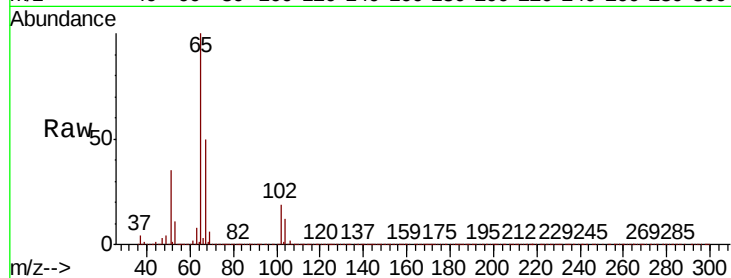




#33
 1,2-Dichloroethane-d4
 Concen: 47.197 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015569.D
 Acq: 08 Apr 2020 15:16

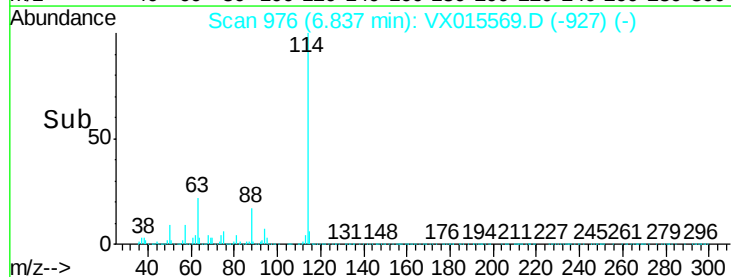
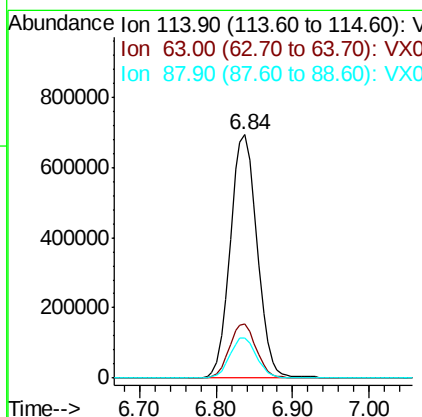
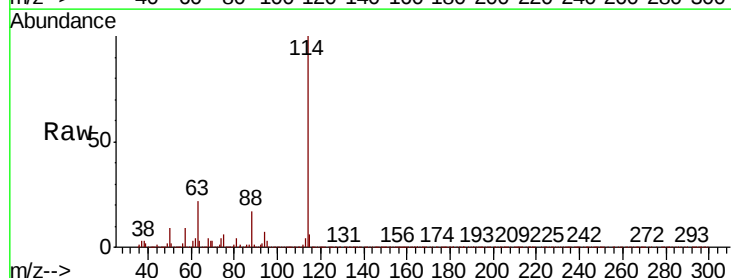
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW143-200406

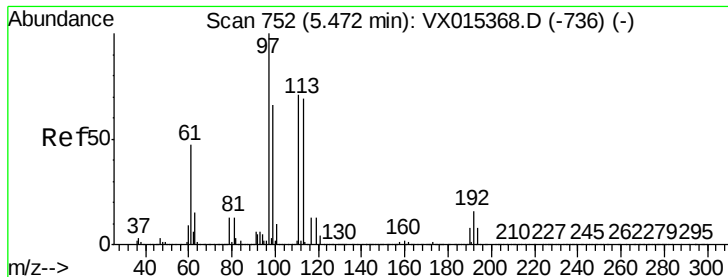
Tot Ion: 65 Resp: 706470
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015569.D
 Acq: 08 Apr 2020 15:16

Tgt Ion: 114 Resp: 1686180
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 16.7 0.0 33.8

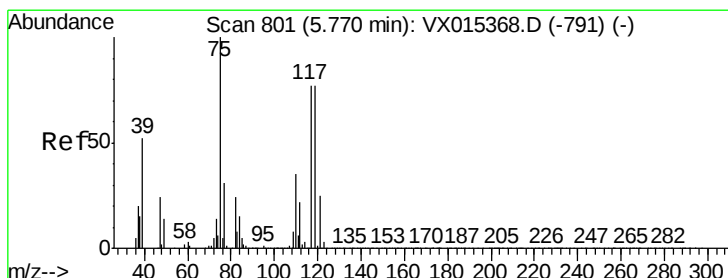
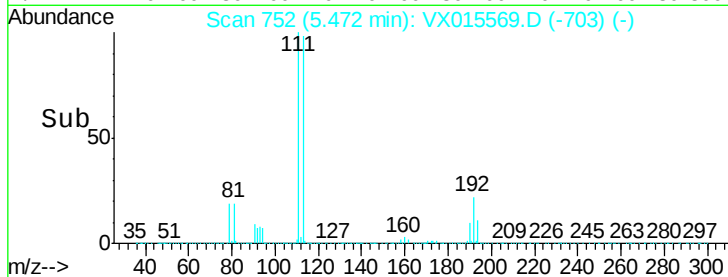
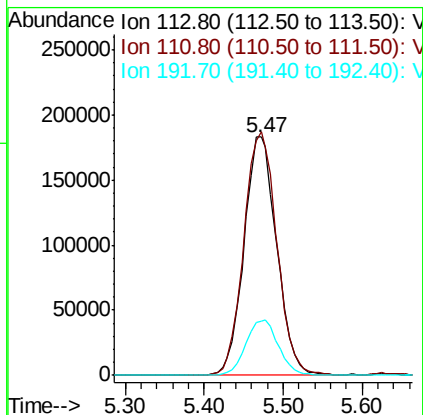
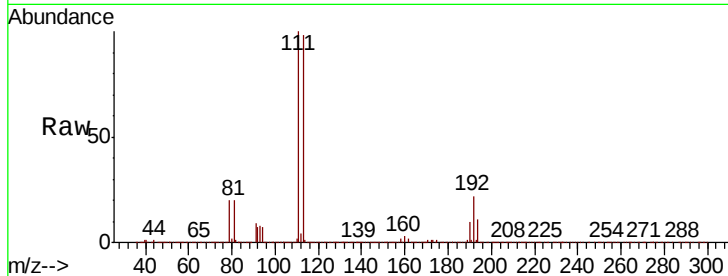




#35
Dibromofluoromethane
Concen: 48.937 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

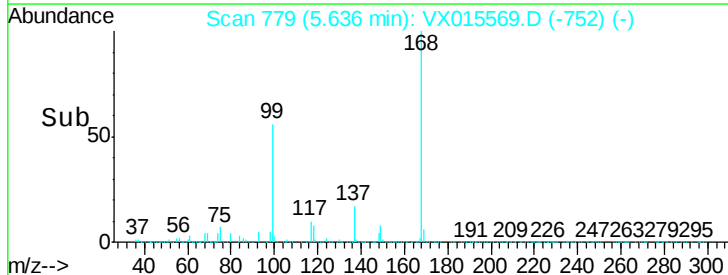
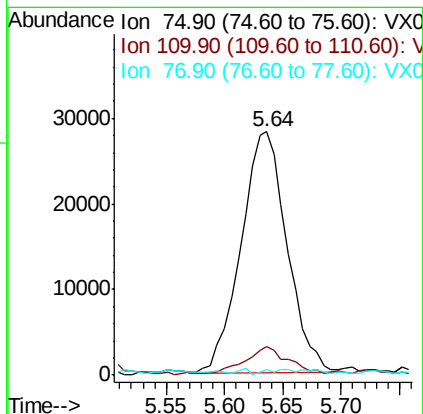
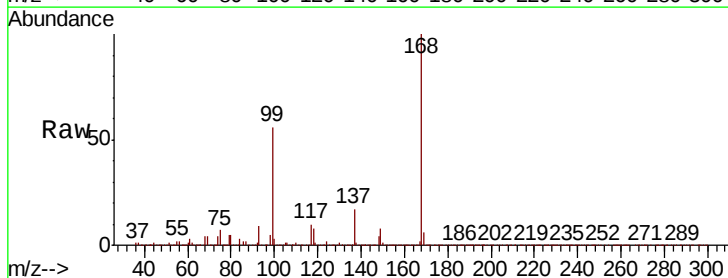
Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-200406

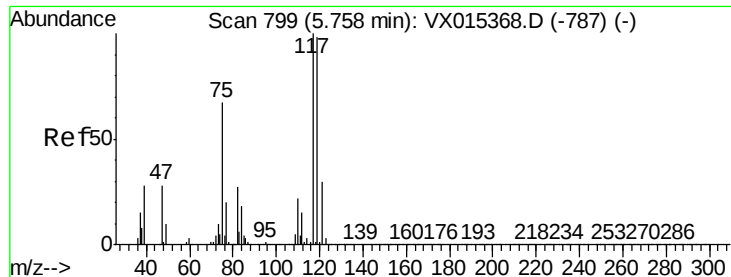
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.5	122.3
192	23.4	17.8	26.6



#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.13 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	17.1	51.3#
77	0.6	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.033 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

KY062MW143-200406

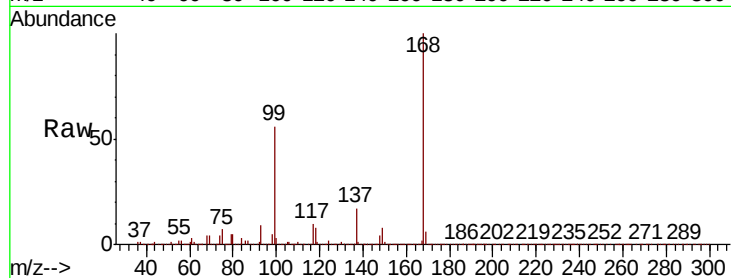
Tot Ion:117 Resp: 101516

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

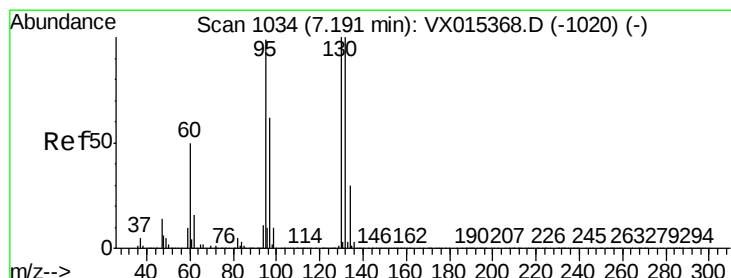
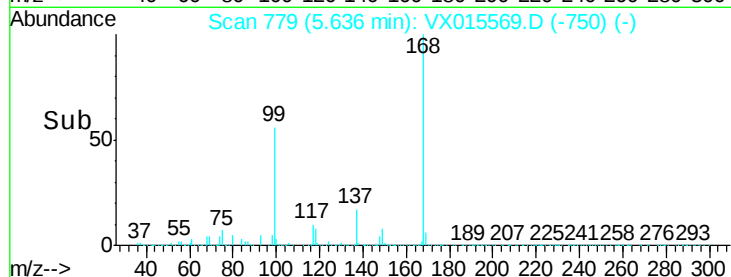
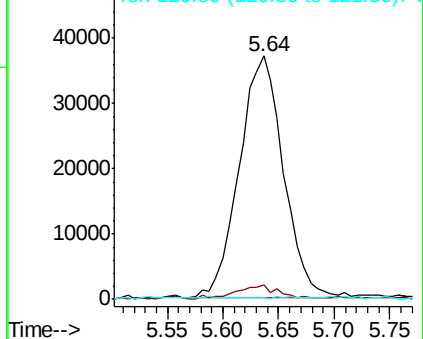
121 0.3 23.8 35.8#



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: 1.399 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015569.D

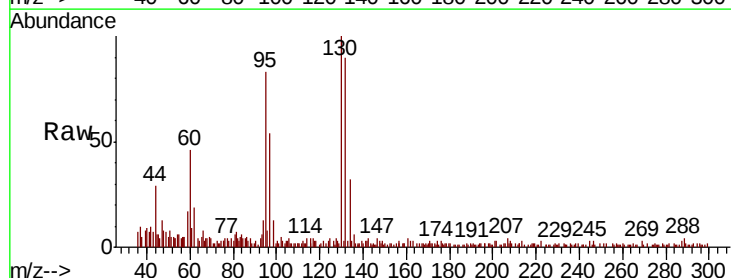
Acq: 08 Apr 2020 15:16

Tgt Ion:130 Resp: 17369

Ion Ratio Lower Upper

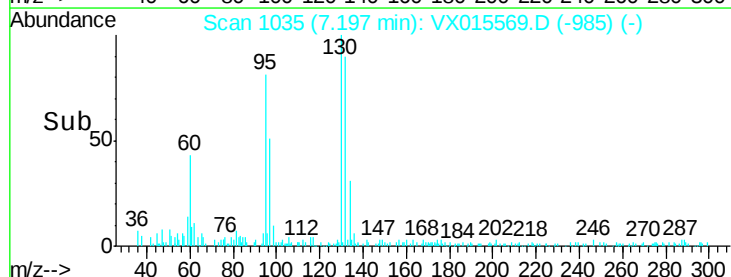
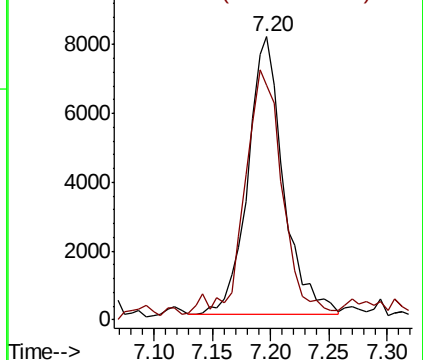
130 100

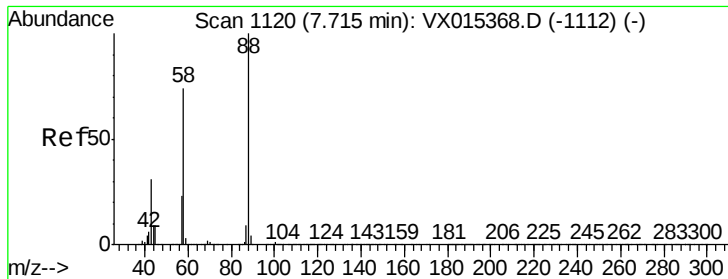
95 82.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.927 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

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KY062MW143-200406

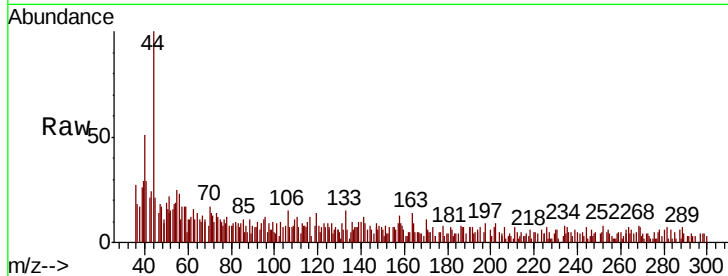
Tot Ion: 88 Resp: 295

Ion Ratio Lower Upper

88 100

43 339.0 30.1 45.1#

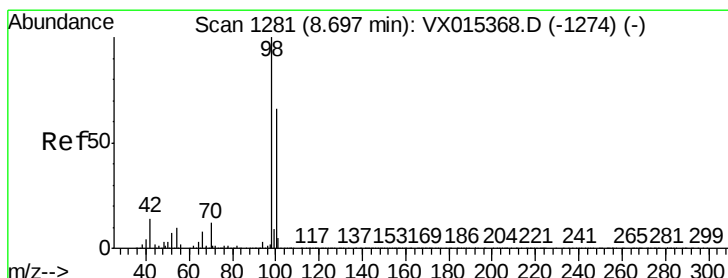
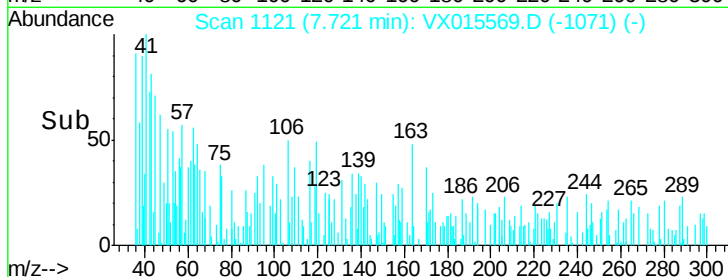
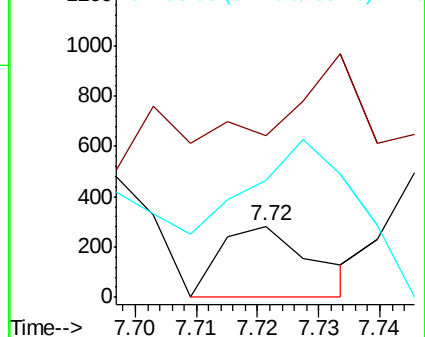
58 280.3 60.6 90.8#



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: 51.227 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015569.D

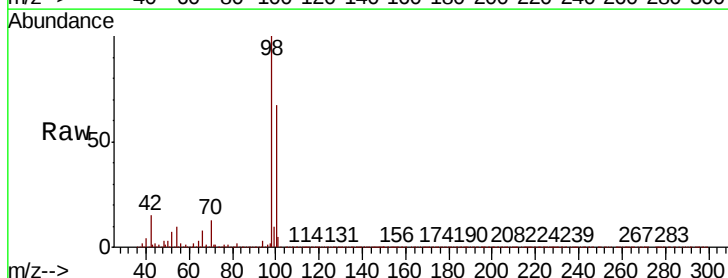
Acq: 08 Apr 2020 15:16

Tgt Ion: 98 Resp: 2032889

Ion Ratio Lower Upper

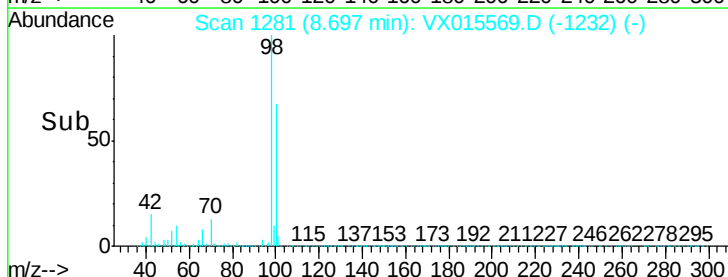
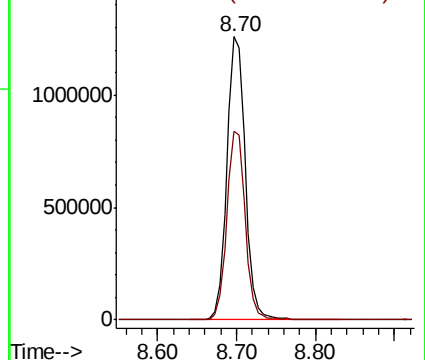
98 100

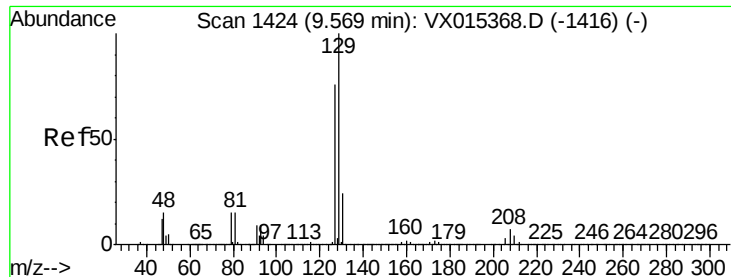
100 66.8 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 5.281 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

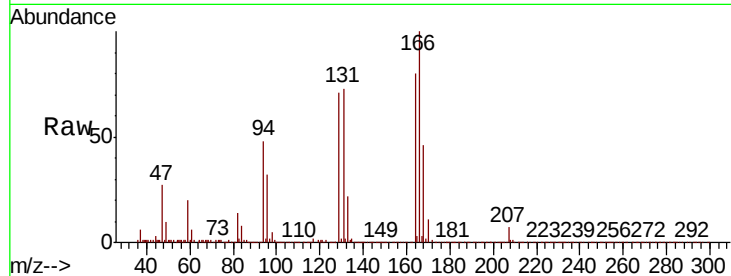
KY062MW143-200406

Tot Ion:129 Resp: 72946

Ion Ratio Lower Upper

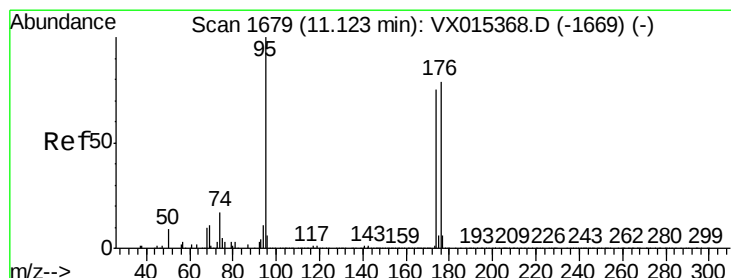
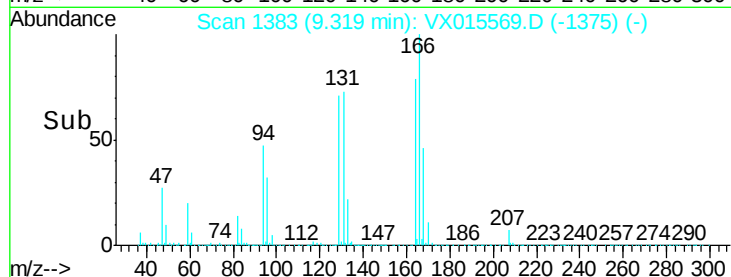
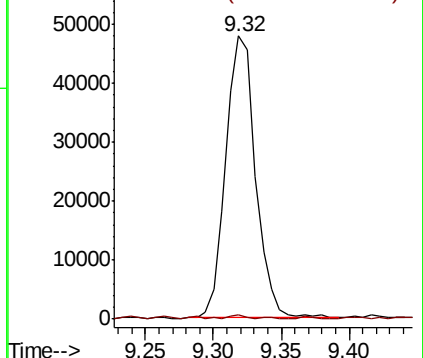
129 100

127 0.6 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: 54.499 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

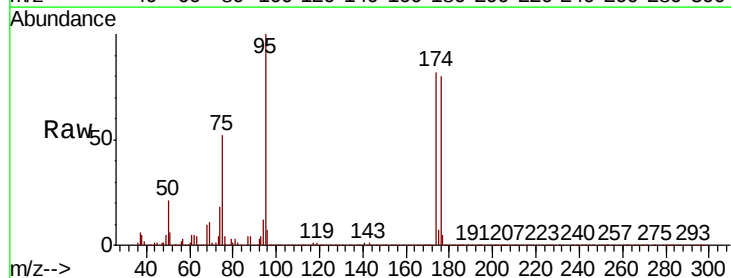
Tgt Ion: 95 Resp: 878929

Ion Ratio Lower Upper

95 100

174 82.3 0.0 158.6

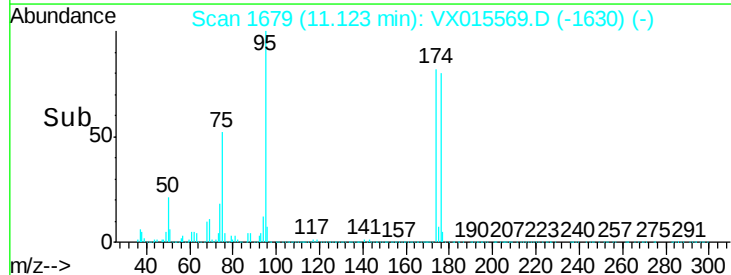
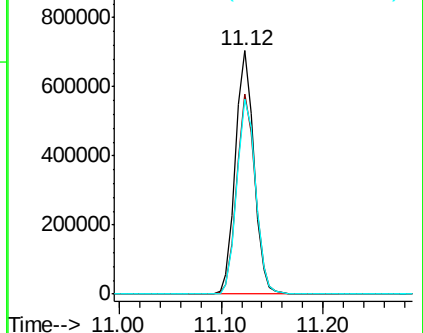
176 81.2 0.0 159.0

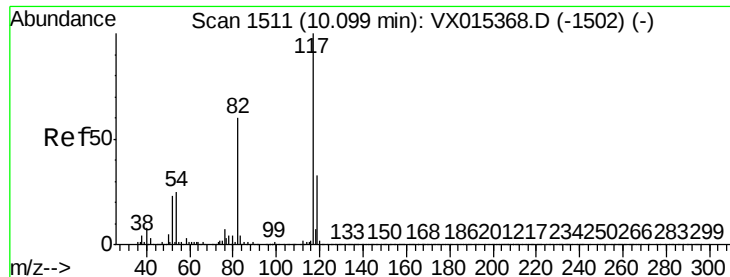


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

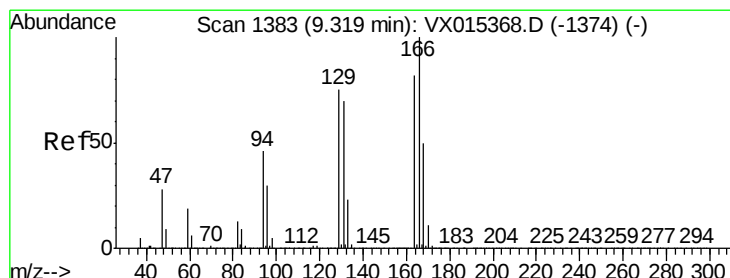
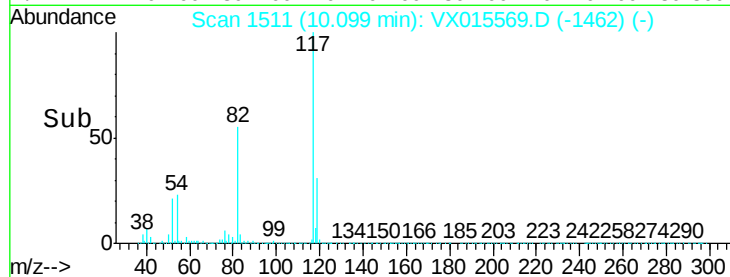
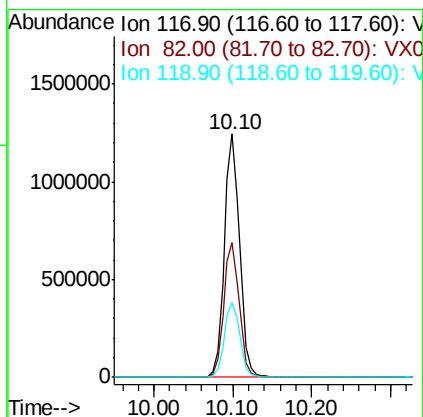
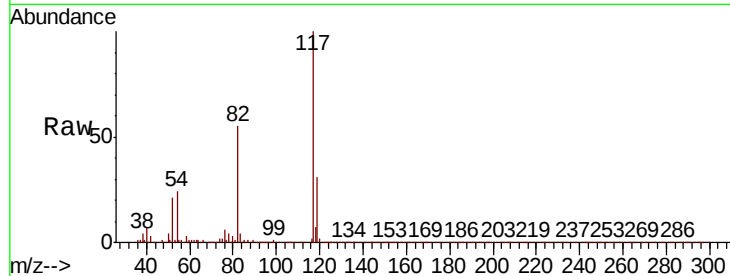




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

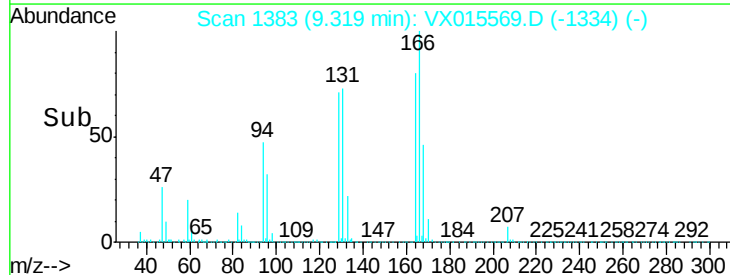
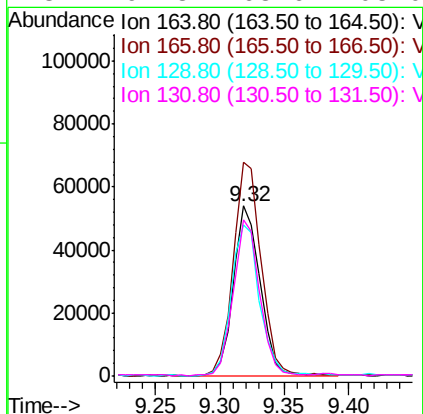
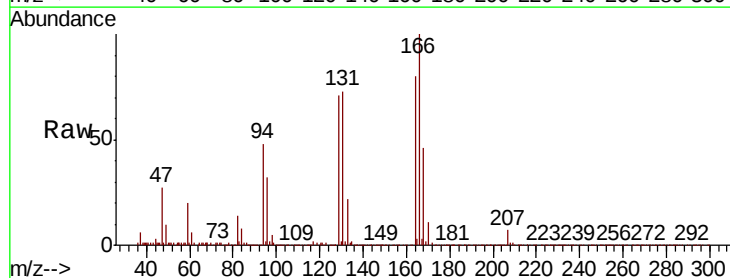
Instrument :
MSVOA_X
ClientSampleId :
KY062MW143-200406

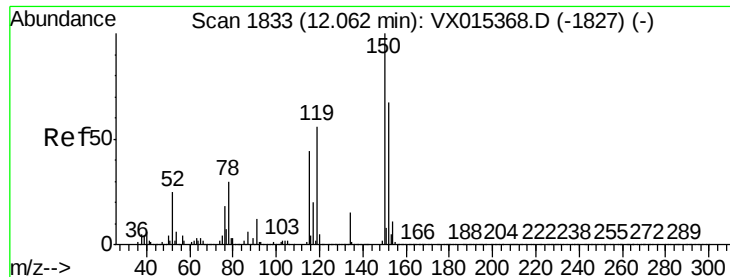
Tot Ion:117 Resp: 1663166
Ion Ratio Lower Upper
117 100
82 55.3 47.8 71.8
119 30.6 26.8 40.2



#64
Tetrachloroethene
Concen: 6.245 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015569.D
Acq: 08 Apr 2020 15:16

Tgt Ion:164 Resp: 78390
Ion Ratio Lower Upper
164 100
166 125.4 97.8 146.6
129 88.8 73.0 109.4
131 91.8 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: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

KY062MW143-200406

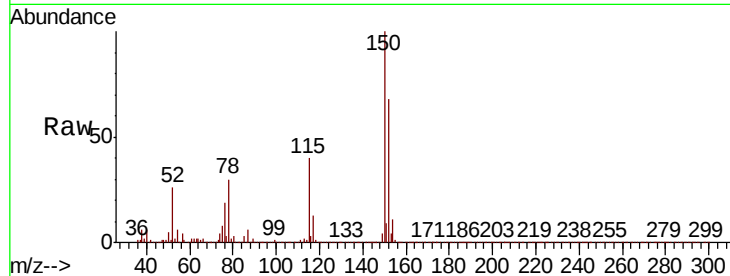
Tot Ion:152 Resp: 898422

Ion Ratio Lower Upper

152 100

115 57.5 39.0 116.9

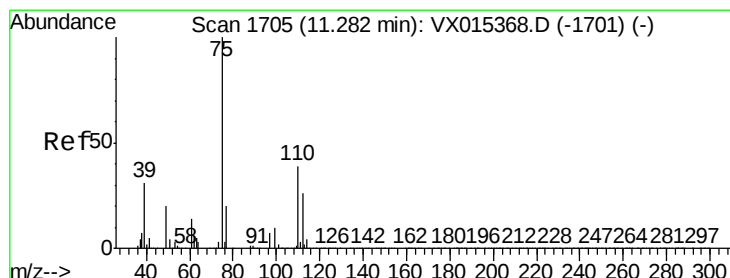
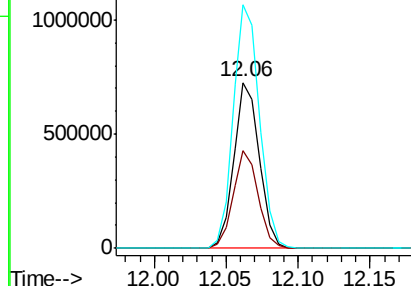
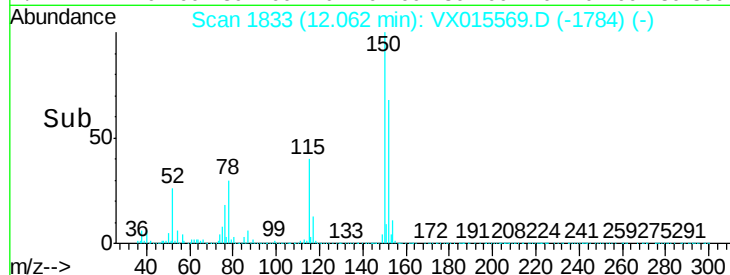
150 152.0 0.0 340.8



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: 24.714 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015569.D

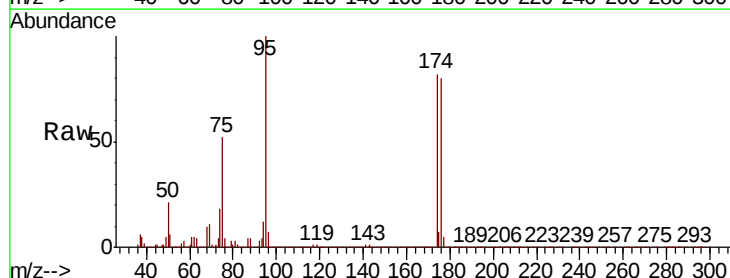
Acq: 08 Apr 2020 15:16

Tgt Ion: 75 Resp: 456603

Ion Ratio Lower Upper

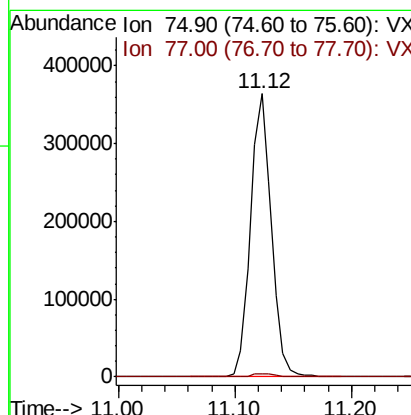
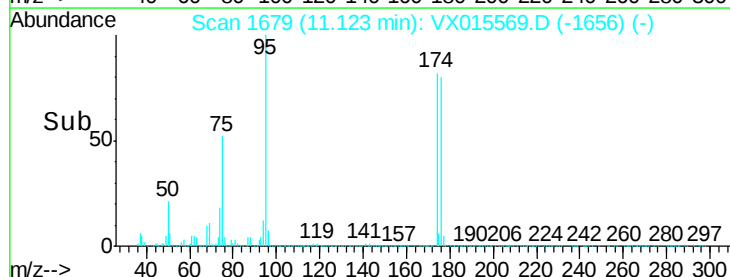
75 100

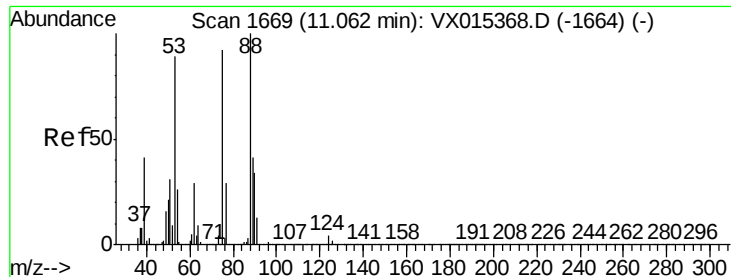
77 1.2 21.2 63.6#



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: 59.301 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015569.D

Acq: 08 Apr 2020 15:16

Instrument :

MSVOA_X

ClientSampleId :

KY062MW143-200406

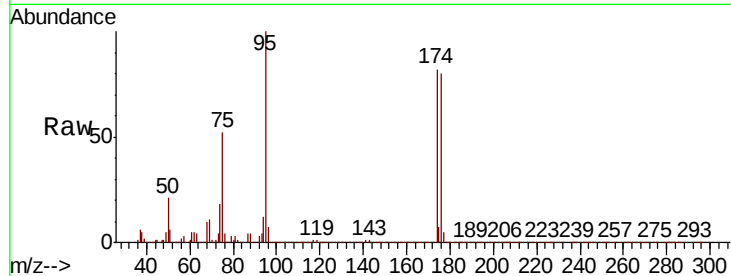
Tot Ion: 75 Resp: 456603

Ion Ratio Lower Upper

75 100

53 0.0 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

