

Data File : VX015592.D
Acq On : 09 Apr 2020 13:30
Operator : JC/SP
Sample : L2190-04 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

Quant Time: Apr 10 04:46:13 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	1063907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1695648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1614148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	895286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	700511	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.47	113	525483	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	8.70	98	2025932	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.12	95	880637	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

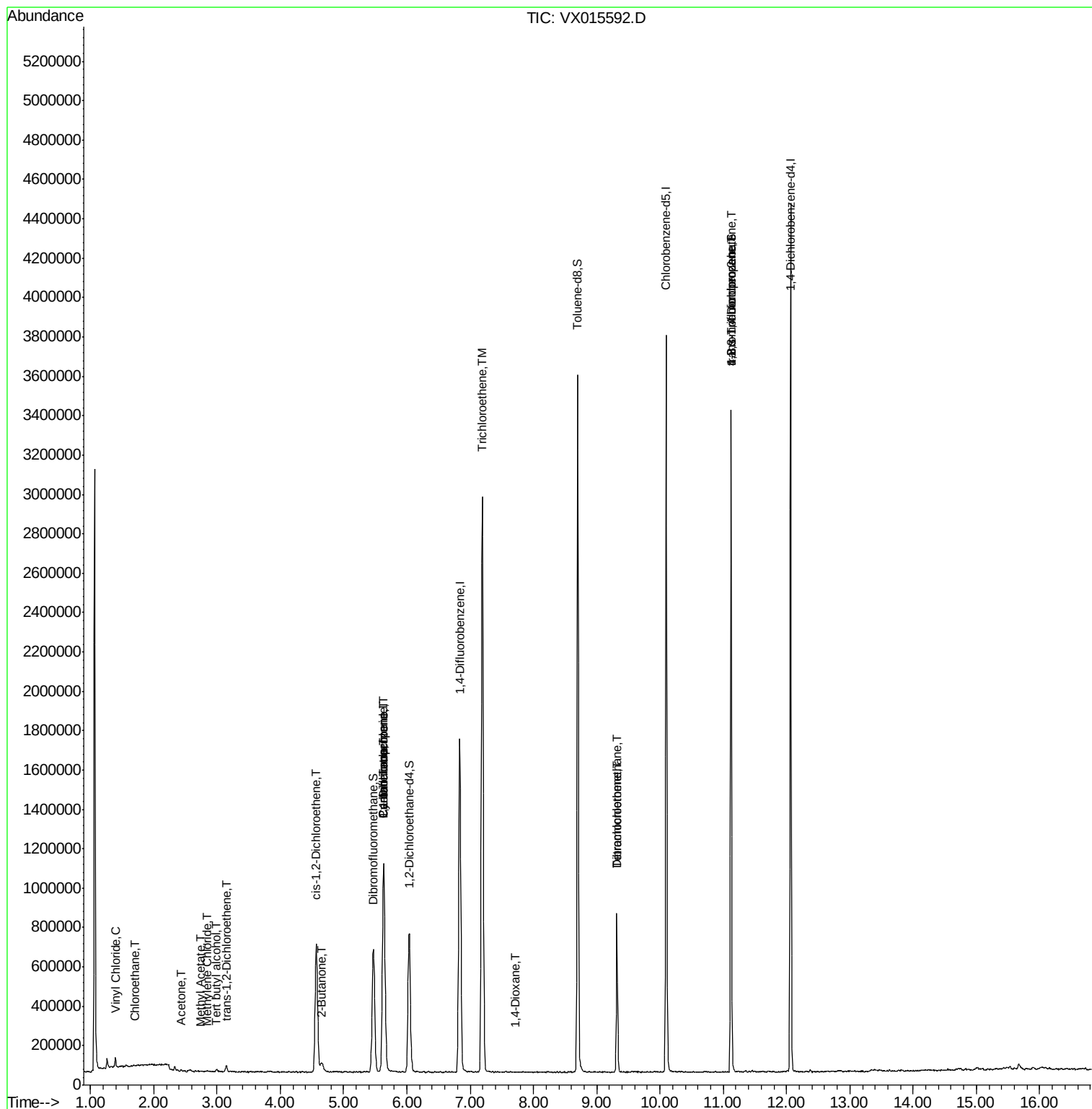
						Qvalue
4) Vinyl Chloride	1.39	62	31034	2.831	ug/l	94
5) Bromomethane	1.63	94	838	Below Cal	#	7
6) Chloroethane	1.70	64	1872	0.275	ug/l #	43
11) Tert butyl alcohol	3.00	59	11622	3.236	ug/l #	88
16) Acetone	2.42	43	5960	0.925	ug/l	91
18) Methyl Acetate	2.75	43	4036	0.245	ug/l #	74
20) Methylene Chloride	2.84	84	2522	0.209	ug/l #	78
21) trans-1,2-Dichloroethene	3.14	96	13304	1.193	ug/l	97
25) 2-Butanone	4.66	43	3300	0.318	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	407648	31.608	ug/l	91
31) Cyclohexane	5.63	56	26631	1.402	ug/l #	22
36) 1,1-Dichloropropene	5.63	75	78101	4.999	ug/l #	52
38) Carbon Tetrachloride	5.62	117	104021	6.147	ug/l #	14
44) Trichloroethene	7.19	130	1135764	90.996	ug/l	98
49) 1,4-Dioxane	7.71	88	607	1.897	ug/l #	20
60) Dibromochloromethane	9.32	129	148184	10.668	ug/l #	12
64) Tetrachloroethene	9.32	164	158201	12.987	ug/l	90
76) 1,2,3-Trichloropropane	11.12	75	452721	24.590	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	452721	59.002	ug/l #	10

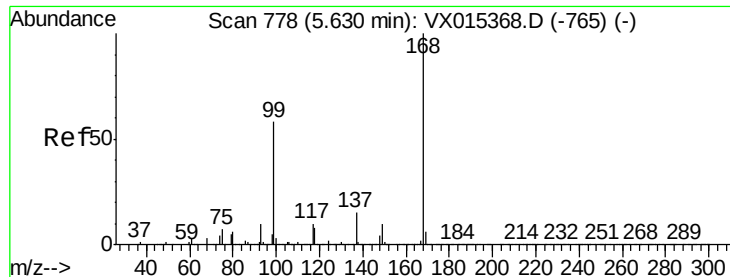
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

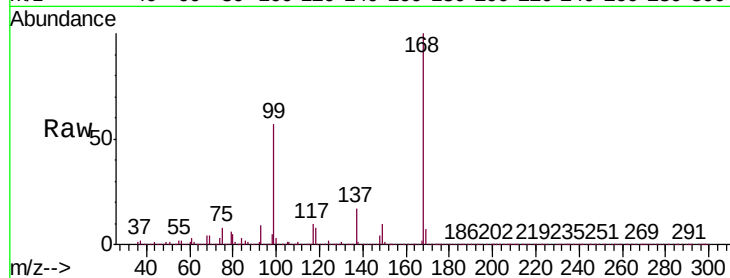
KY062MW128-200406

Tgt Ion:168 Resp: 1063907

Ion Ratio Lower Upper

168 100

99 56.6 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

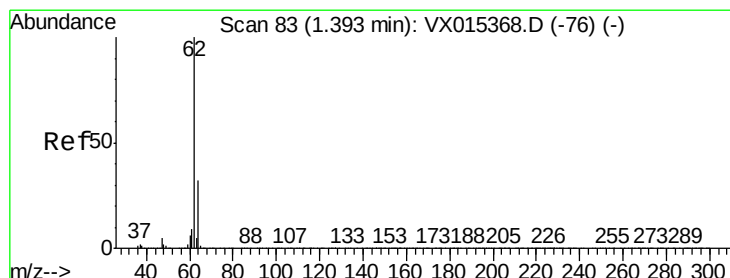
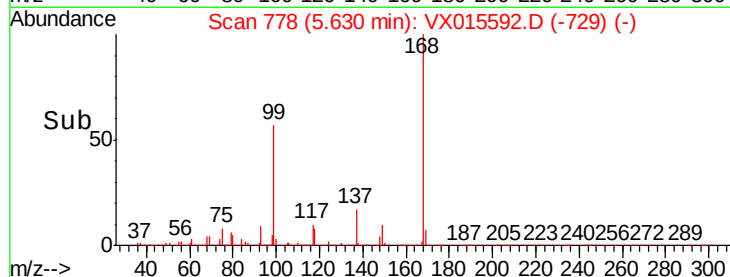
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 2.831 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015592.D

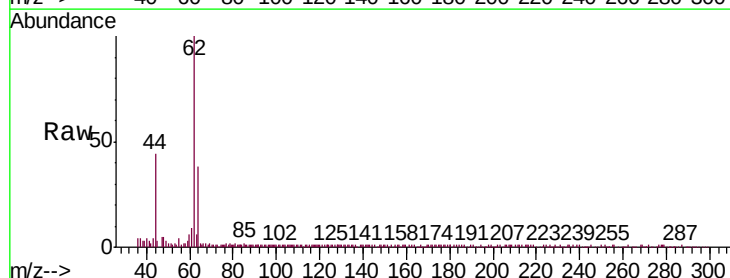
Acq: 09 Apr 2020 13:30

Tgt Ion: 62 Resp: 31034

Ion Ratio Lower Upper

62 100

64 35.7 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

30000

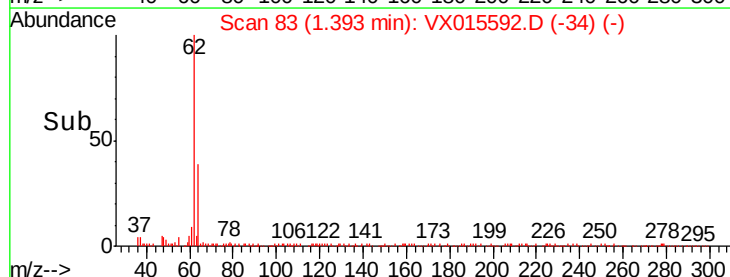
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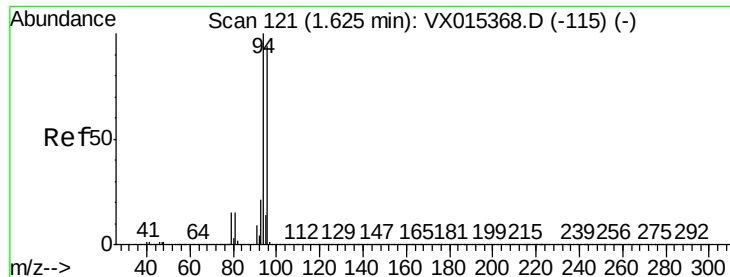
10000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

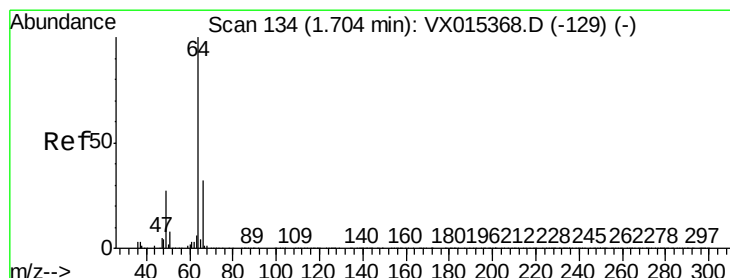
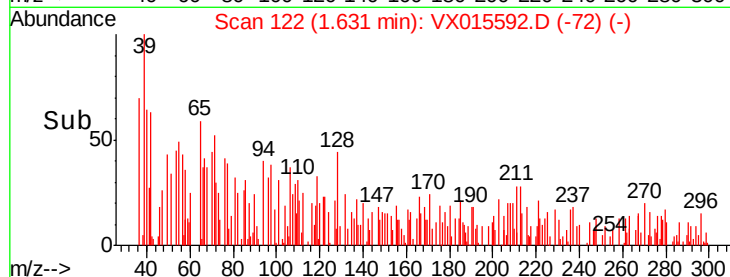
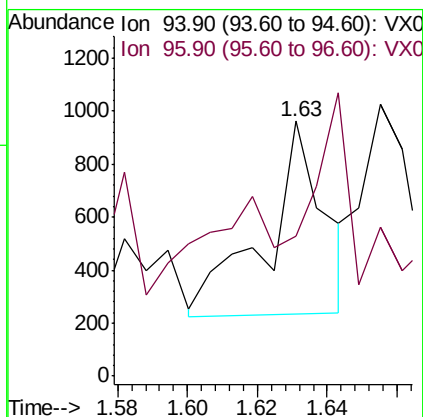
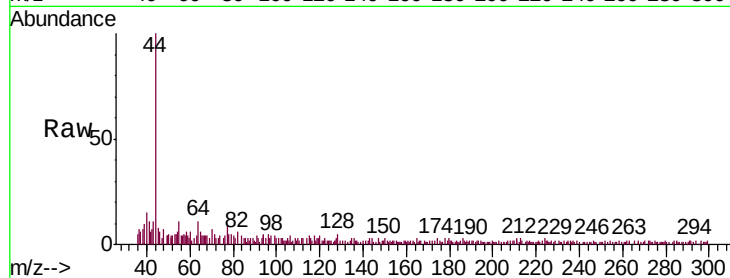
KY062MW128-200406

Tgt Ion: 94 Resp: 838

Ion Ratio Lower Upper

94 100

96 4.1 74.8 112.2#



#6

Chloroethane

Concen: 0.275 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX015592.D

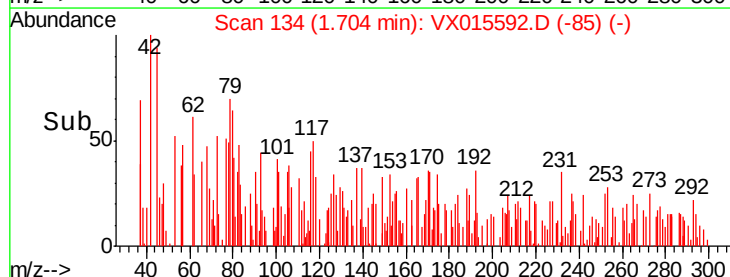
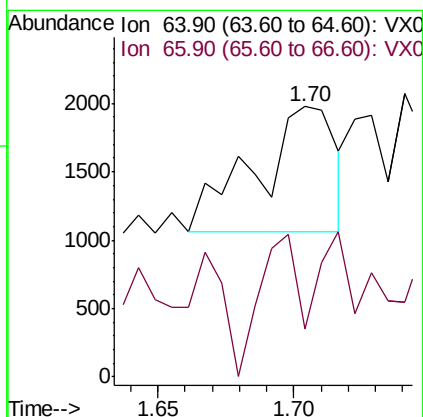
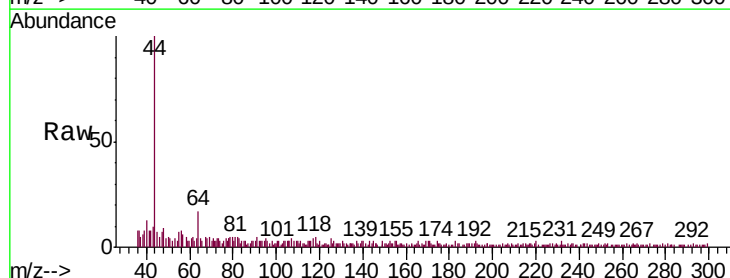
Acq: 09 Apr 2020 13:30

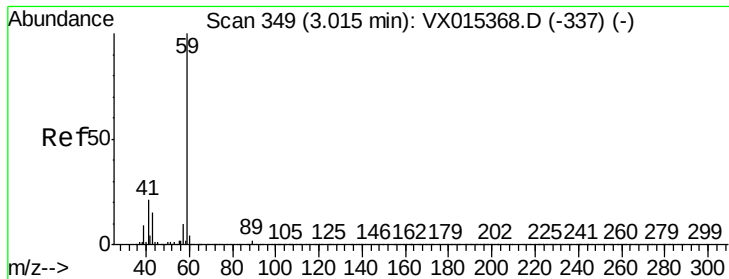
Tgt Ion: 64 Resp: 1872

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#

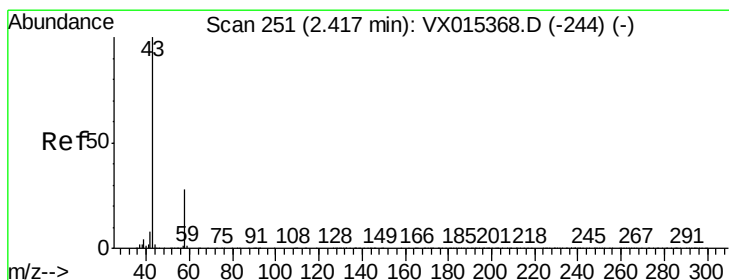
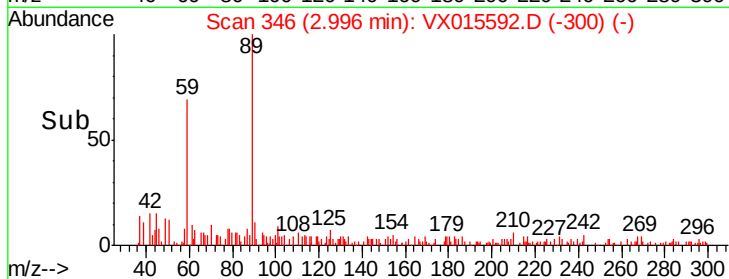
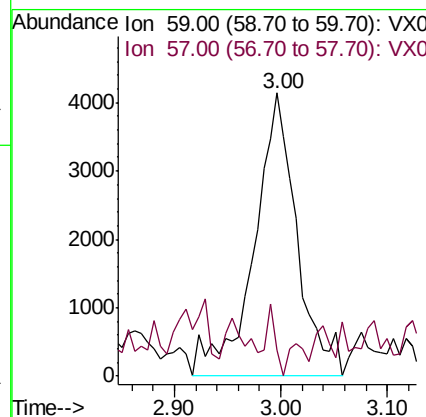
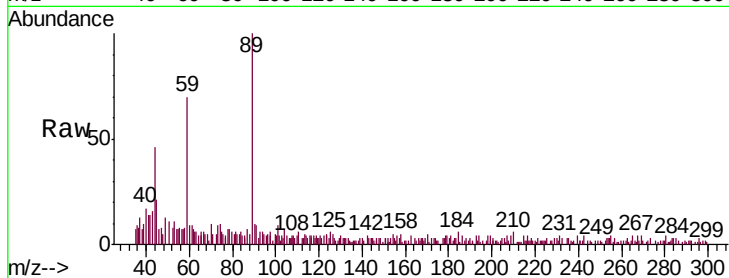




#11
Tert butyl alcohol
Concen: 3.236 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

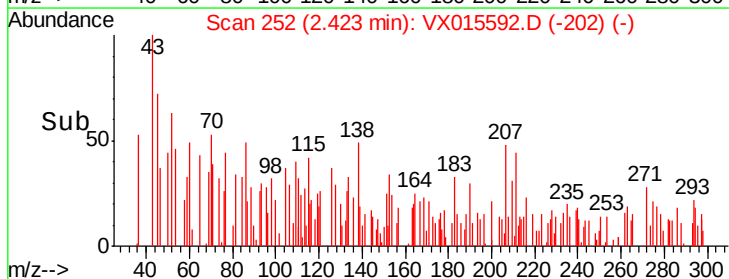
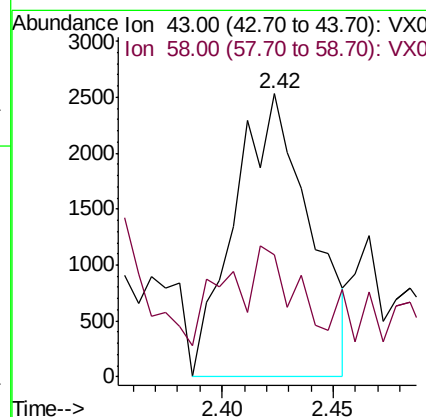
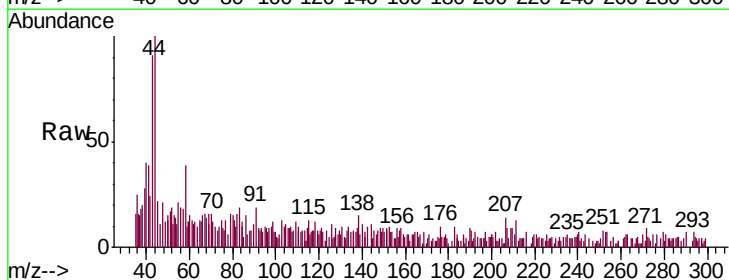
Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

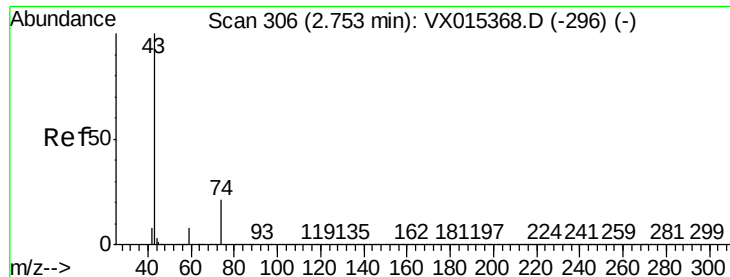
Tgt Ion: 59 Resp: 11622
Ion Ratio Lower Upper
59 100
57 5.7 8.1 12.1#



#16
Acetone
Concen: 0.925 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Tgt Ion: 43 Resp: 5960
Ion Ratio Lower Upper
43 100
58 32.2 22.1 33.1

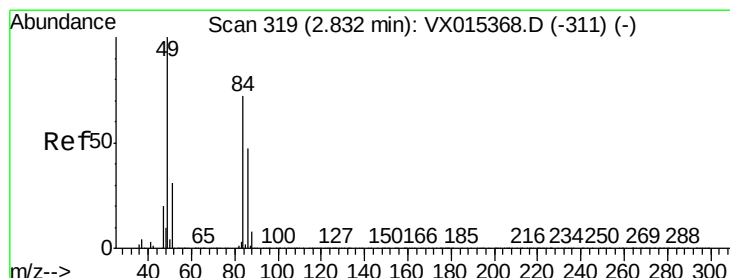
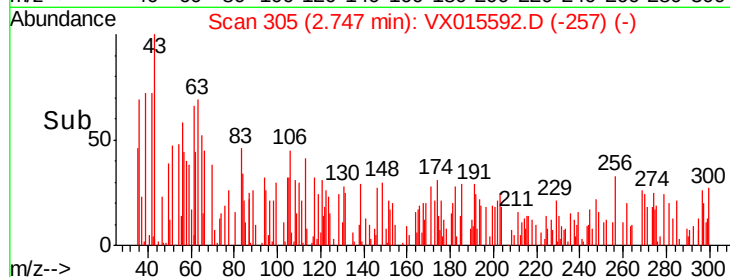
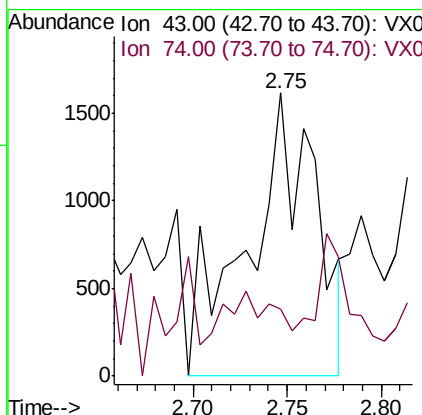
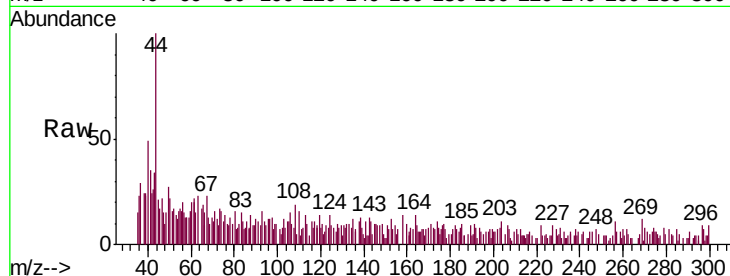




#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

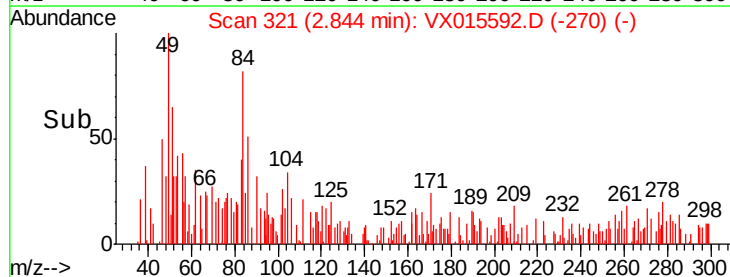
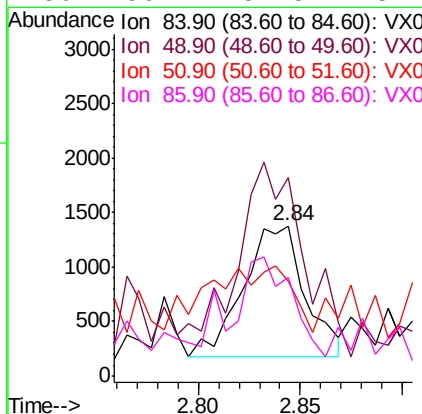
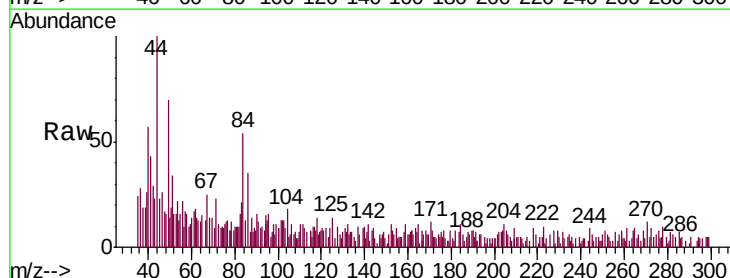
Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

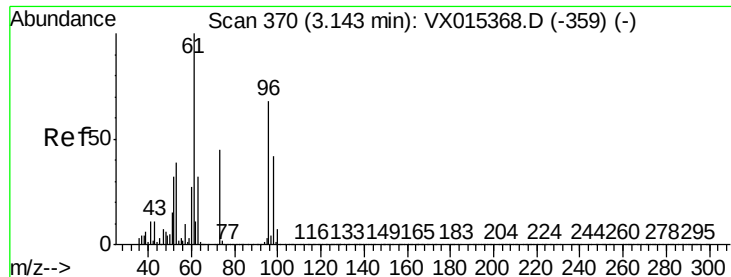
Tgt Ion: 43 Resp: 4036
Ion Ratio Lower Upper
43 100
74 8.3 16.5 24.7#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.01 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Tgt Ion: 84 Resp: 2522
Ion Ratio Lower Upper
84 100
49 111.1 111.3 166.9#
51 28.3 34.0 51.0#
86 50.2 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 1.193 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

KY062MW128-200406

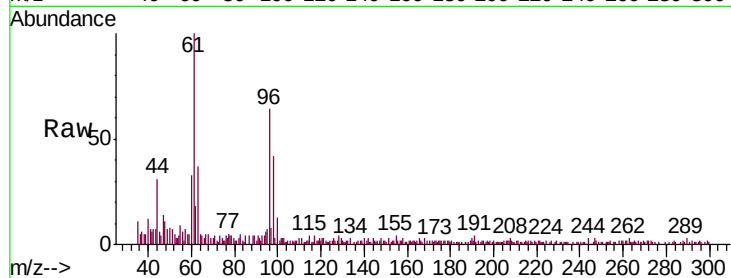
Tgt Ion: 96 Resp: 13304

Ion Ratio Lower Upper

96 100

61 150.8 116.9 175.3

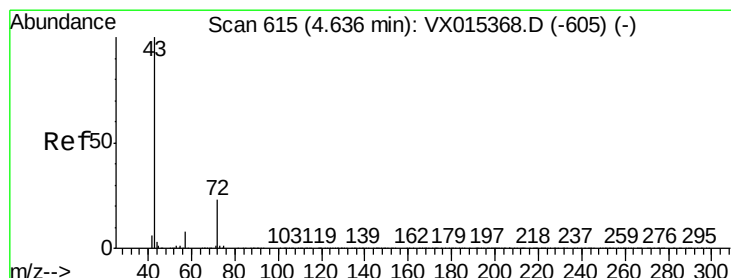
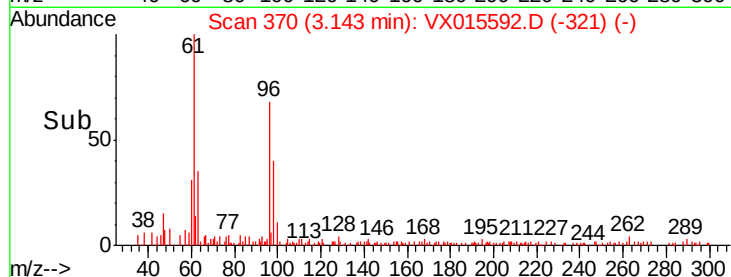
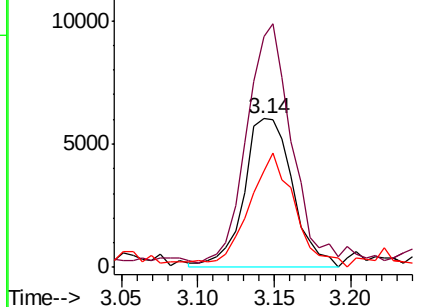
98 60.3 48.6 73.0



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



#25

2-Butanone

Concen: 0.318 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.02 min

Lab File: VX015592.D

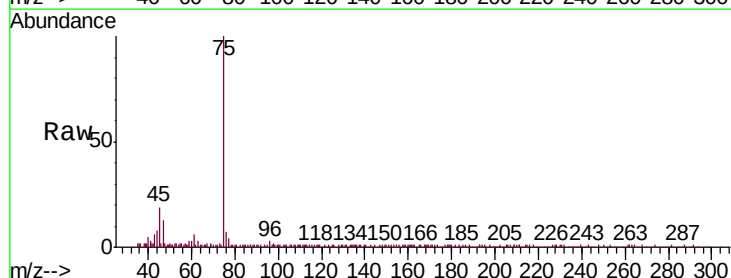
Acq: 09 Apr 2020 13:30

Tgt Ion: 43 Resp: 3300

Ion Ratio Lower Upper

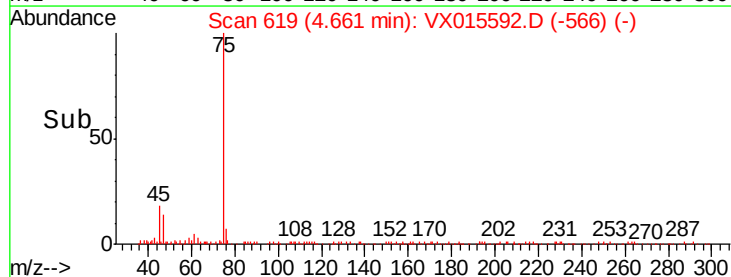
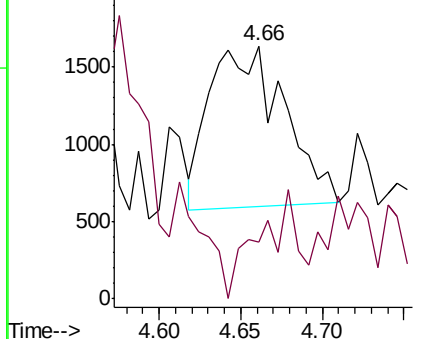
43 100

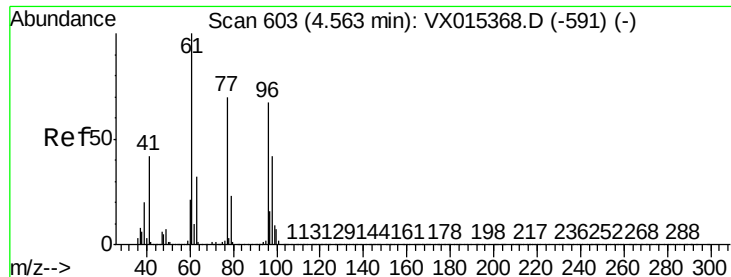
72 0.0 19.0 28.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



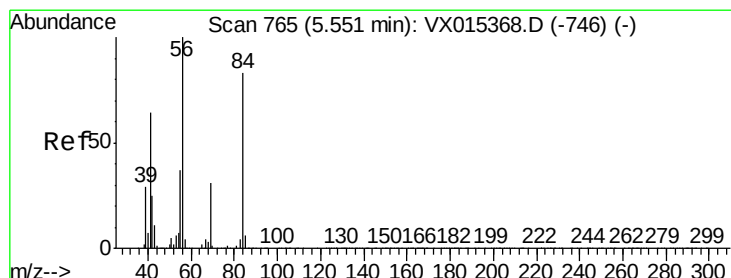
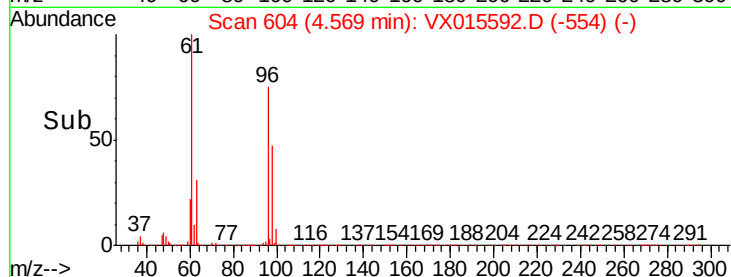
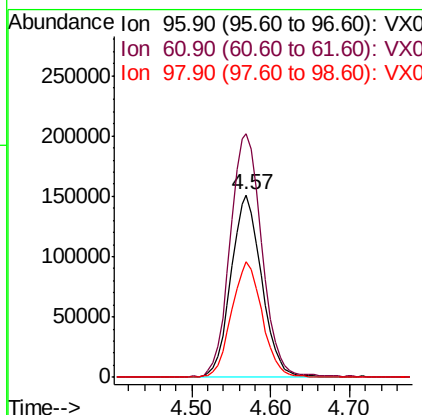
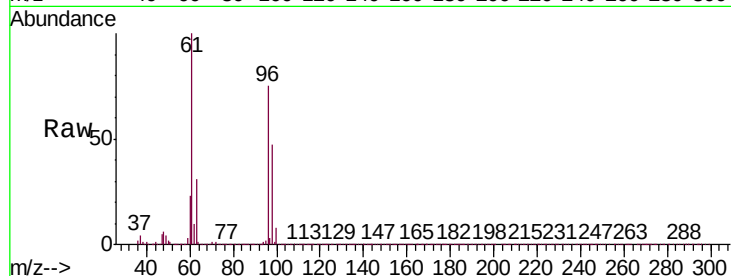


#27

cis-1,2-Dichloroethene
Concen: 31.608 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

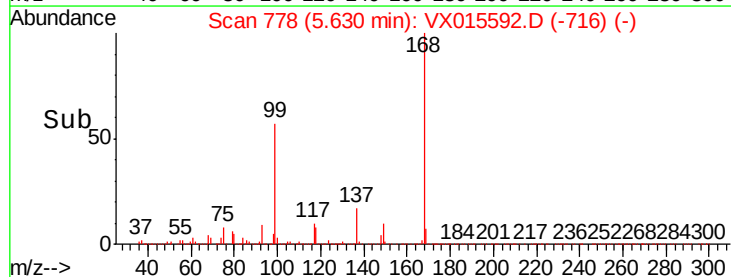
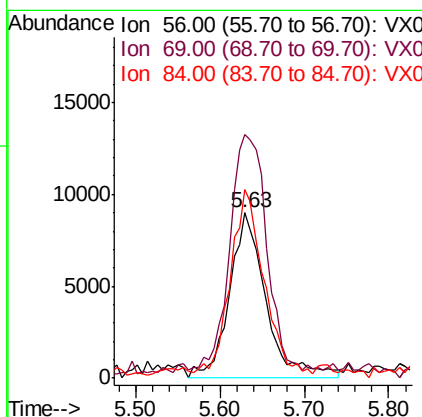
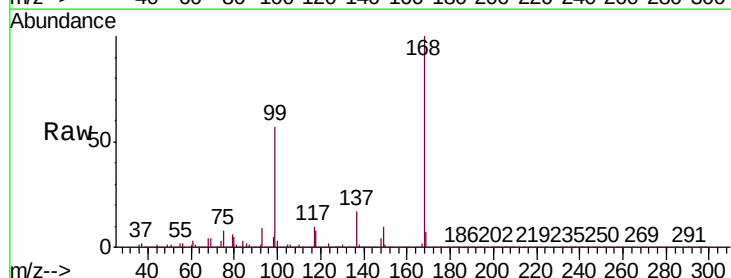
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	308.4
98	63.5	0.0	129.2

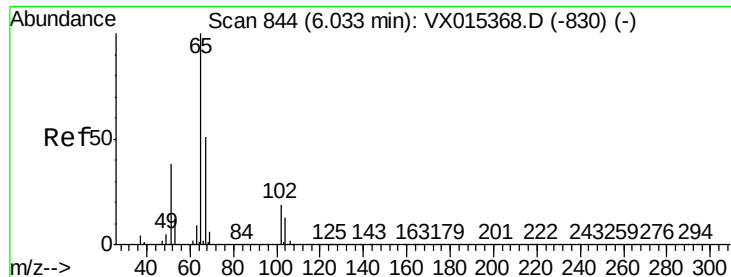


#31

Cyclohexane
Concen: 1.402 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Tgt Ion	Ratio	Lower	Upper
56	100		
69	142.6	24.6	36.8#
84	110.8	66.1	99.1#





#33

1,2-Dichloroethane-d4

Concen: 46.684 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

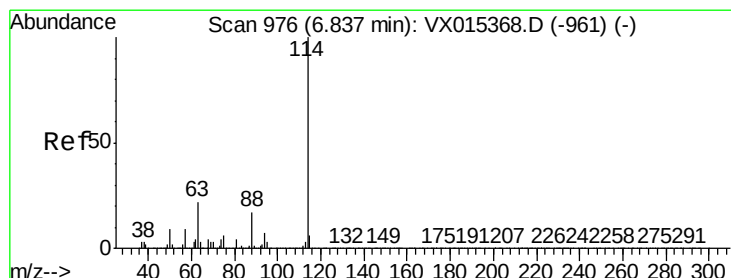
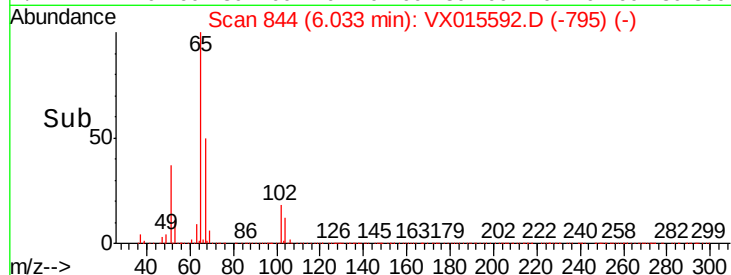
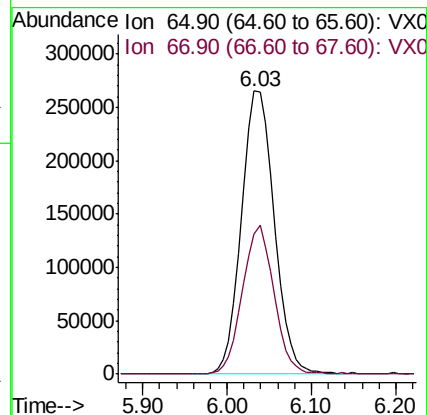
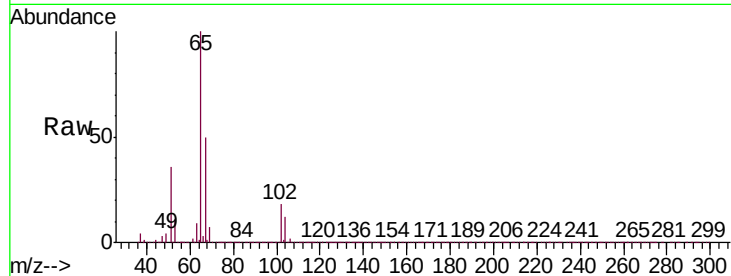
KY062MW128-200406

Tgt Ion: 65 Resp: 700511

Ion Ratio Lower Upper

65 100

67 50.5 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: VX015592.D

Acq: 09 Apr 2020 13:30

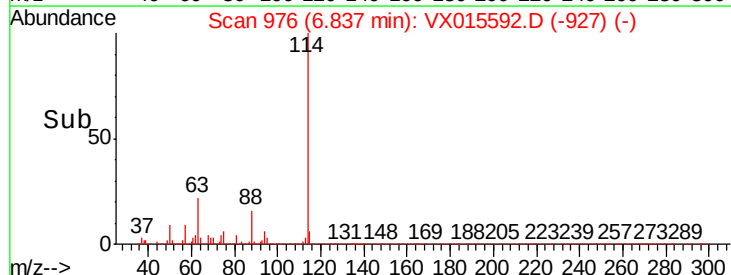
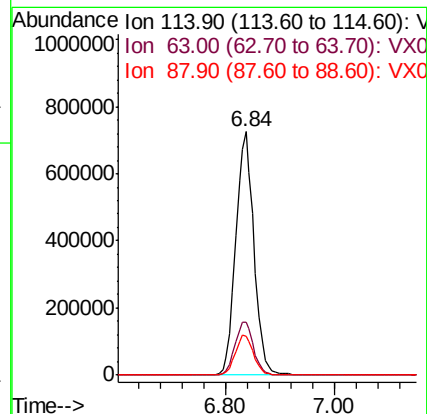
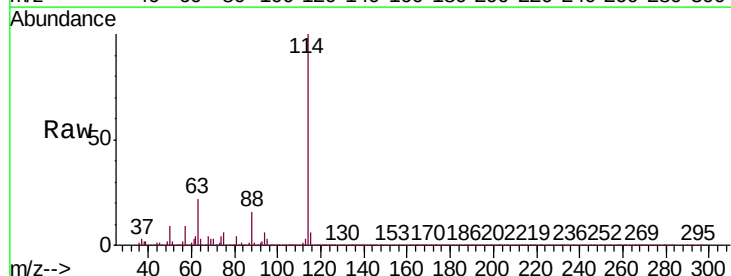
Tgt Ion: 114 Resp: 1695648

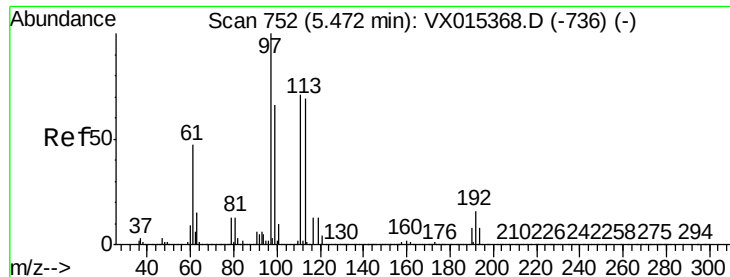
Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 15.7 0.0 33.8

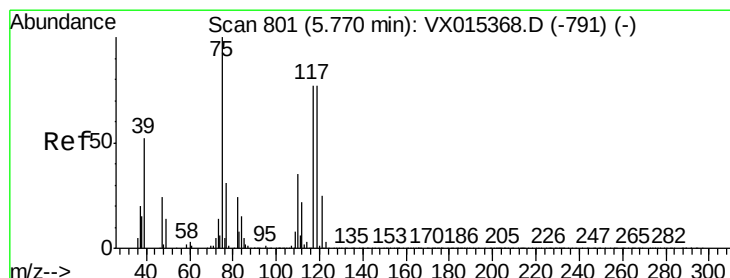
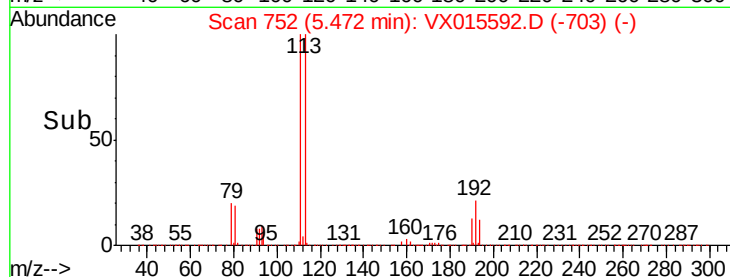
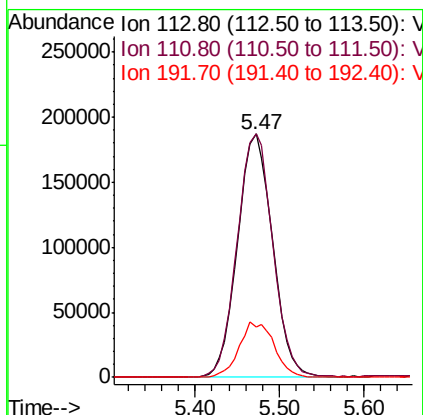
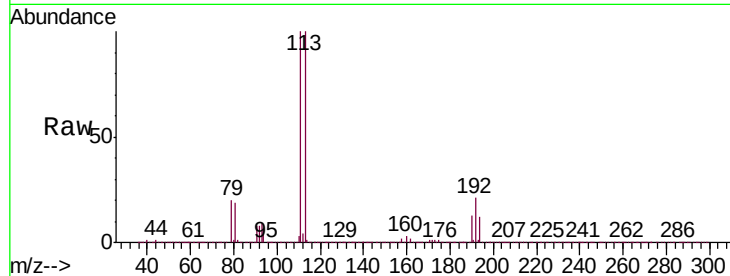




#35
 Dibromofluoromethane
 Concen: 48.481 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015592.D
 Acq: 09 Apr 2020 13:30

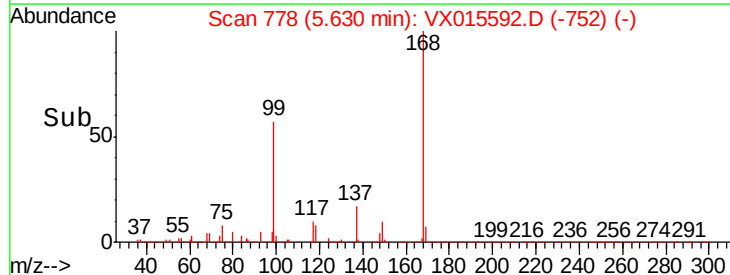
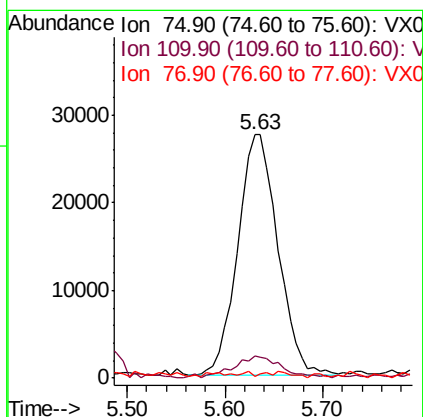
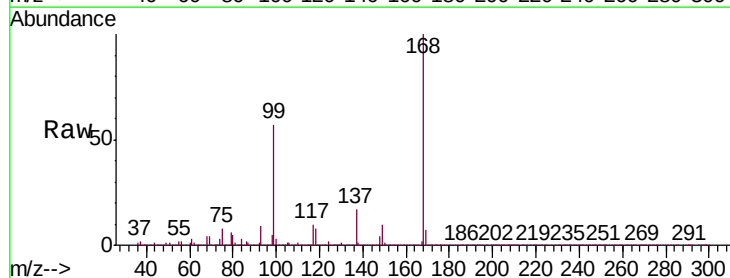
Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW128-200406

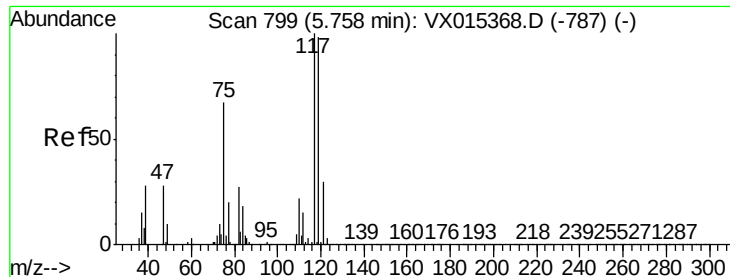
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015592.D
 Acq: 09 Apr 2020 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	17.1	51.3#
77	0.3	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 5.62 min Scan# 777

Delta R.T. -0.13 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

KY062MW128-200406

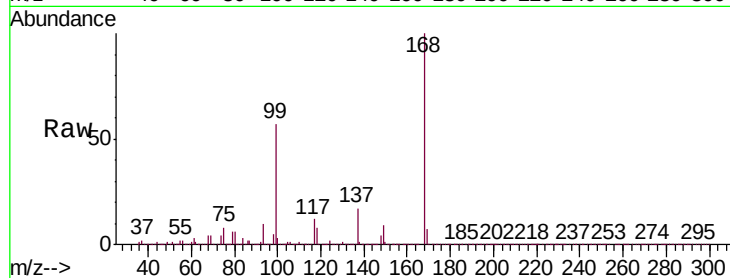
Tgt Ion:117 Resp: 104021

Ion Ratio Lower Upper

117 100

119 2.5 78.0 117.0#

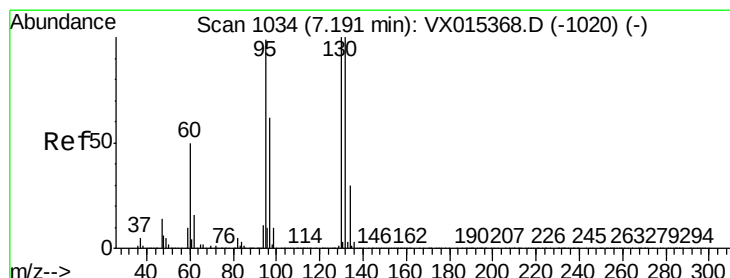
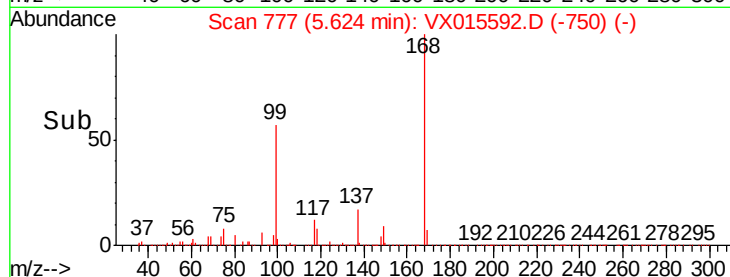
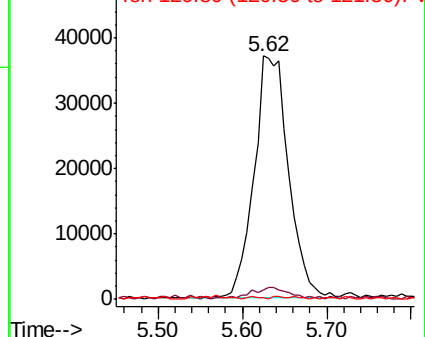
121 0.5 23.8 35.8#



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: 90.996 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015592.D

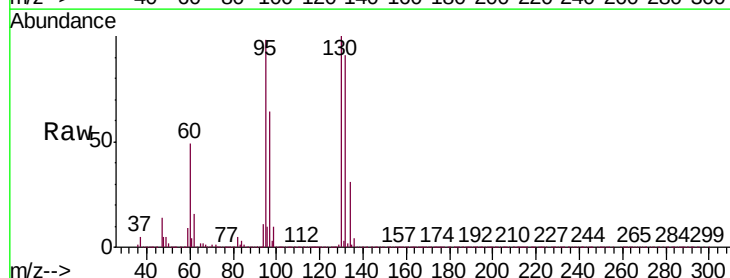
Acq: 09 Apr 2020 13:30

Tgt Ion:130 Resp: 1135764

Ion Ratio Lower Upper

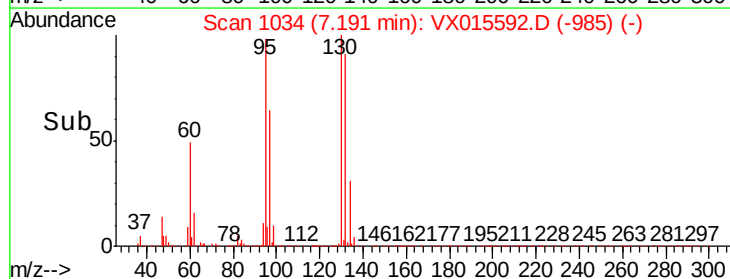
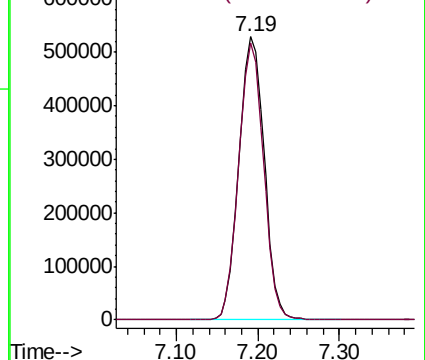
130 100

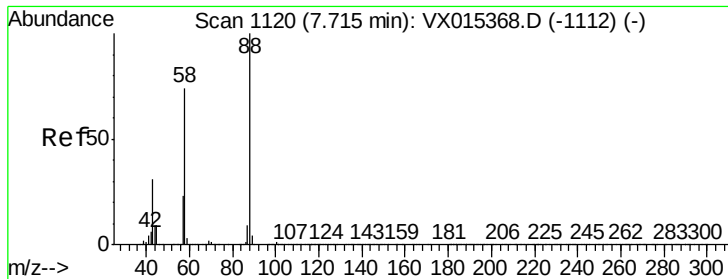
95 97.8 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 1.897 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

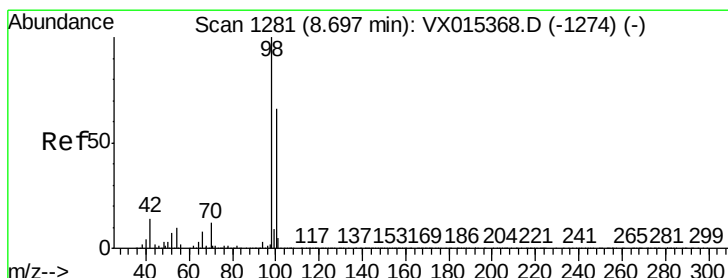
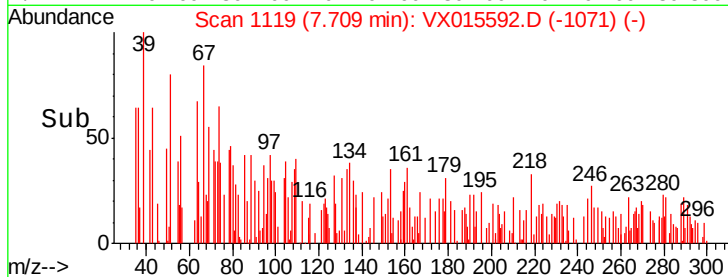
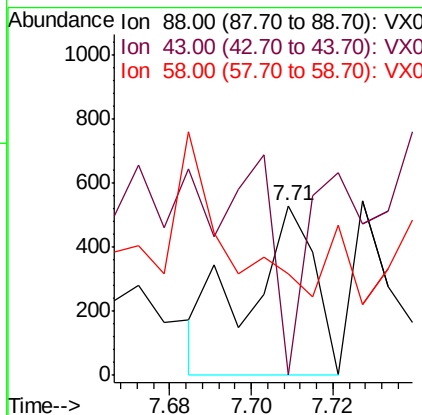
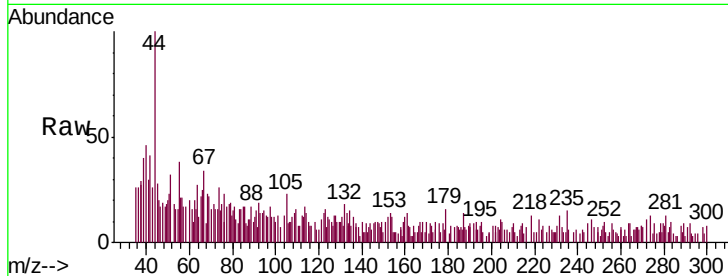
Instrument :

MSVOA_X

ClientSampleId :

KY062MW128-200406

Tgt Ion:	88	Resp:	607
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	0.0	60.6	90.8#



#50

Toluene-d8

Concen: 50.767 ug/l

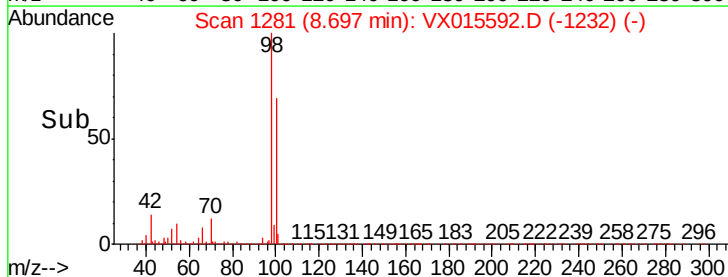
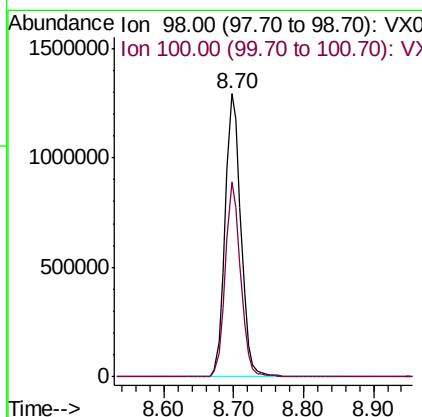
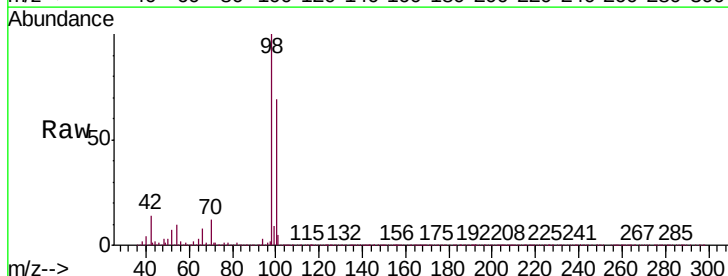
RT: 8.70 min Scan# 1281

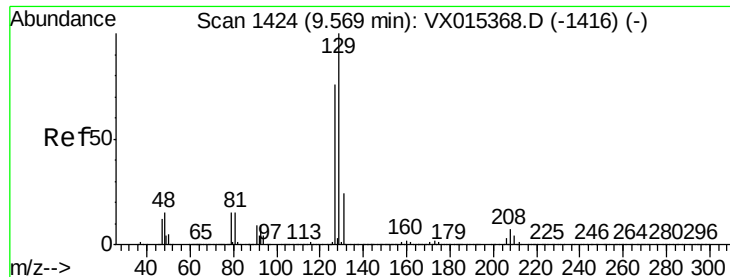
Delta R.T. -0.00 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Tgt Ion:	98	Resp:	2025932
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.5	80.3





#60

Dibromochloromethane

Concen: 10.668 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

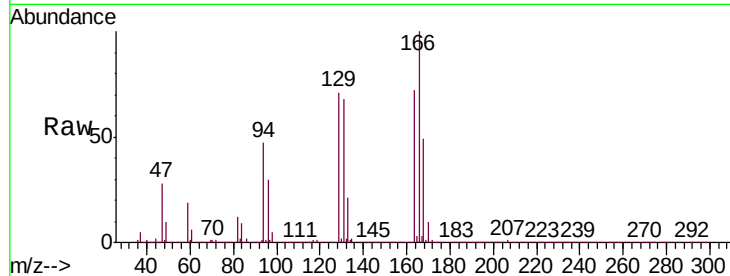
KY062MW128-200406

Tgt Ion:129 Resp: 148184

Ion Ratio Lower Upper

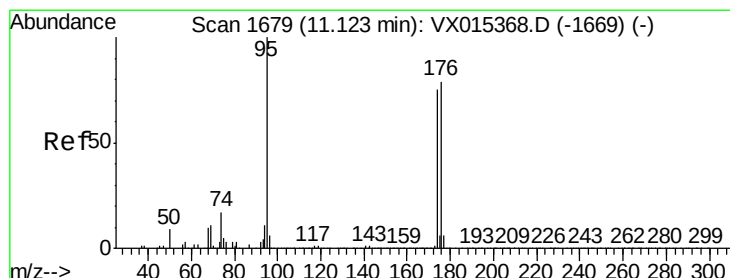
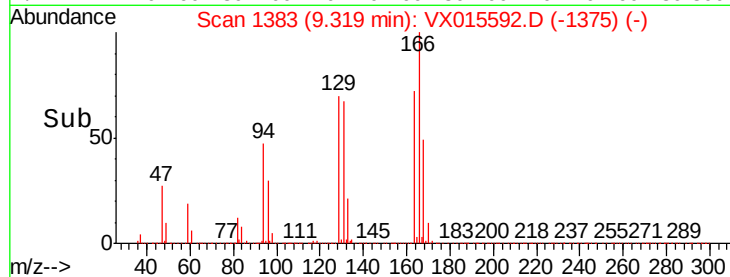
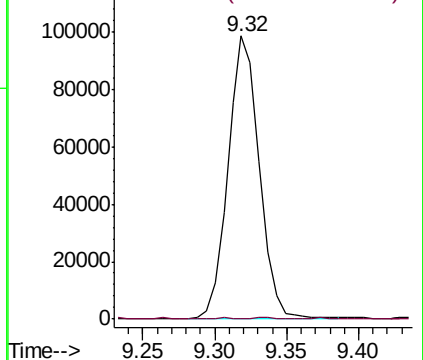
129 100

127 0.5 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: 54.300 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

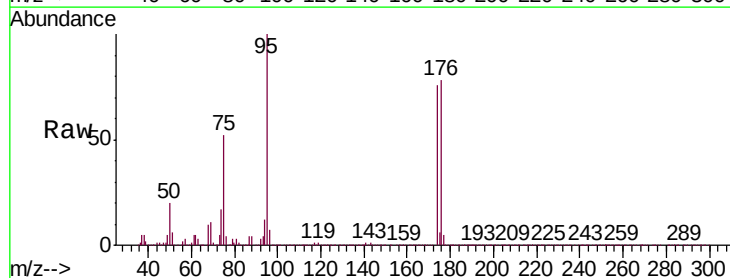
Tgt Ion: 95 Resp: 880637

Ion Ratio Lower Upper

95 100

174 80.4 0.0 158.6

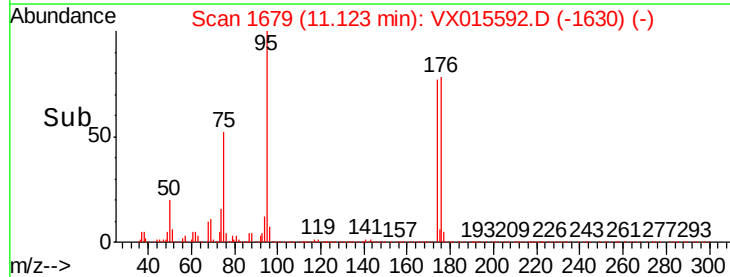
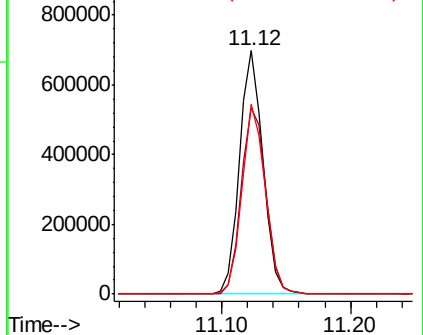
176 77.7 0.0 159.0

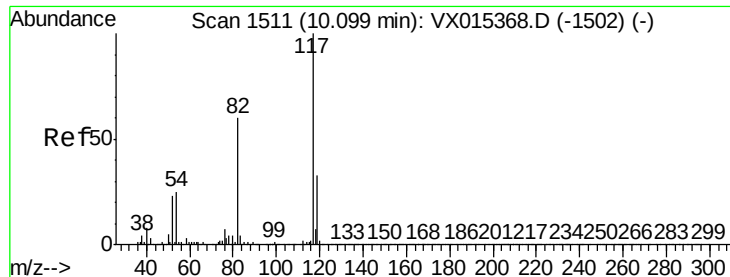


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

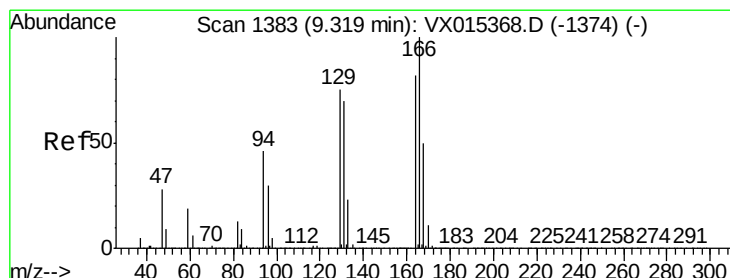
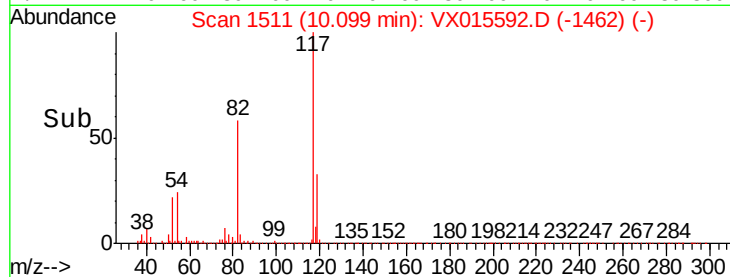
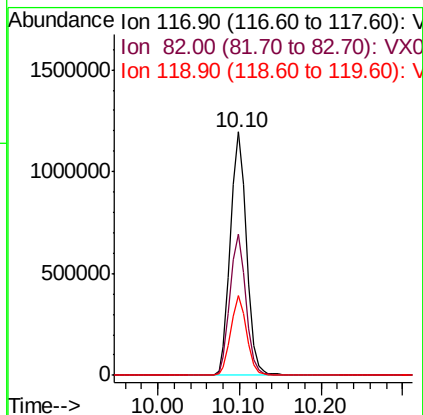
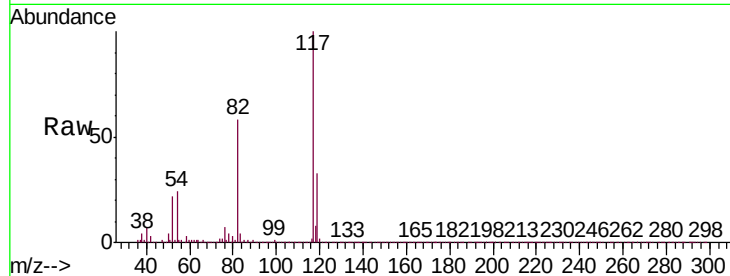




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

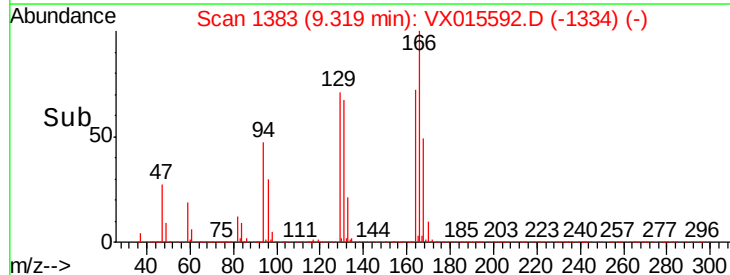
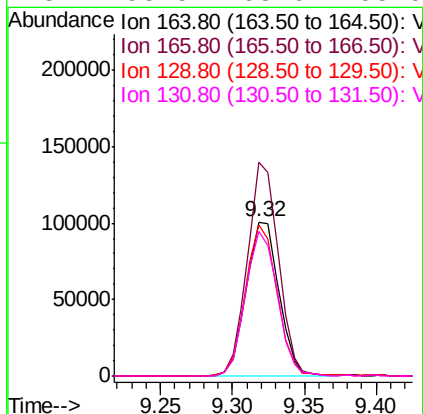
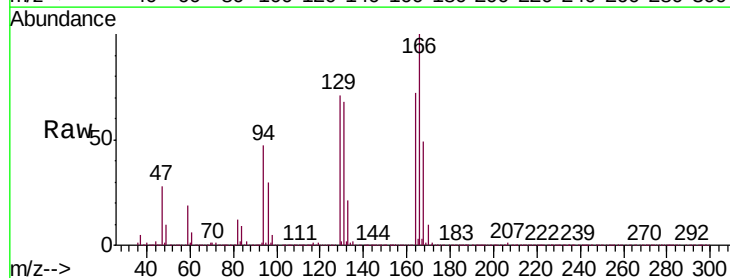
Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

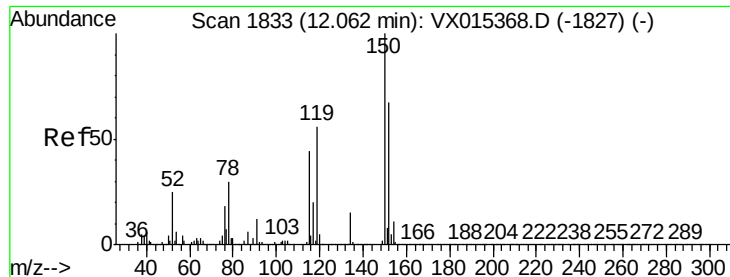
Tgt Ion:117 Resp: 1614148
Ion Ratio Lower Upper
117 100
82 58.1 47.8 71.8
119 32.7 26.8 40.2



#64
Tetrachloroethene
Concen: 12.987 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Tgt Ion:164 Resp: 158201
Ion Ratio Lower Upper
164 100
166 138.5 97.8 146.6
129 97.6 73.0 109.4
131 93.5 68.6 103.0



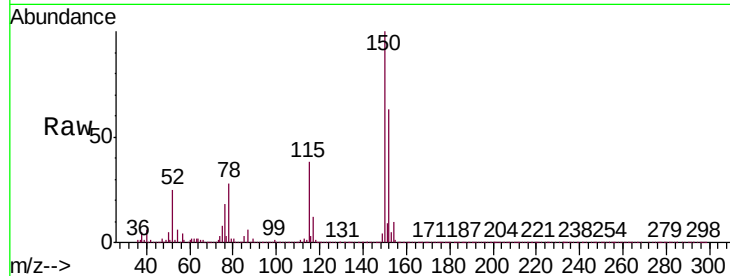


#72

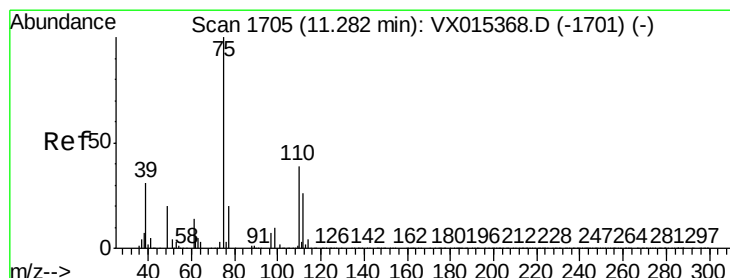
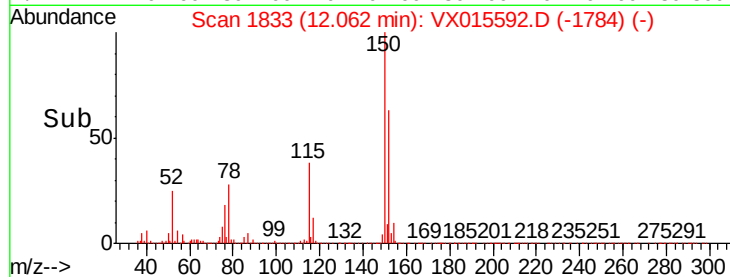
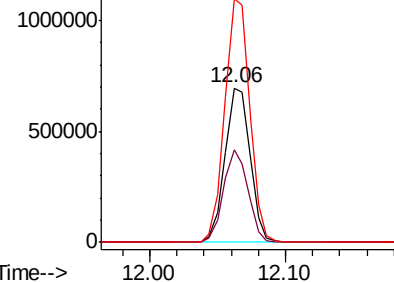
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Instrument :
MSVOA_X
ClientSampleId :
KY062MW128-200406

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	39.0	116.9
150	156.8	0.0	340.8



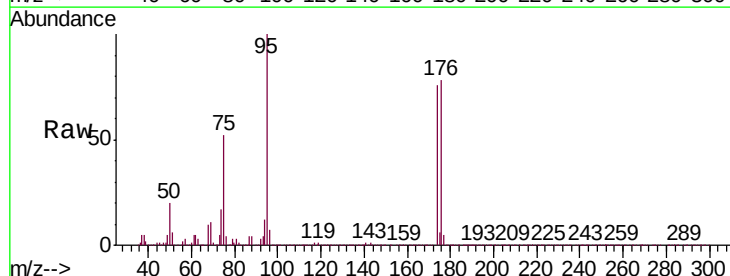
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



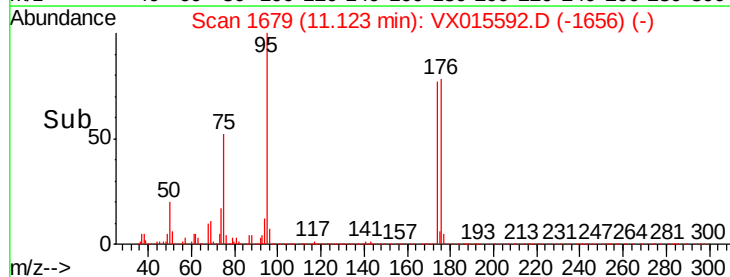
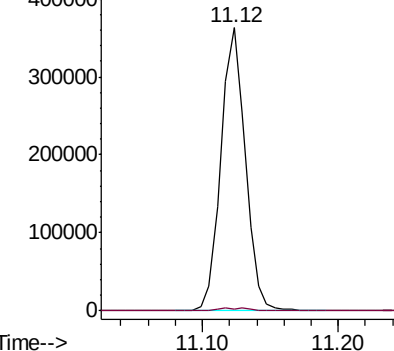
#76

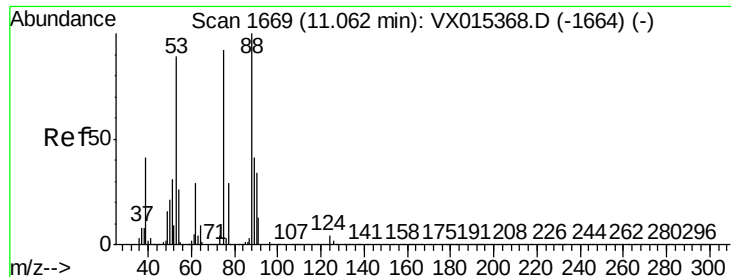
1,2,3-Trichloropropane
Concen: 24.590 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.16 min
Lab File: VX015592.D
Acq: 09 Apr 2020 13:30

Tgt 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: 59.002 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015592.D

Acq: 09 Apr 2020 13:30

Instrument :

MSVOA_X

ClientSampleId :

KY062MW128-200406

Tgt Ion: 75 Resp: 452721

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.1 36.1 54.1#

