

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012811.D
 Acq On : 04 Oct 2019 15:01
 Operator : JC/SP
 Sample : K5189-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

Quant Time: Oct 05 04:22:44 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	183093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95782	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	120437	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
35) Dibromofluoromethane	5.49	113	93488	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	8.71	98	360293	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	11.14	95	121393	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

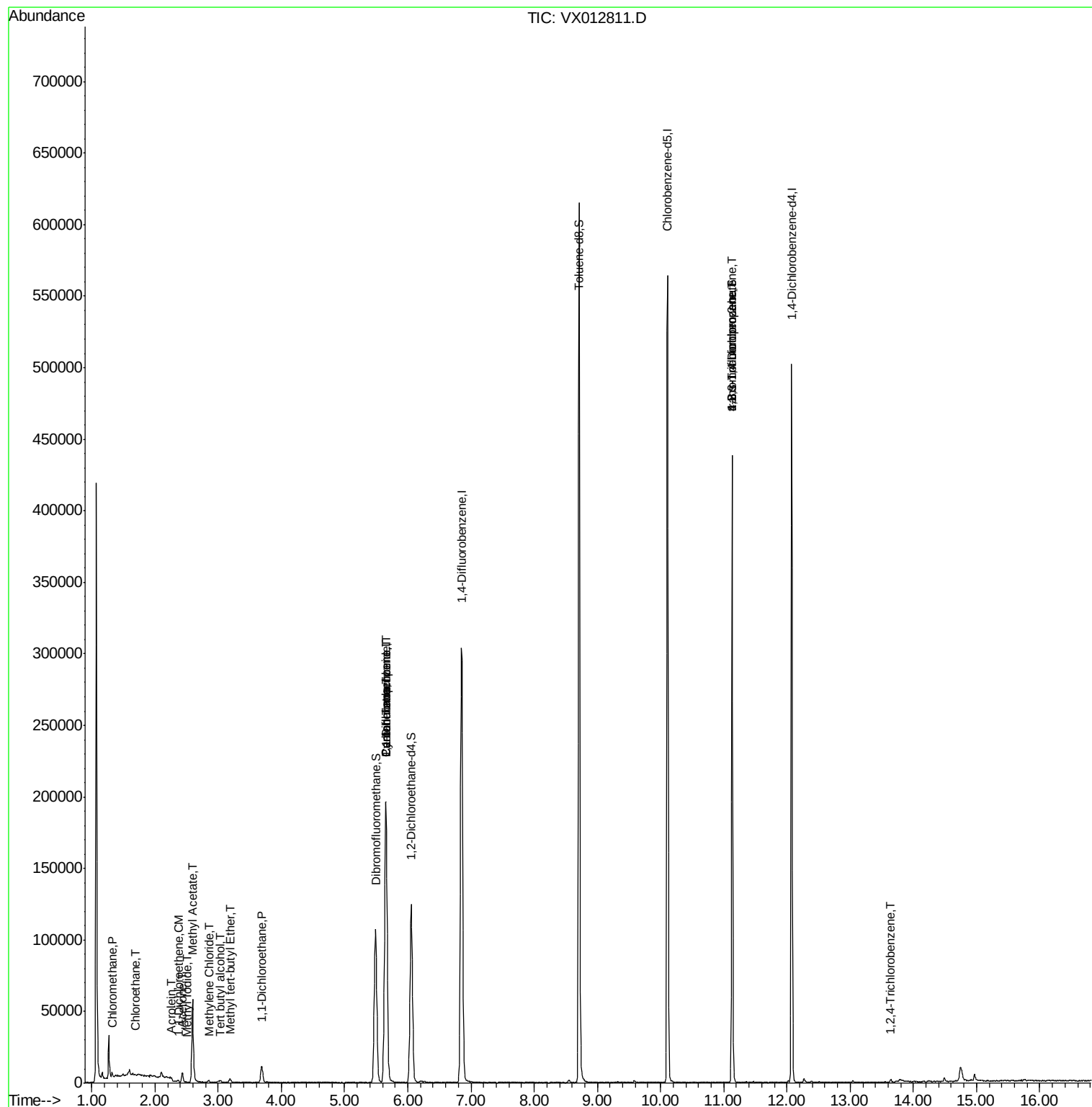
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1904	0.805	ug/l #	88
6) Chloroethane	1.69	64	407	0.257	ug/l #	65
10) Methyl Iodide	2.50	142	208	5.041	ug/l #	63
11) Tert butyl alcohol	3.03	59	1462	2.195	ug/l #	81
12) 1,1-Dichloroethene	2.37	96	427	0.217	ug/l #	73
13) Acrolein	2.26	56	321	11.063	ug/l #	65
16) Acetone	2.43	43	7530	5.332	ug/l	90
18) Methyl Acetate	2.59	43	14554	4.377	ug/l #	54
19) Methyl tert-butyl Ether	3.19	73	2556	0.343	ug/l #	86
20) Methylene Chloride	2.84	84	577	0.242	ug/l	87
24) 1,1-Dichloroethane	3.69	63	12904	3.146	ug/l	96
31) Cyclohexane	5.65	56	4181	1.127	ug/l #	15
36) 1,1-Dichloropropene	5.65	75	15079	5.082	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19380	6.430	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	60459	23.862	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	60459	68.384	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.64	180	661	0.341	ug/l	98

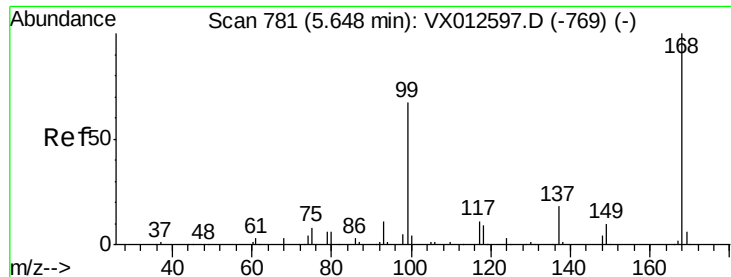
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012811.D

Acq: 04 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

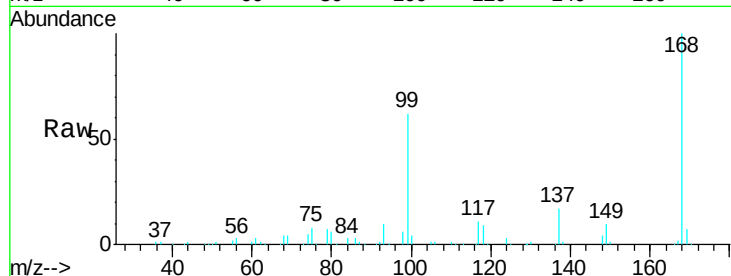
SA-MW128D-20190930

Tgt Ion:168 Resp: 183093

Ion Ratio Lower Upper

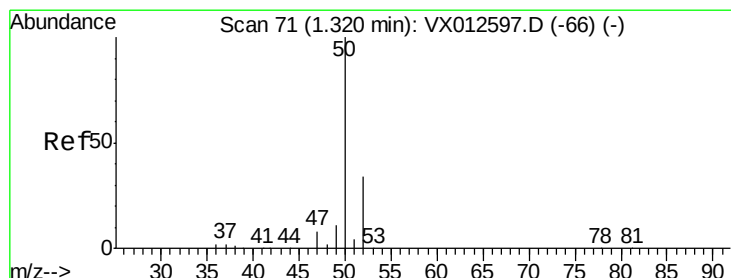
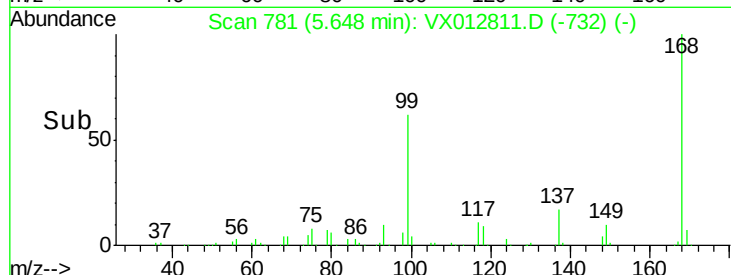
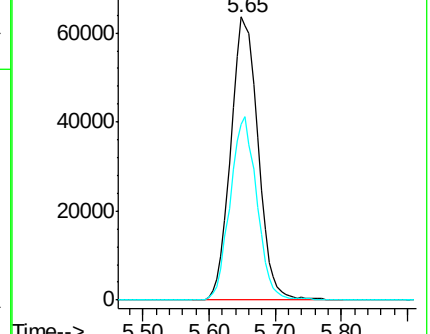
168 100

99 62.1 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: 0.805 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012811.D

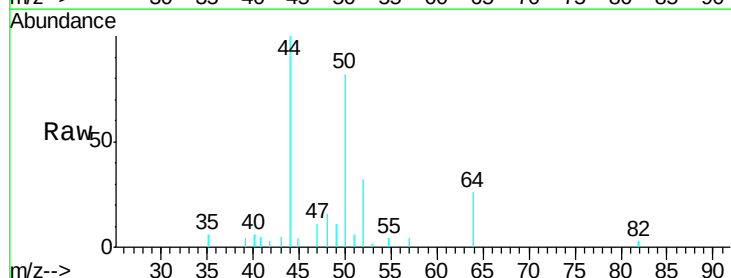
Acq: 04 Oct 2019 15:01

Tgt Ion: 50 Resp: 1904

Ion Ratio Lower Upper

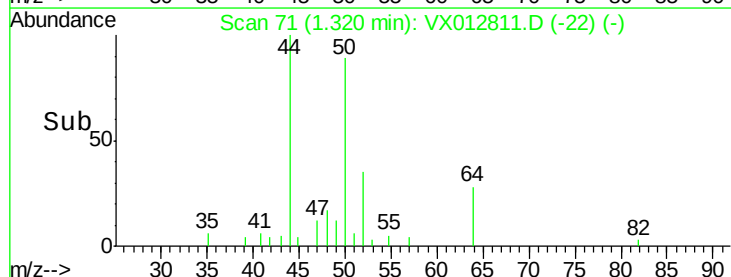
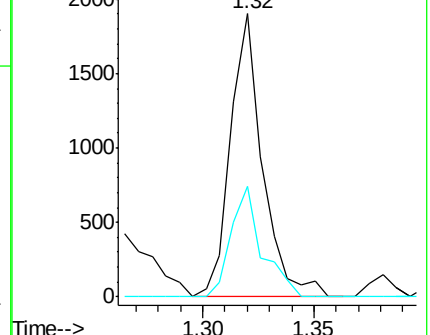
50 100

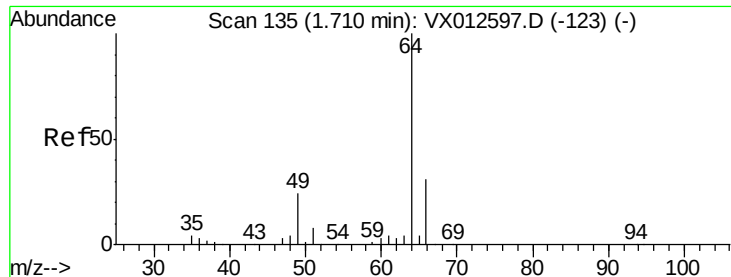
52 39.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.257 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012811.D

Acq: 04 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

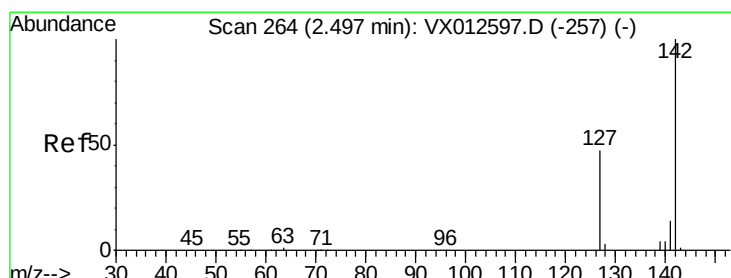
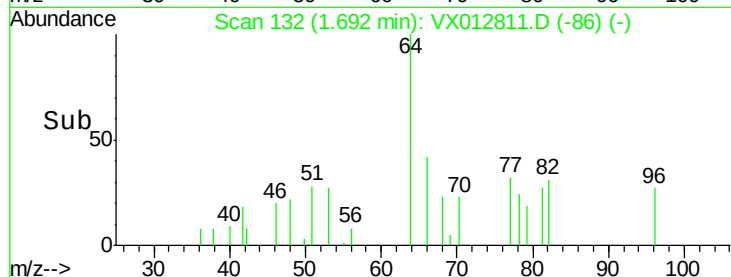
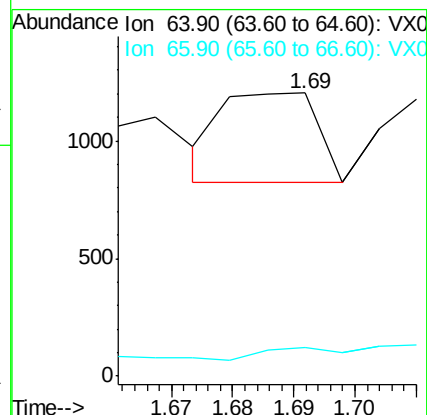
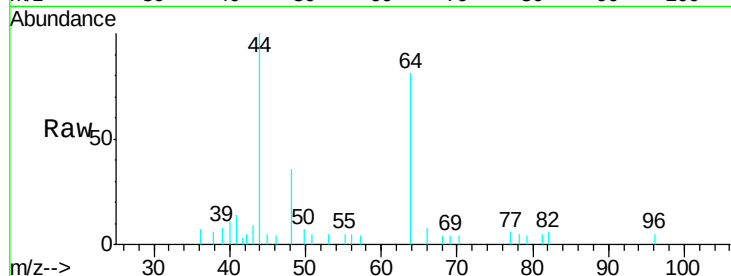
SA-MW128D-20190930

Tgt Ion: 64 Resp: 407

Ion Ratio Lower Upper

64 100

66 11.1 24.0 36.0#



#10

Methyl Iodide

Concen: 5.041 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012811.D

Acq: 04 Oct 2019 15:01

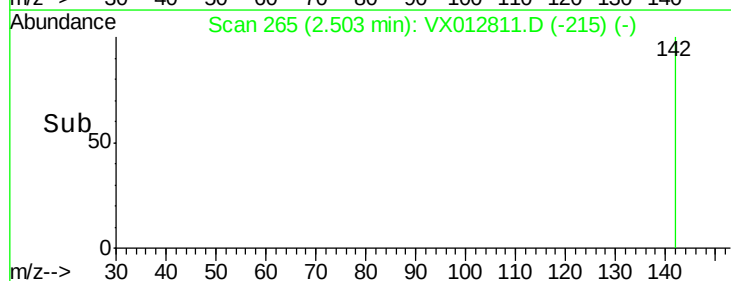
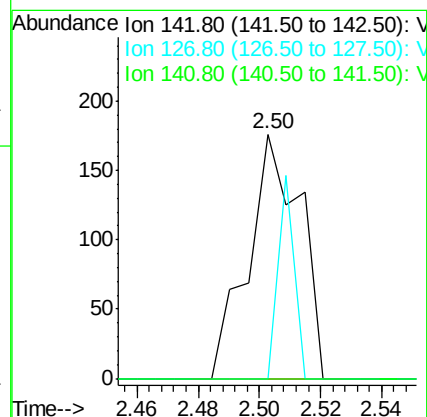
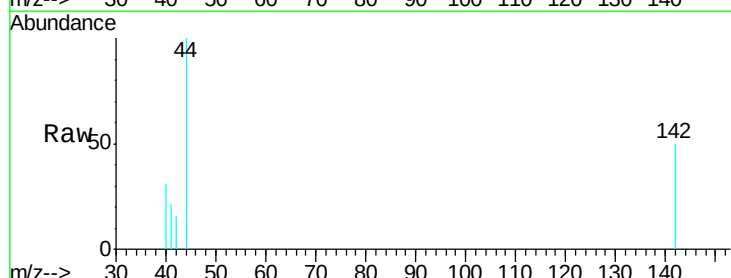
Tgt Ion: 142 Resp: 208

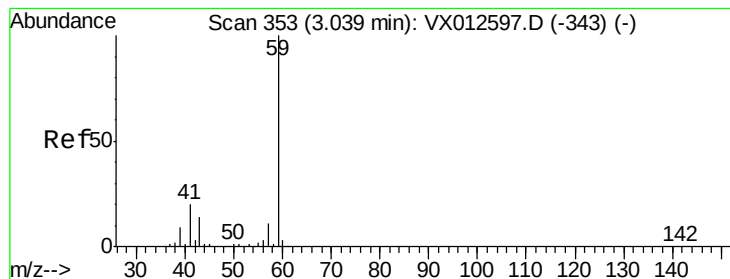
Ion Ratio Lower Upper

142 100

127 25.5 40.8 61.2#

141 0.0 12.1 18.1#



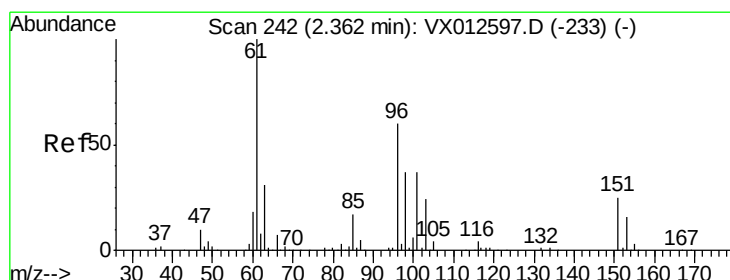
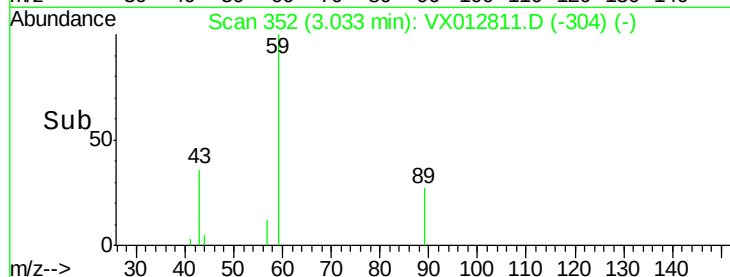
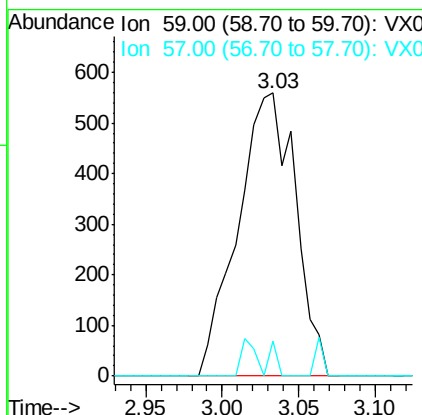
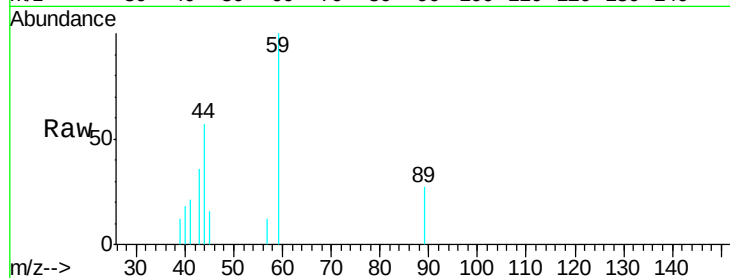


#11

Tert butyl alcohol
 Concen: 2.195 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

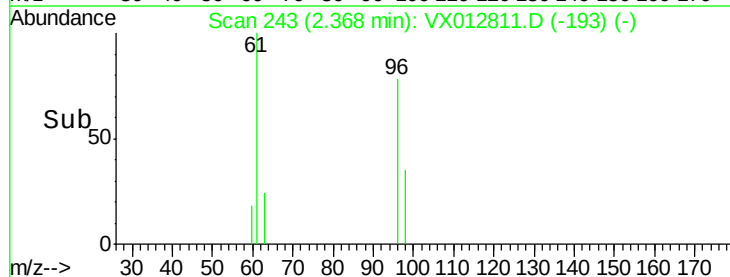
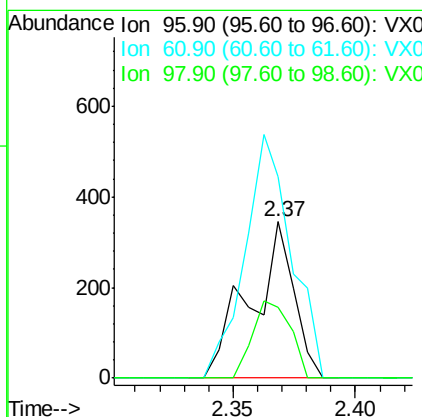
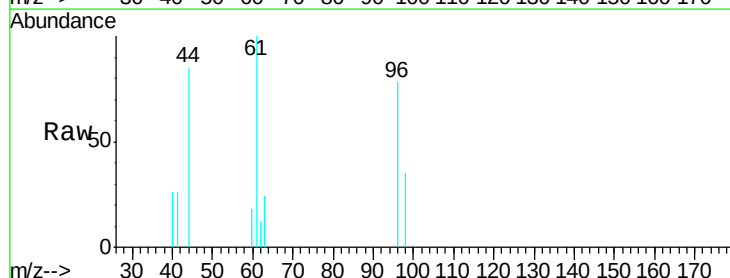
Tgt Ion: 59 Resp: 1462
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.3 12.5#

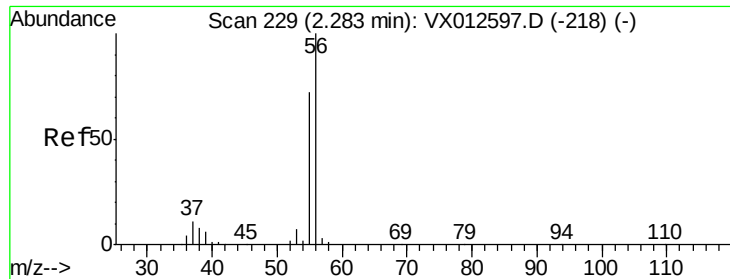


#12

1,1-Dichloroethene
 Concen: 0.217 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Tgt Ion: 96 Resp: 427
 Ion Ratio Lower Upper
 96 100
 61 128.4 133.8 200.6#
 98 45.2 49.9 74.9#





#13

Acrolein

Concen: 11.063 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012811.D

Acq: 04 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

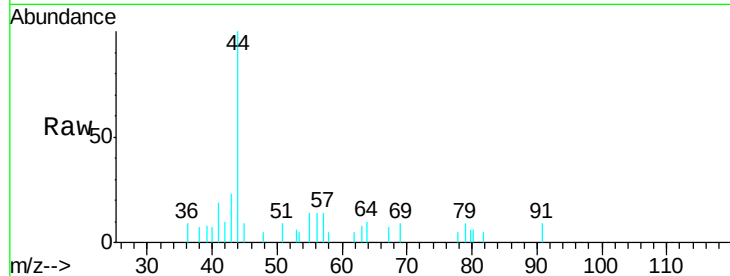
SA-MW128D-20190930

Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

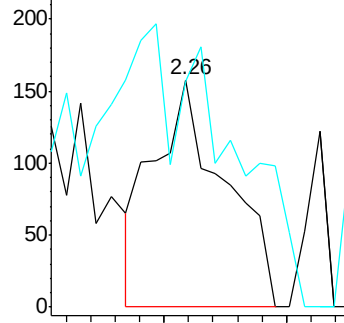
56 100

55 41.1 55.8 83.8#

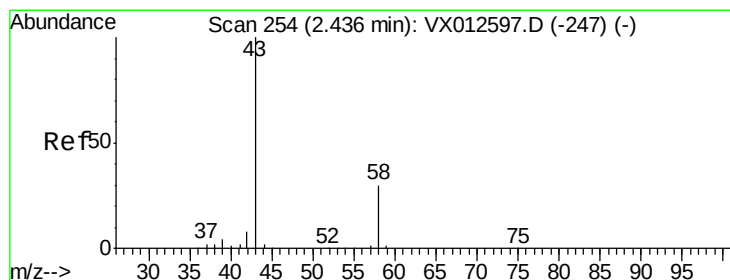
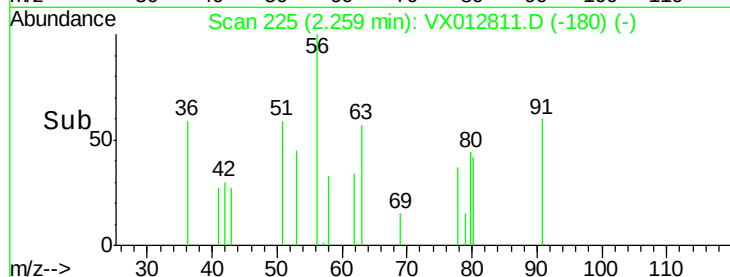


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 5.332 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012811.D

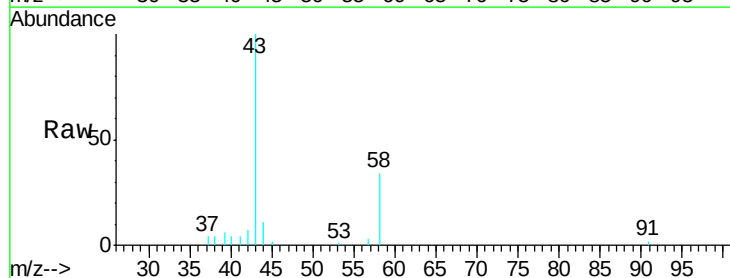
Acq: 04 Oct 2019 15:01

Tgt Ion: 43 Resp: 7530

Ion Ratio Lower Upper

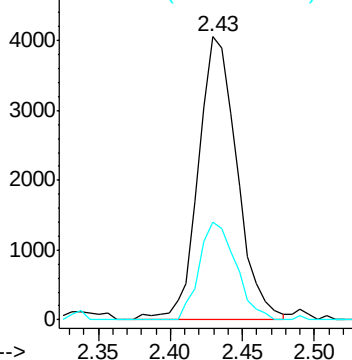
43 100

58 34.4 23.3 34.9

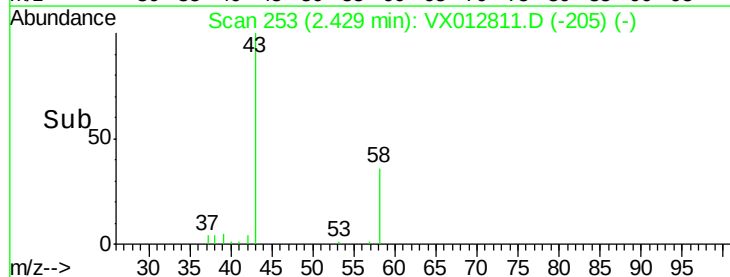


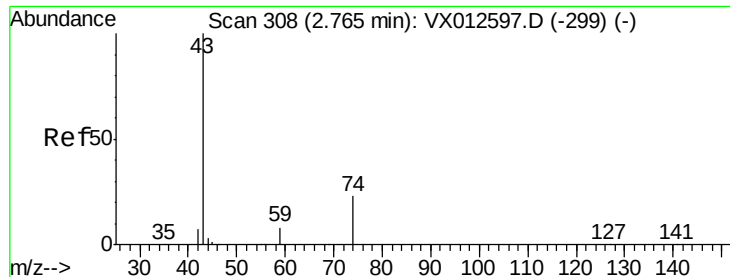
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

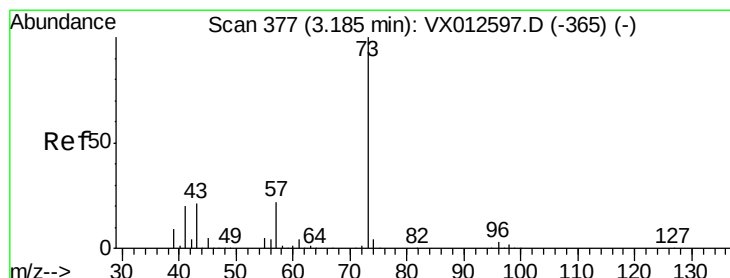
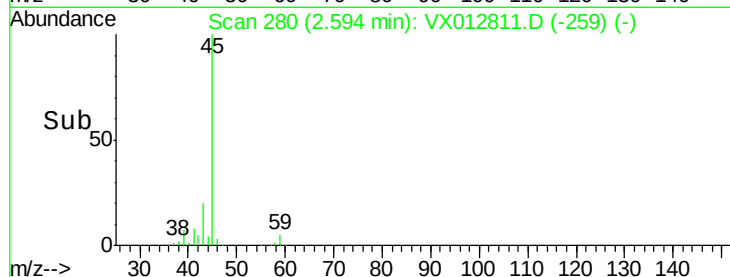
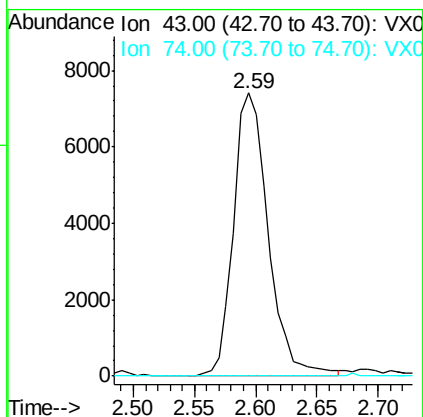
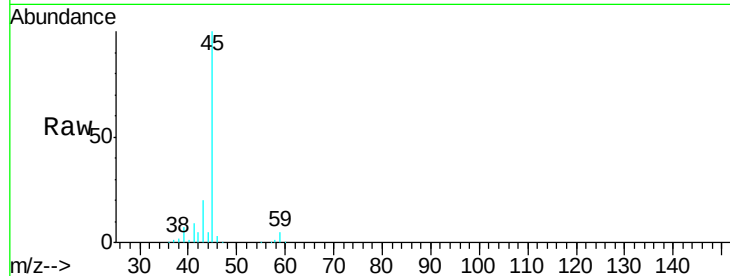




#18
Methyl Acetate
Concen: 4.377 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

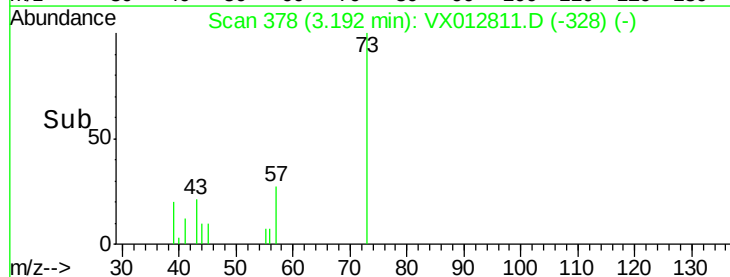
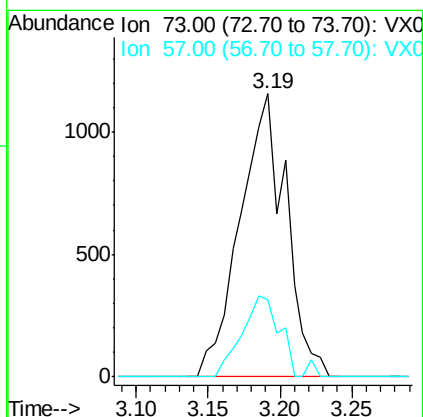
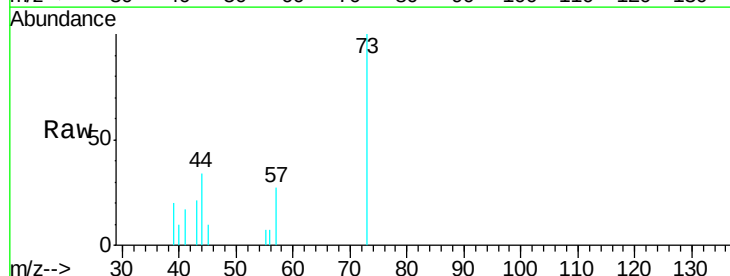
Instrument :
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ClientSampleId :
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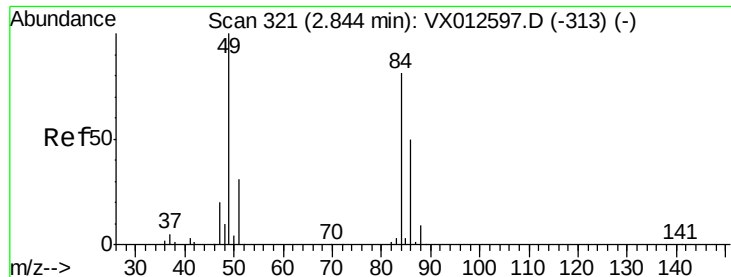
Tgt Ion: 43 Resp: 14554
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#19
Methyl tert-butyl Ether
Concen: 0.343 ug/l
RT: 3.19 min Scan# 378
Delta R.T. 0.01 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Tgt Ion: 73 Resp: 2556
Ion Ratio Lower Upper
73 100
57 27.4 16.8 25.2#

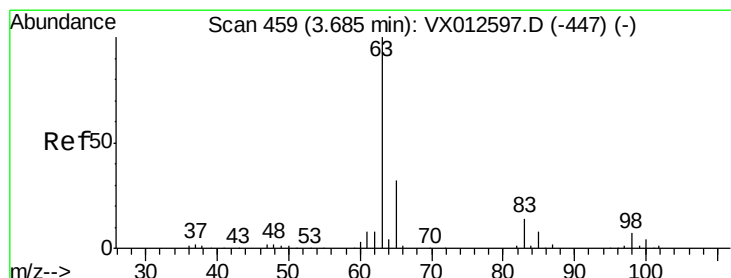
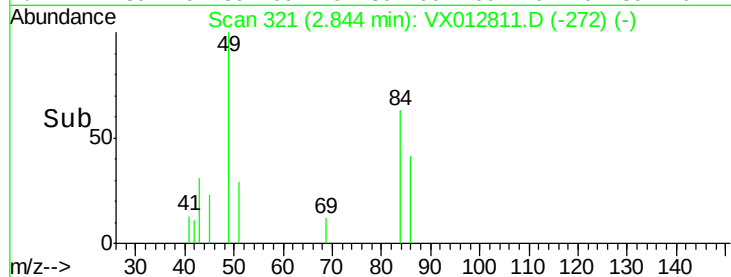
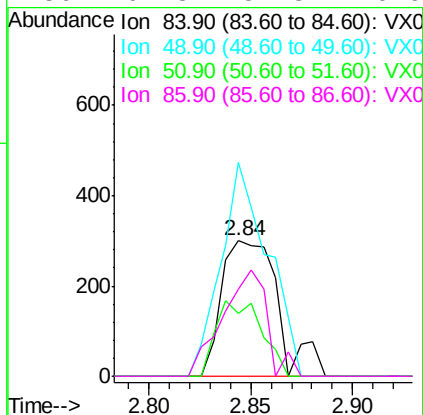
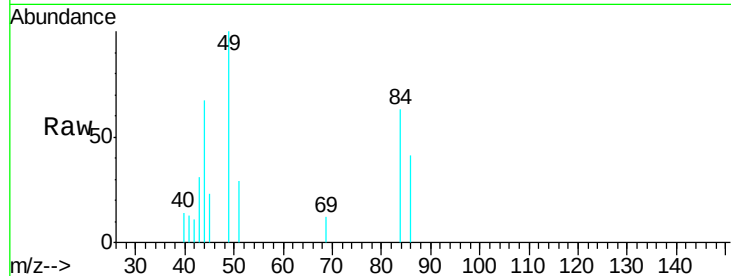




#20
Methylene Chloride
Concen: 0.242 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

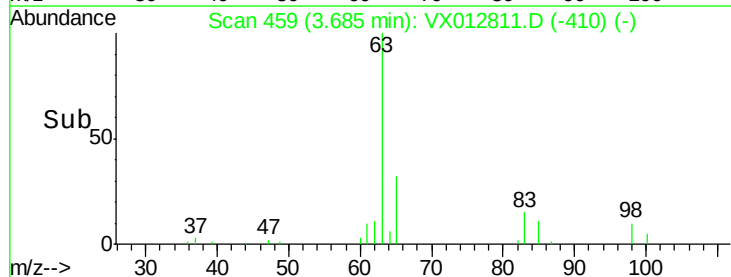
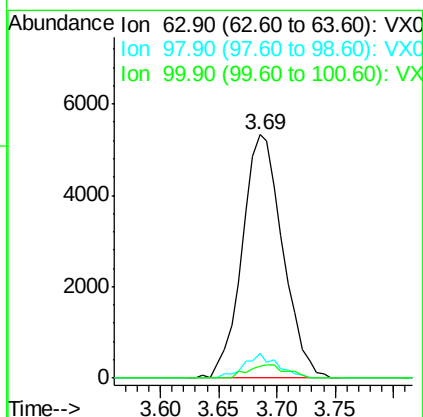
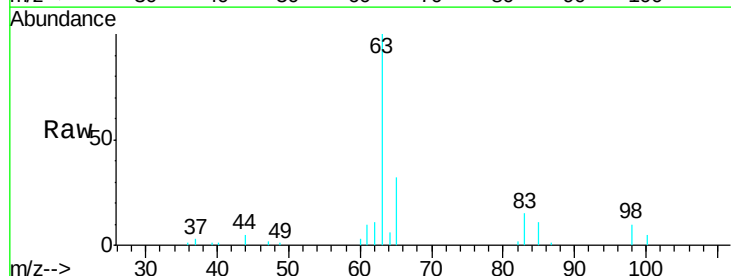
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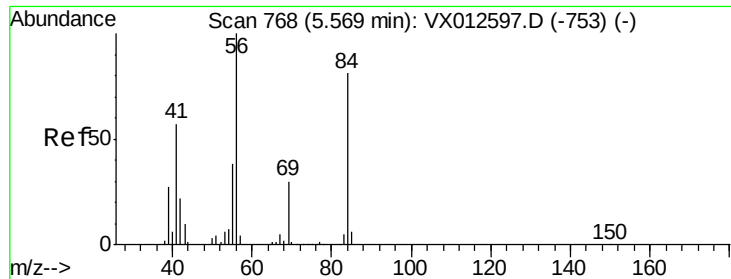
Tgt Ion:	84	Resp:	577
Ion	Ratio	Lower	Upper
84	100		
49	157.7	106.8	160.2
51	46.0	32.3	48.5
86	64.3	51.3	76.9



#24
1,1-Dichloroethane
Concen: 3.146 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Tgt Ion:	63	Resp:	12904
Ion	Ratio	Lower	Upper
63	100		
98	10.0	3.9	11.7
100	5.0	2.3	6.9

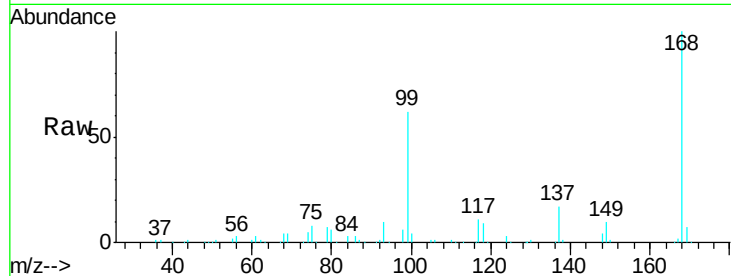




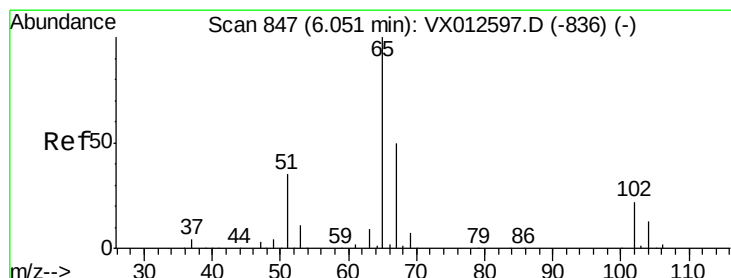
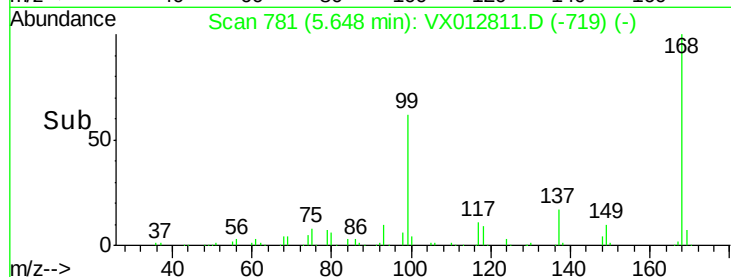
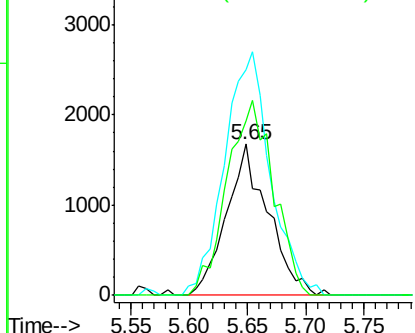
#31
Cyclohexane
Concen: 1.127 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
SA-MW128D-20190930

Tgt Ion: 56 Resp: 4181
Ion Ratio Lower Upper
56 100
69 149.4 25.0 37.6#
84 115.3 66.4 99.6#

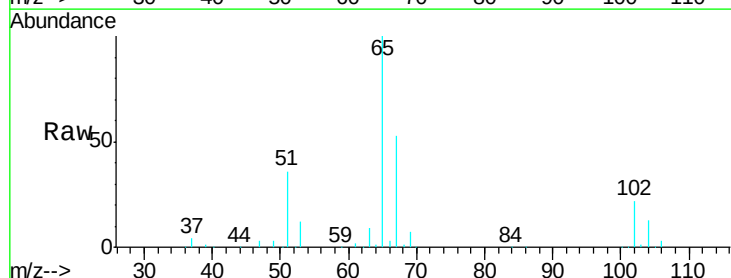


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

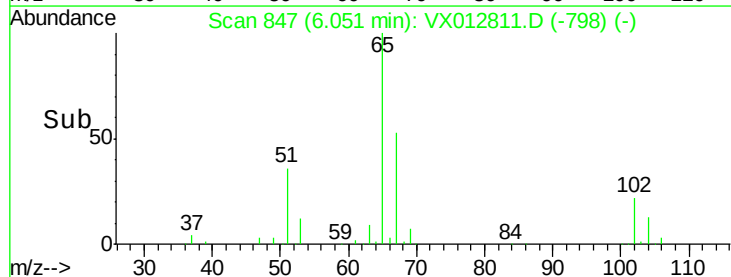
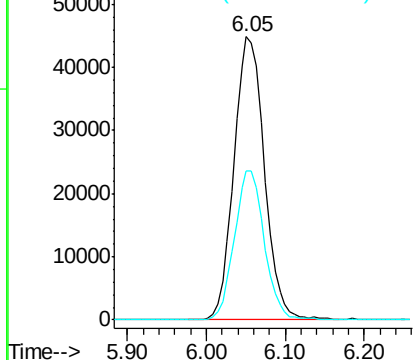


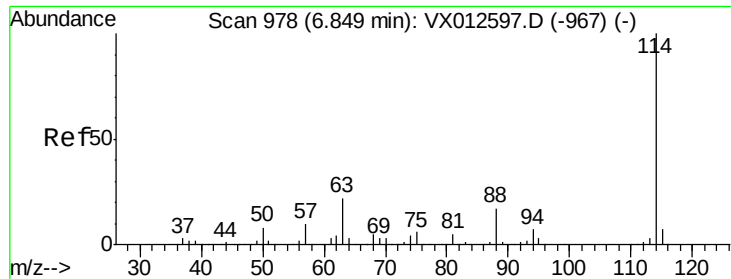
#33
1,2-Dichloroethane-d4
Concen: 45.172 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Tgt Ion: 65 Resp: 120437
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.2



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

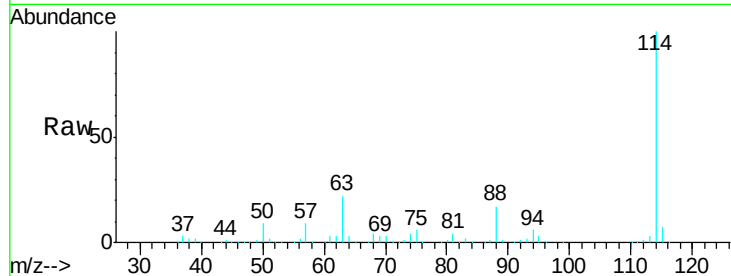




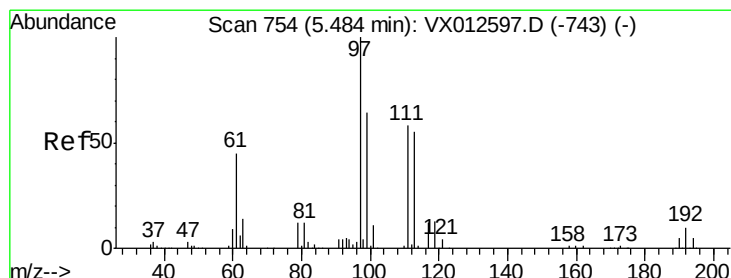
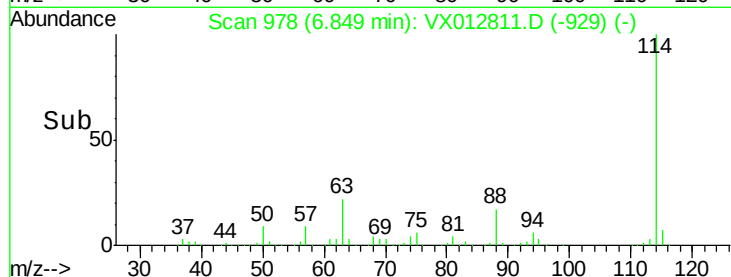
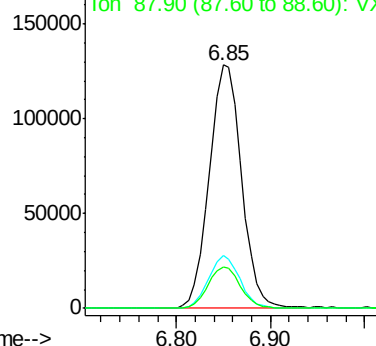
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

Tgt Ion:114 Resp: 307821
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.2
 88 16.9 0.0 33.2

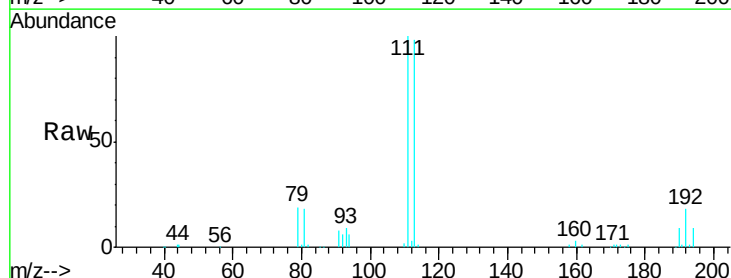


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

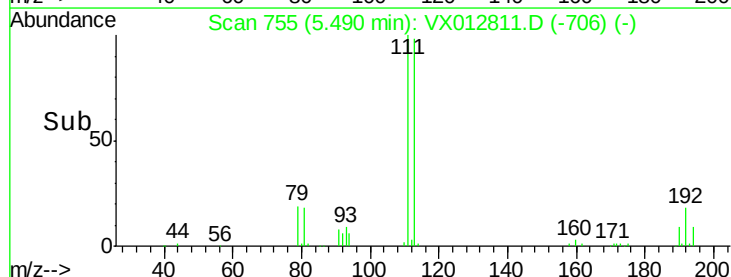
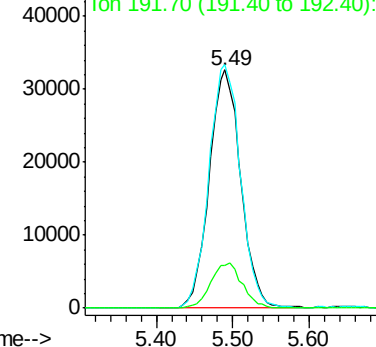


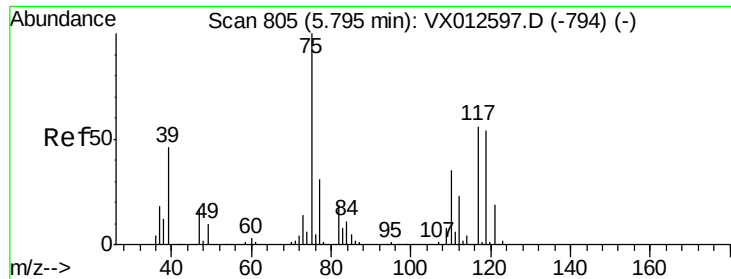
#35
 Dibromofluoromethane
 Concen: 50.997 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Tgt Ion:113 Resp: 93488
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.2
 192 19.0 14.4 21.6



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

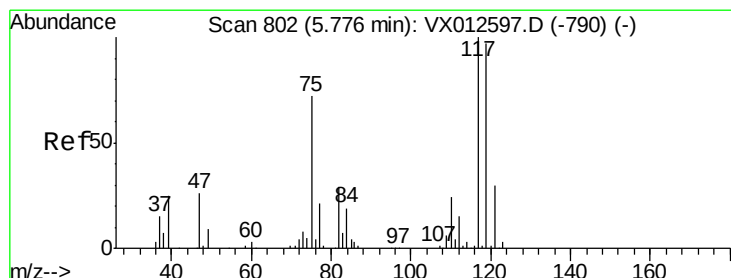
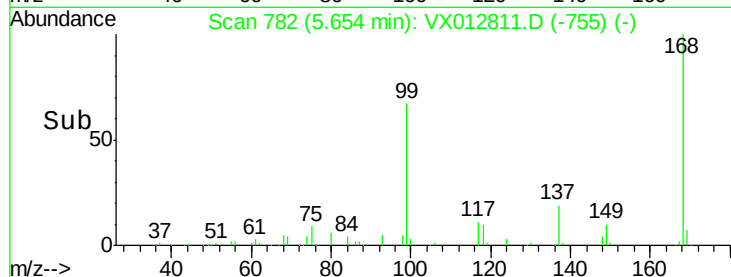
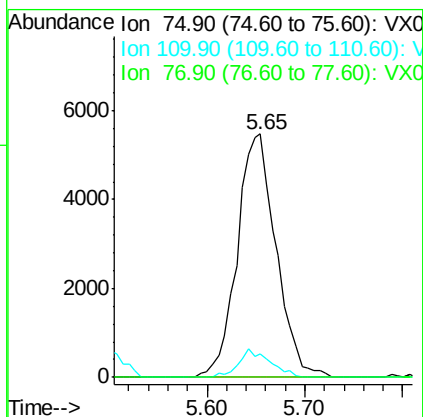
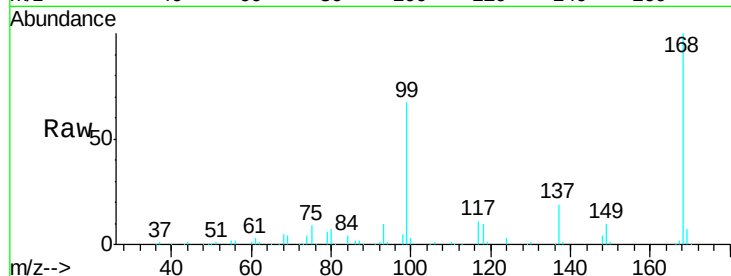




#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

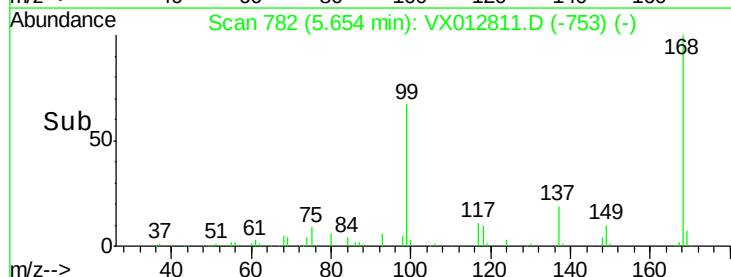
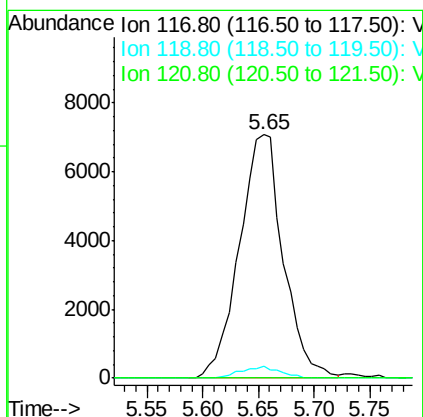
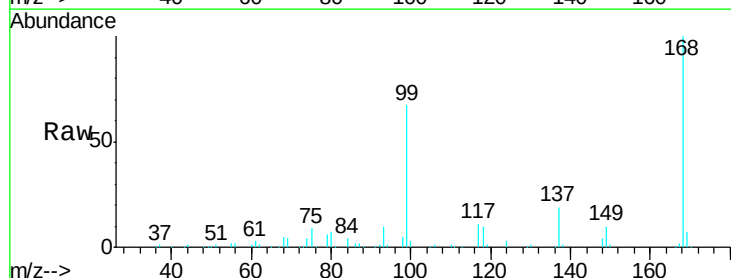
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

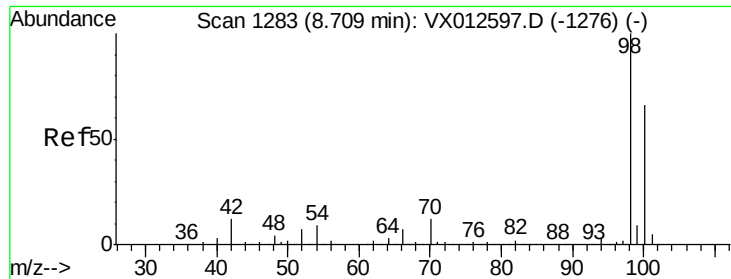
Tgt Ion: 75 Resp: 15079
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.430 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Tgt Ion: 117 Resp: 19380
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.034 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012811.D

Acq: 04 Oct 2019 15:01

Instrument :

MSVOA_X

ClientSampleId :

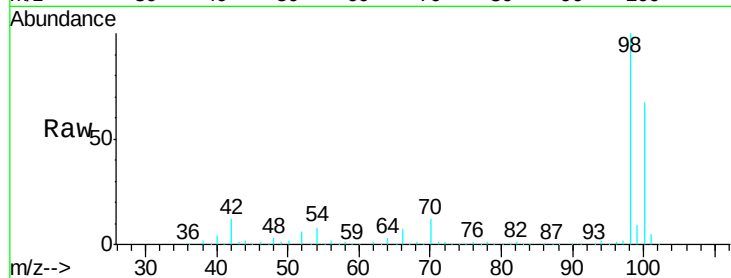
SA-MW128D-20190930

Tgt Ion: 98 Resp: 360293

Ion Ratio Lower Upper

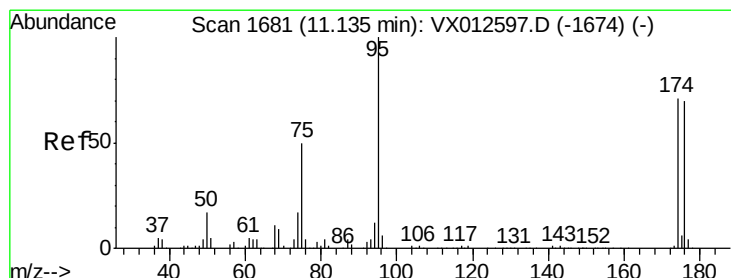
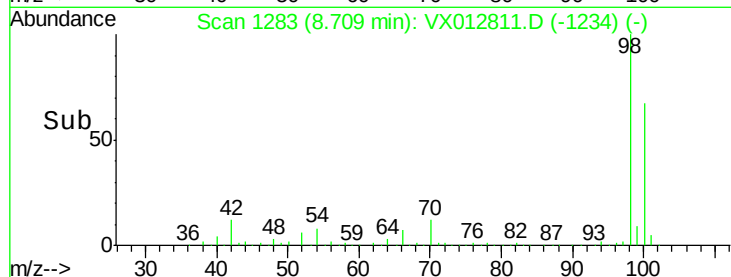
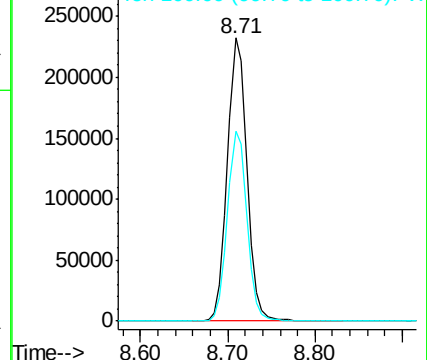
98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.730 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012811.D

Acq: 04 Oct 2019 15:01

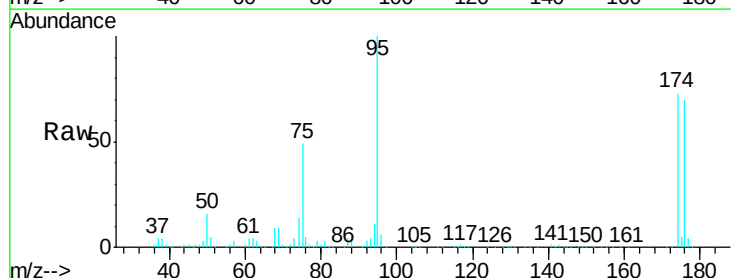
Tgt Ion: 95 Resp: 121393

Ion Ratio Lower Upper

95 100

174 70.8 0.0 140.0

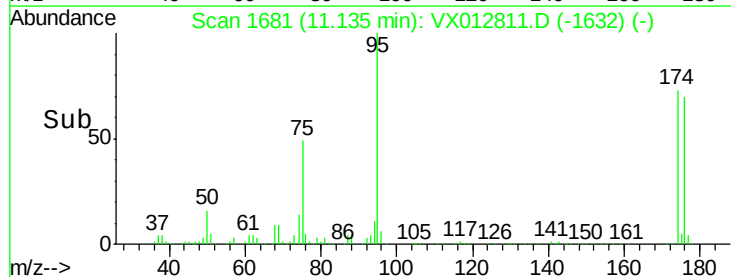
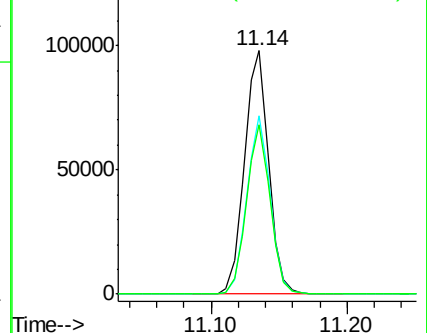
176 68.0 0.0 135.4

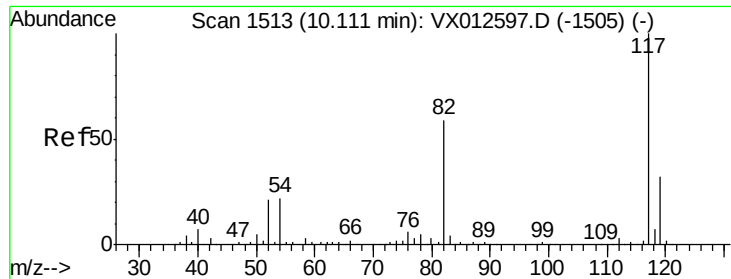


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

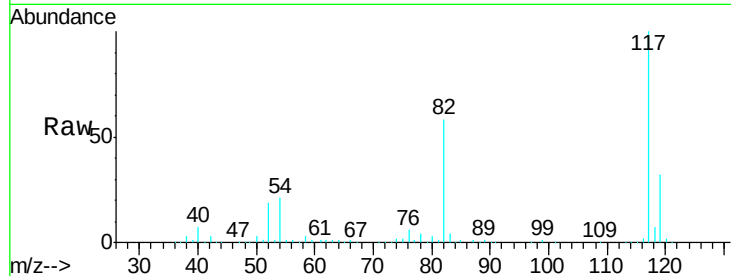




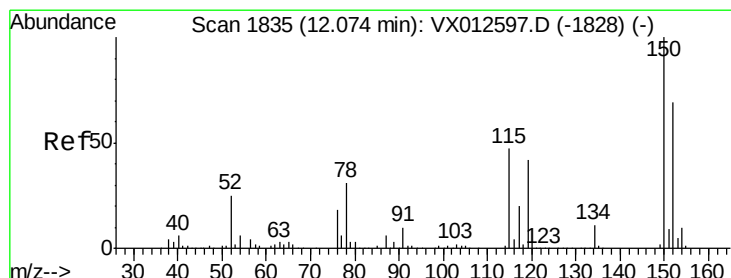
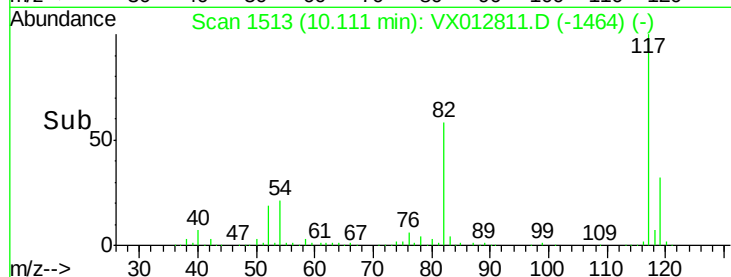
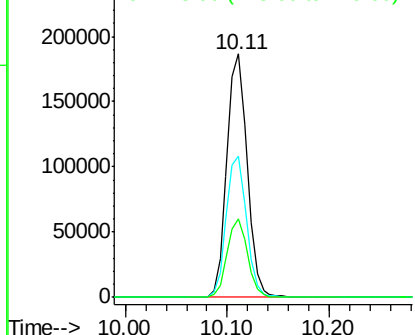
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Instrument :
MSVOA_X
ClientSampleId :
SA-MW128D-20190930

Tgt Ion:117 Resp: 257961
Ion Ratio Lower Upper
117 100
82 58.1 45.9 68.9
119 32.0 25.3 37.9

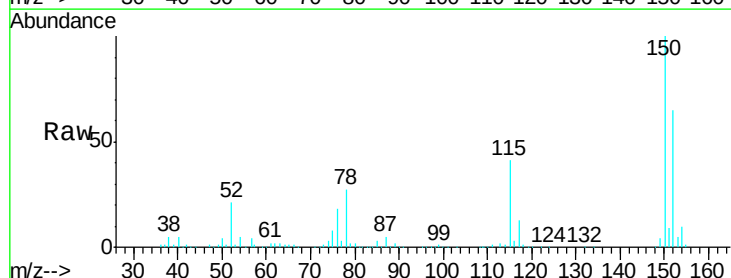


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

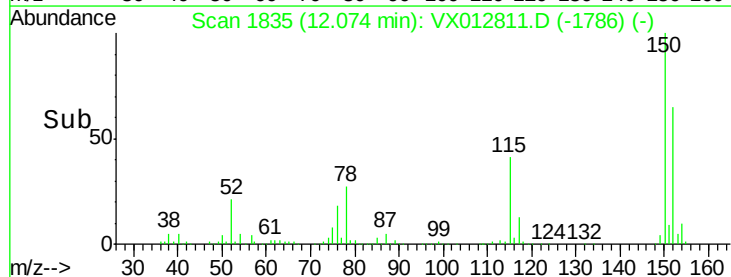
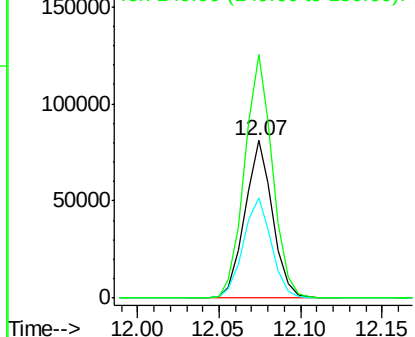


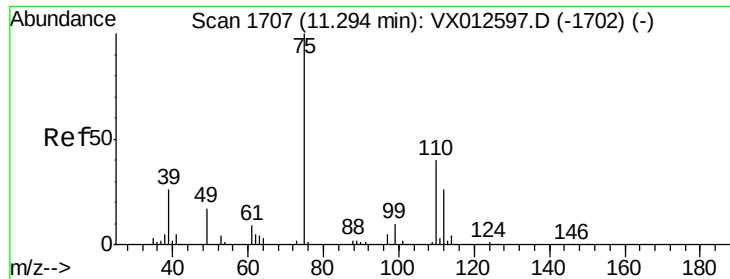
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012811.D
Acq: 04 Oct 2019 15:01

Tgt Ion:152 Resp: 95782
Ion Ratio Lower Upper
152 100
115 65.0 44.1 132.3
150 155.7 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

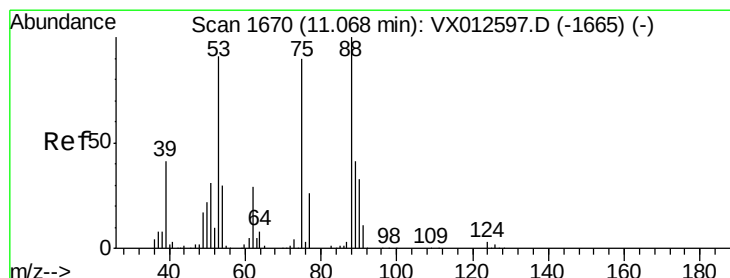
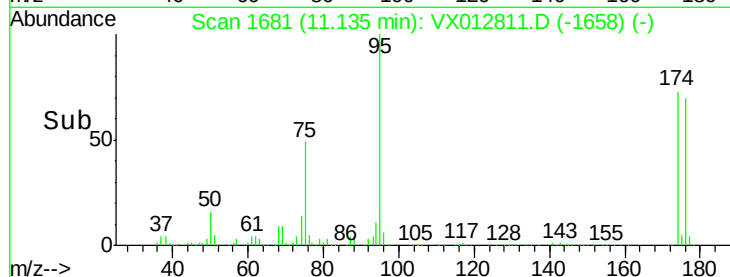
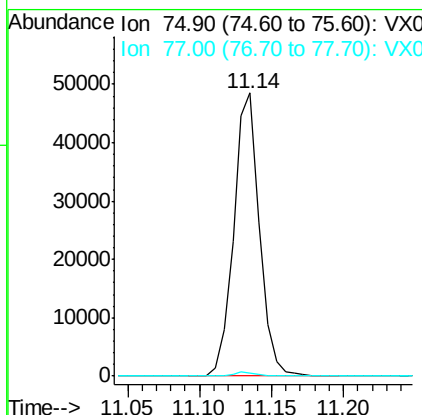
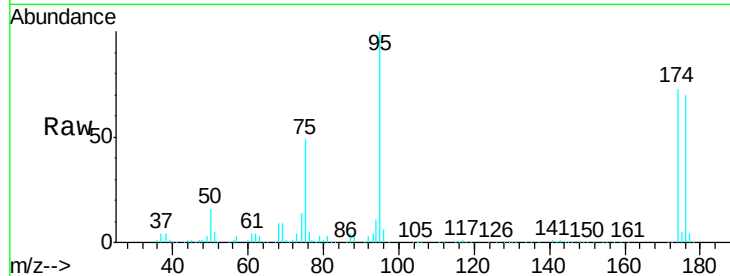




#76
 1,2,3-Trichloropropane
 Concen: 23.862 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

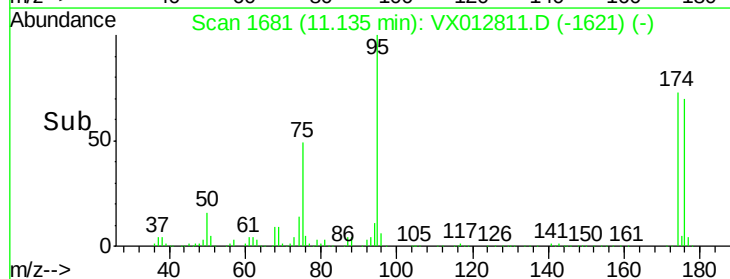
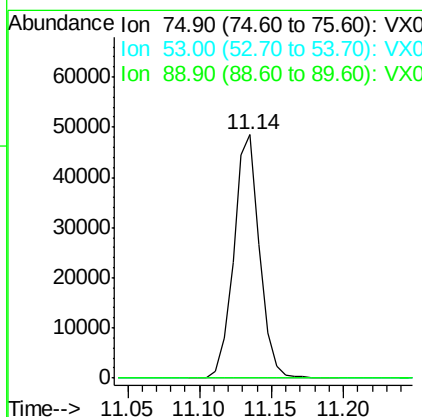
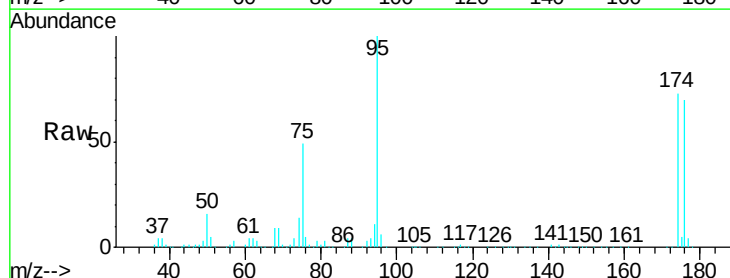
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

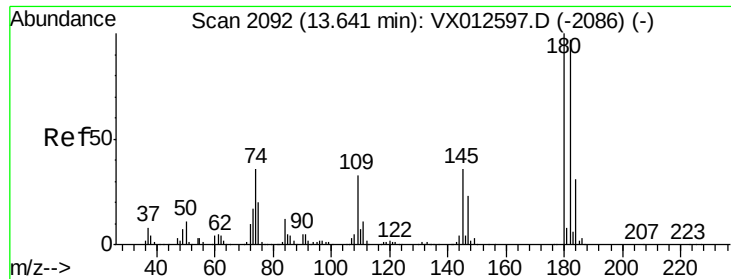
Tgt Ion: 75 Resp: 60459
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.384 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Tgt Ion: 75 Resp: 60459
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012811.D
 Acq: 04 Oct 2019 15:01

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128D-20190930

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	35.4	16.8	50.4

