

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012794.D
 Acq On : 03 Oct 2019 19:20
 Operator : JC/SP
 Sample : K5189-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

Quant Time: Oct 04 06:51:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	173362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120466	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	5.49	113	89679	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	8.71	98	349100	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.13	95	112159	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	

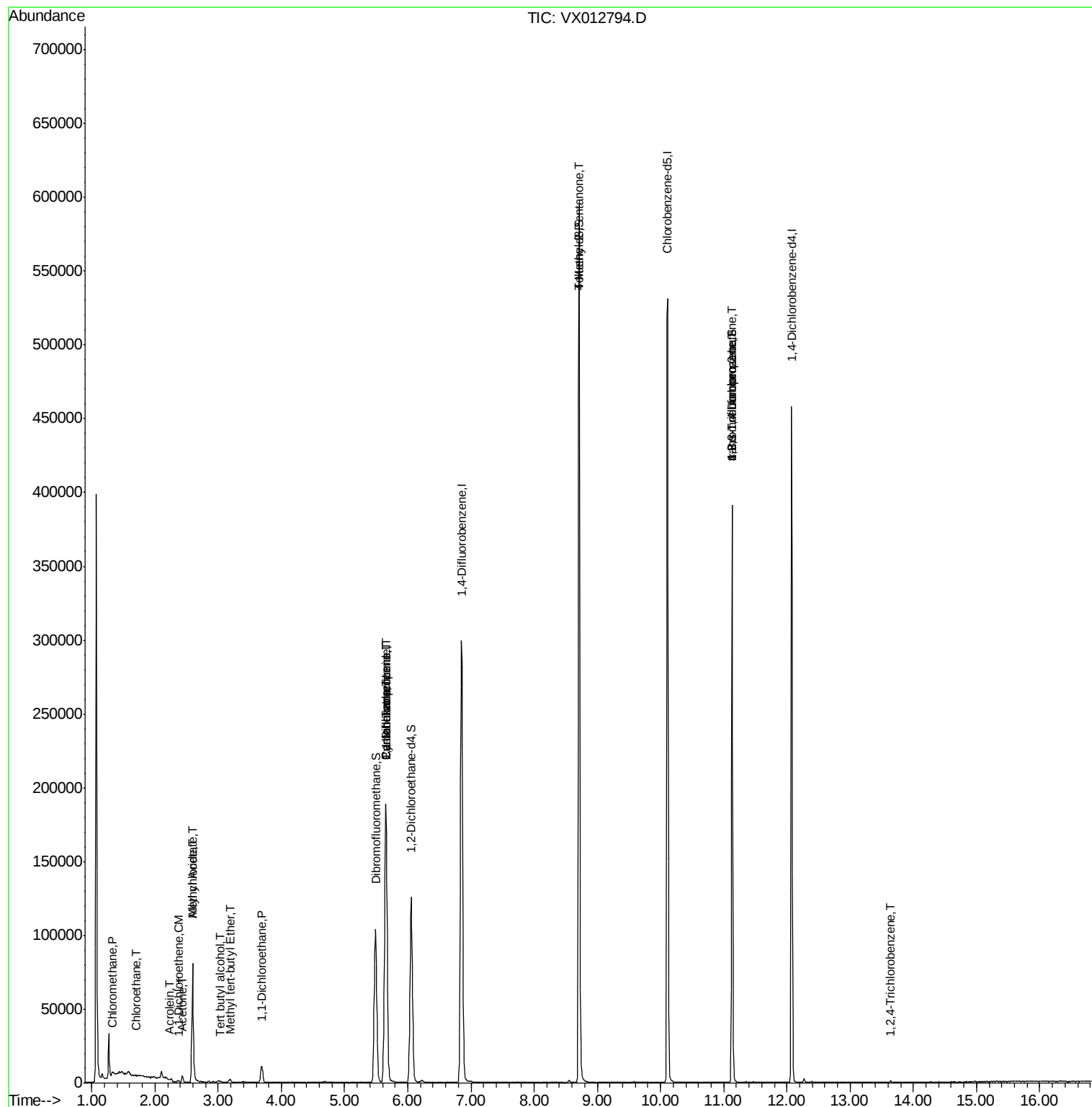
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1203	0.537	ug/l	93
6) Chloroethane	1.70	64	301	0.201	ug/l #	58
11) Tert butyl alcohol	3.03	59	852	1.351	ug/l #	85
12) 1,1-Dichloroethene	2.37	96	381	0.204	ug/l #	70
13) Acrolein	2.23	56	42	10.348	ug/l #	1
14) Allyl chloride	2.59	41	7878	2.130	ug/l #	61
16) Acetone	2.43	43	4878	3.648	ug/l	99
18) Methyl Acetate	2.59	43	22137	7.031	ug/l #	54
19) Methyl tert-butyl Ether	3.18	73	2420	0.343	ug/l	98
24) 1,1-Dichloroethane	3.69	63	12806	3.297	ug/l	98
31) Cyclohexane	5.65	56	4003	1.139	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14773	5.170	ug/l #	47
38) Carbon Tetrachloride	5.65	117	18106	6.237	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	1709	0.496	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56221	23.731	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56221	68.008	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	418	0.230	ug/l	95

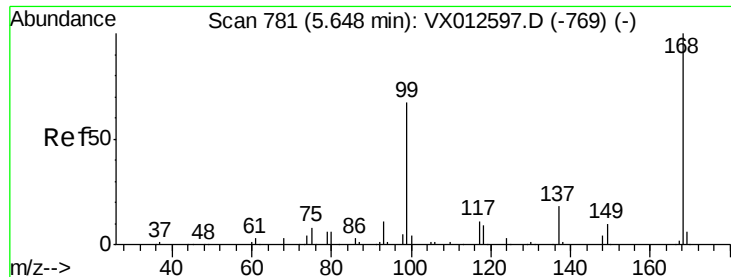
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

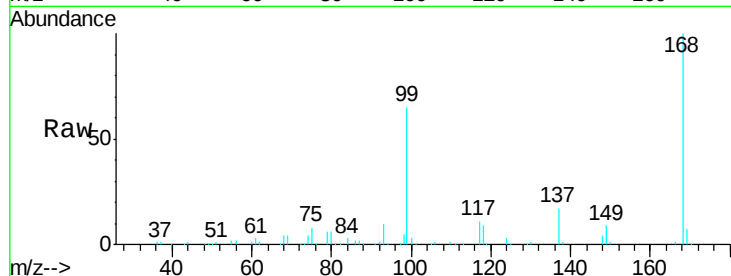
SA-MW128D-20190930

Tgt Ion:168 Resp: 173362

Ion Ratio Lower Upper

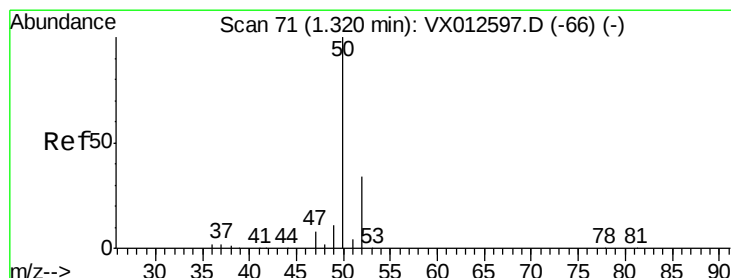
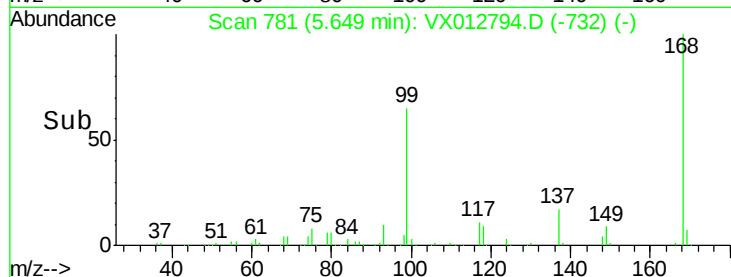
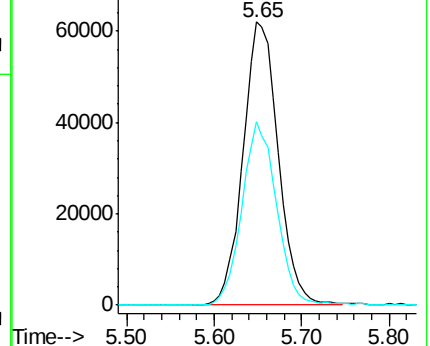
168 100

99 64.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.537 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012794.D

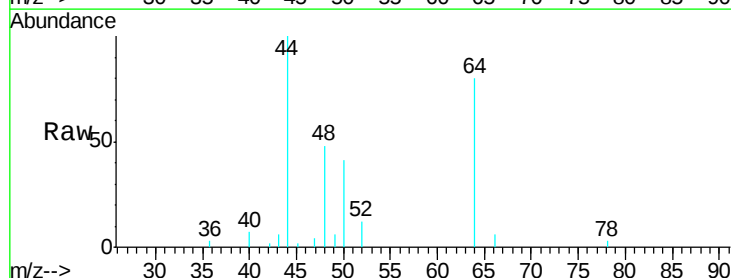
Acq: 03 Oct 2019 19:20

Tgt Ion: 50 Resp: 1203

Ion Ratio Lower Upper

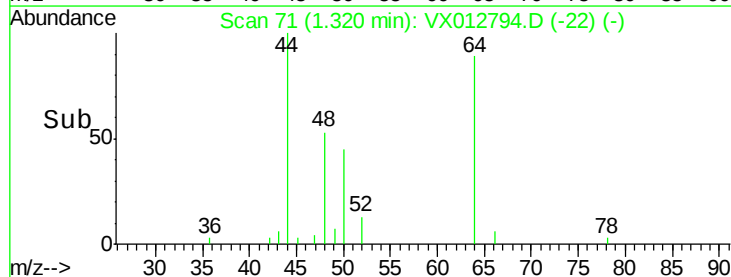
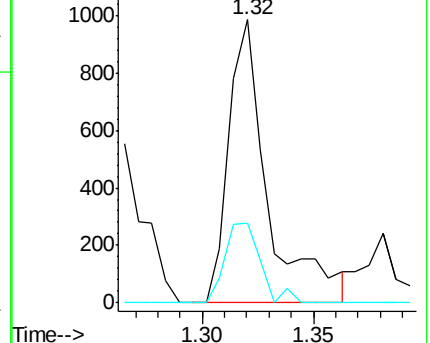
50 100

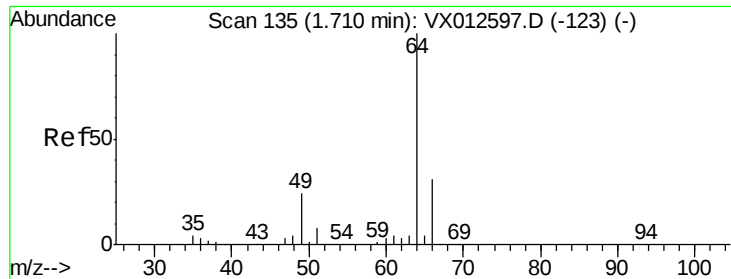
52 28.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

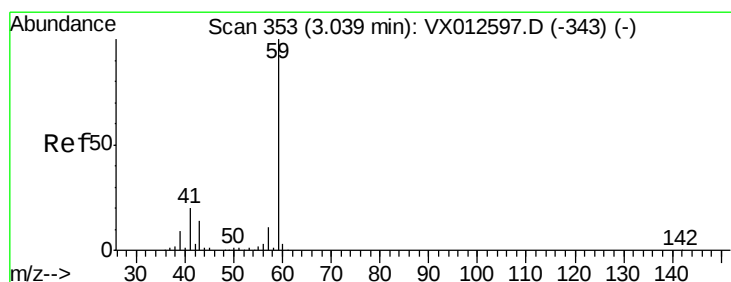
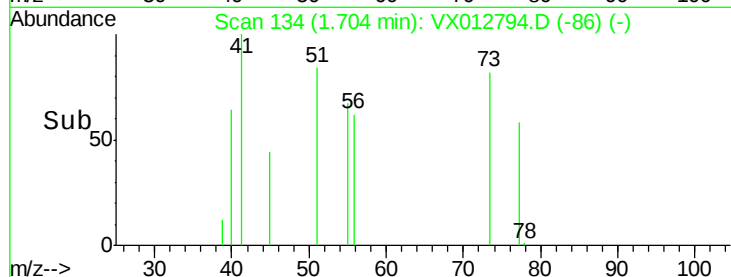
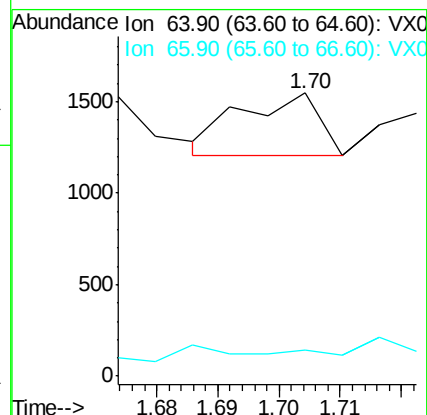
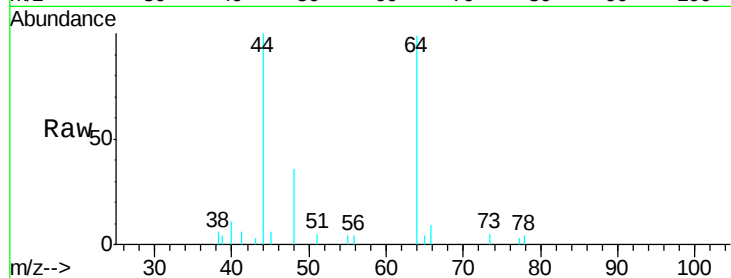
SA-MW128D-20190930

Tgt Ion: 64 Resp: 301

Ion Ratio Lower Upper

64 100

66 7.4 24.0 36.0#



#11

Tert butyl alcohol

Concen: 1.351 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012794.D

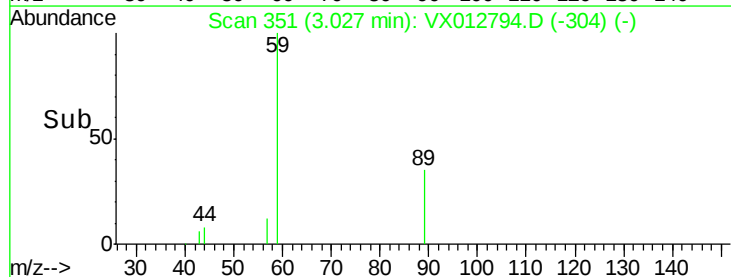
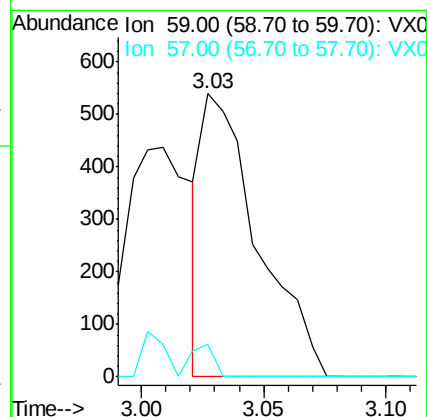
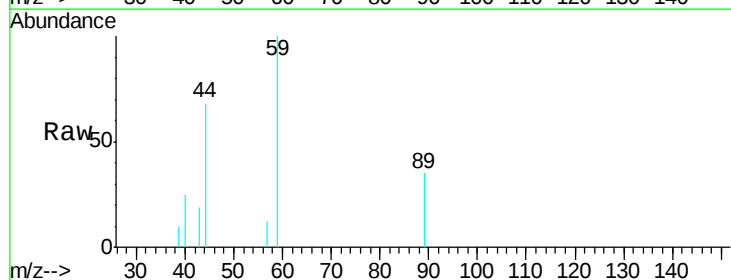
Acq: 03 Oct 2019 19:20

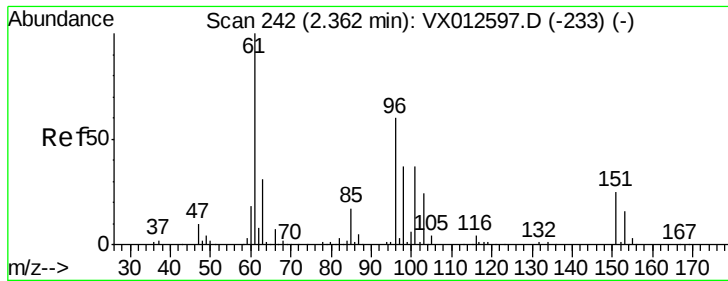
Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

59 100

57 4.8 8.3 12.5#

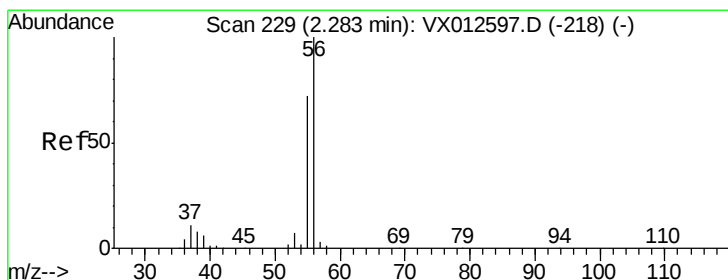
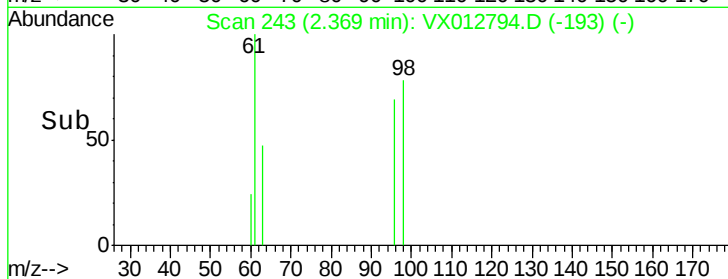
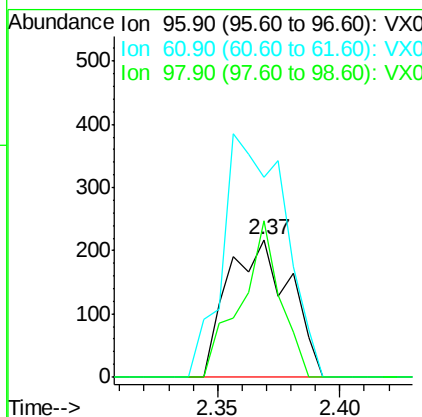
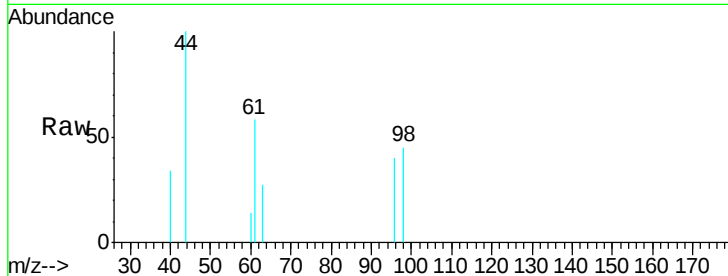




#12
 1,1-Dichloroethene
 Concen: 0.204 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

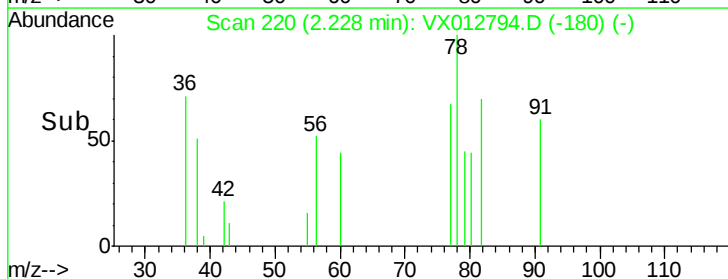
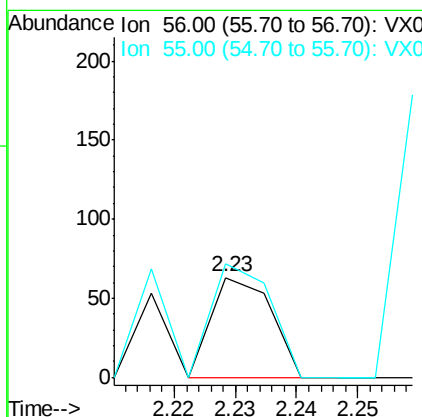
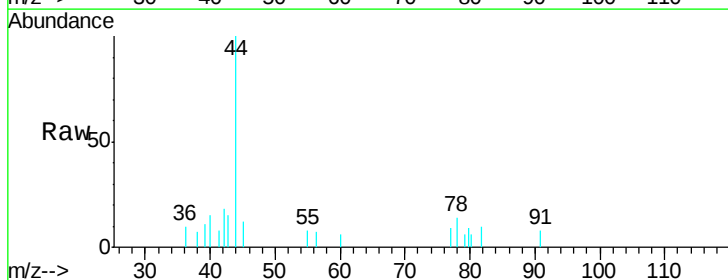
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

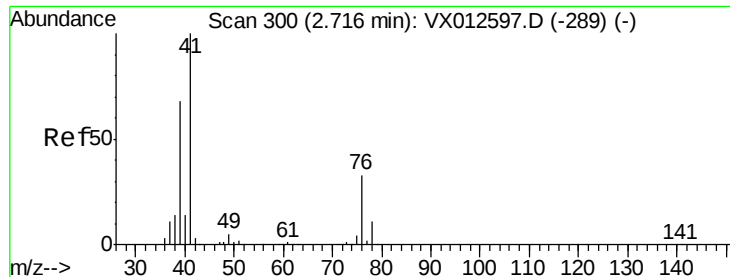
Tgt Ion: 96 Resp: 381
 Ion Ratio Lower Upper
 96 100
 61 145.6 133.8 200.6
 98 113.8 49.9 74.9#



#13
 Acrolein
 Concen: 10.348 ug/l
 RT: 2.23 min Scan# 220
 Delta R.T. -0.05 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

Tgt Ion: 56 Resp: 42
 Ion Ratio Lower Upper
 56 100
 55 176.2 55.8 83.8#





#14

Allyl chloride

Concen: 2.130 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

SA-MW128D-20190930

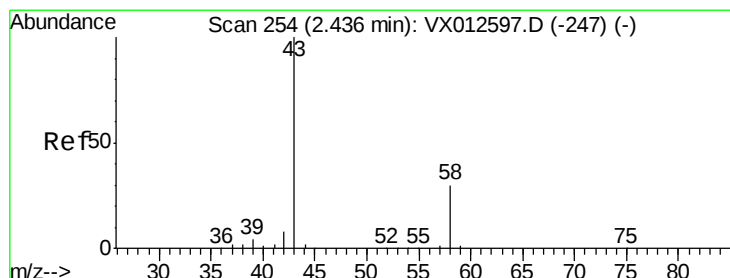
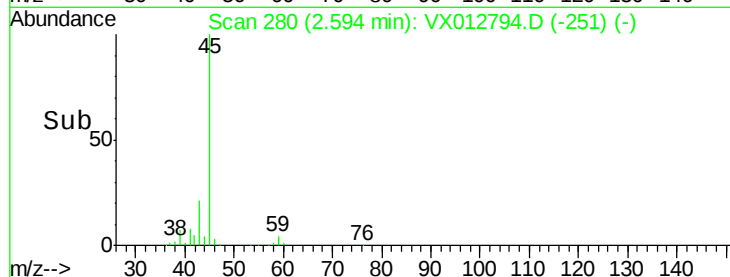
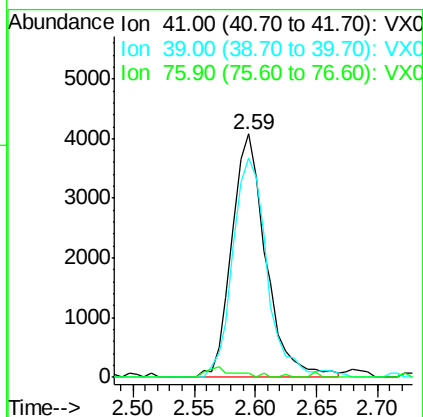
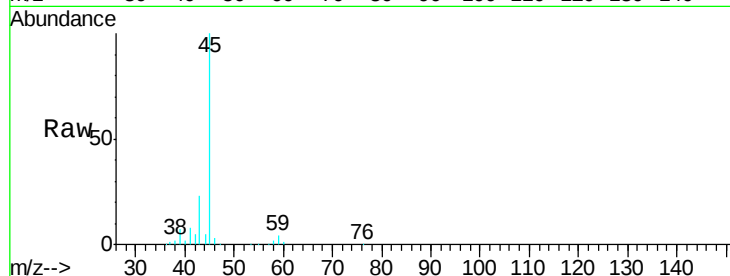
Tgt Ion: 41 Resp: 7878

Ion Ratio Lower Upper

41 100

39 89.5 51.3 76.9#

76 0.0 22.6 33.8#



#16

Acetone

Concen: 3.648 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012794.D

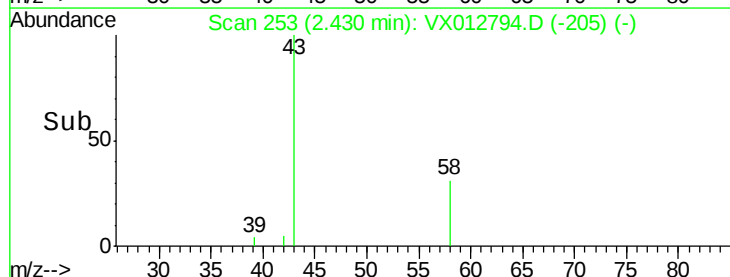
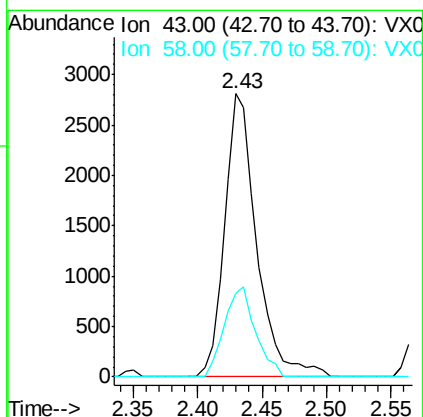
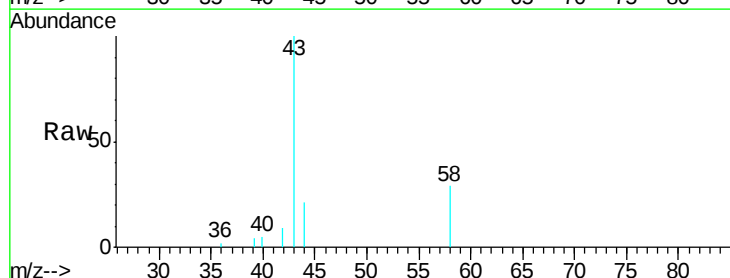
Acq: 03 Oct 2019 19:20

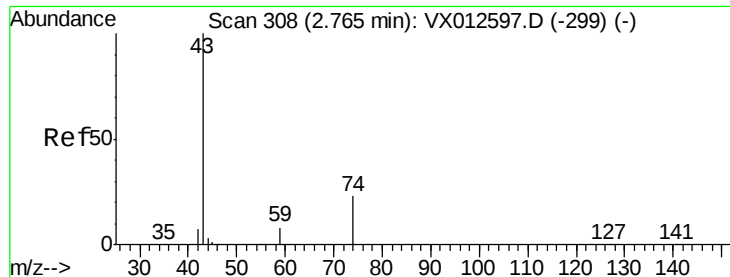
Tgt Ion: 43 Resp: 4878

Ion Ratio Lower Upper

43 100

58 29.5 23.3 34.9

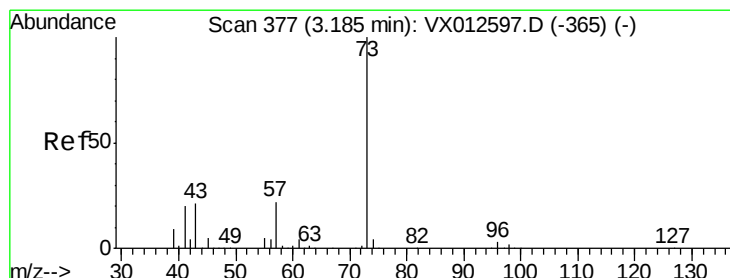
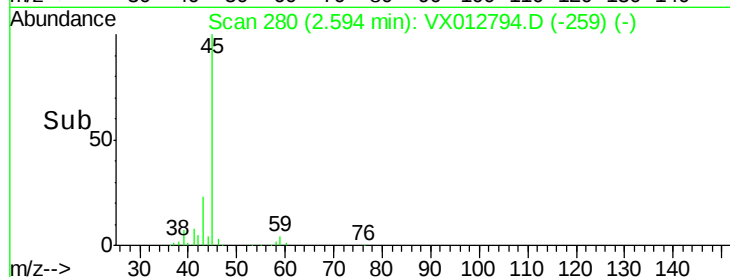
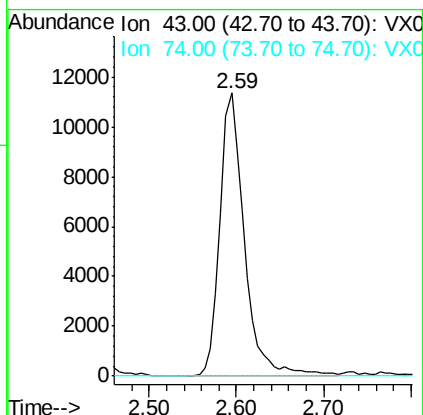
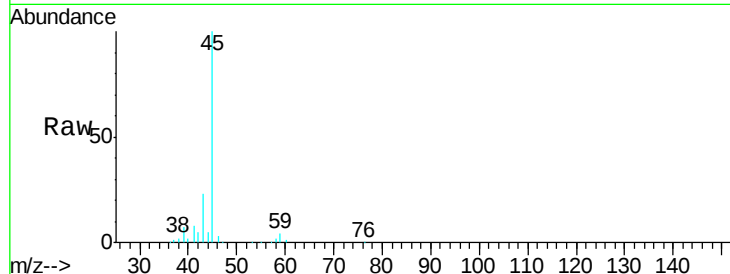




#18
Methyl Acetate
Concen: 7.031 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012794.D
Acq: 03 Oct 2019 19:20

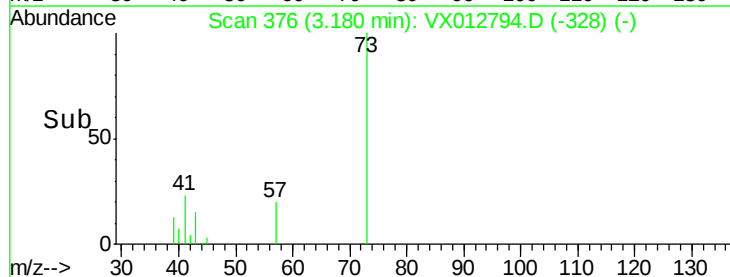
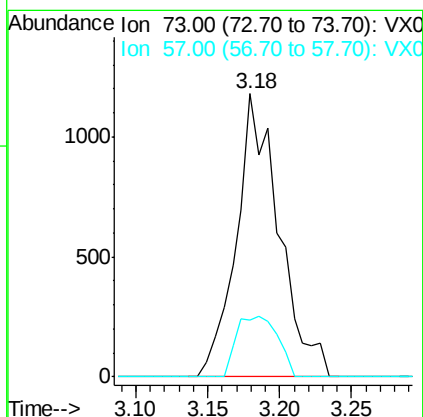
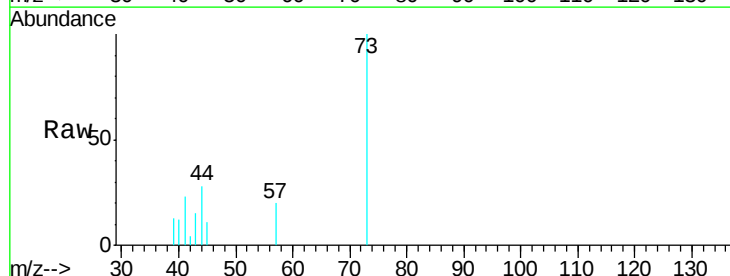
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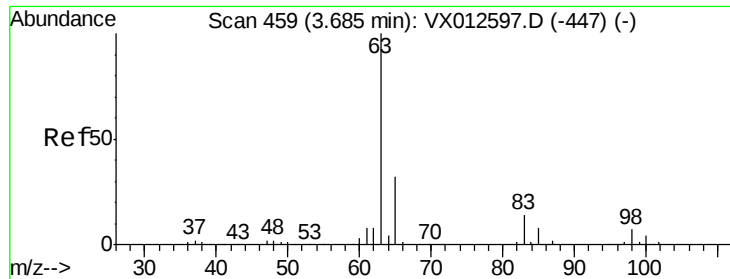
Tgt Ion: 43 Resp: 22137
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#19
Methyl tert-butyl Ether
Concen: 0.343 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012794.D
Acq: 03 Oct 2019 19:20

Tgt Ion: 73 Resp: 2420
Ion Ratio Lower Upper
73 100
57 20.3 16.8 25.2





#24

1,1-Dichloroethane

Concen: 3.297 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

SA-MW128D-20190930

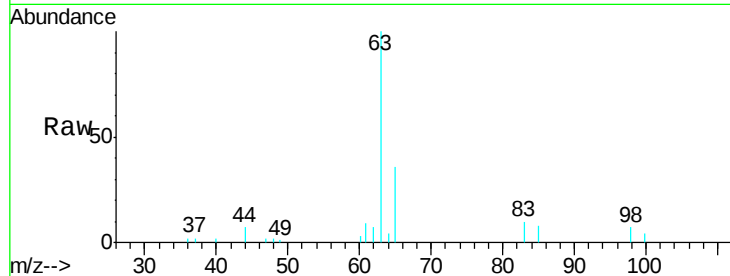
Tgt Ion: 63 Resp: 12806

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.7

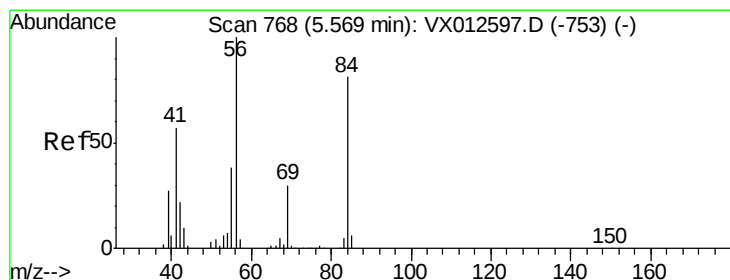
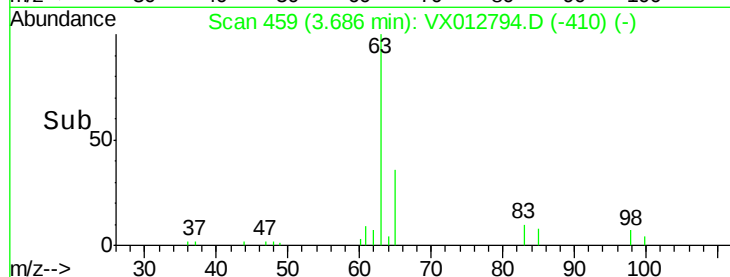
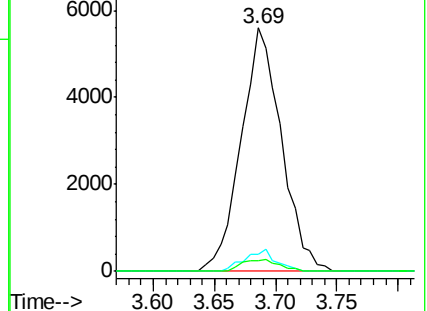
100 4.4 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

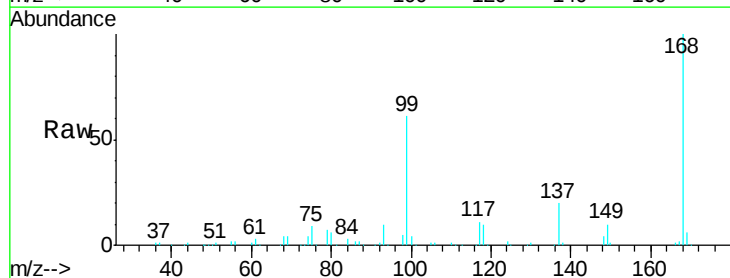
Tgt Ion: 56 Resp: 4003

Ion Ratio Lower Upper

56 100

69 180.2 25.0 37.6#

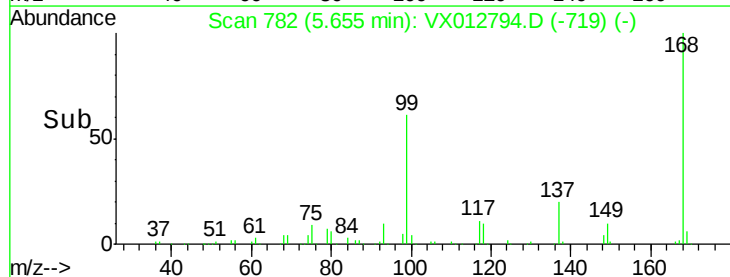
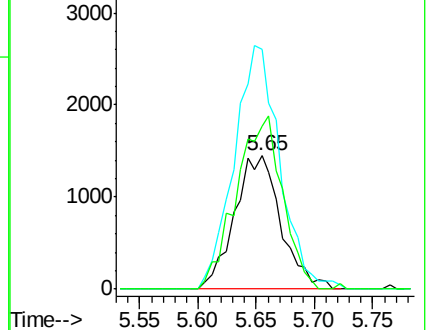
84 122.4 66.4 99.6#

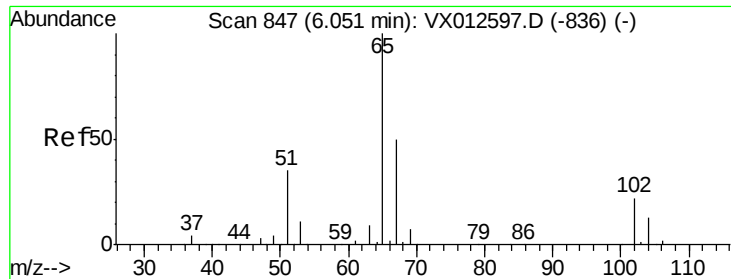


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

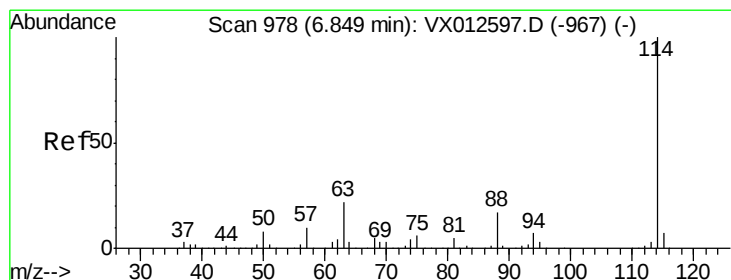
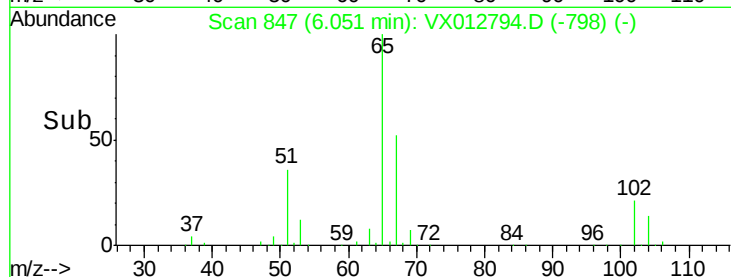
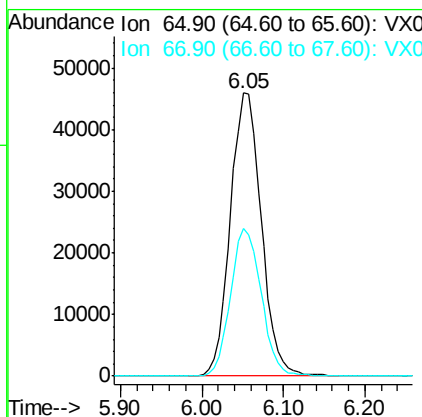
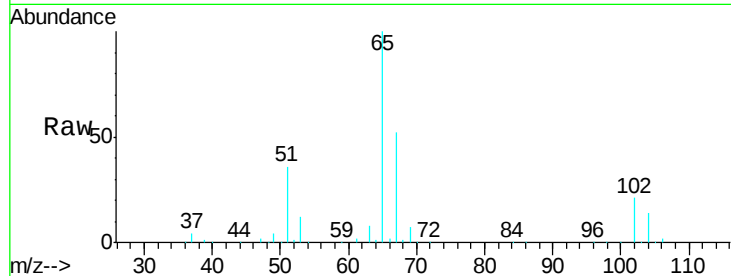




#33
 1,2-Dichloroethane-d4
 Concen: 47.719 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

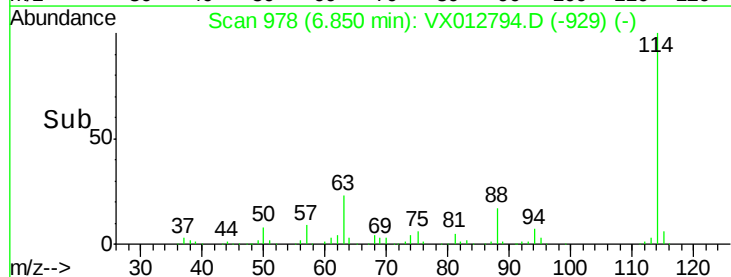
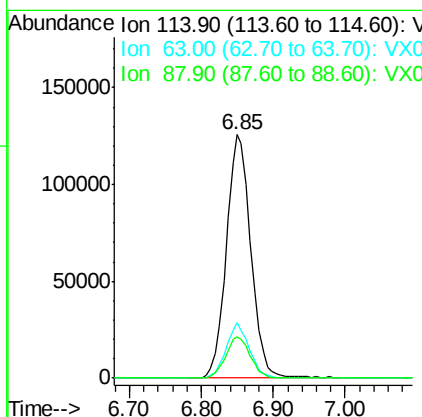
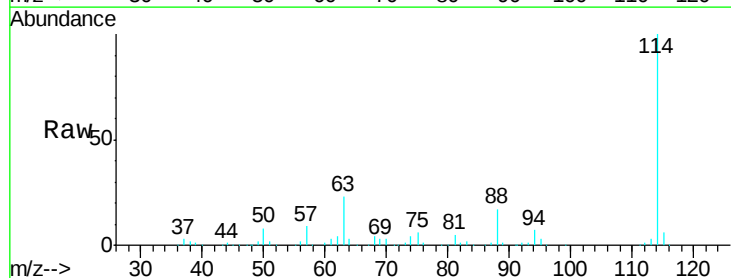
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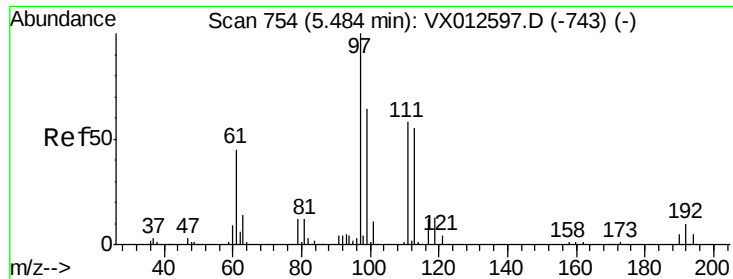
Tgt Ion: 65 Resp: 120466
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

Tgt Ion: 114 Resp: 296460
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.2
 88 17.1 0.0 33.2

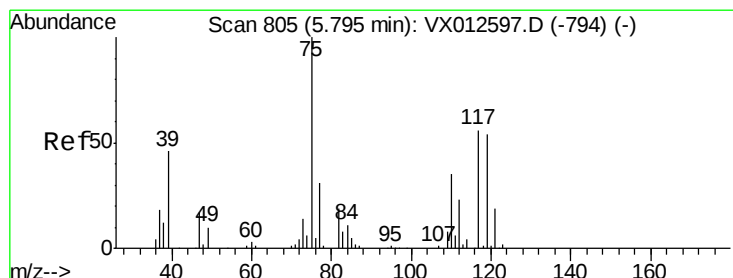
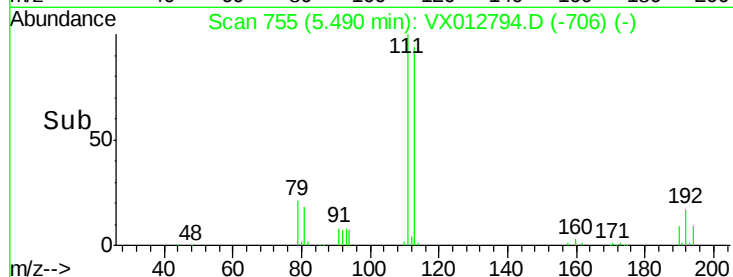
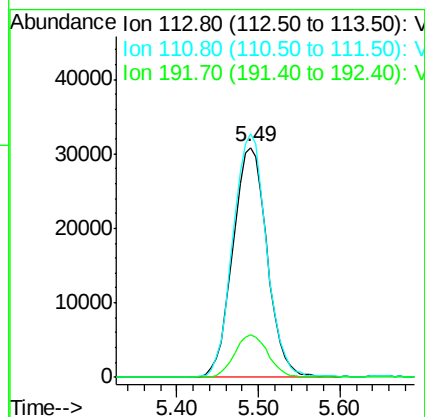
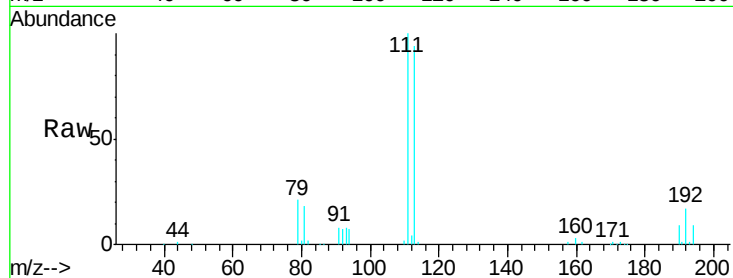




#35
 Dibromofluoromethane
 Concen: 50.794 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

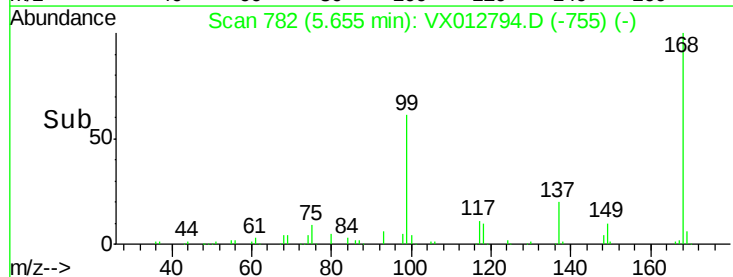
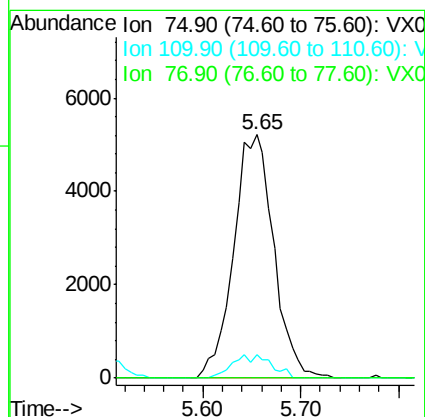
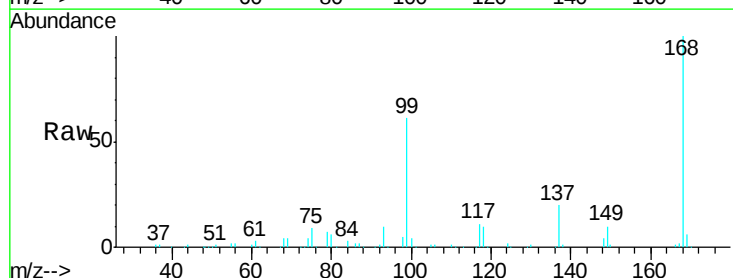
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

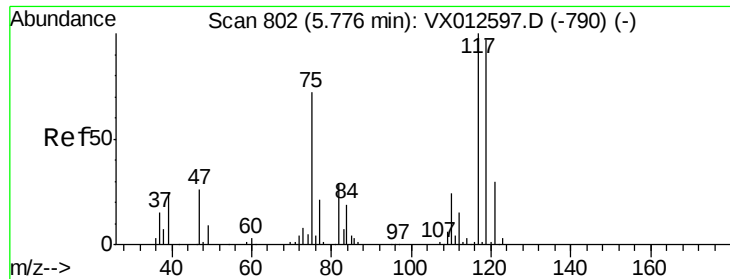
Tgt Ion:113 Resp: 89679
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.4 125.2
 192 18.0 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 5.170 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

Tgt Ion: 75 Resp: 14773
 Ion Ratio Lower Upper
 75 100
 110 4.8 16.7 50.0#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

SA-MW128D-20190930

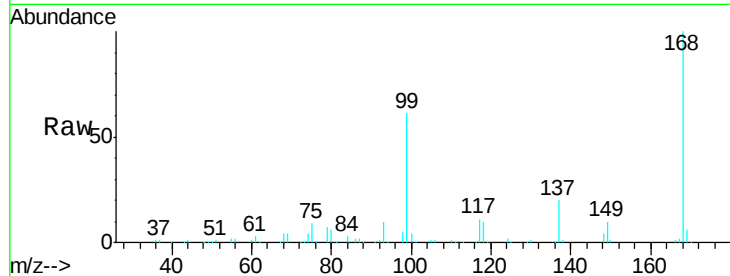
Tgt Ion: 117 Resp: 18106

Ion Ratio Lower Upper

117 100

119 3.3 75.7 113.5#

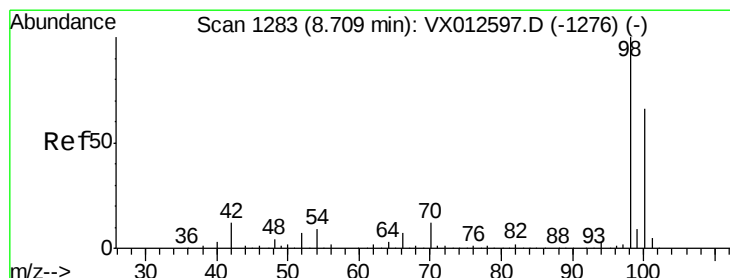
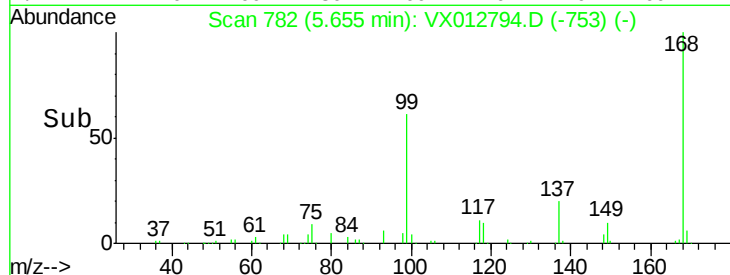
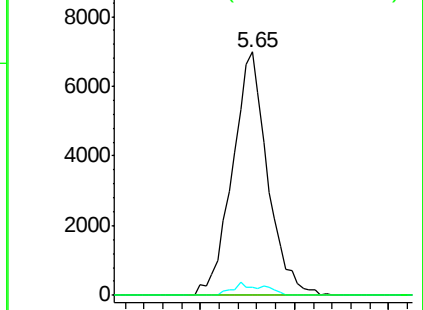
121 0.0 24.2 36.4#



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



#50

Toluene-d8

Concen: 51.344 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012794.D

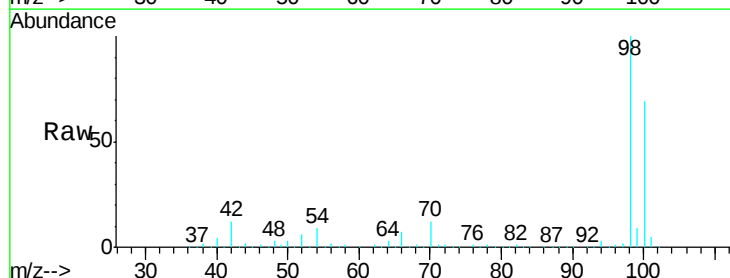
Acq: 03 Oct 2019 19:20

Tgt Ion: 98 Resp: 349100

Ion Ratio Lower Upper

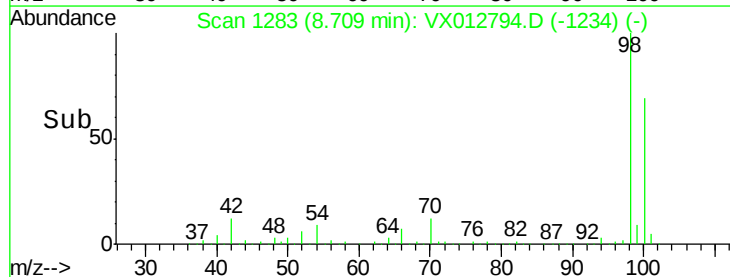
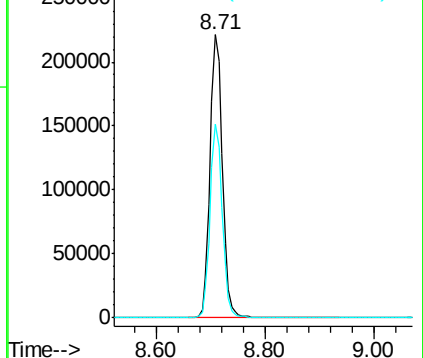
98 100

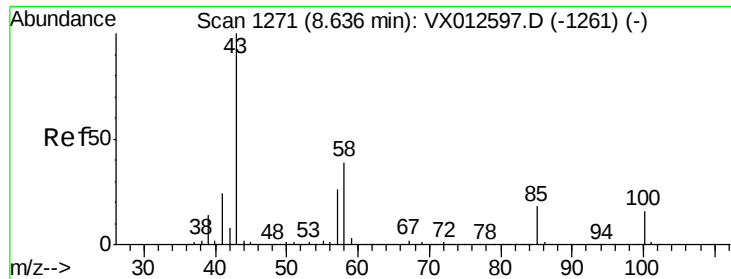
100 67.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

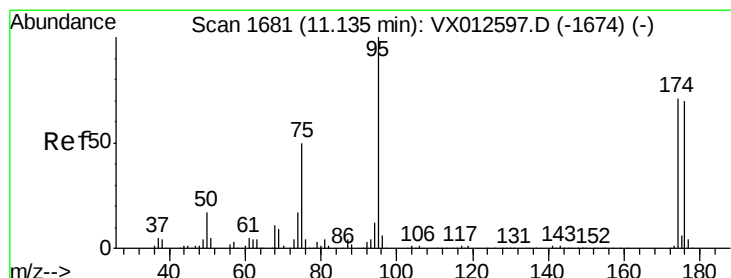
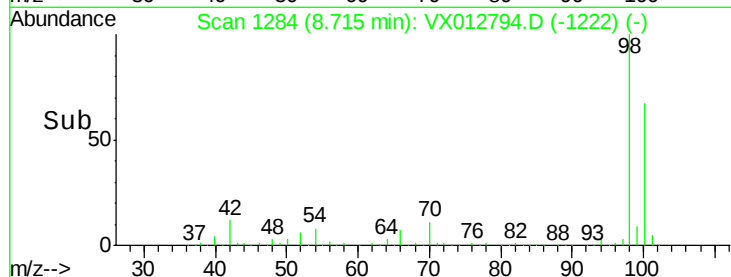
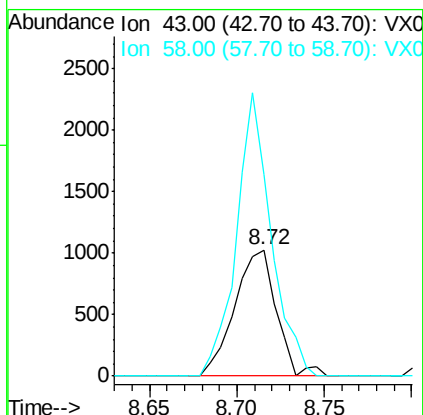
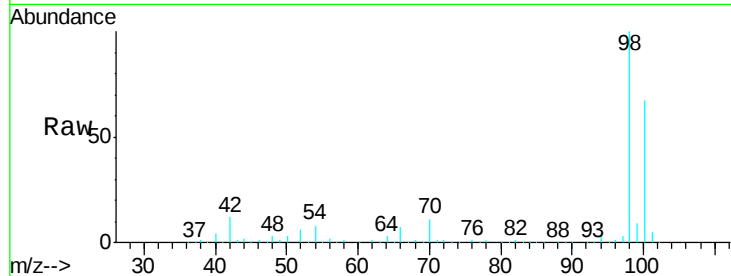




#51
 4-Methyl-2-Pentanone
 Concen: 0.496 ug/l
 RT: 8.72 min Scan# 1284
 Delta R.T. 0.08 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

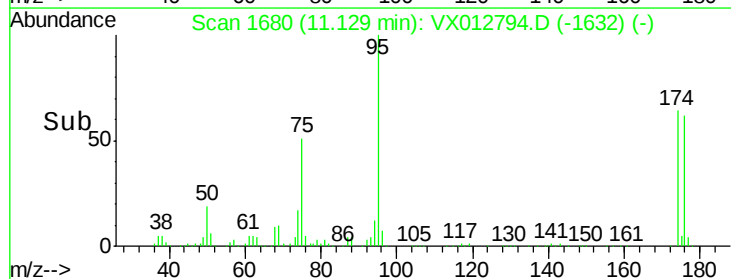
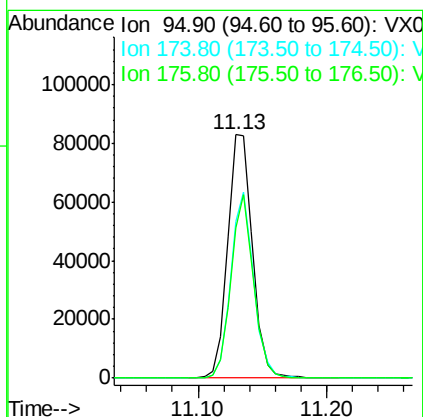
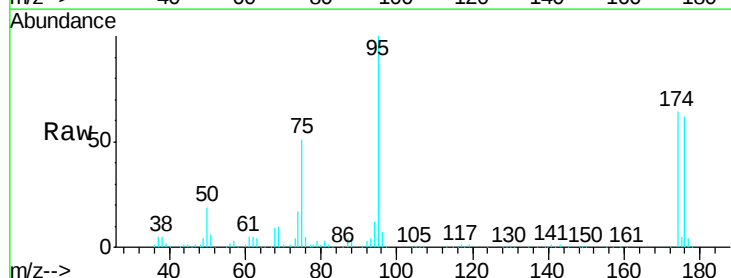
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

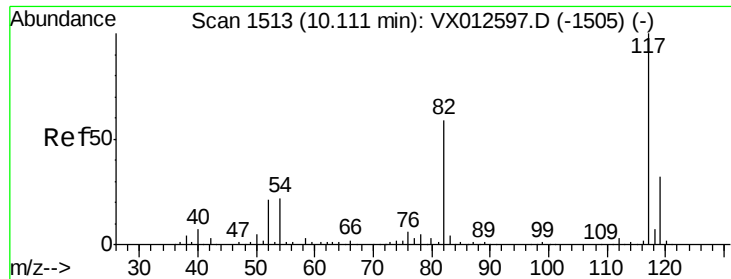
Tgt Ion: 43 Resp: 1709
 Ion Ratio Lower Upper
 43 100
 58 186.0 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 41.952 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

Tgt Ion: 95 Resp: 112159
 Ion Ratio Lower Upper
 95 100
 174 70.3 0.0 140.0
 176 68.6 0.0 135.4

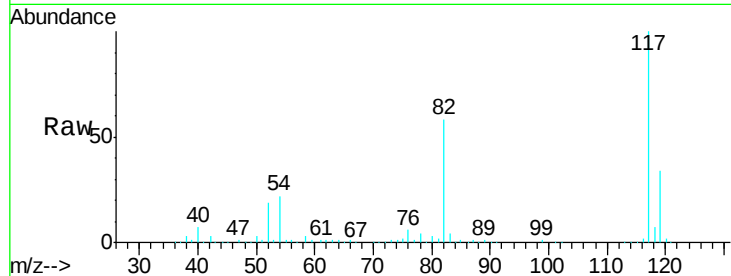




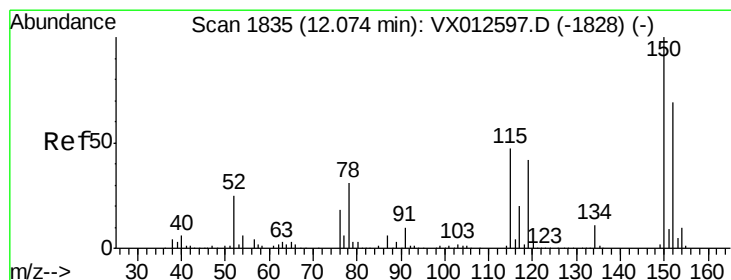
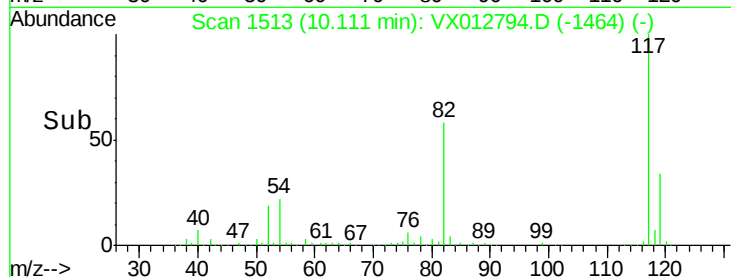
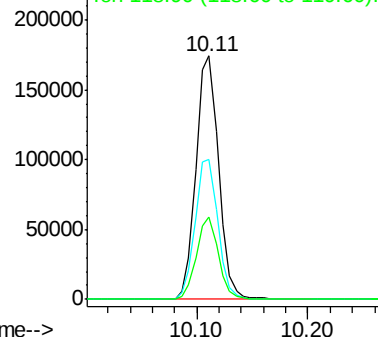
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012794.D
Acq: 03 Oct 2019 19:20

Instrument :
MSVOA_X
ClientSampleId :
SA-MW128D-20190930

Tgt Ion:117 Resp: 245441
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 33.9 25.3 37.9

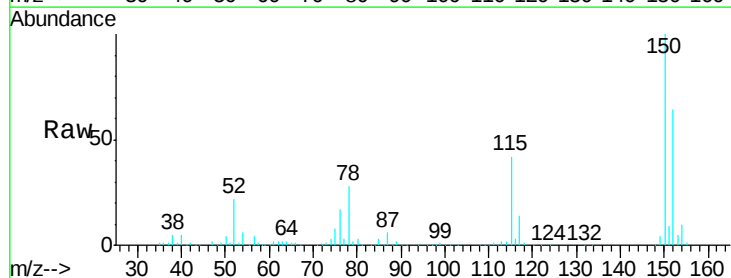


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

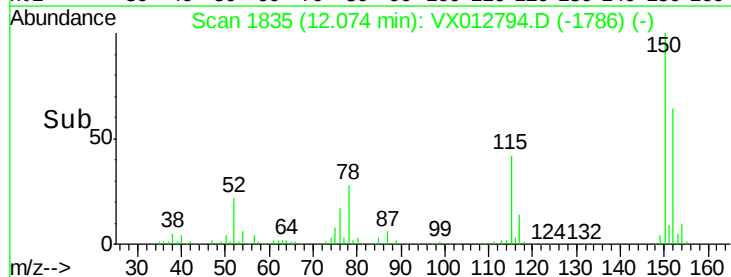
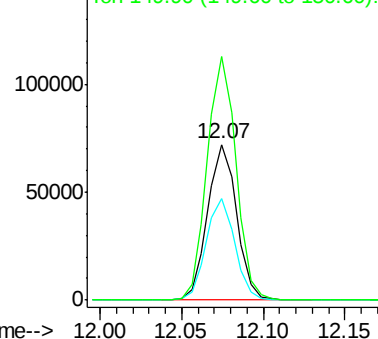


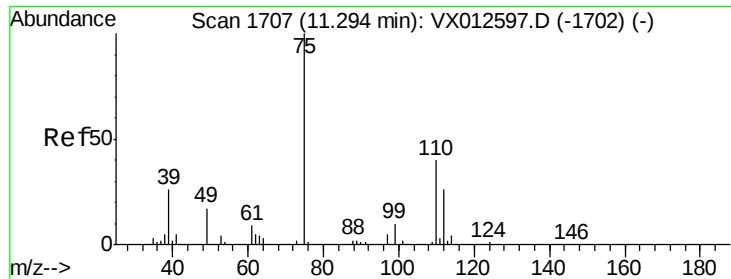
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012794.D
Acq: 03 Oct 2019 19:20

Tgt Ion:152 Resp: 89560
Ion Ratio Lower Upper
152 100
115 64.6 44.1 132.3
150 156.1 0.0 343.8



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: 23.731 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

Instrument :

MSVOA_X

ClientSampleId :

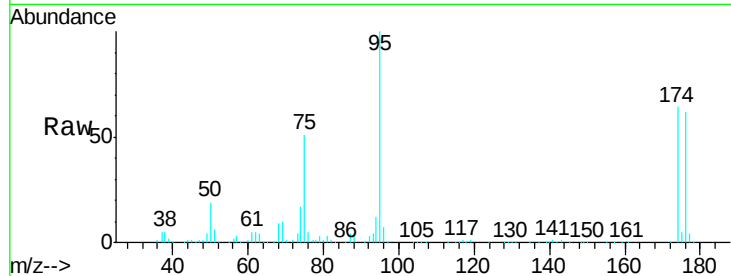
SA-MW128D-20190930

Tgt Ion: 75 Resp: 56221

Ion Ratio Lower Upper

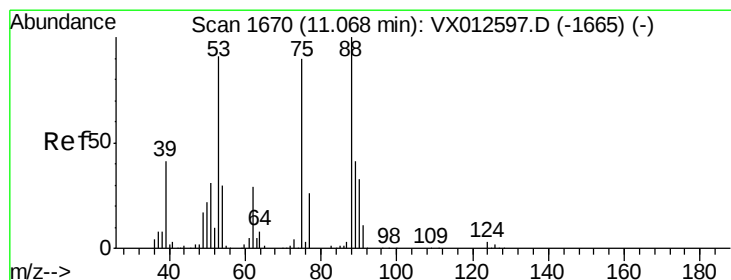
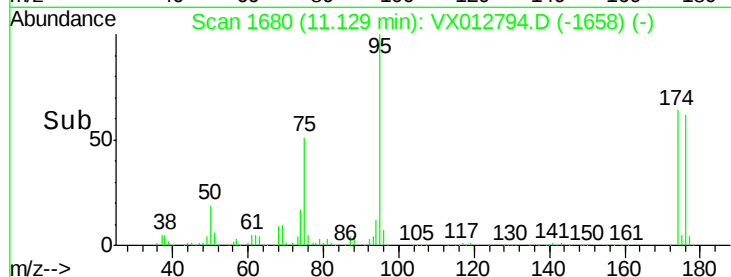
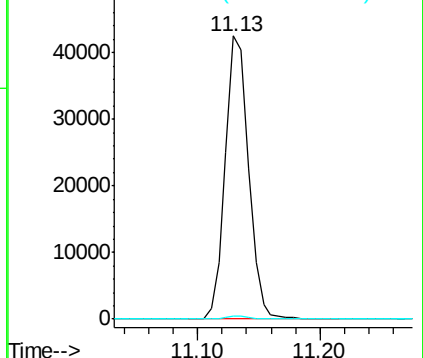
75 100

77 1.1 19.7 59.0#



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: 68.008 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012794.D

Acq: 03 Oct 2019 19:20

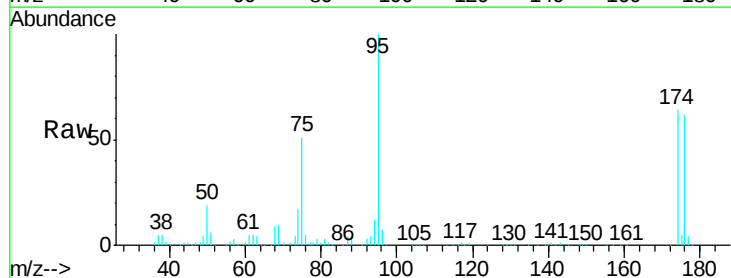
Tgt Ion: 75 Resp: 56221

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

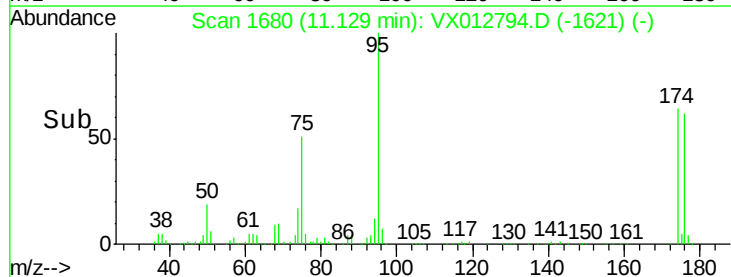
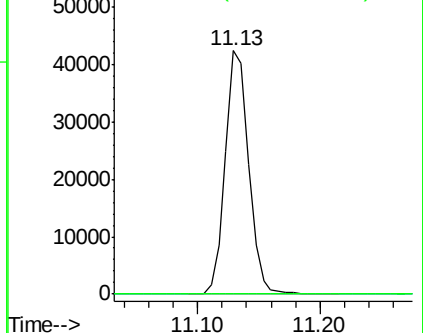
89 0.0 36.3 54.5#

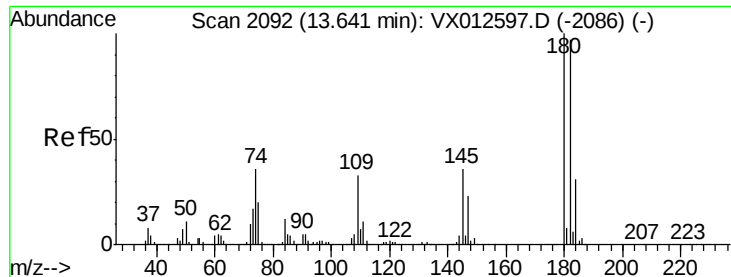


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX012794.D
 Acq: 03 Oct 2019 19:20

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	47.0	141.0
145	31.3	16.8	50.4

