

Data File : VX015594.D
Acq On : 09 Apr 2020 14:16
Operator : JC/SP
Sample : L2190-08 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-200407

Quant Time: Apr 10 04:47:01 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	1071015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1698643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1604935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	894568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	709369	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.47	113	528759	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.70	98	2029324	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	871716	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

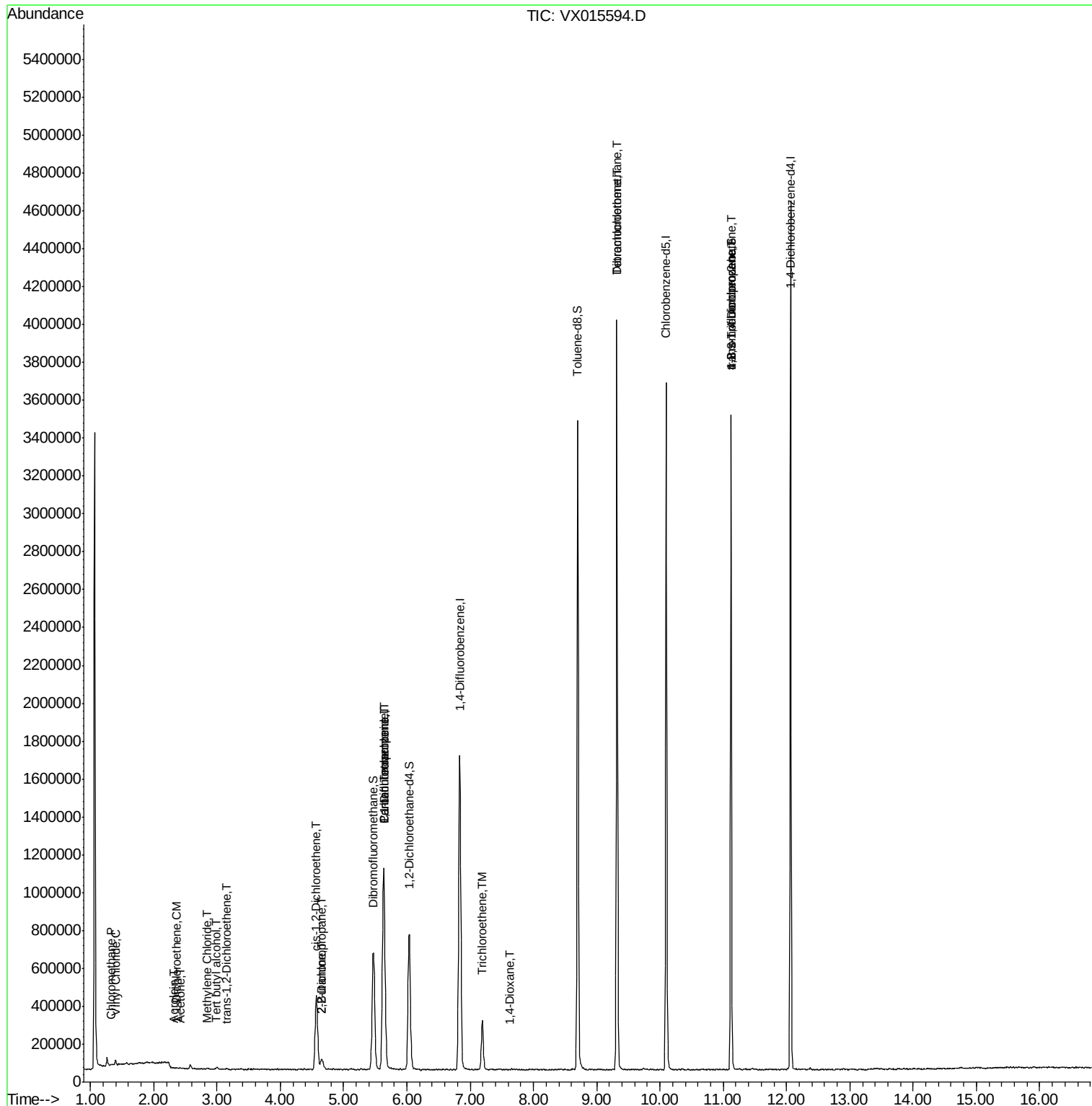
						Qvalue
3) Chloromethane	1.31	50	2501	0.208	ug/l #	73
4) Vinyl Chloride	1.39	62	14663	1.329	ug/l	100
5) Bromomethane	1.65	94	995	Below Cal		100
11) Tert butyl alcohol	3.00	59	10684	2.955	ug/l #	88
12) 1,1-Dichloroethene	2.37	96	2233	0.221	ug/l #	36
13) Acrolein	2.32	56	495	0.240	ug/l	87
16) Acetone	2.42	43	6011	0.926	ug/l #	78
20) Methylene Chloride	2.84	84	3102	0.256	ug/l #	68
21) trans-1,2-Dichloroethene	3.15	96	2777	0.247	ug/l #	80
25) 2-Butanone	4.66	43	6560	0.629	ug/l #	52
26) 2,2-Dichloropropane	4.65	77	3686	0.204	ug/l	78
27) cis-1,2-Dichloroethene	4.57	96	243513	18.756	ug/l	92
36) 1,1-Dichloropropene	5.63	75	77107	4.927	ug/l #	52
38) Carbon Tetrachloride	5.64	117	104755	6.180	ug/l #	14
44) Trichloroethene	7.20	130	102613	8.207	ug/l	91
49) 1,4-Dioxane	7.62	88	782	2.440	ug/l	94
60) Dibromochloromethane	9.32	129	702584	50.489	ug/l #	11
64) Tetrachloroethene	9.32	164	782231	64.583	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	453328	24.643	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	453328	59.129	ug/l #	10

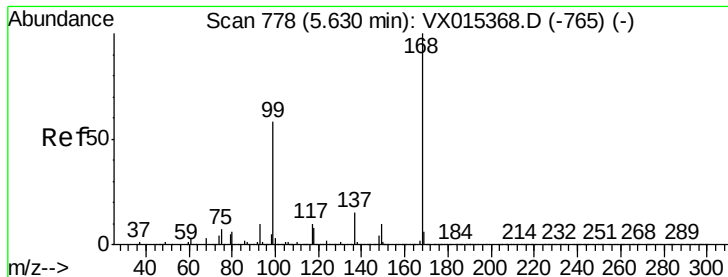
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

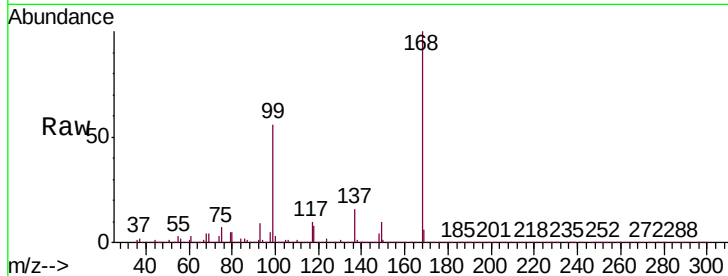
KY062MW146-200407

Tgt Ion:168 Resp: 1071015

Ion Ratio Lower Upper

168 100

99 55.8 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

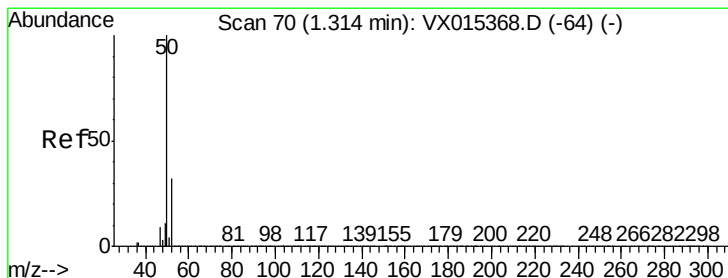
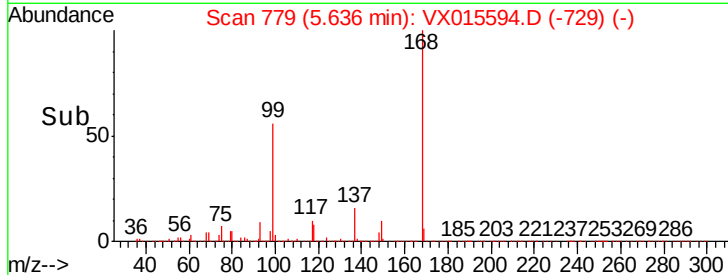
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.208 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015594.D

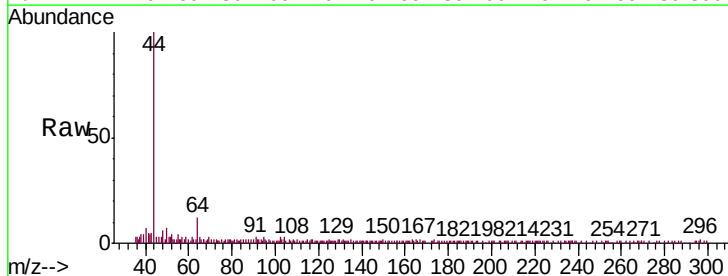
Acq: 09 Apr 2020 14:16

Tgt Ion: 50 Resp: 2501

Ion Ratio Lower Upper

50 100

52 46.8 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

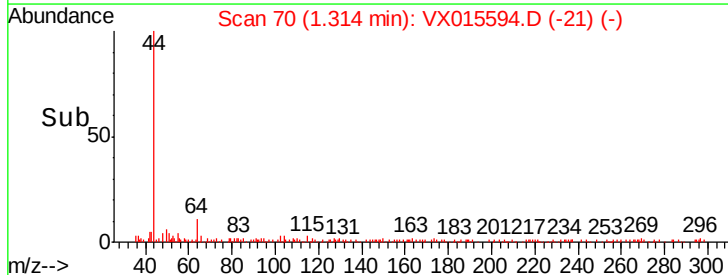
1500

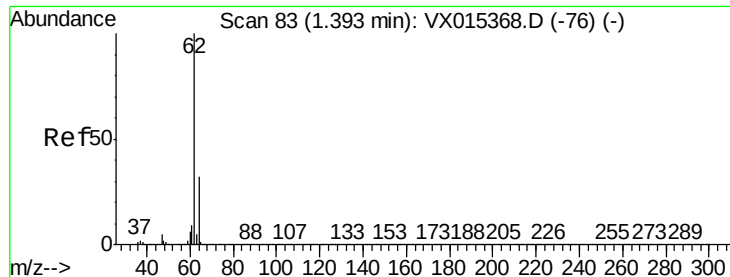
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 1.329 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

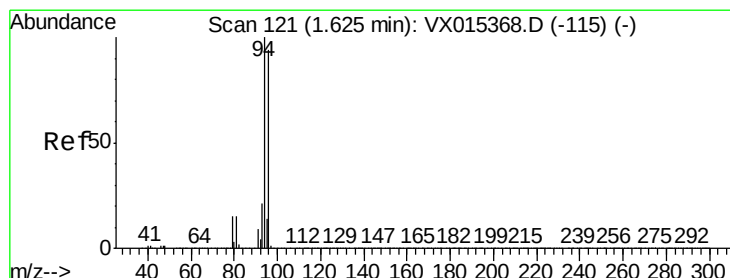
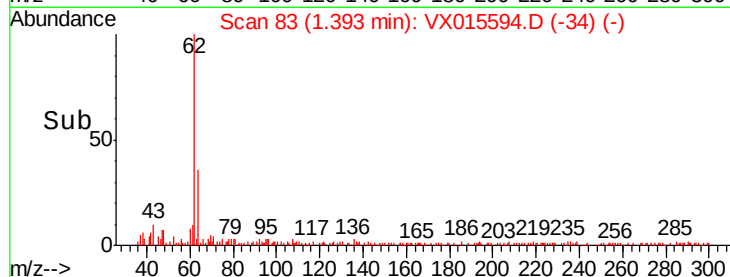
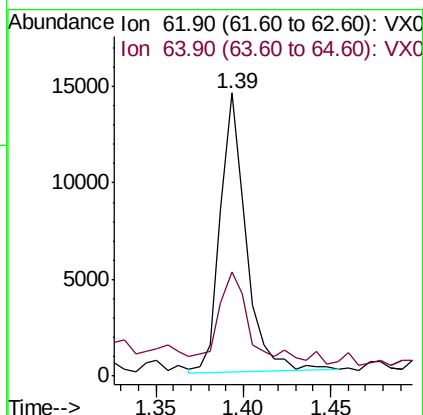
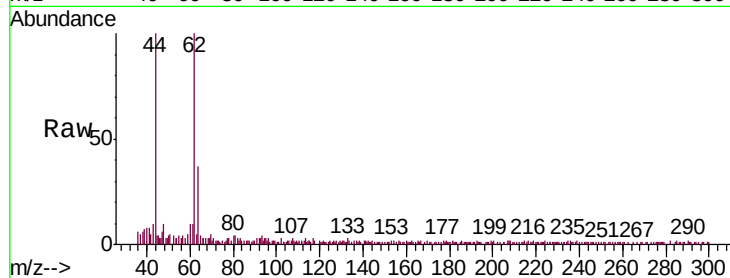
KY062MW146-200407

Tgt Ion: 62 Resp: 14663

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 125

Delta R.T. 0.03 min

Lab File: VX015594.D

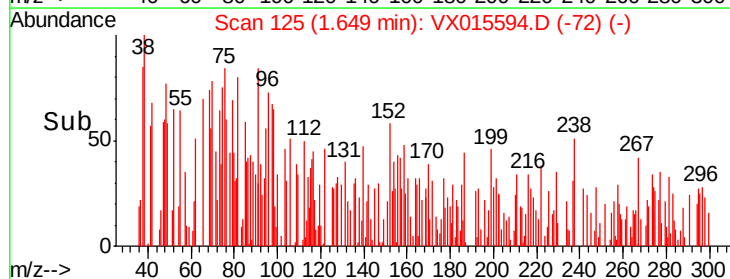
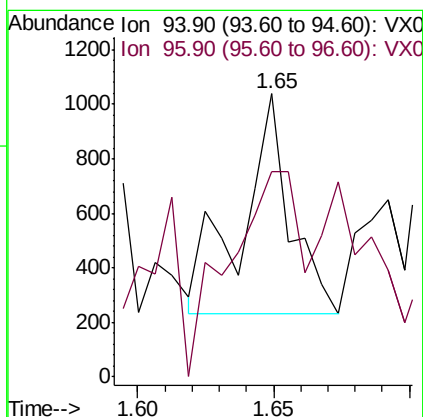
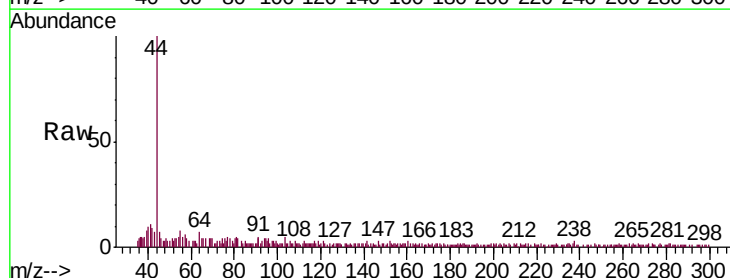
Acq: 09 Apr 2020 14:16

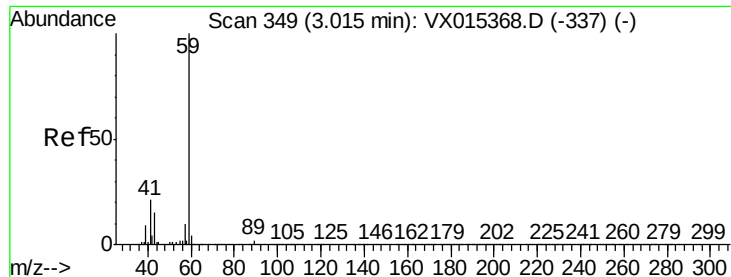
Tgt Ion: 94 Resp: 995

Ion Ratio Lower Upper

94 100

96 93.6 74.8 112.2





#11

Tert butyl alcohol

Concen: 2.955 ug/l

RT: 3.00 min Scan# 346

Delta R.T. -0.02 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

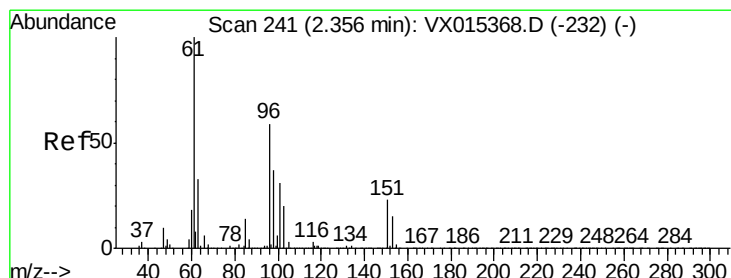
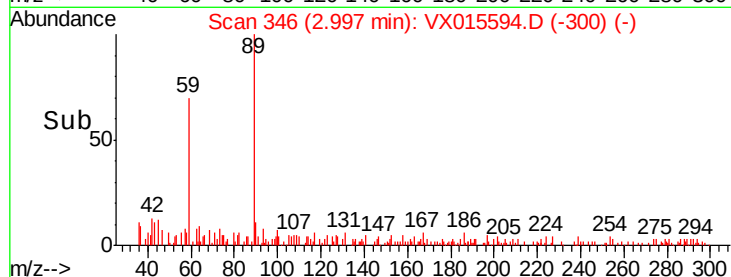
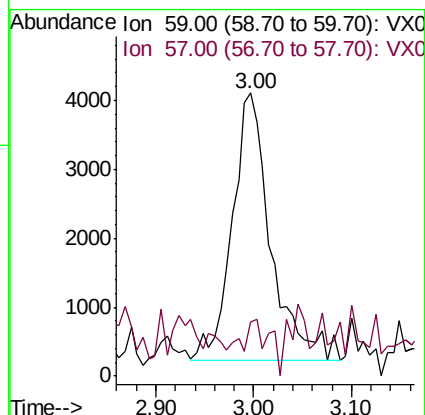
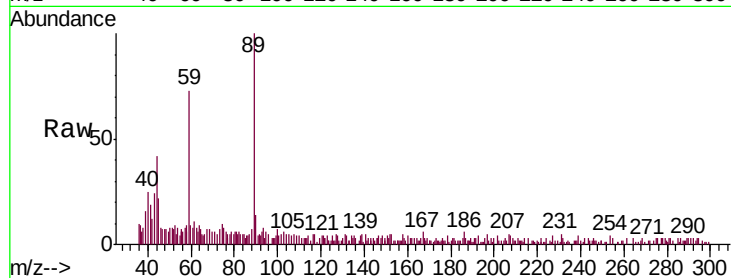
KY062MW146-200407

Tgt Ion: 59 Resp: 10684

Ion Ratio Lower Upper

59 100

57 14.4 8.1 12.1#



#12

1,1-Dichloroethene

Concen: 0.221 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

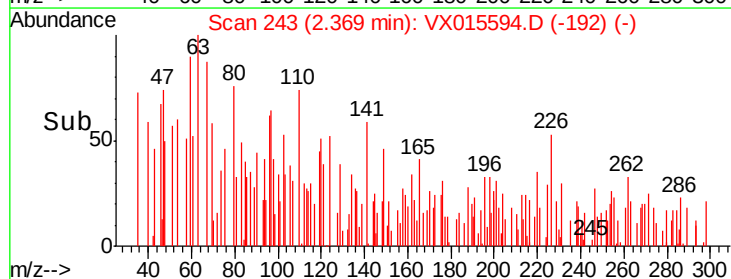
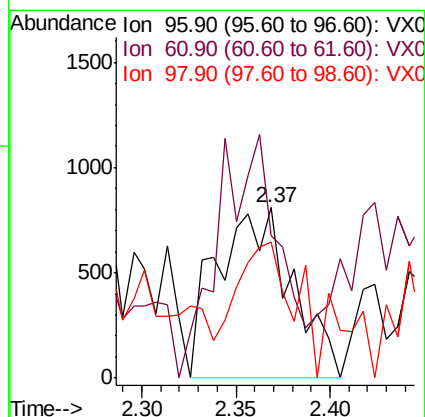
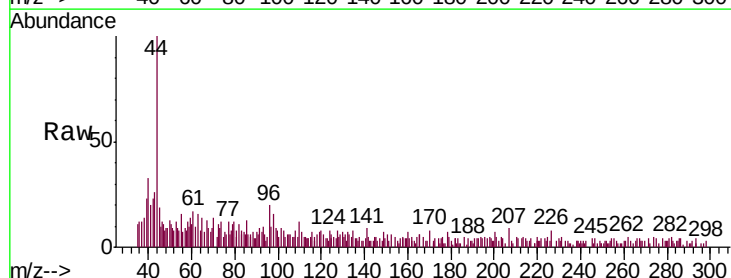
Tgt Ion: 96 Resp: 2233

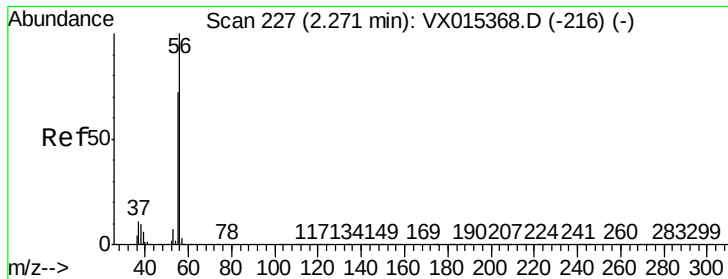
Ion Ratio Lower Upper

96 100

61 56.5 135.7 203.5#

98 51.7 50.6 75.8

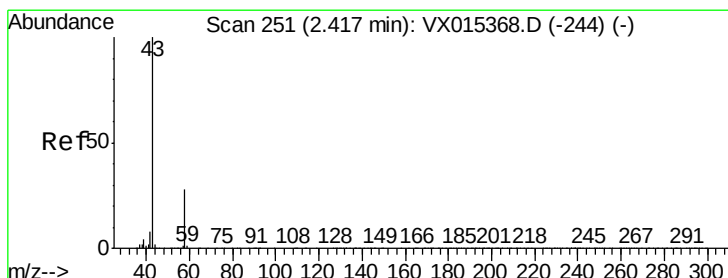
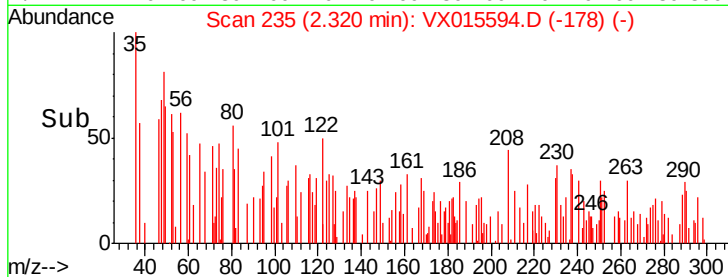
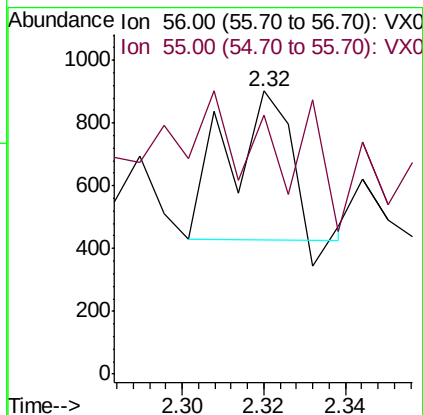
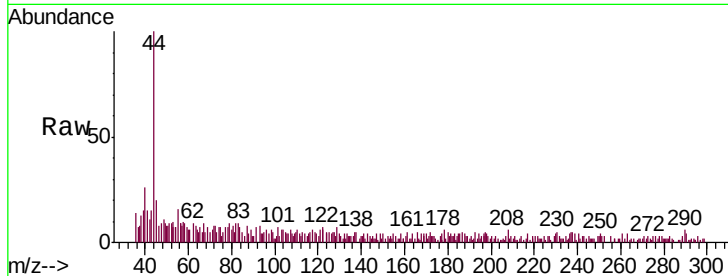




#13
Acrolein
Concen: 0.240 ug/l
RT: 2.32 min Scan# 235
Delta R.T. 0.05 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

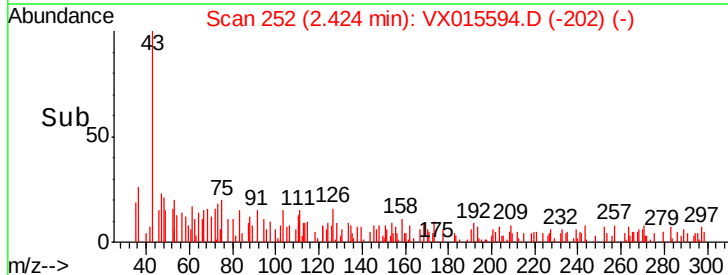
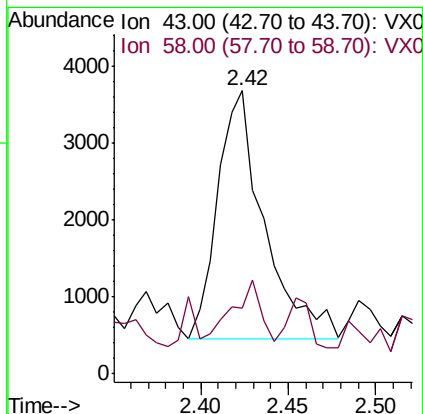
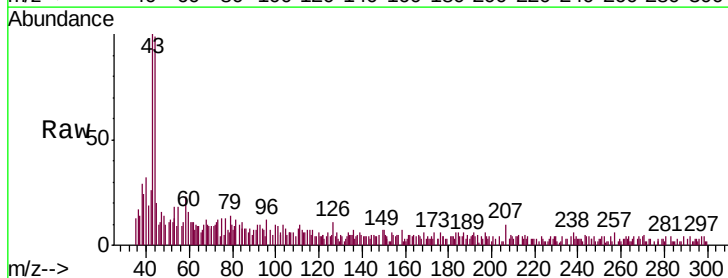
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-200407

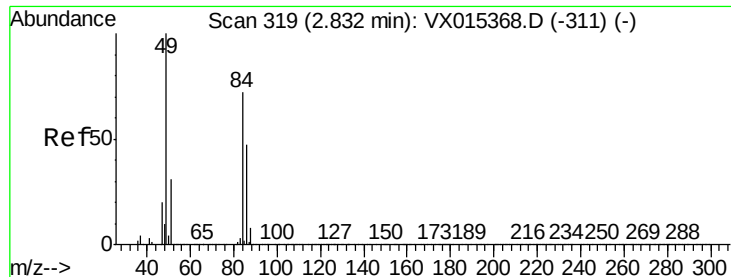
Tgt Ion: 56 Resp: 495
Ion Ratio Lower Upper
56 100
55 60.2 57.0 85.4



#16
Acetone
Concen: 0.926 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

Tgt Ion: 43 Resp: 6011
Ion Ratio Lower Upper
43 100
58 15.9 22.1 33.1#

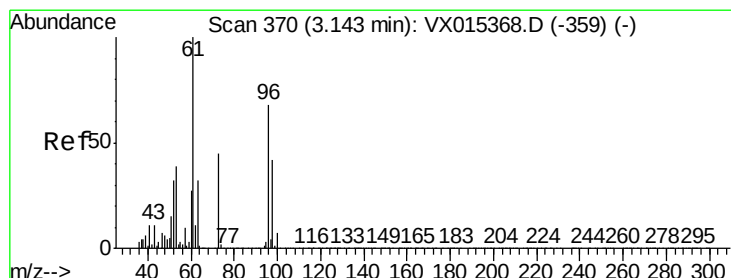
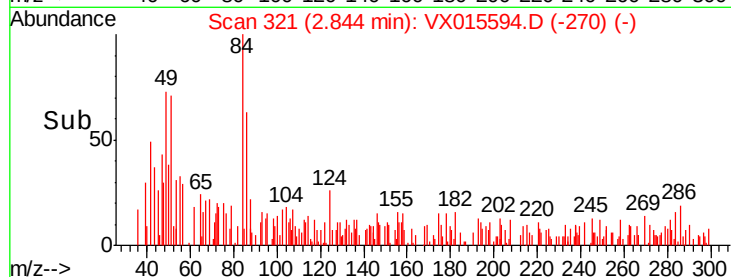
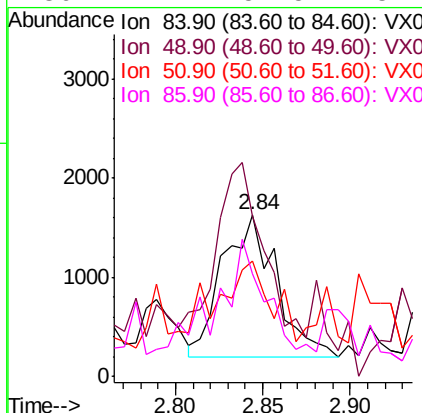
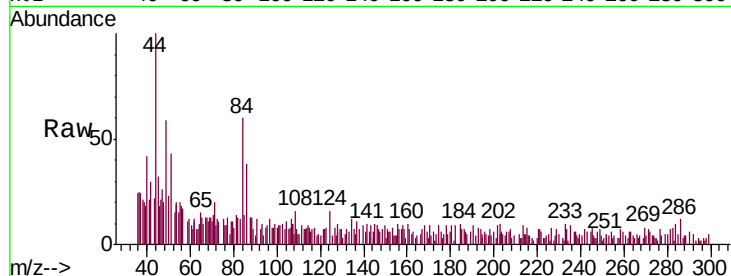




#20
Methylene Chloride
Concen: 0.256 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

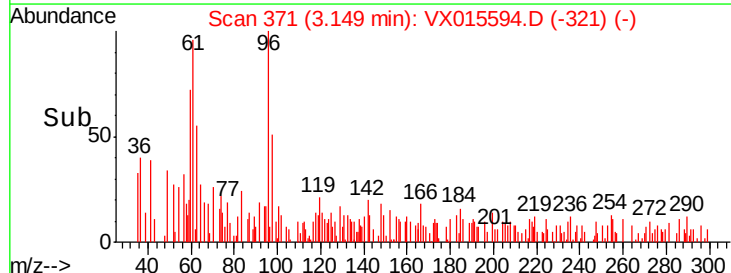
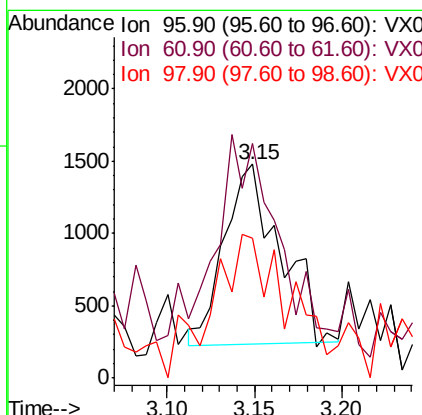
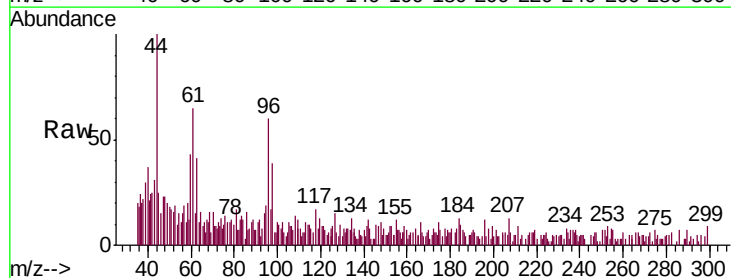
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-200407

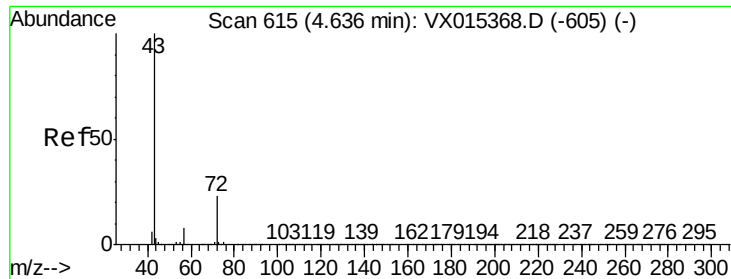
Tgt Ion:	84	Resp:	3102
Ion	Ratio	Lower	Upper
84	100		
49	93.8	111.3	166.9#
51	53.1	34.0	51.0#
86	42.4	52.5	78.7#



#21
trans-1,2-Dichloroethene
Concen: 0.247 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.01 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

Tgt Ion:	96	Resp:	2777
Ion	Ratio	Lower	Upper
96	100		
61	113.9	116.9	175.3#
98	65.1	48.6	73.0





#25

2-Butanone

Concen: 0.629 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

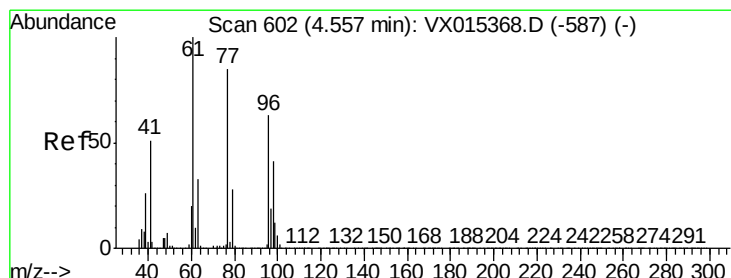
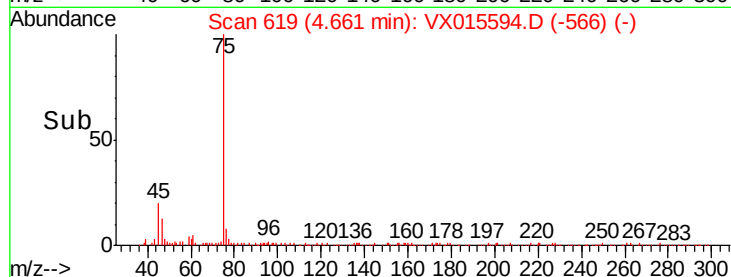
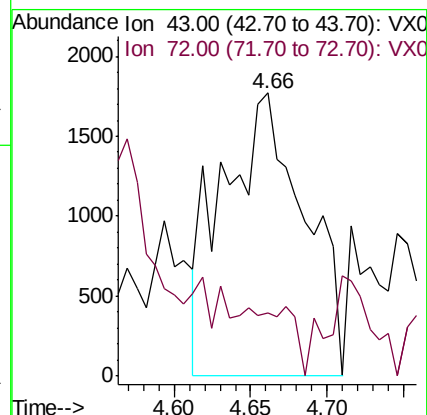
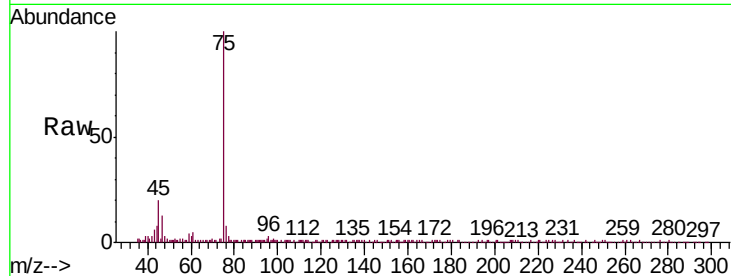
KY062MW146-200407

Tgt Ion: 43 Resp: 6560

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.4#



#26

2,2-Dichloropropane

Concen: 0.204 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.10 min

Lab File: VX015594.D

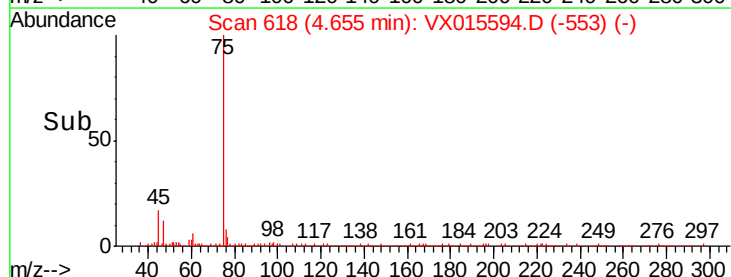
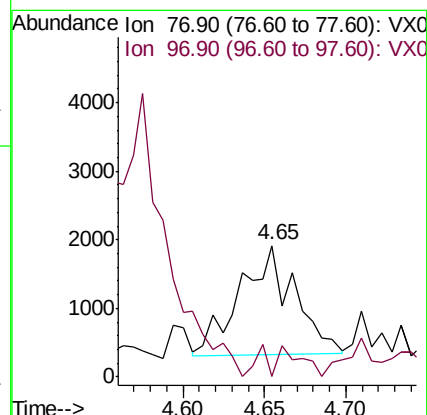
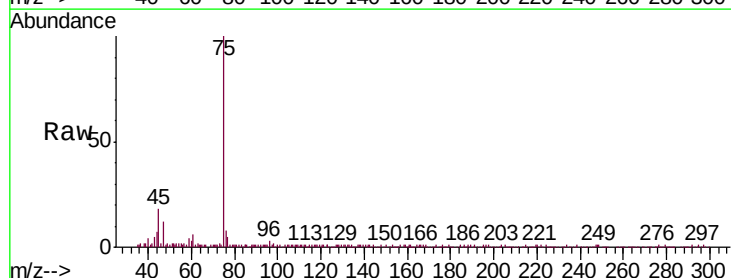
Acq: 09 Apr 2020 14:16

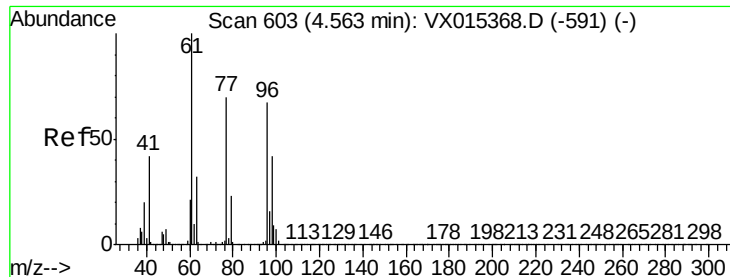
Tgt Ion: 77 Resp: 3686

Ion Ratio Lower Upper

77 100

97 12.0 11.3 33.8



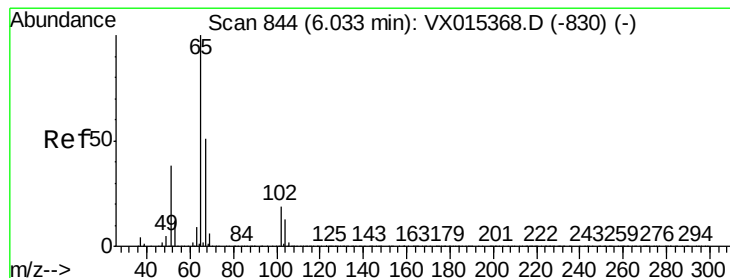
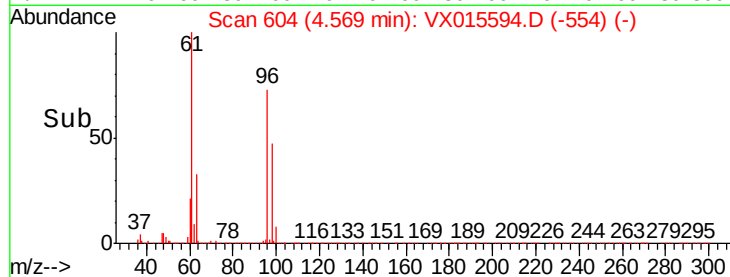
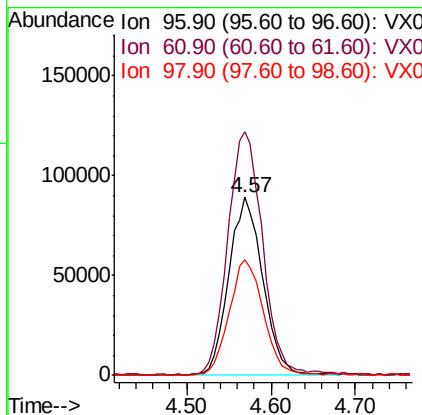
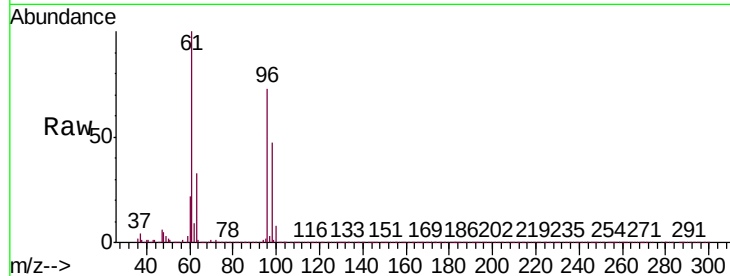


#27

cis-1,2-Dichloroethene
 Concen: 18.756 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015594.D
 Acq: 09 Apr 2020 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-200407

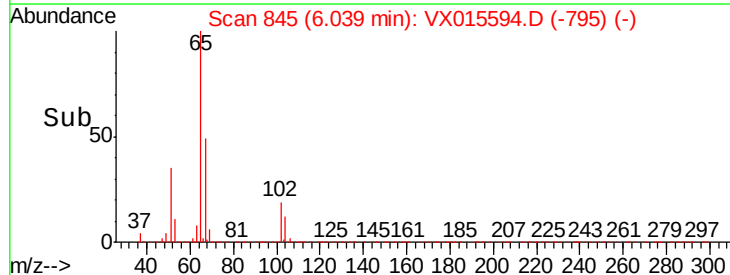
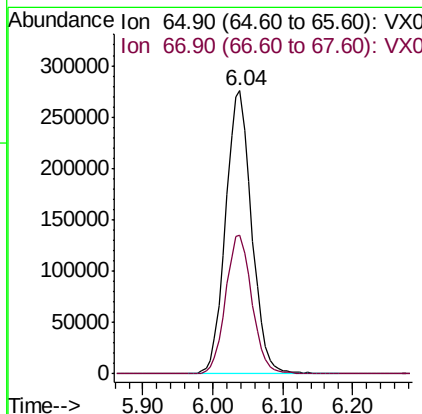
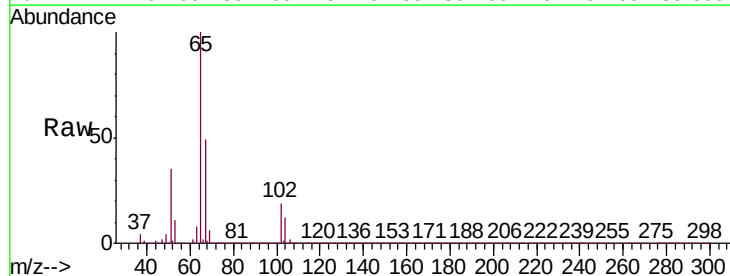
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	308.4
98	64.0	0.0	129.2

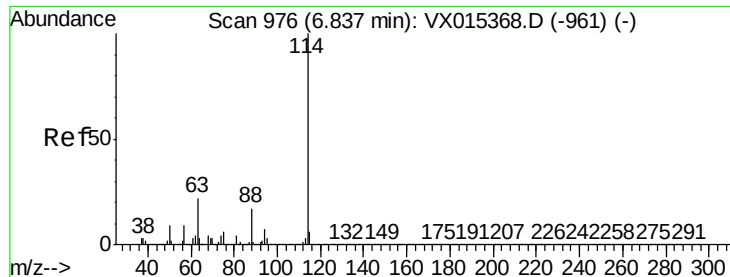


#33

1,2-Dichloroethane-d4
 Concen: 46.961 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015594.D
 Acq: 09 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-200407

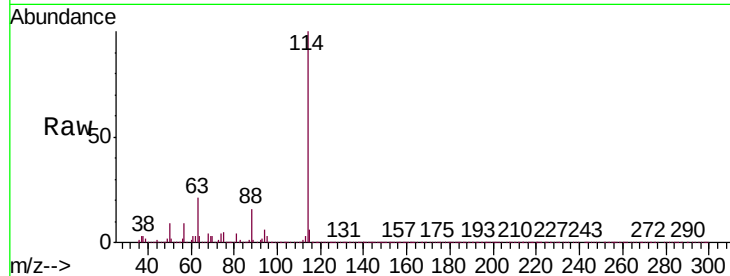
Tgt Ion:114 Resp: 1698643

Ion Ratio Lower Upper

114 100

63 20.7 0.0 44.2

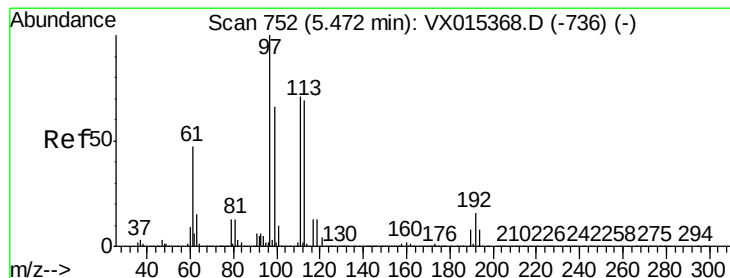
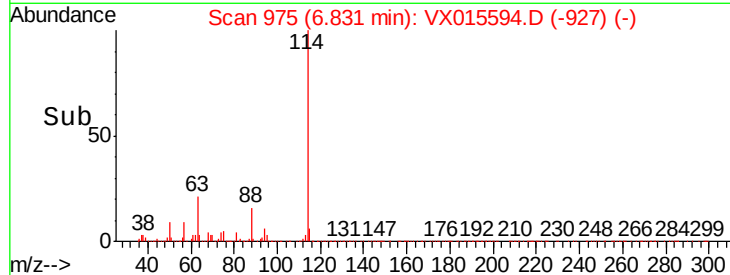
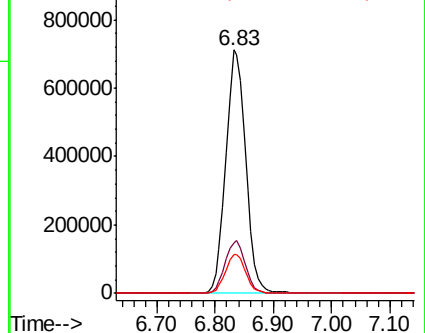
88 15.9 0.0 33.8



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: 48.697 ug/l

RT: 5.47 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

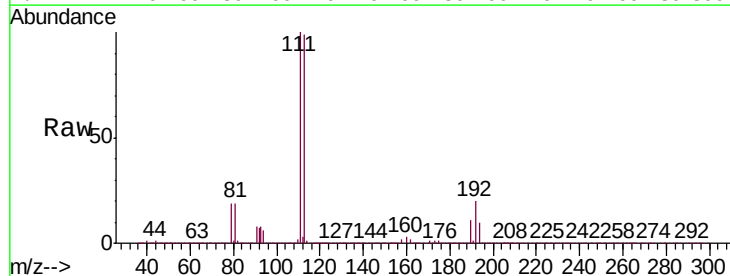
Tgt Ion:113 Resp: 528759

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

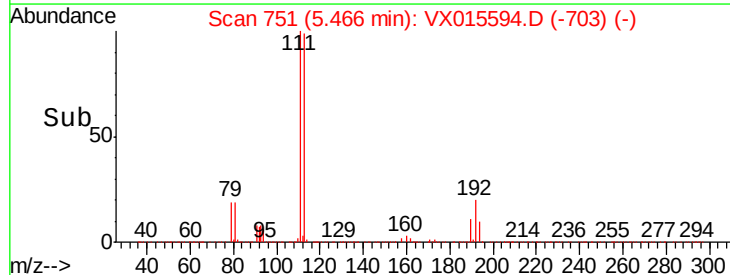
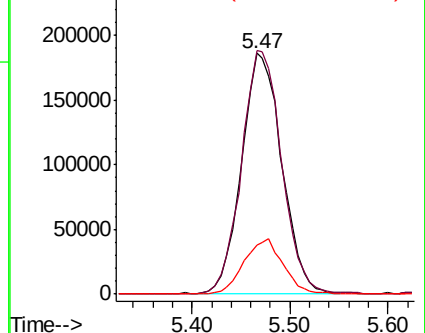
192 22.6 17.8 26.6

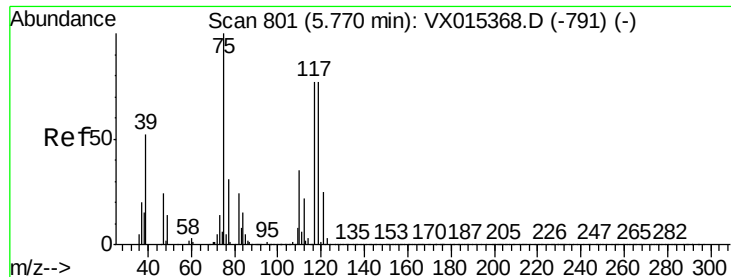


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

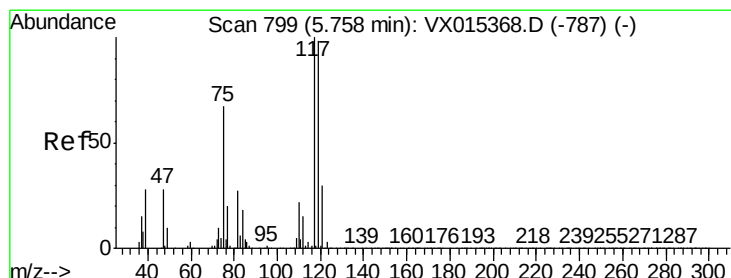
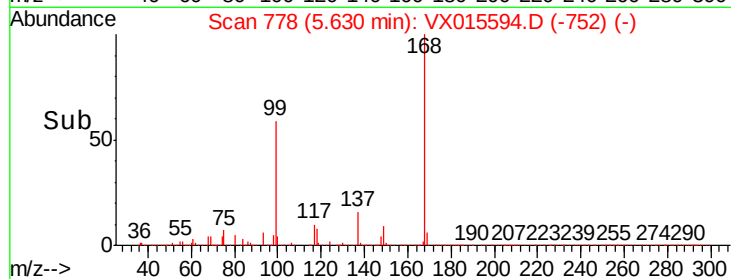
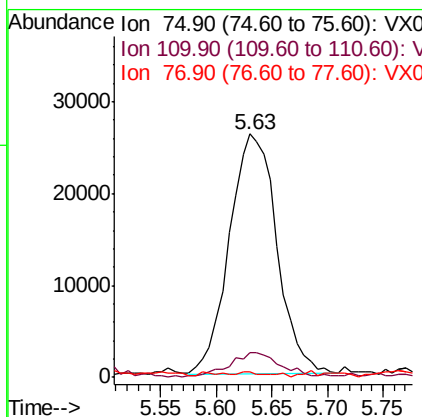
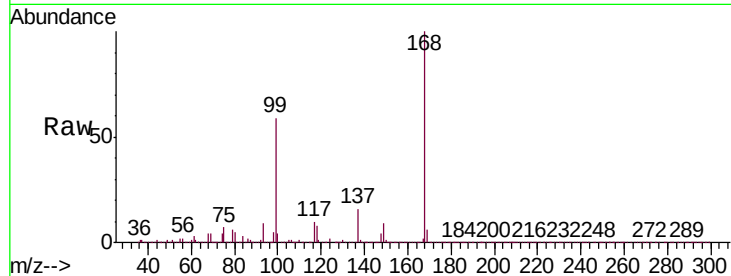




#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015594.D
 Acq: 09 Apr 2020 14:16

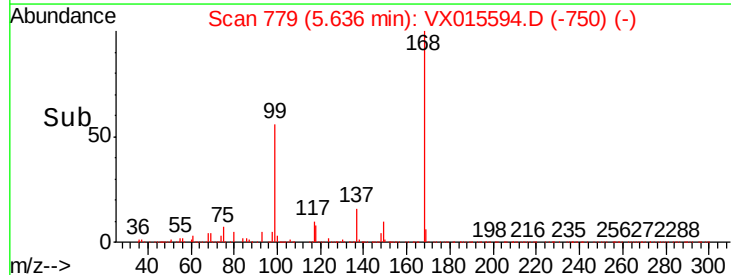
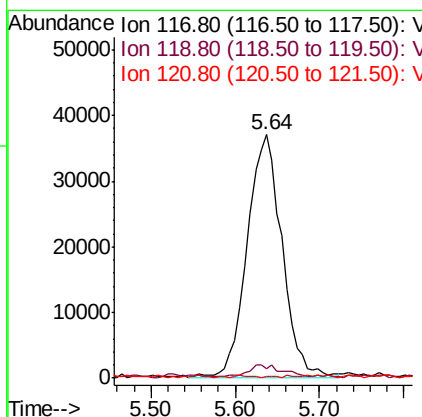
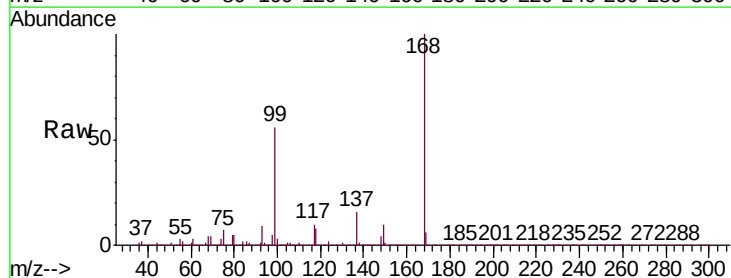
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW146-200407

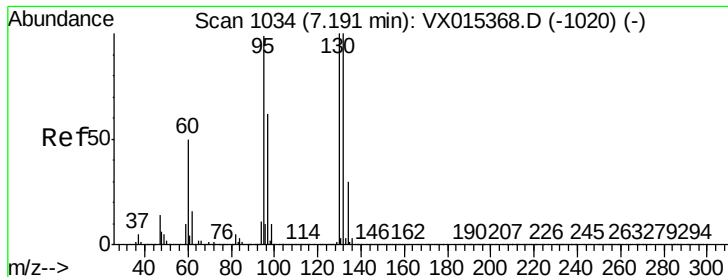
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.1	51.3#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.180 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015594.D
 Acq: 09 Apr 2020 14:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	78.0	117.0#
121	0.0	23.8	35.8#





#44

Trichloroethene

Concen: 8.207 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

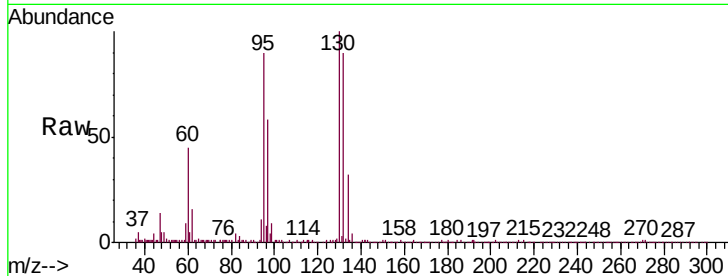
KY062MW146-200407

Tgt Ion:130 Resp: 102613

Ion Ratio Lower Upper

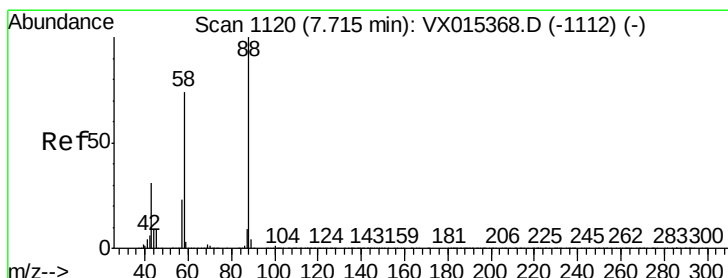
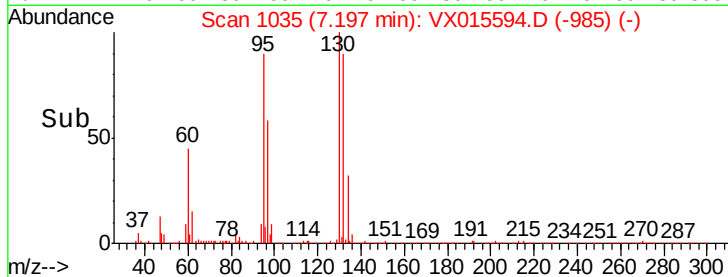
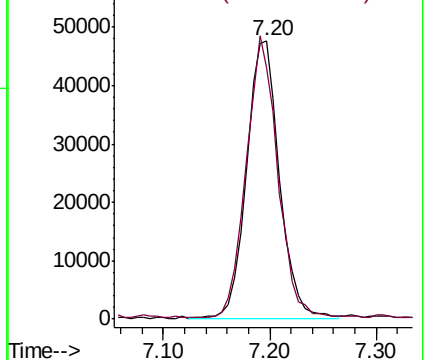
130 100

95 90.1 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: 2.440 ug/l

RT: 7.62 min Scan# 1105

Delta R.T. -0.09 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

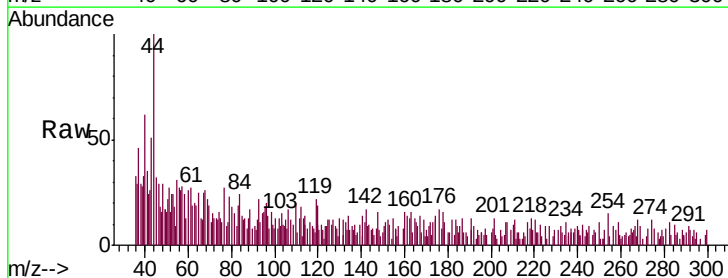
Tgt Ion: 88 Resp: 782

Ion Ratio Lower Upper

88 100

43 38.6 30.1 45.1

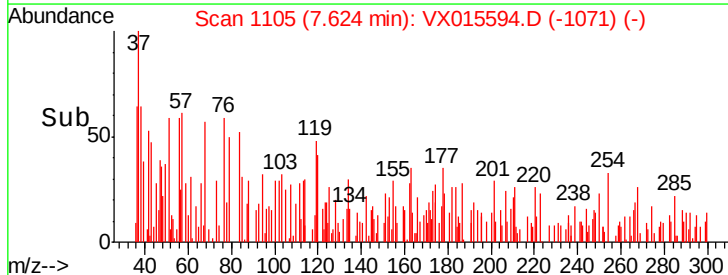
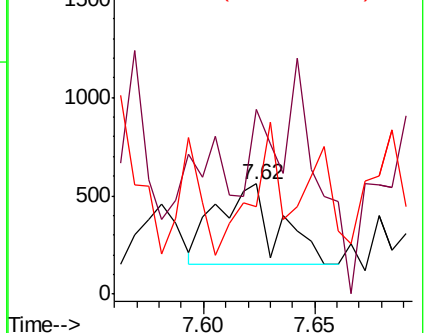
58 83.1 60.6 90.8

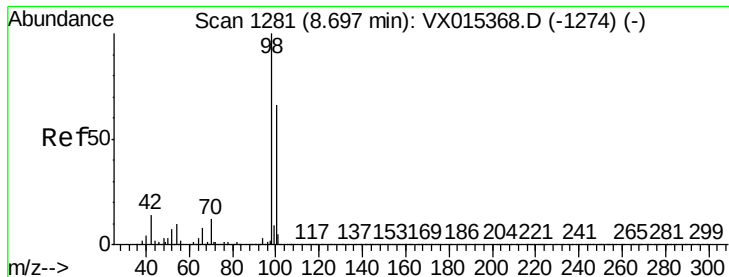


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.762 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

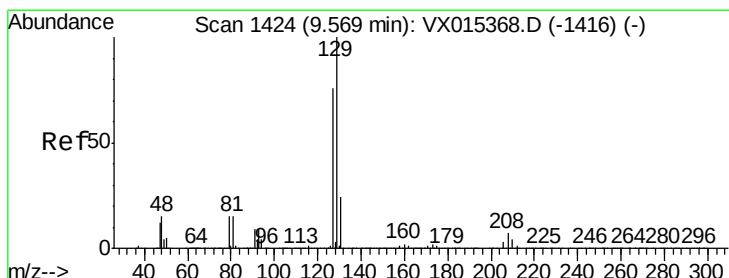
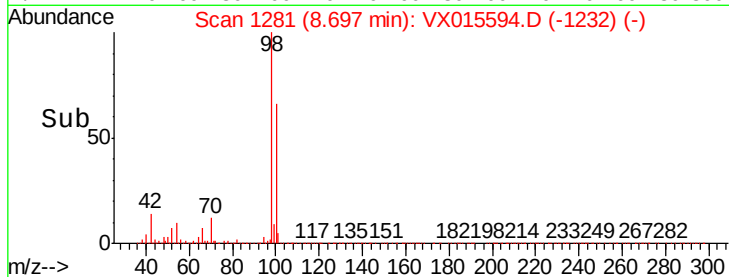
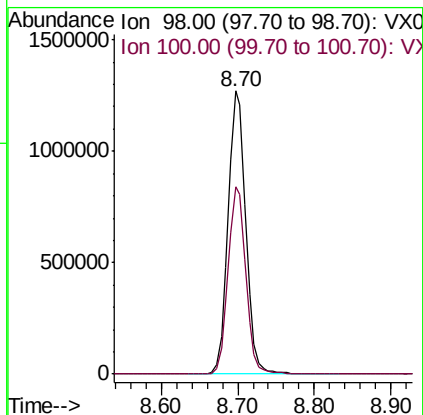
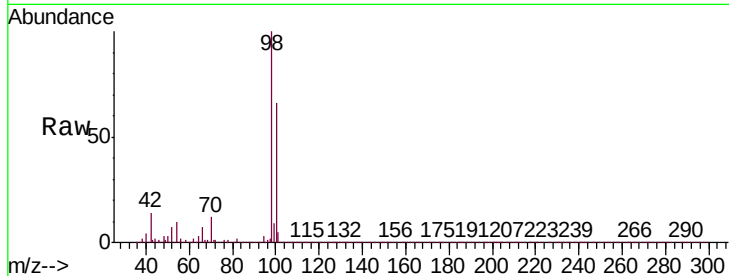
KY062MW146-200407

Tgt Ion: 98 Resp: 2029324

Ion Ratio Lower Upper

98 100

100 66.3 53.5 80.3



#60

Dibromochloromethane

Concen: 50.489 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015594.D

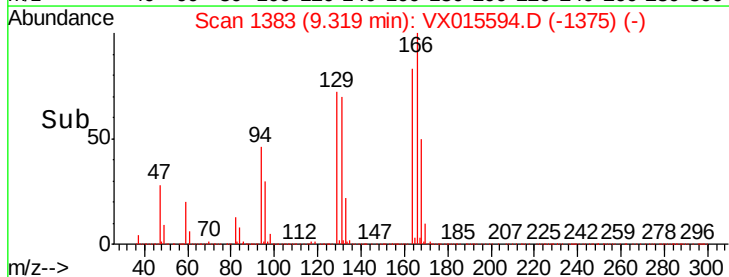
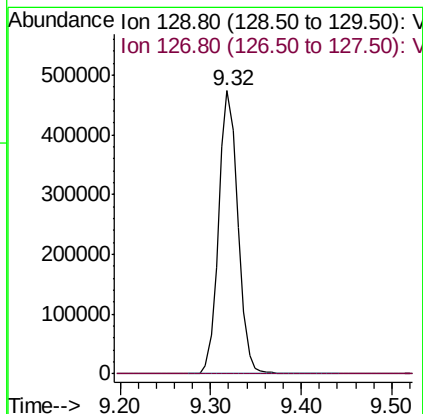
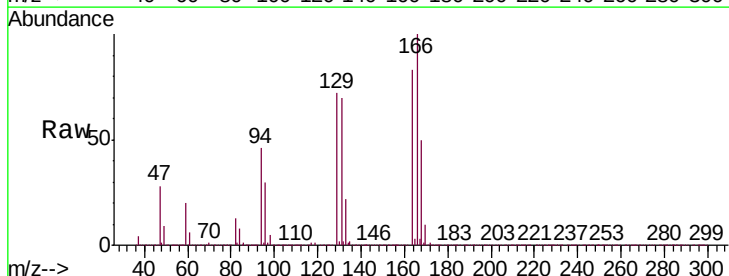
Acq: 09 Apr 2020 14:16

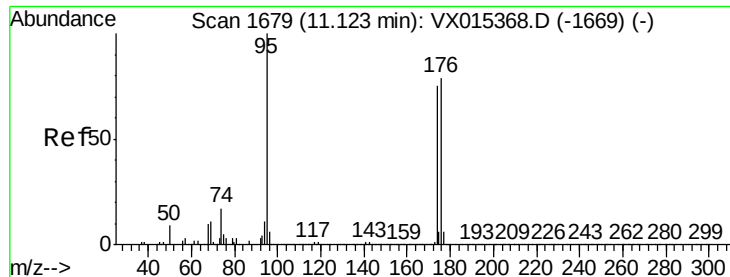
Tgt Ion: 129 Resp: 702584

Ion Ratio Lower Upper

129 100

127 0.2 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 53.655 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

KY062MW146-200407

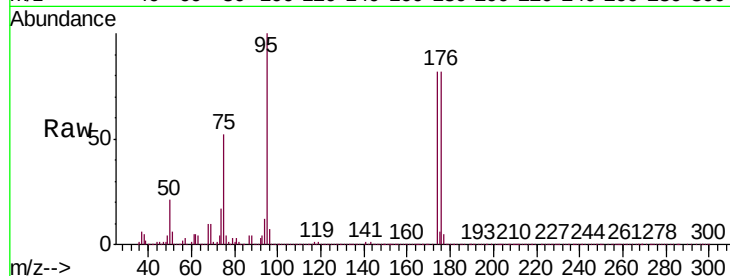
Tgt Ion: 95 Resp: 871716

Ion Ratio Lower Upper

95 100

174 82.8 0.0 158.6

176 80.9 0.0 159.0

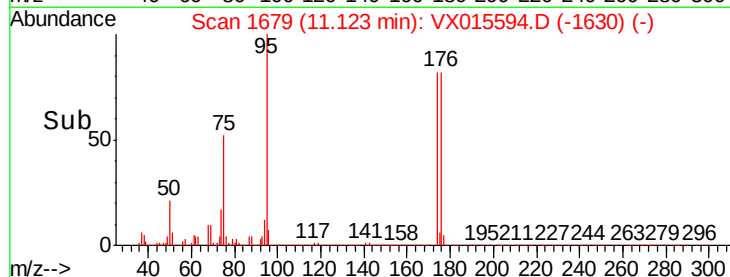


Abundance Ion 94.90 (94.60 to 95.60): VX015594.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015594.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015594.D (-1669) (-)

Time-->

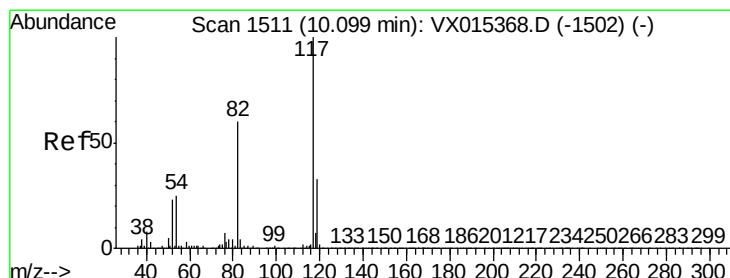


Abundance Ion 94.90 (94.60 to 95.60): VX015594.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015594.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015594.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

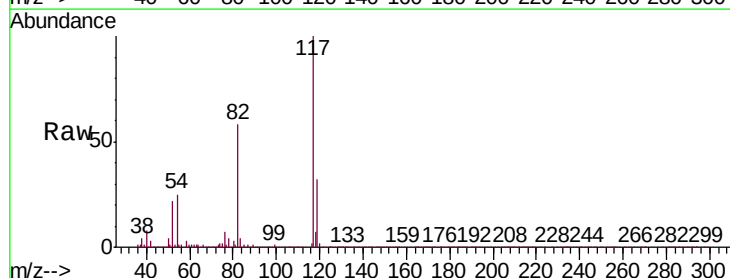
Tgt Ion: 117 Resp: 1604935

Ion Ratio Lower Upper

117 100

82 58.4 47.8 71.8

119 31.8 26.8 40.2

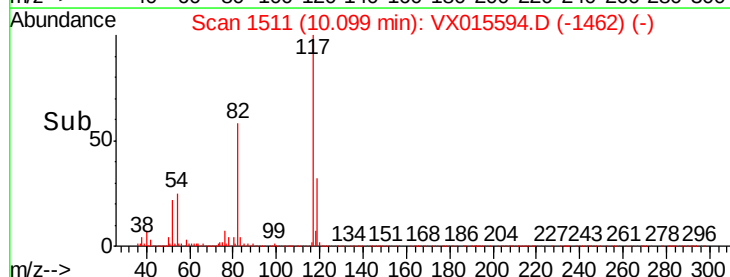


Abundance Ion 116.90 (116.60 to 117.60): VX015594.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015594.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015594.D (-1462) (-)

Time-->

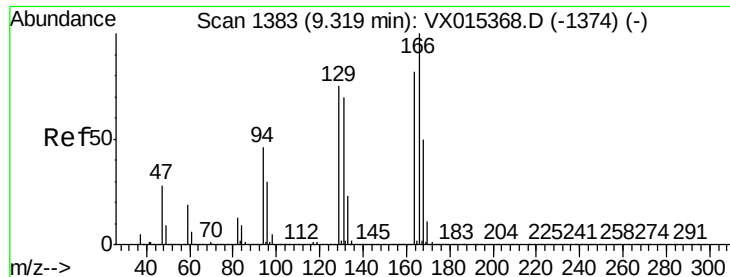


Abundance Ion 116.90 (116.60 to 117.60): VX015594.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015594.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015594.D (-1462) (-)

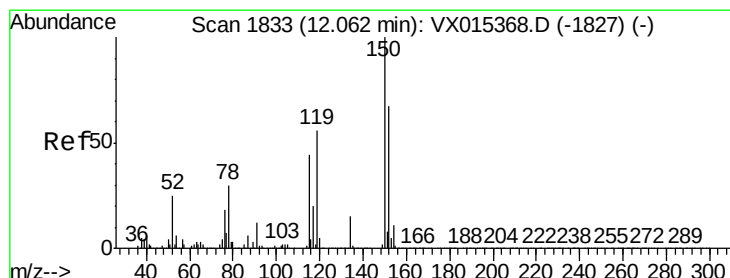
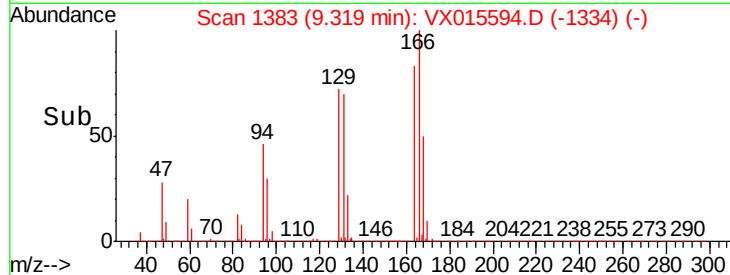
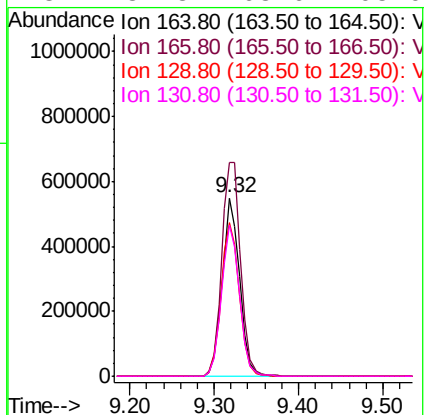
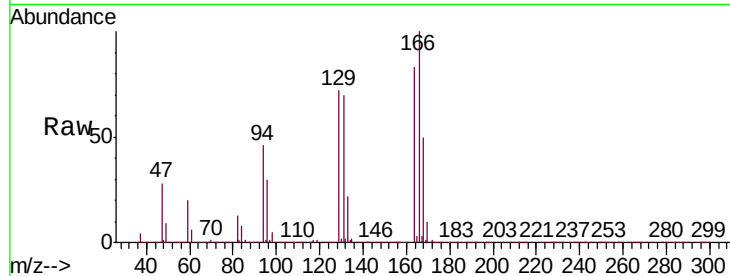
Time-->



#64
Tetrachloroethene
Concen: 64.583 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

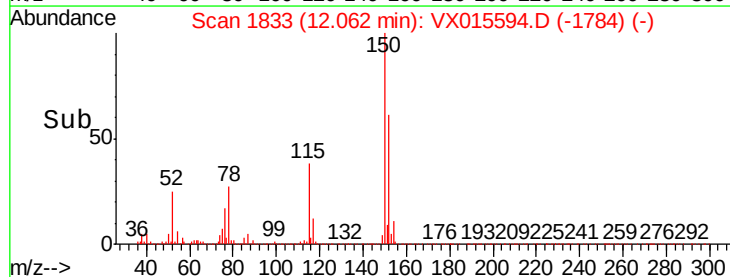
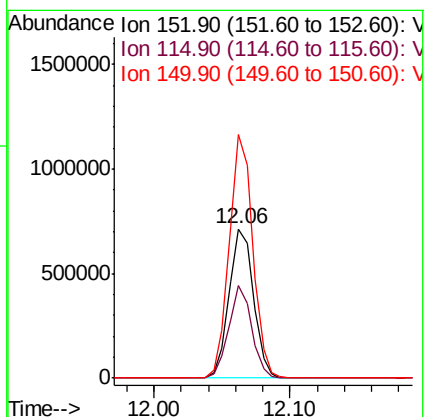
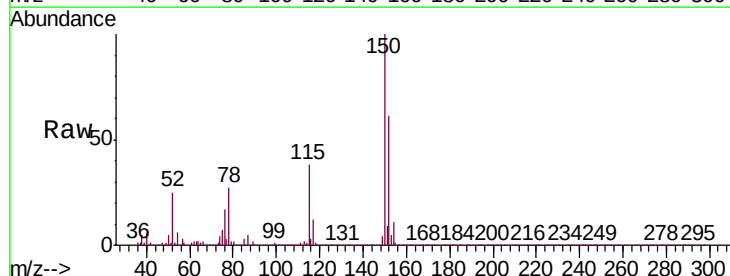
Instrument :
MSVOA_X
ClientSampleId :
KY062MW146-200407

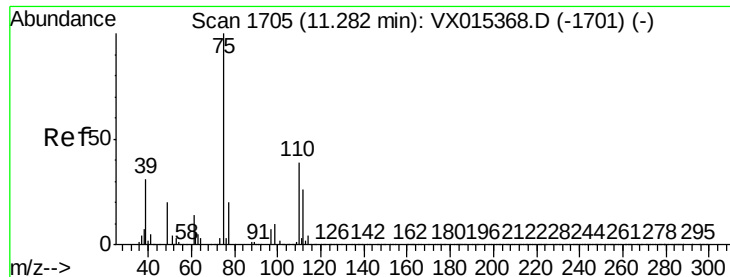
Tgt Ion:	164	Resp:	782231
Ion	Ratio	Lower	Upper
164	100		
166	119.8	97.8	146.6
129	86.3	73.0	109.4
131	84.3	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015594.D
Acq: 09 Apr 2020 14:16

Tgt Ion:	152	Resp:	894568
Ion	Ratio	Lower	Upper
152	100		
115	58.0	39.0	116.9
150	157.2	0.0	340.8





#76

1,2,3-Trichloropropane

Concen: 24.643 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

Instrument :

MSVOA_X

ClientSampleId :

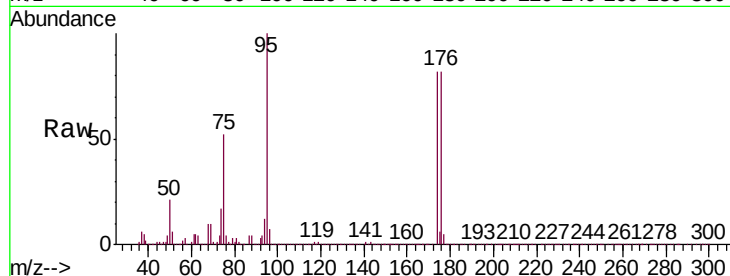
KY062MW146-200407

Tgt Ion: 75 Resp: 453328

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

11.12

400000

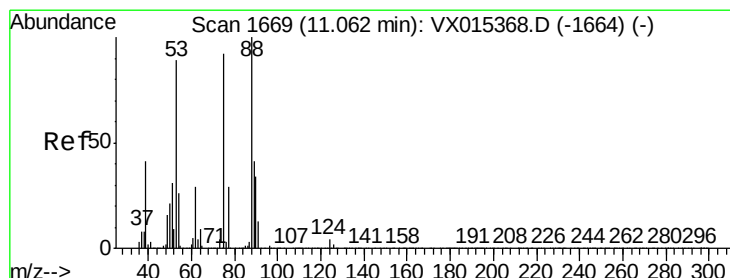
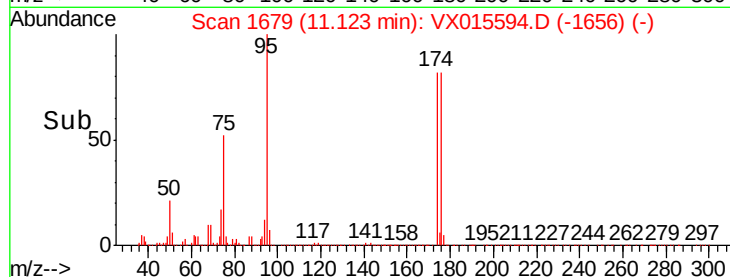
300000

200000

100000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.129 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015594.D

Acq: 09 Apr 2020 14:16

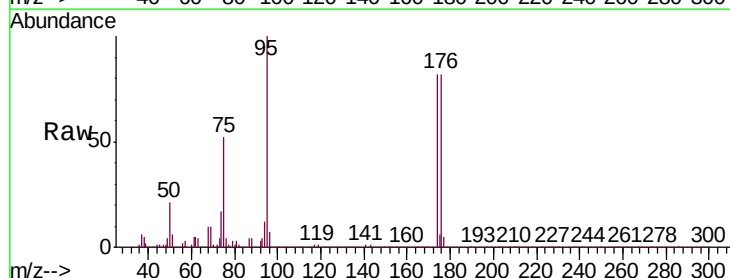
Tgt Ion: 75 Resp: 453328

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

500000

400000

300000

200000

100000

0

Time--> 11.05 11.10 11.15 11.20

