

Data File : VX015591.D
Acq On : 09 Apr 2020 13:07
Operator : JC/SP
Sample : L2190-23
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW151-200407

Quant Time: Apr 10 04:45:50 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	1117750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1712782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1682699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	928772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	722913	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	5.47	113	541169	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	8.70	98	2074319	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.12	95	912499	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

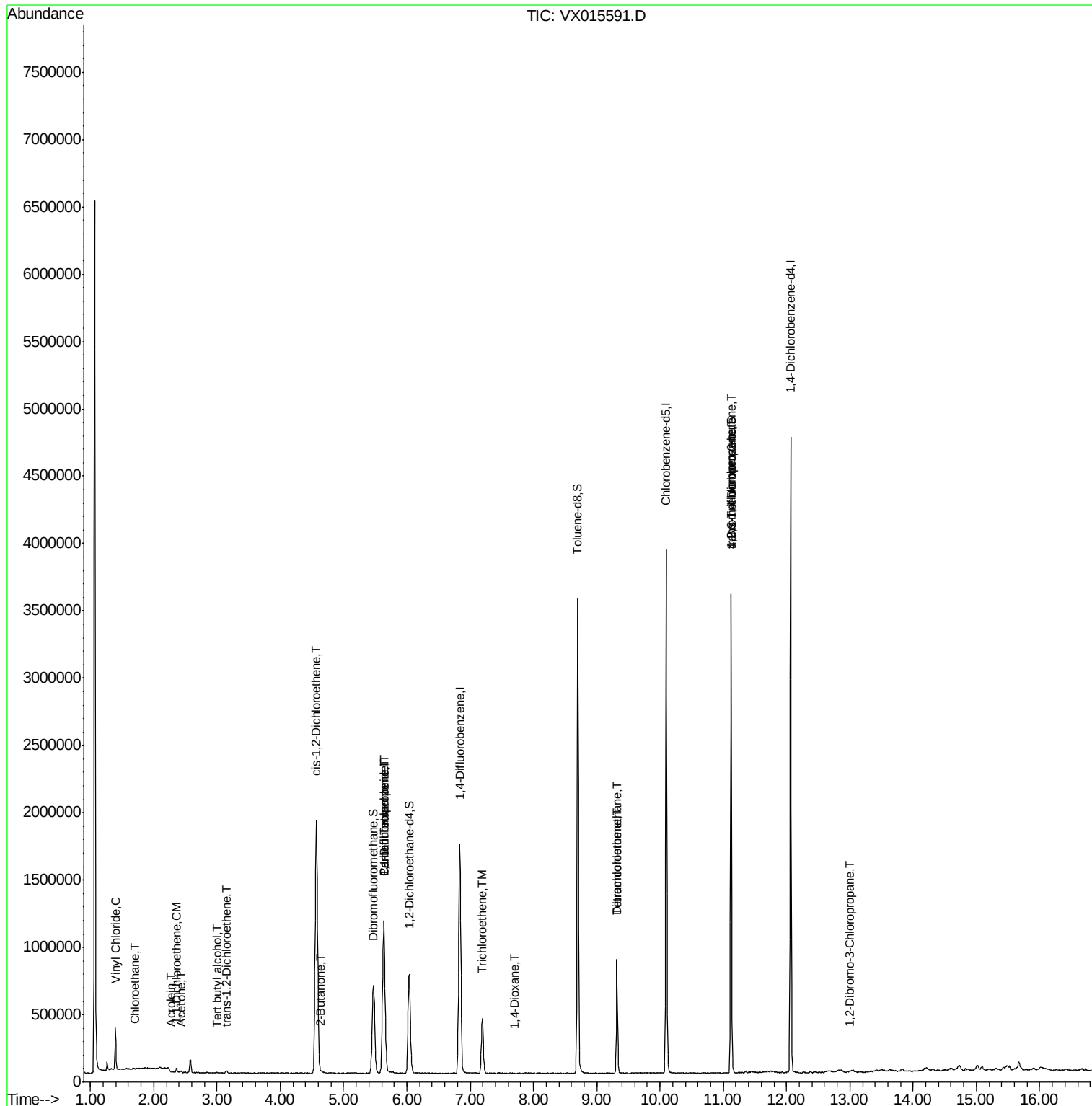
						Qvalue
4) Vinyl Chloride	1.39	62	183753	15.957	ug/l	98
5) Bromomethane	1.64	94	1531	Below Cal	#	67
6) Chloroethane	1.70	64	2039	0.286	ug/l #	77
11) Tert butyl alcohol	3.01	59	3938	1.044	ug/l #	16
12) 1,1-Dichloroethene	2.36	96	9920	0.940	ug/l	87
13) Acrolein	2.28	56	957	0.445	ug/l #	65
16) Acetone	2.42	43	10134	1.496	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	8334	0.712	ug/l	92
25) 2-Butanone	4.64	43	2234	0.205	ug/l #	52
27) cis-1,2-Dichloroethene	4.57	96	1144319	84.454	ug/l	91
36) 1,1-Dichloropropene	5.63	75	78791	4.993	ug/l #	46
38) Carbon Tetrachloride	5.64	117	100475	5.878	ug/l #	15
44) Trichloroethene	7.19	130	161989	12.849	ug/l	94
49) 1,4-Dioxane	7.71	88	452	1.398	ug/l #	1
60) Dibromochloromethane	9.32	129	156147	11.128	ug/l #	12
64) Tetrachloroethene	9.32	164	170422	13.420	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	464557	24.323	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	464557	58.362	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1393	0.236	ug/l #	13

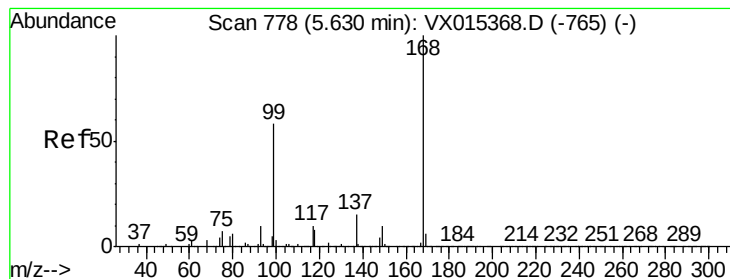
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

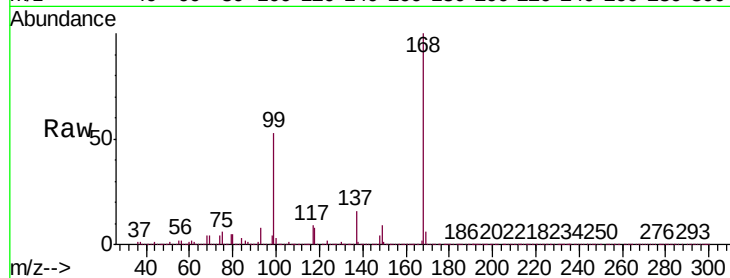
ST008MW151-200407

Tgt Ion:168 Resp: 1117750

Ion Ratio Lower Upper

168 100

99 52.7 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

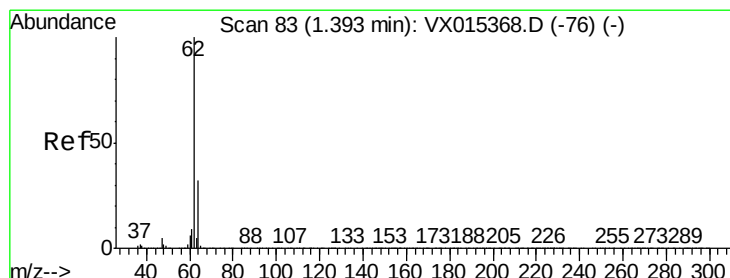
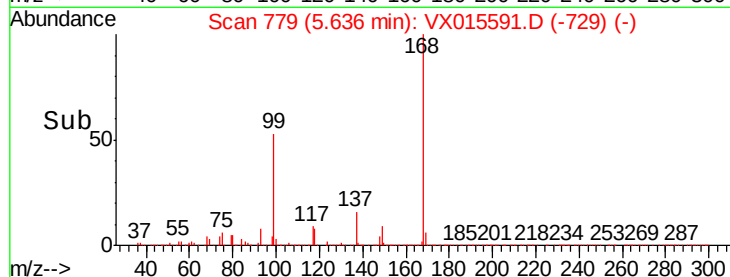
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 15.957 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015591.D

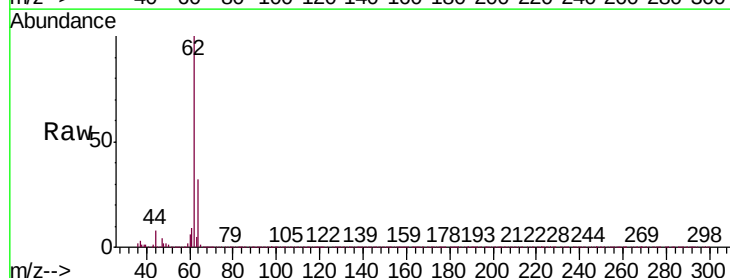
Acq: 09 Apr 2020 13:07

Tgt Ion: 62 Resp: 183753

Ion Ratio Lower Upper

62 100

64 31.5 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

200000

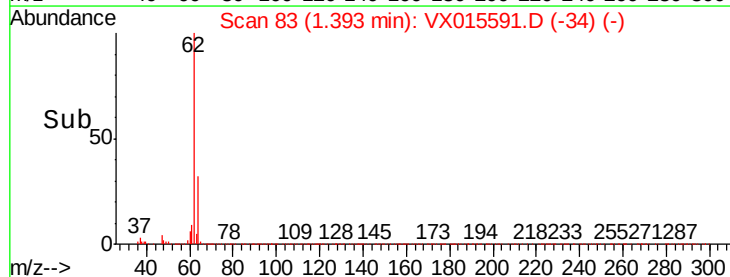
150000

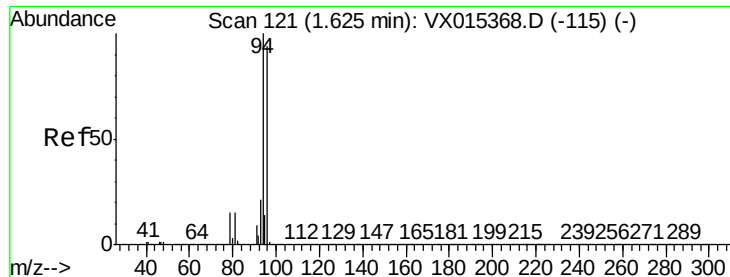
100000

50000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

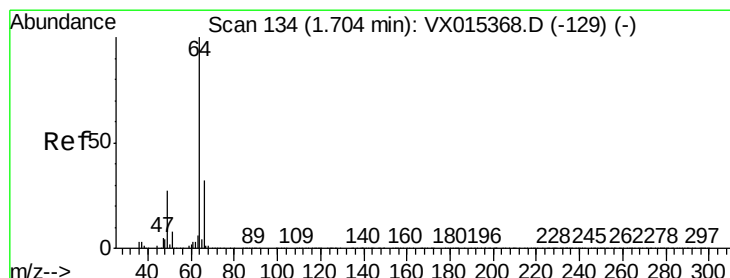
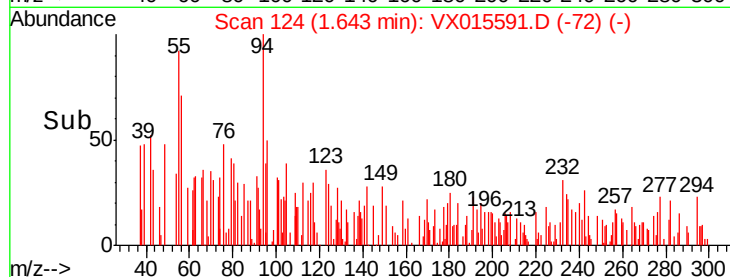
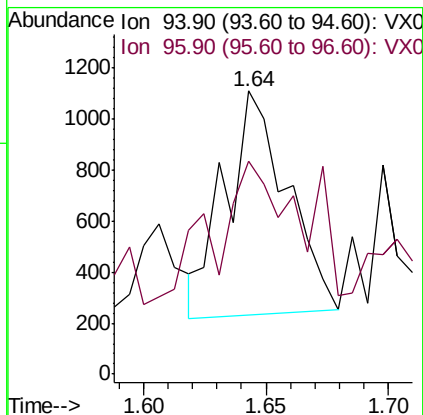
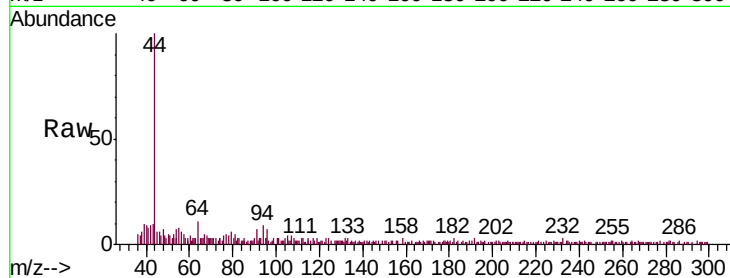
ST008MW151-200407

Tgt Ion: 94 Resp: 1531

Ion Ratio Lower Upper

94 100

96 61.6 74.8 112.2#



#6

Chloroethane

Concen: 0.286 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX015591.D

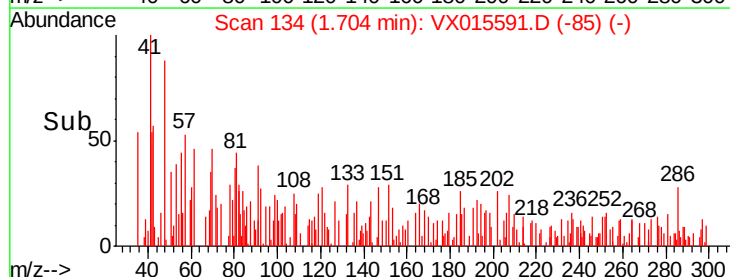
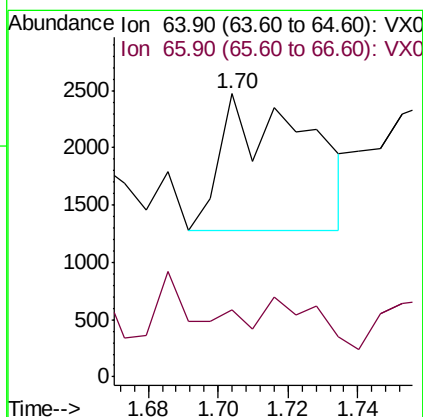
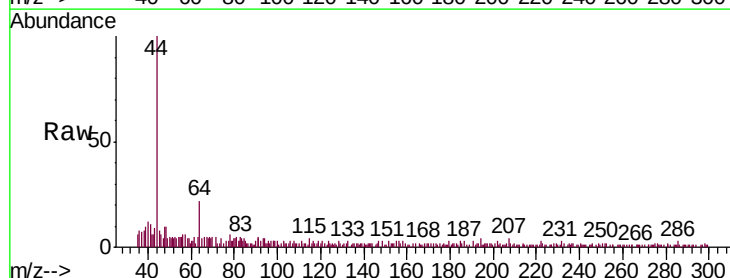
Acq: 09 Apr 2020 13:07

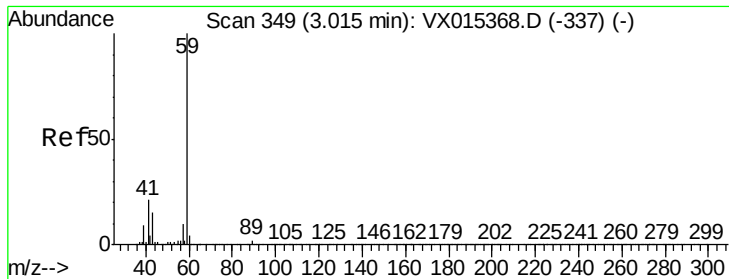
Tgt Ion: 64 Resp: 2039

Ion Ratio Lower Upper

64 100

66 19.1 25.4 38.2#

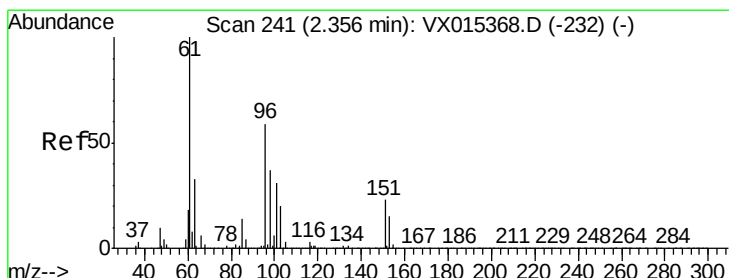
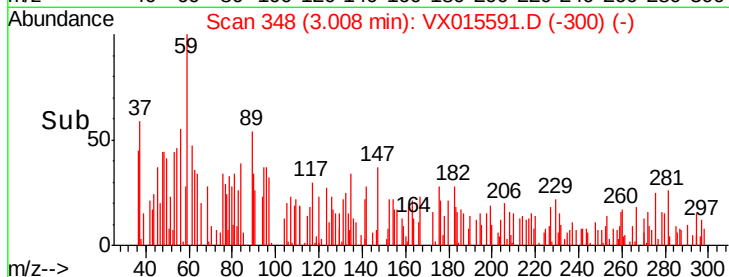
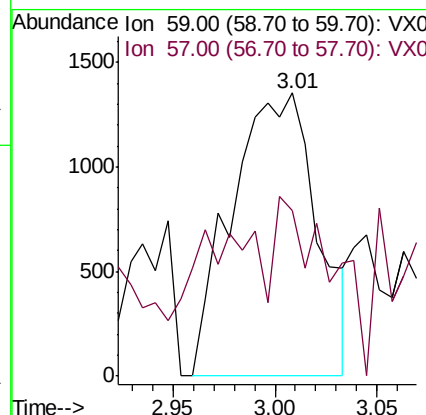
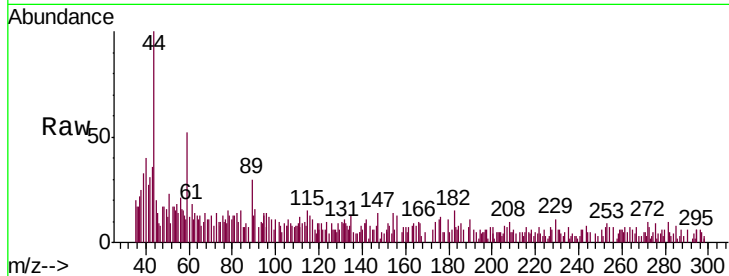




#11
Tert butyl alcohol
Concen: 1.044 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

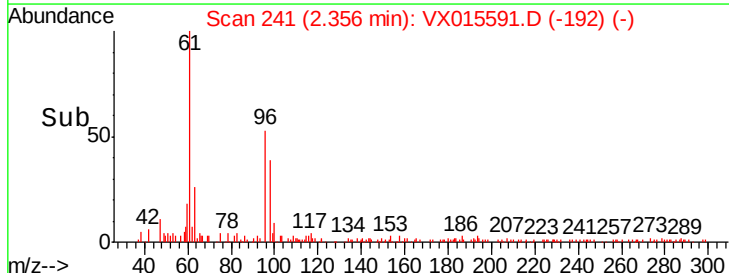
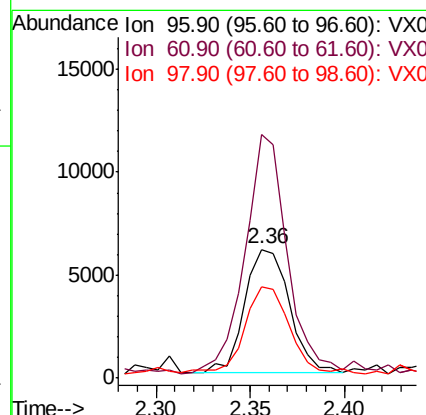
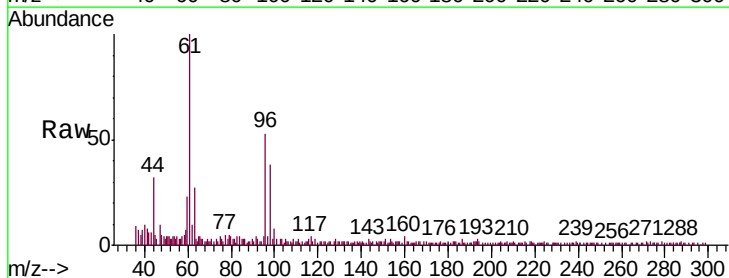
Instrument :
MSVOA_X
ClientSampleId :
ST008MW151-200407

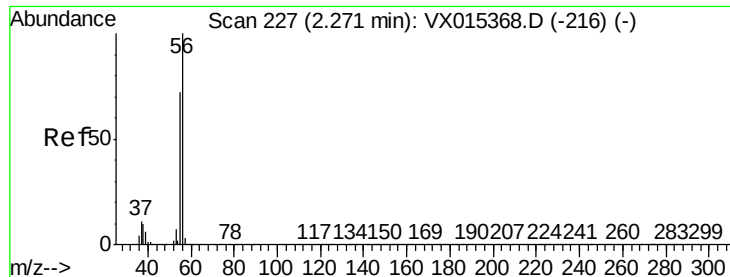
Tgt Ion: 59 Resp: 3938
Ion Ratio Lower Upper
59 100
57 41.3 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 0.940 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

Tgt Ion: 96 Resp: 9920
Ion Ratio Lower Upper
96 100
61 192.0 135.7 203.5
98 67.2 50.6 75.8





#13

Acrolein

Concen: 0.445 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

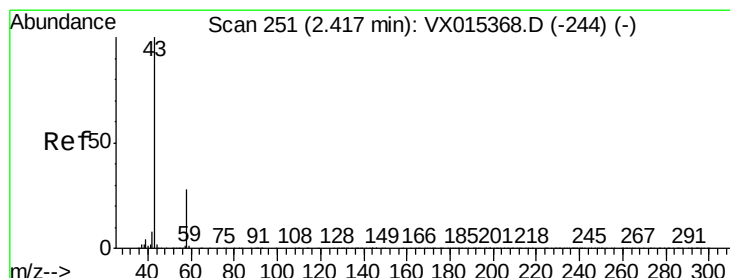
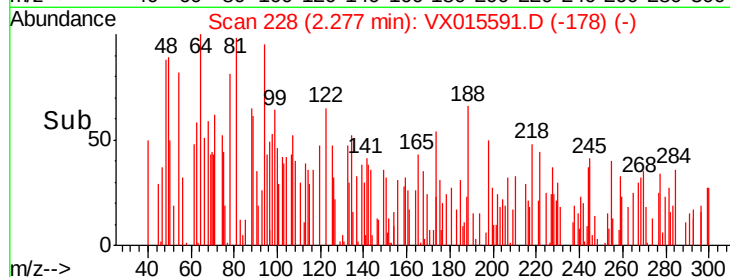
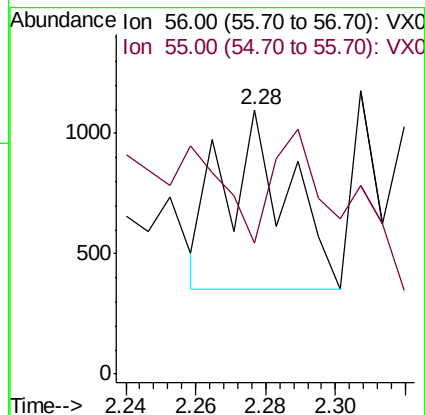
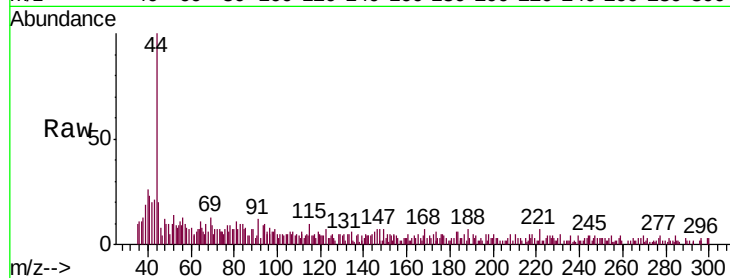
ST008MW151-200407

Tgt Ion: 56 Resp: 957

Ion Ratio Lower Upper

56 100

55 100.3 57.0 85.4#



#16

Acetone

Concen: 1.496 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015591.D

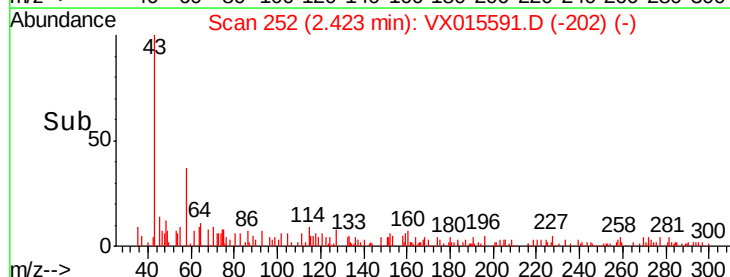
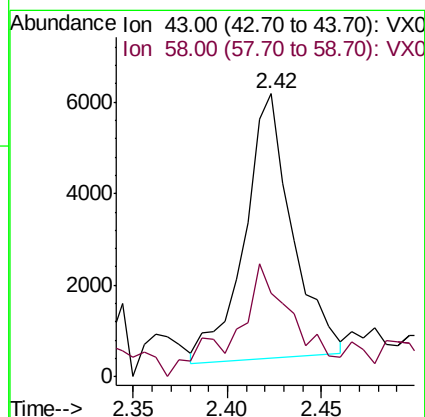
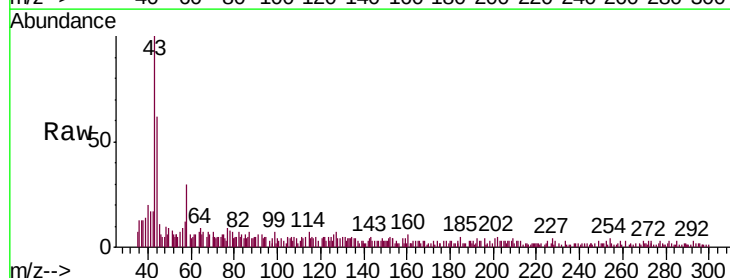
Acq: 09 Apr 2020 13:07

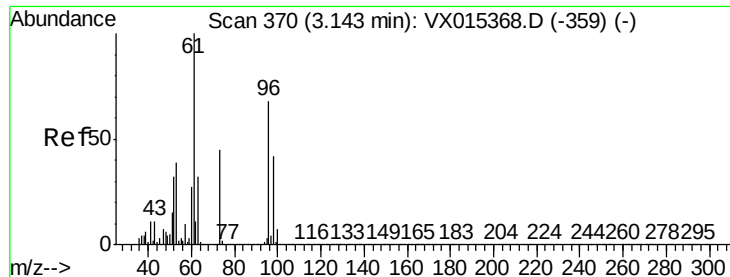
Tgt Ion: 43 Resp: 10134

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1





#21

trans-1,2-Dichloroethene

Concen: 0.712 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

ST008MW151-200407

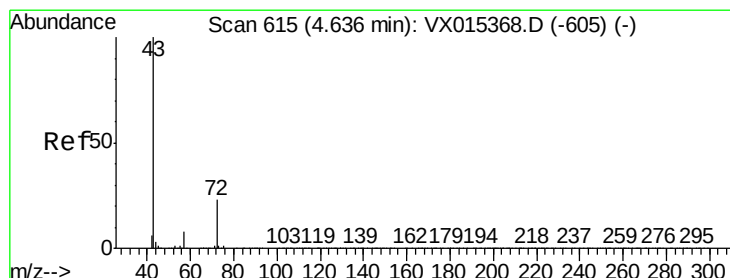
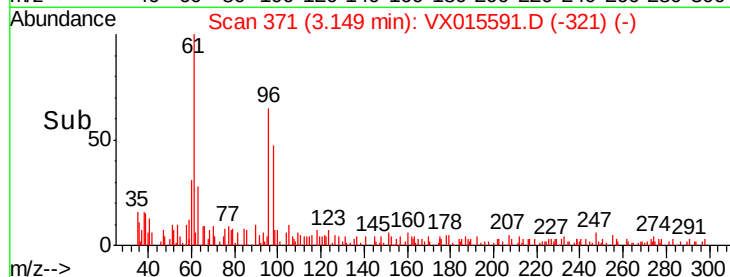
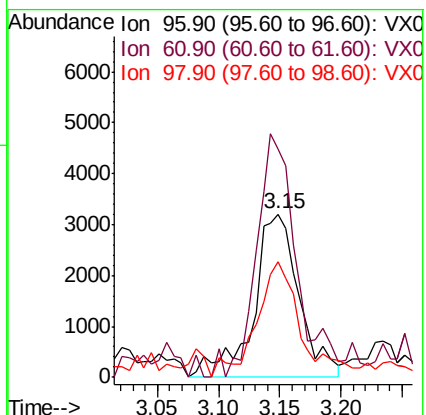
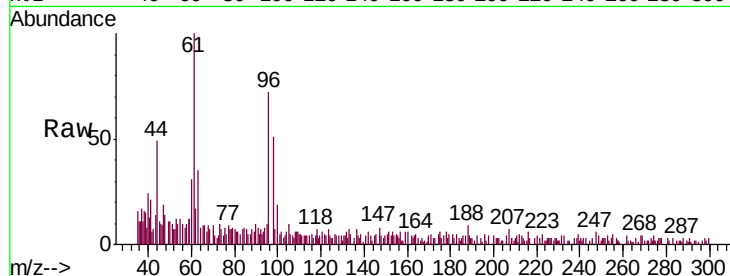
Tgt Ion: 96 Resp: 8334

Ion Ratio Lower Upper

96 100

61 136.9 116.9 175.3

98 68.5 48.6 73.0



#25

2-Butanone

Concen: 0.205 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.00 min

Lab File: VX015591.D

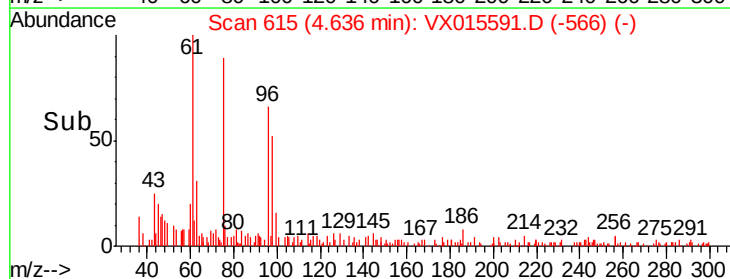
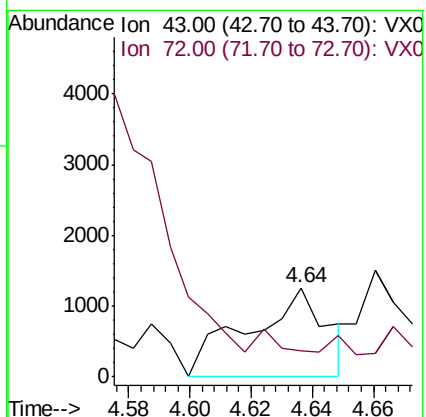
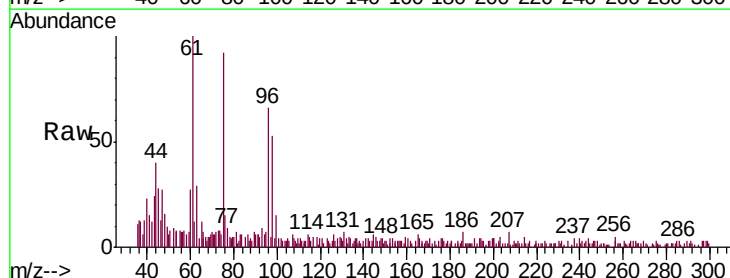
Acq: 09 Apr 2020 13:07

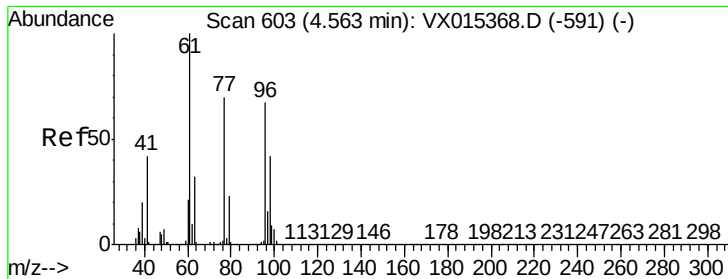
Tgt Ion: 43 Resp: 2234

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.4#



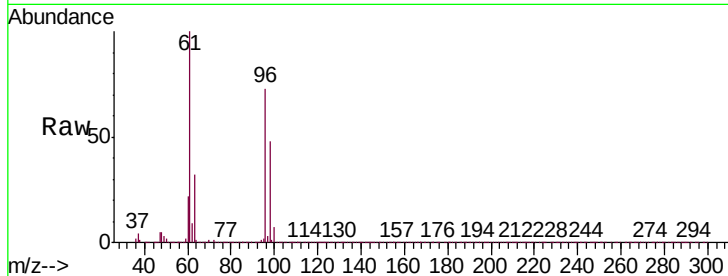


#27

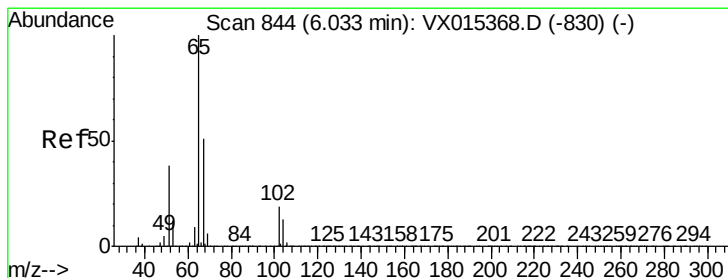
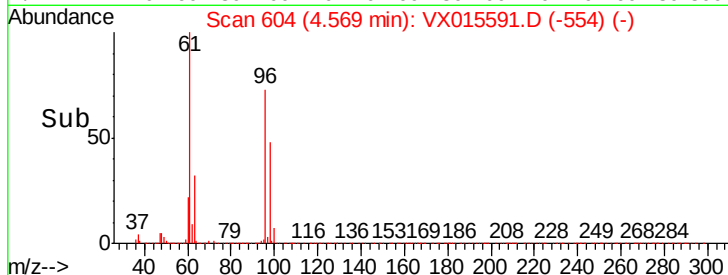
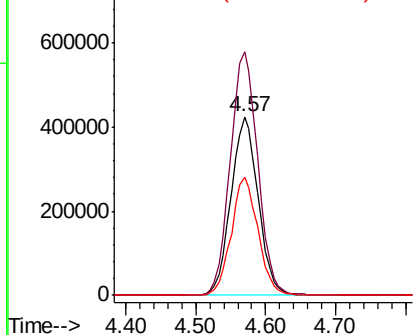
cis-1,2-Dichloroethene
 Concen: 84.454 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW151-200407

Tgt Ion: 96 Resp: 1144319
 Ion Ratio Lower Upper
 96 100
 61 137.9 0.0 308.4
 98 65.1 0.0 129.2



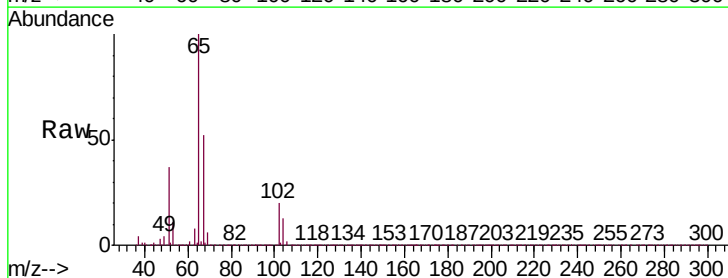
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



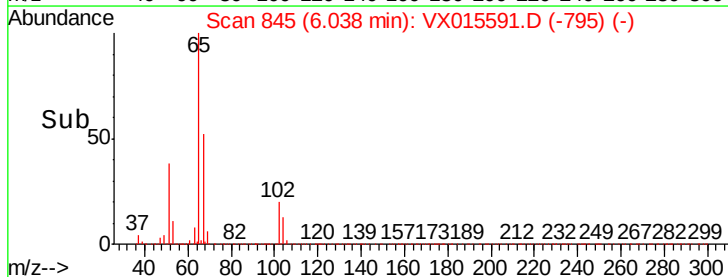
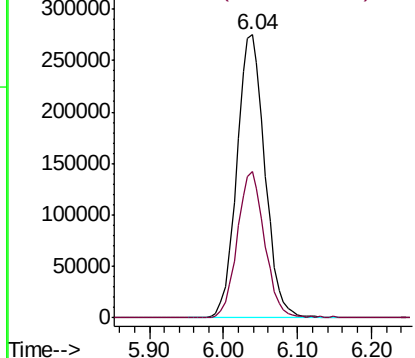
#33

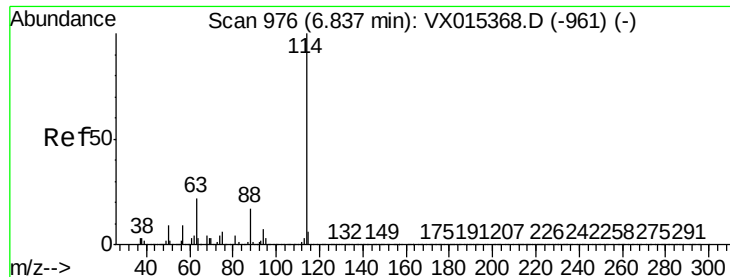
1,2-Dichloroethane-d4
 Concen: 45.857 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

Tgt Ion: 65 Resp: 722913
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

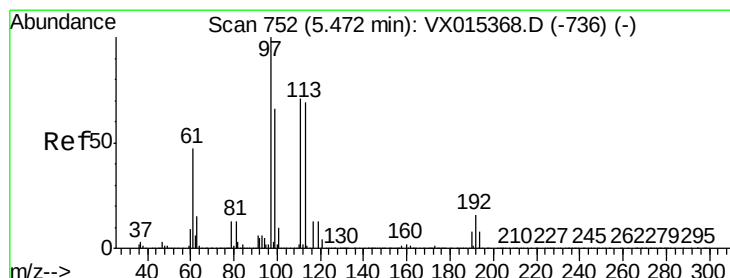
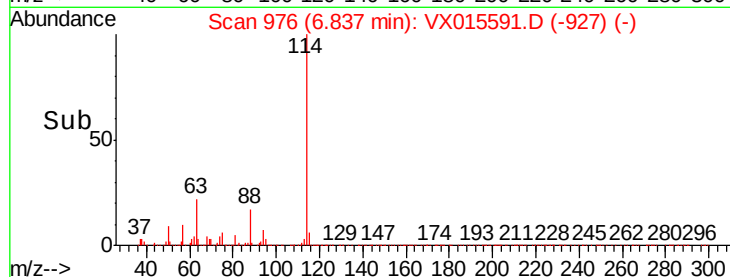
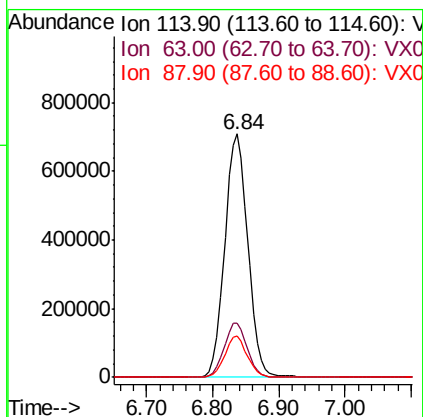
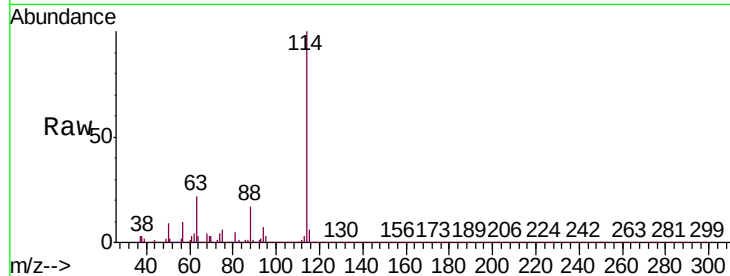




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

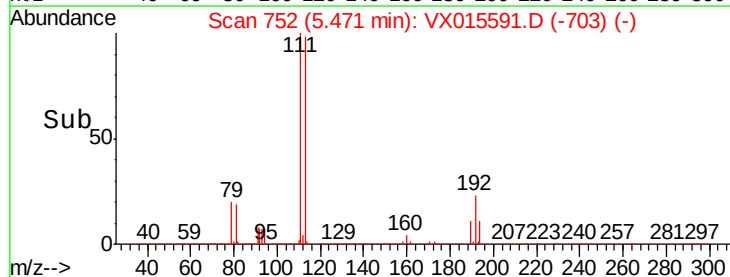
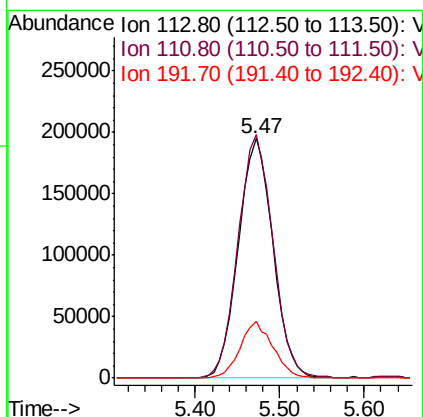
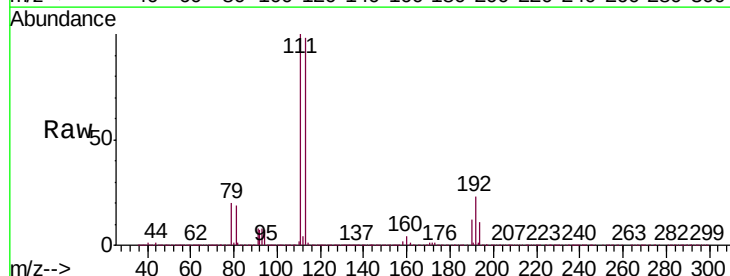
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 ST008MW151-200407

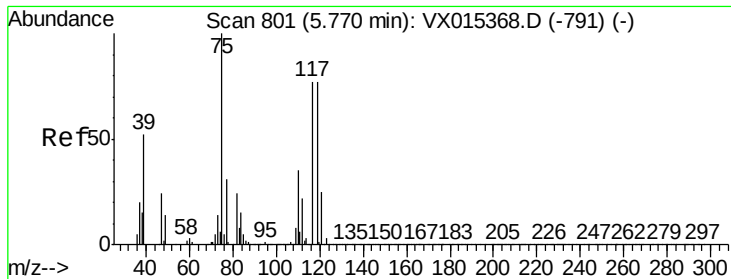
Tgt Ion:114 Resp: 1712782
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.2
 88 17.1 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 49.428 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

Tgt Ion:113 Resp: 541169
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.5 122.3
 192 22.4 17.8 26.6

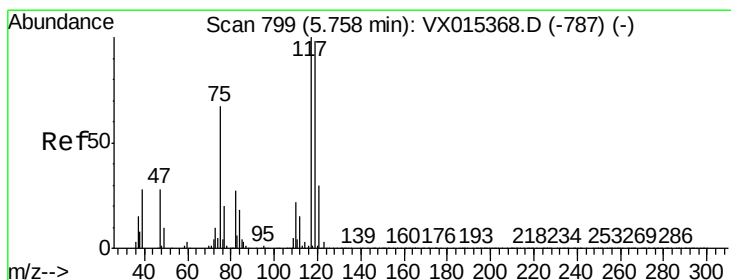
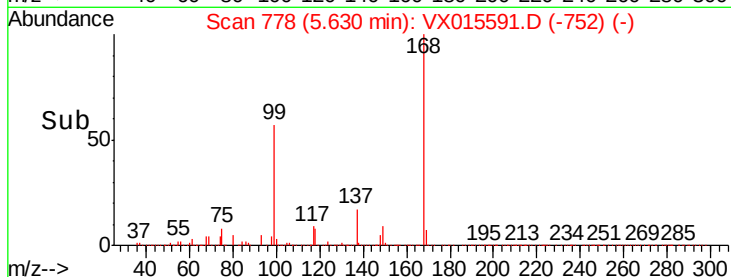
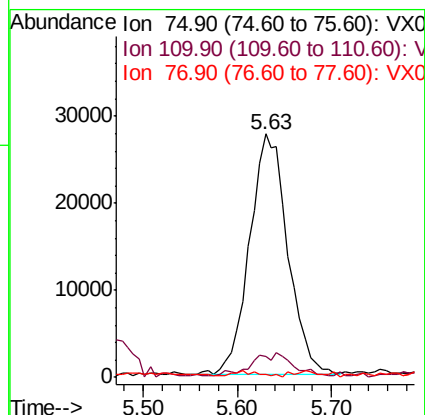
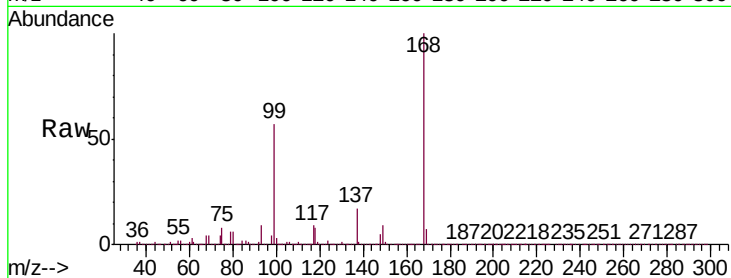




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.14 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

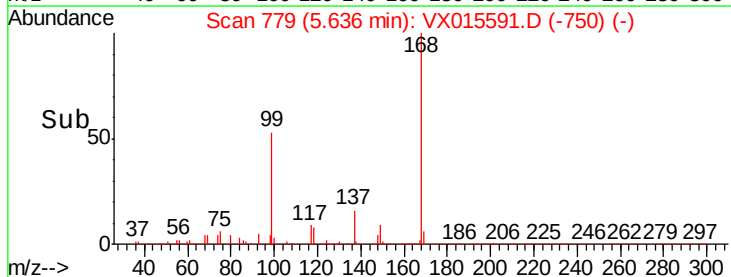
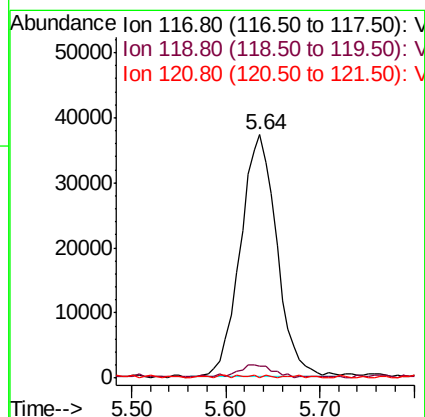
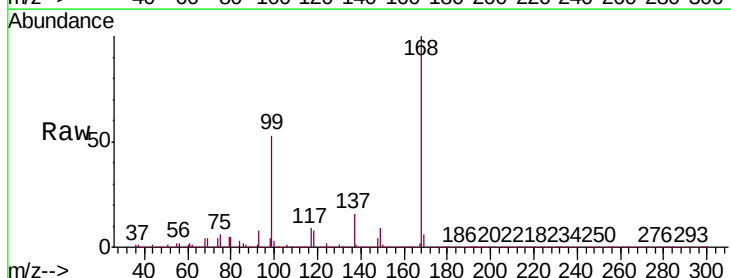
Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW151-200407

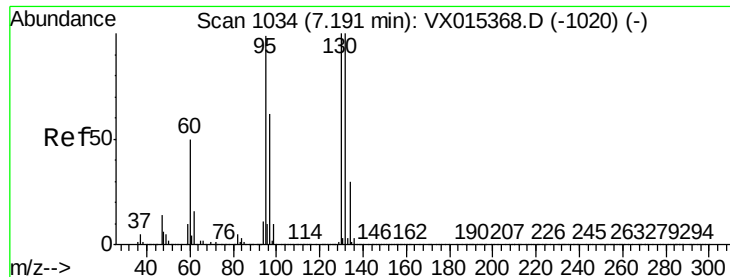
Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.8	17.1	51.3#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.878 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.12 min
 Lab File: VX015591.D
 Acq: 09 Apr 2020 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.0	117.0#
121	0.3	23.8	35.8#





#44

Trichloroethene

Concen: 12.849 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

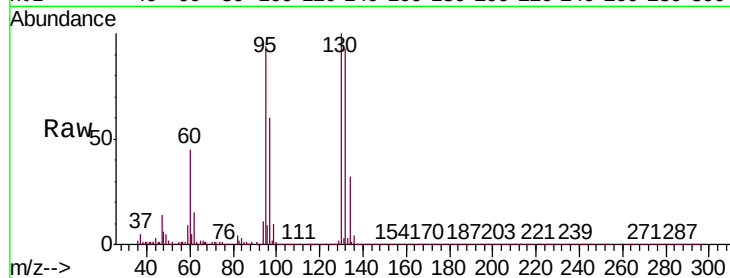
ST008MW151-200407

Tgt Ion:130 Resp: 161989

Ion Ratio Lower Upper

130 100

95 93.3 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

80000

60000

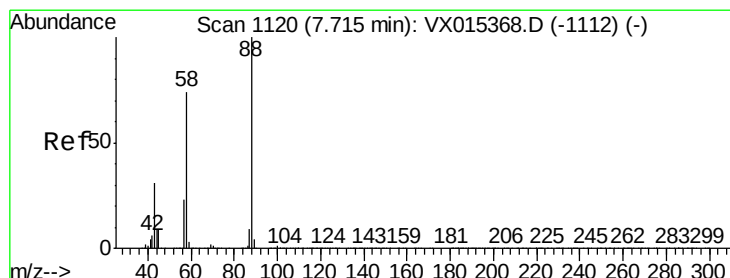
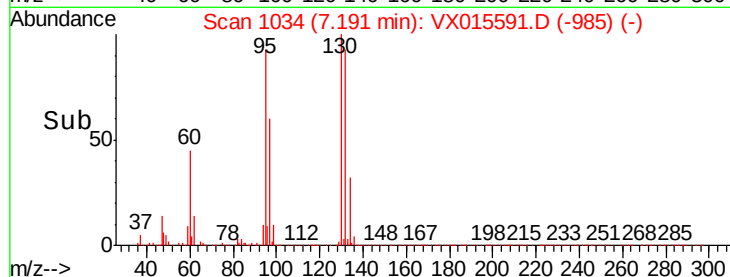
40000

20000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 1.398 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

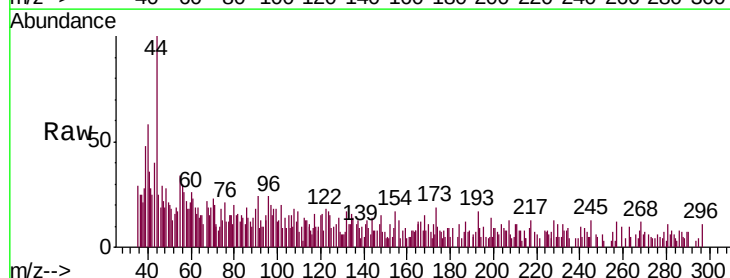
Tgt Ion: 88 Resp: 452

Ion Ratio Lower Upper

88 100

43 86.3 30.1 45.1#

58 379.9 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

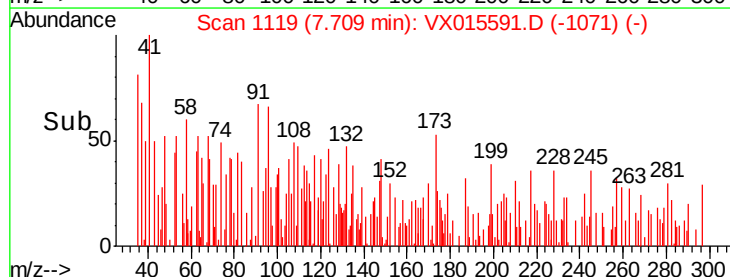
1000

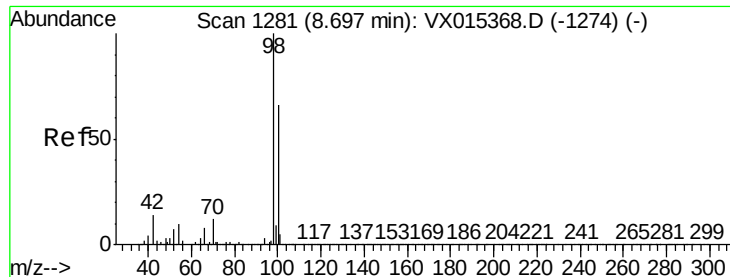
500

0

7.70 7.72

Time-->





#50

Toluene-d8

Concen: 51.460 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015591.D

Acq: 09 Apr 2020 13:07

Instrument :

MSVOA_X

ClientSampleId :

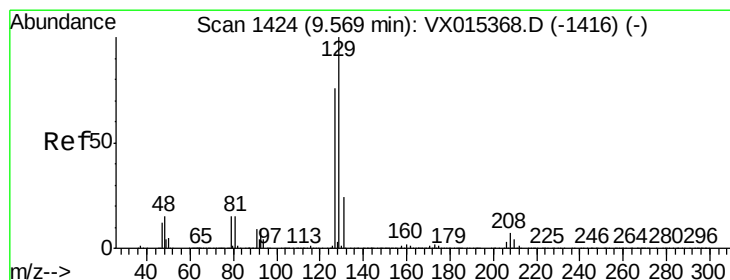
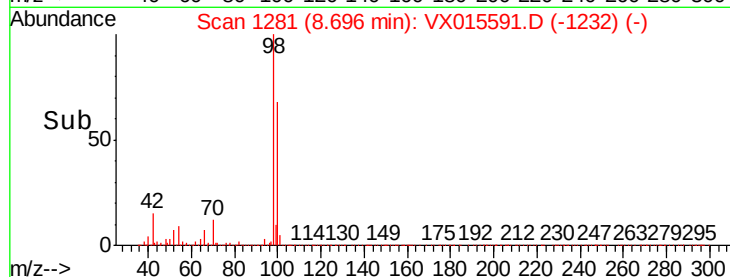
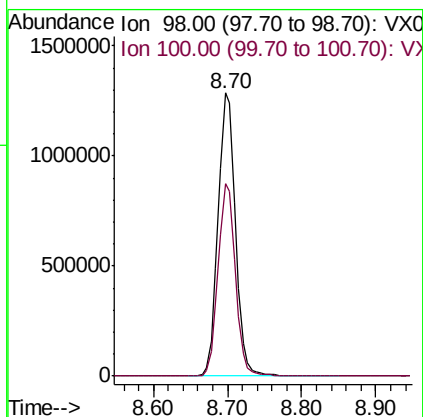
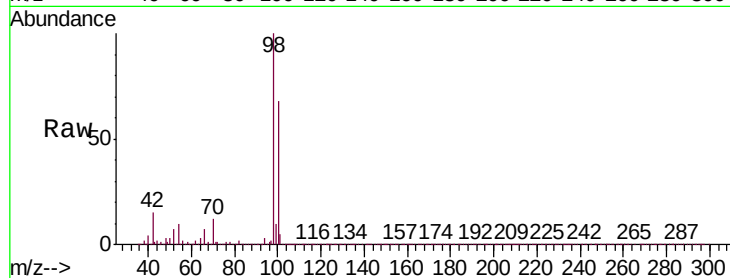
ST008MW151-200407

Tgt Ion: 98 Resp: 2074319

Ion Ratio Lower Upper

98 100

100 67.6 53.5 80.3



#60

Dibromochloromethane

Concen: 11.128 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015591.D

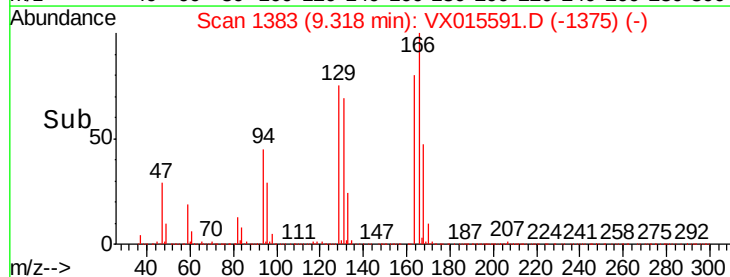
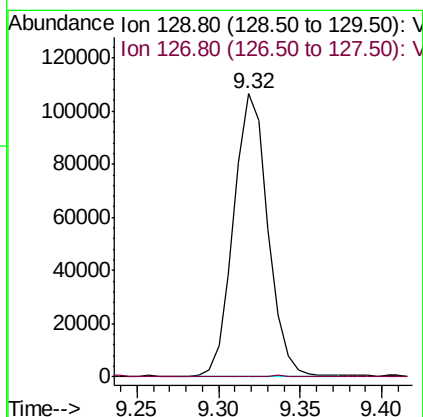
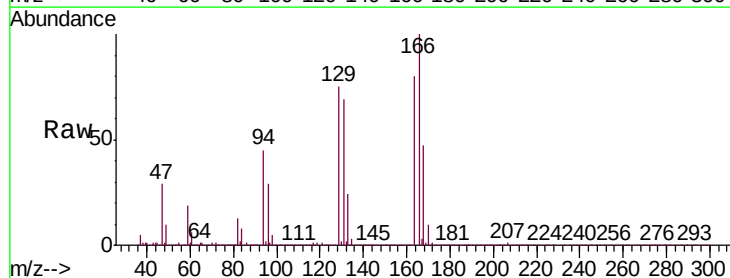
Acq: 09 Apr 2020 13:07

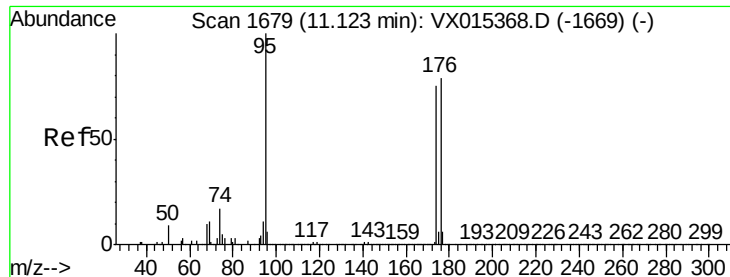
Tgt Ion: 129 Resp: 156147

Ion Ratio Lower Upper

129 100

127 0.5 38.2 114.6#

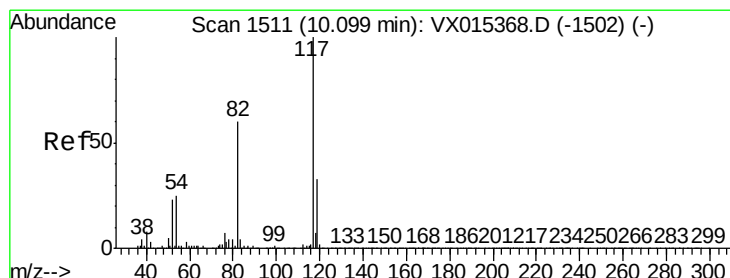
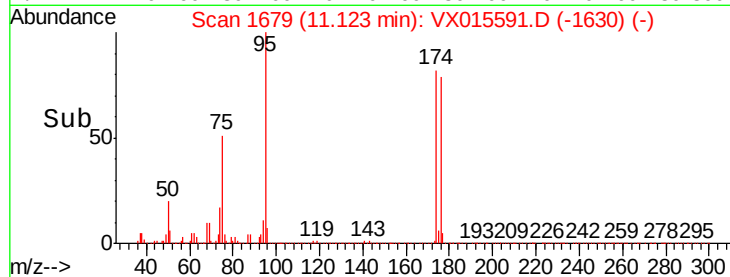
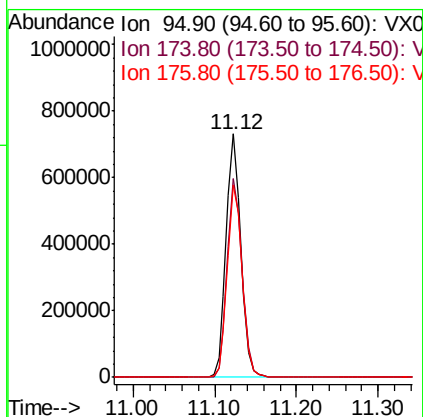
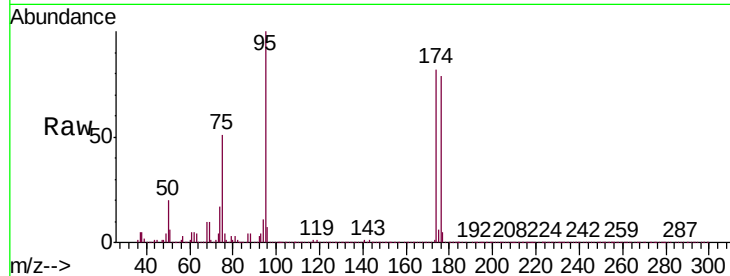




#62
4-Bromofluorobenzene
Concen: 55.701 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

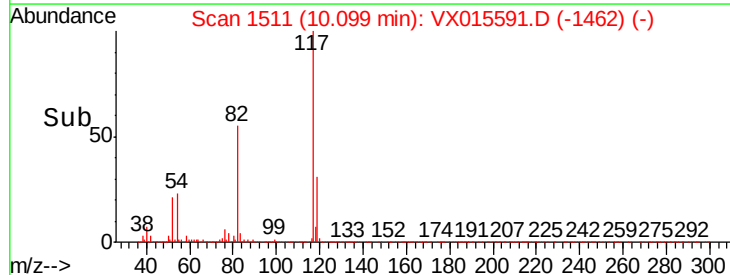
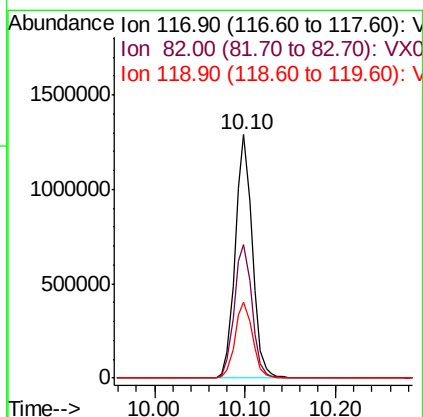
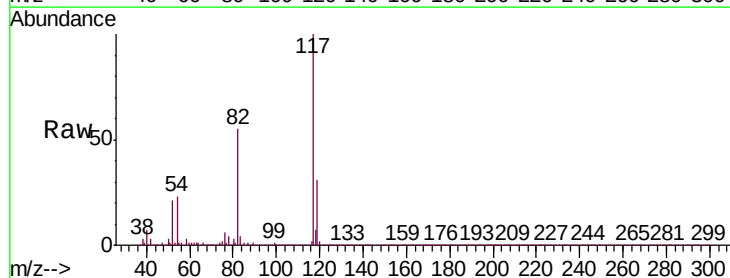
Instrument :
MSVOA_X
ClientSampleId :
ST008MW151-200407

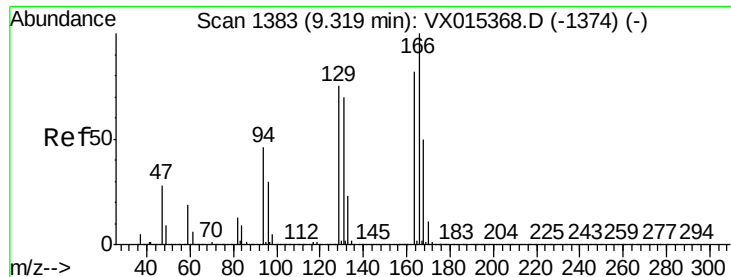
Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	158.6
176	79.7	0.0	159.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	47.8	71.8
119	31.0	26.8	40.2

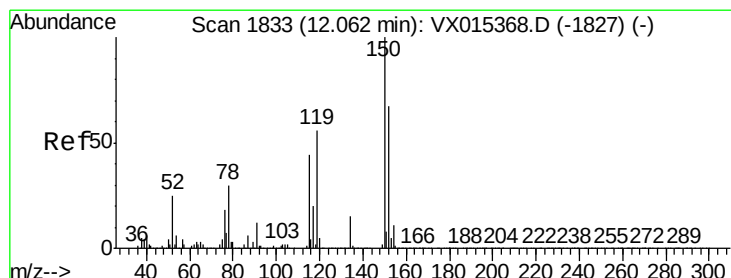
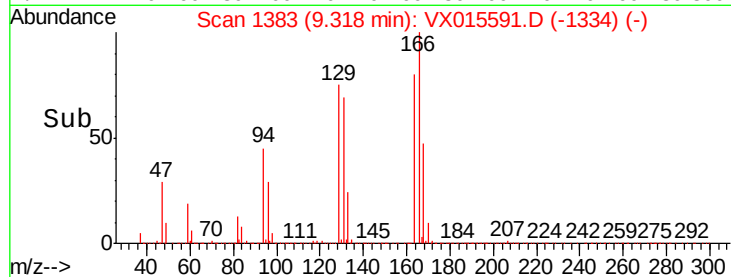
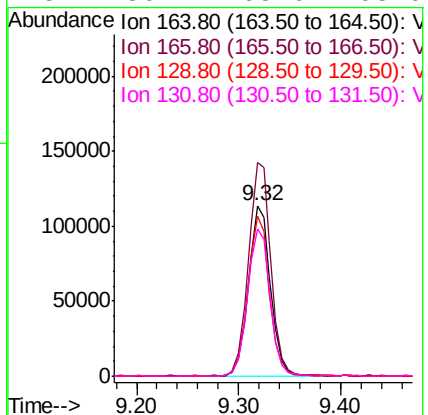
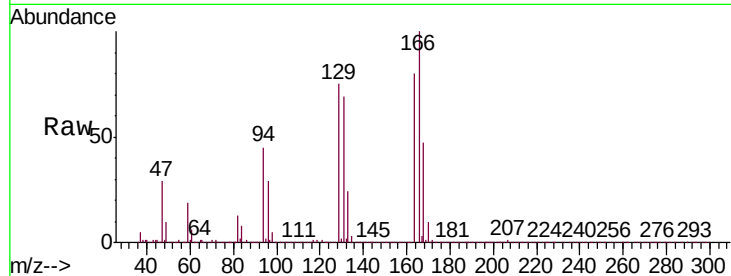




#64
Tetrachloroethene
Concen: 13.420 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

Instrument :
MSVOA_X
ClientSampleId :
ST008MW151-200407

Tgt Ion:	164	Resp:	170422
Ion	Ratio	Lower	Upper
164	100		
166	125.3	97.8	146.6
129	93.6	73.0	109.4
131	86.4	68.6	103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015591.D
Acq: 09 Apr 2020 13:07

Tgt Ion:	152	Resp:	928772
Ion	Ratio	Lower	Upper
152	100		
115	57.6	39.0	116.9
150	156.8	0.0	340.8

