

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012793.D
 Acq On : 03 Oct 2019 18:56
 Operator : JC/SP
 Sample : K5189-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128I-20190930

Quant Time: Oct 04 06:51:37 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	173813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300464	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	119573	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	5.49	113	89530	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.71	98	352724	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	120175	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	

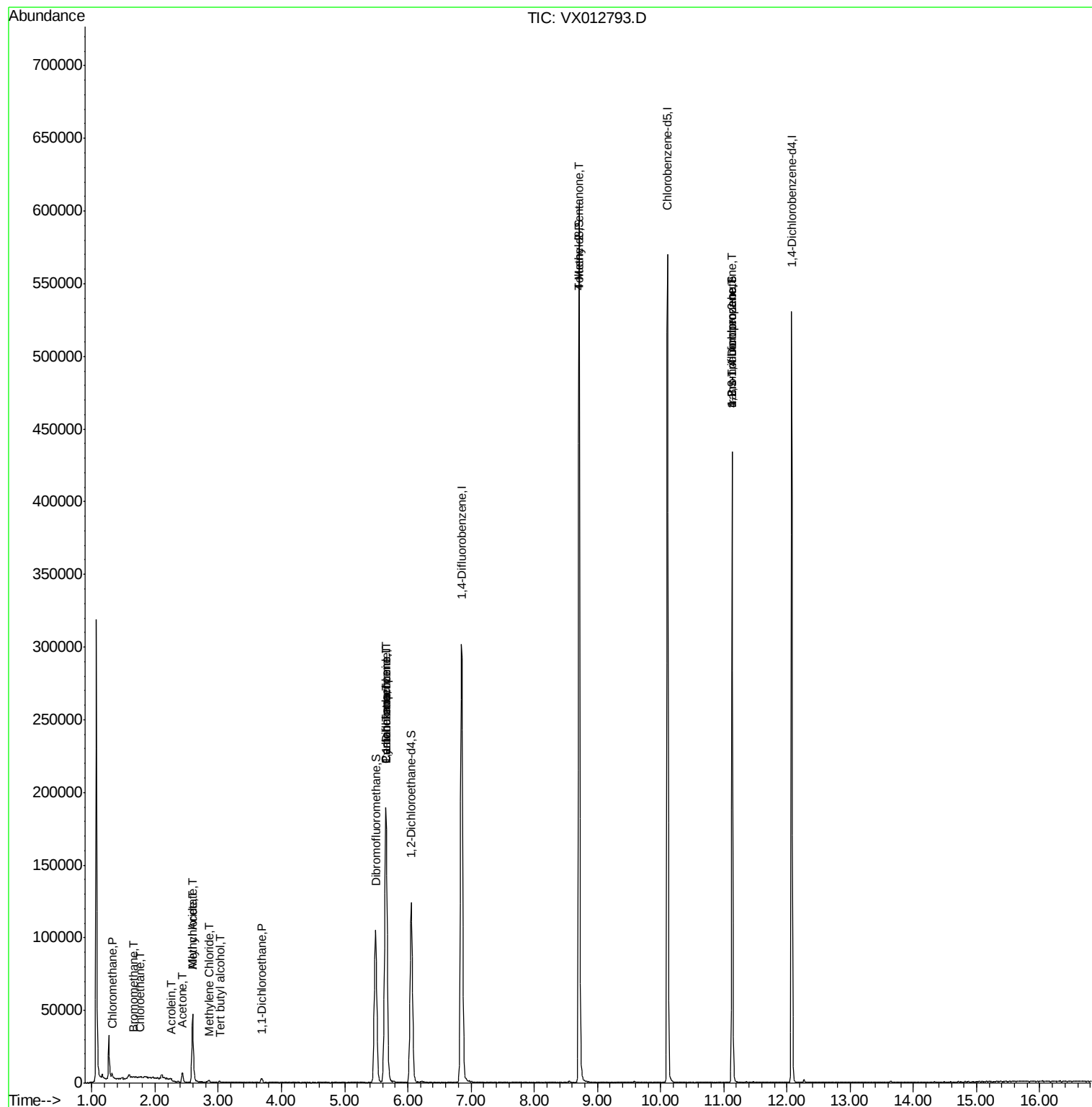
Target Compounds						Qvalue
3) Chloromethane	1.32	50	1542	0.687	ug/l #	83
5) Bromomethane	1.65	94	203	0.231	ug/l #	69
6) Chloroethane	1.76	64	477	0.317	ug/l #	45
11) Tert butyl alcohol	3.03	59	931	1.472	ug/l #	72
13) Acrolein	2.26	56	22	10.293	ug/l #	15
14) Allyl chloride	2.59	41	4404	1.188	ug/l #	58
16) Acetone	2.43	43	7028	5.242	ug/l	100
18) Methyl Acetate	2.59	43	13250	4.197	ug/l #	54
20) Methylene Chloride	2.85	84	488	0.215	ug/l #	78
24) 1,1-Dichloroethane	3.69	63	3278	0.842	ug/l	98
31) Cyclohexane	5.65	56	3918	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14689	5.072	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18611	6.326	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	1664	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60019	22.656	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	60019	64.927	ug/l #	8

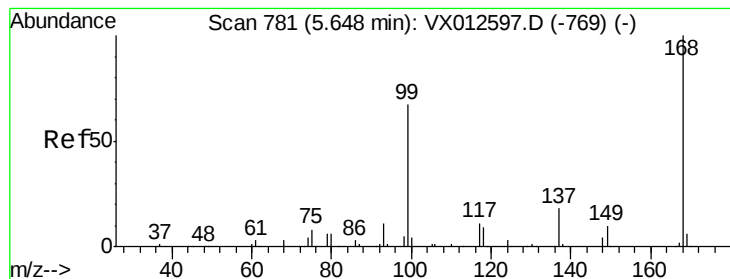
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012793.D

Acq: 03 Oct 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

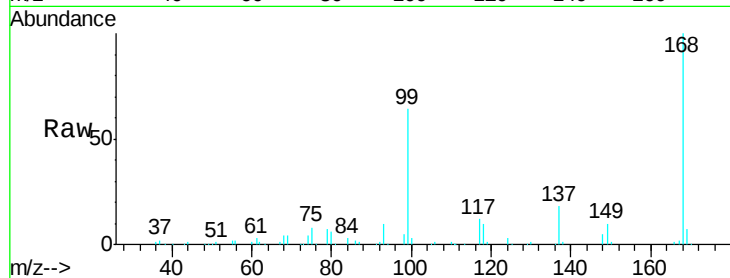
SA-MW128I-20190930

Tgt Ion:168 Resp: 173813

Ion Ratio Lower Upper

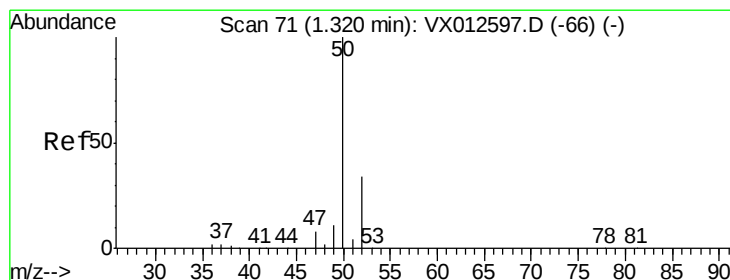
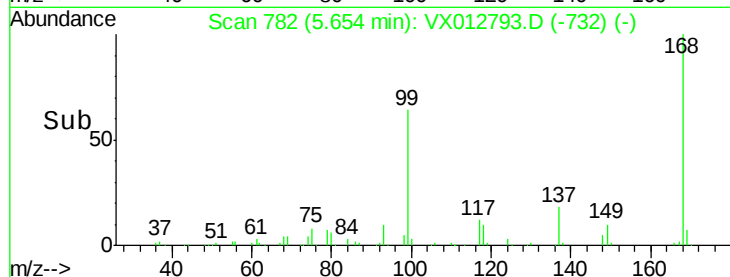
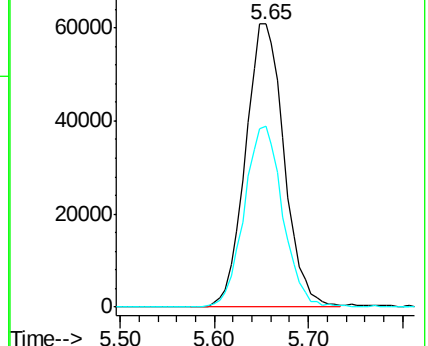
168 100

99 64.0 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: 0.687 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012793.D

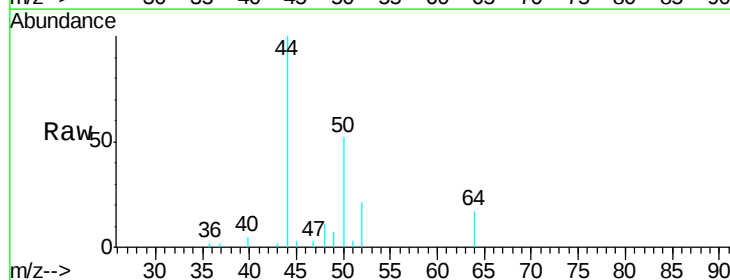
Acq: 03 Oct 2019 18:56

Tgt Ion: 50 Resp: 1542

Ion Ratio Lower Upper

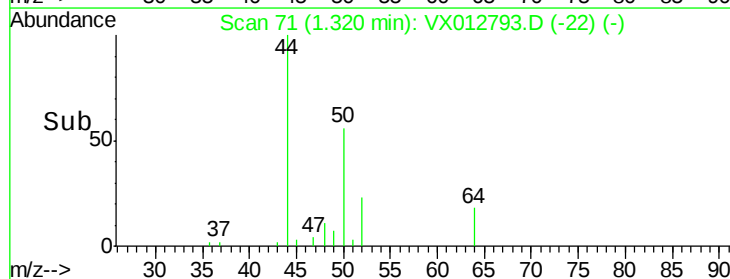
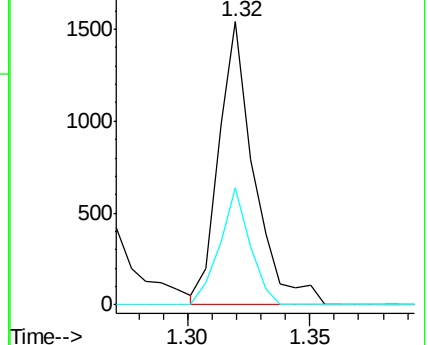
50 100

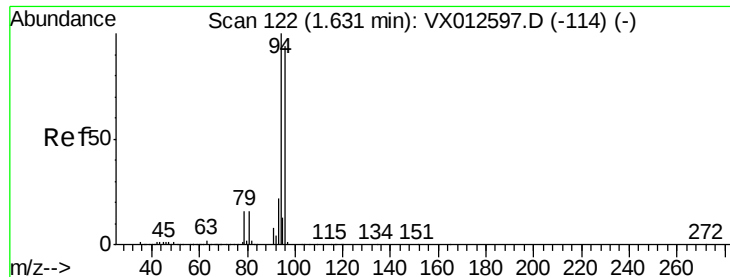
52 41.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.231 ug/l

RT: 1.65 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX012793.D

Acq: 03 Oct 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

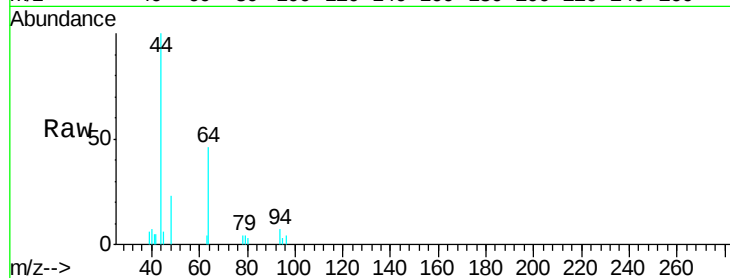
SA-MW128I-20190930

Tgt Ion: 94 Resp: 203

Ion Ratio Lower Upper

94 100

96 61.6 72.8 109.2#



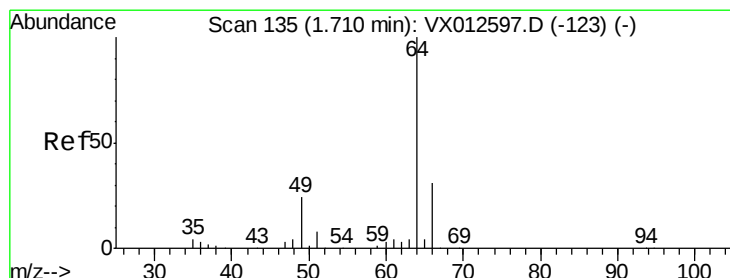
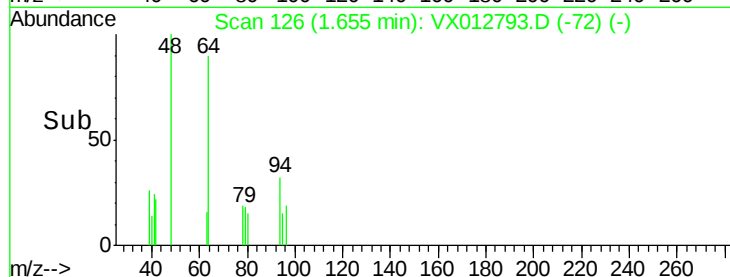
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: 0.317 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX012793.D

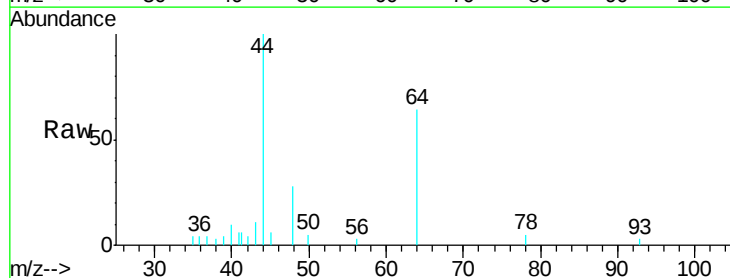
Acq: 03 Oct 2019 18:56

Tgt Ion: 64 Resp: 477

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



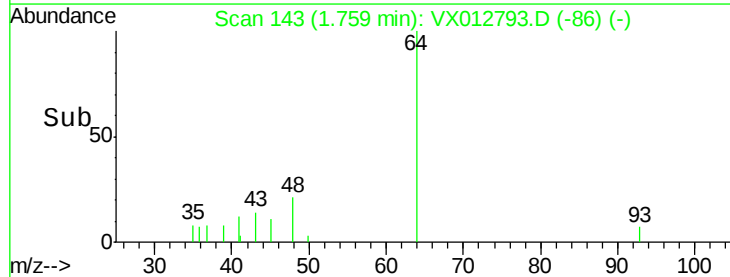
Abundance Ion 63.90 (63.60 to 64.60): VX0

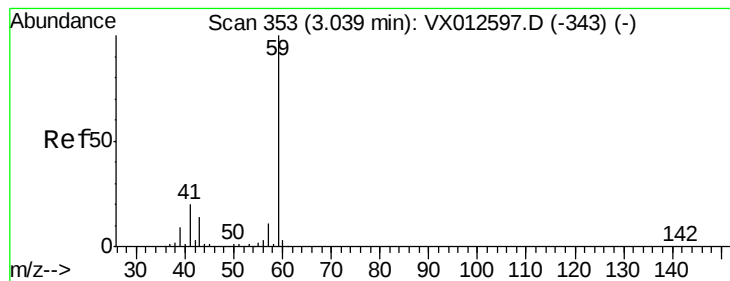
Ion 65.90 (65.60 to 66.60): VX0

1.76

1.70 1.72 1.74 1.76 1.78

Time-->



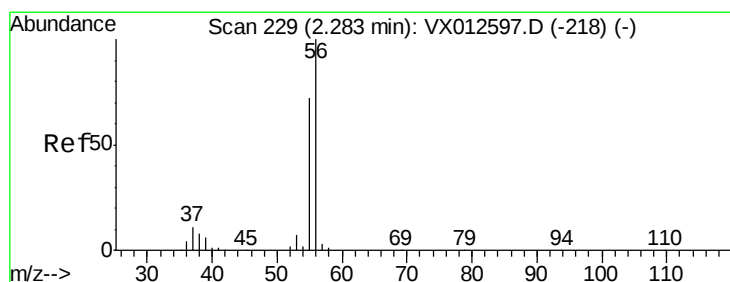
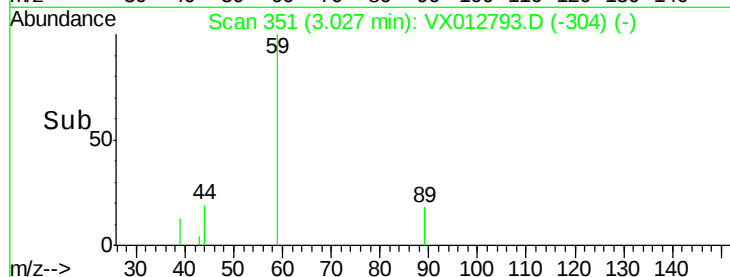
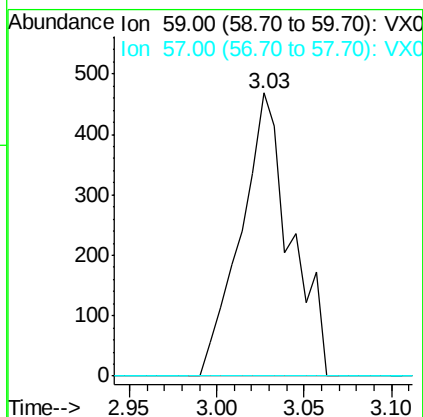
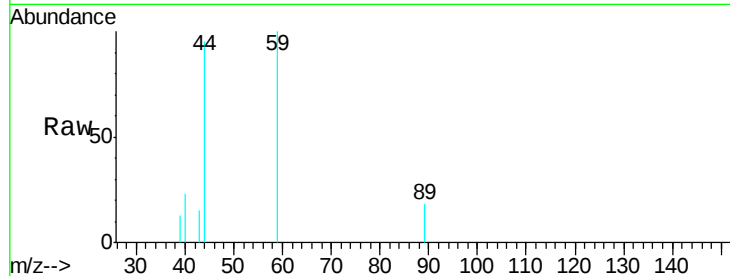


#11

Tert butyl alcohol
 Concen: 1.472 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128I-20190930

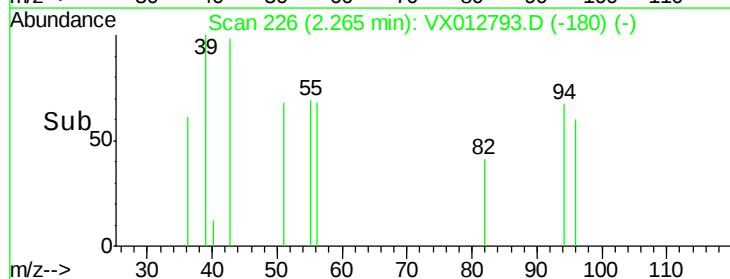
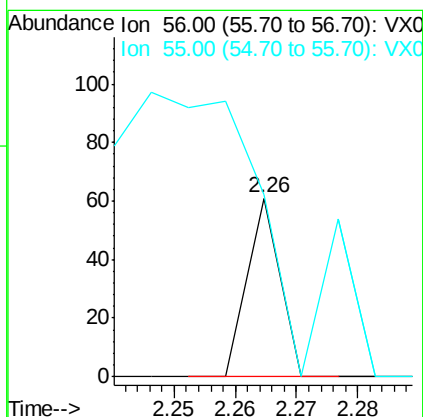
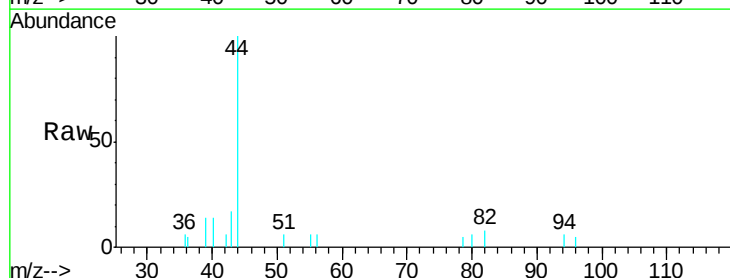
Tgt Ion: 59 Resp: 931
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

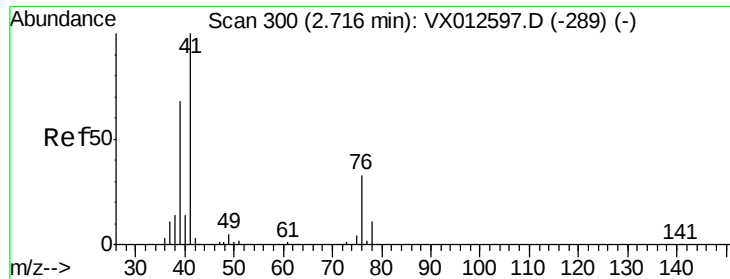


#13

Acrolein
 Concen: 10.293 ug/l
 RT: 2.26 min Scan# 226
 Delta R.T. -0.02 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Tgt Ion: 56 Resp: 22
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#

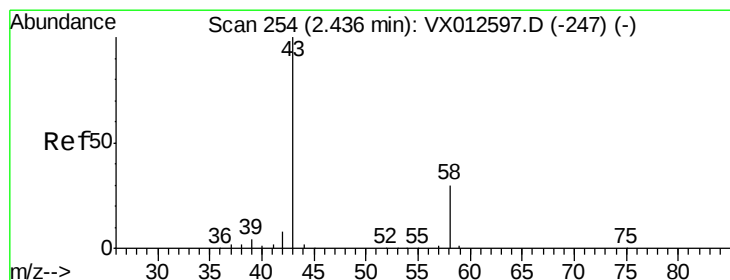
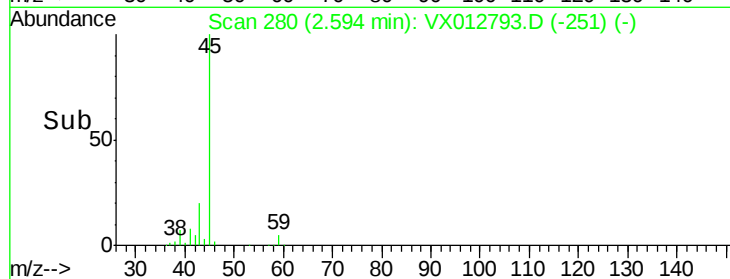
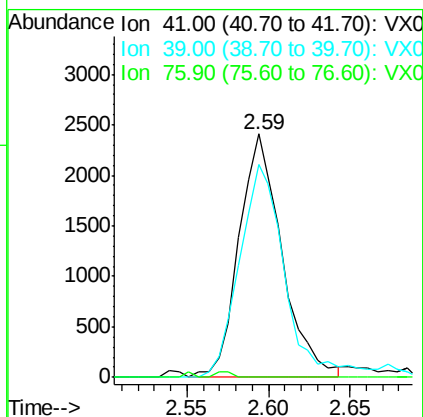
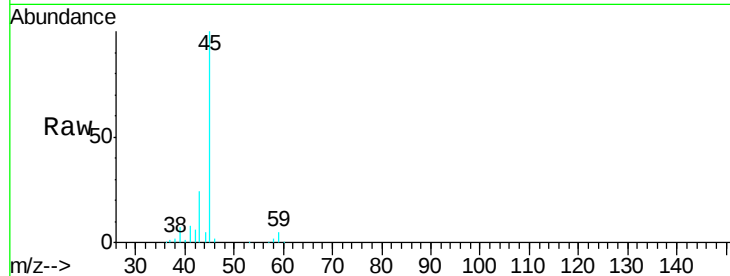




#14
 Allyl chloride
 Concen: 1.188 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

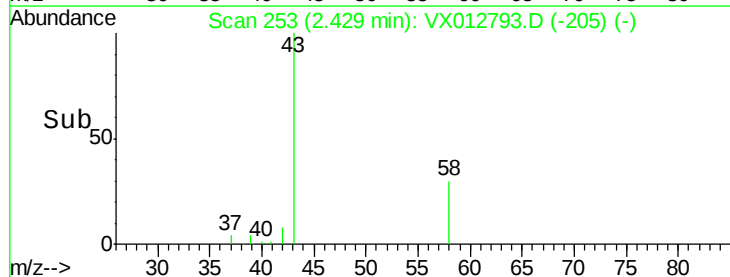
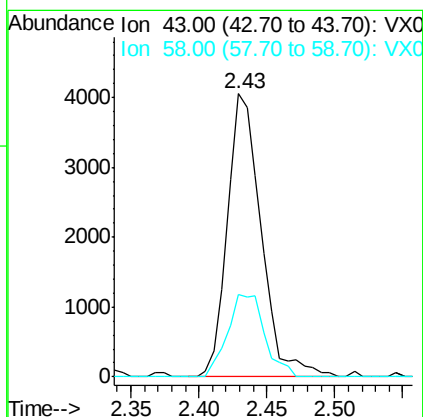
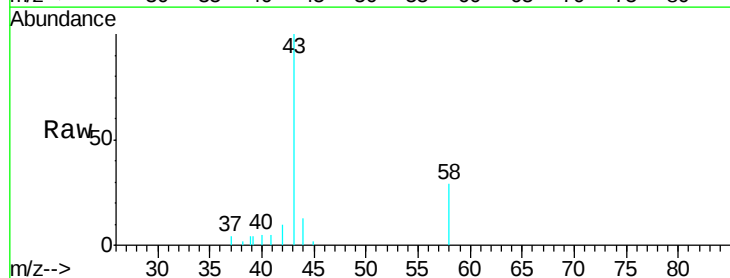
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128I-20190930

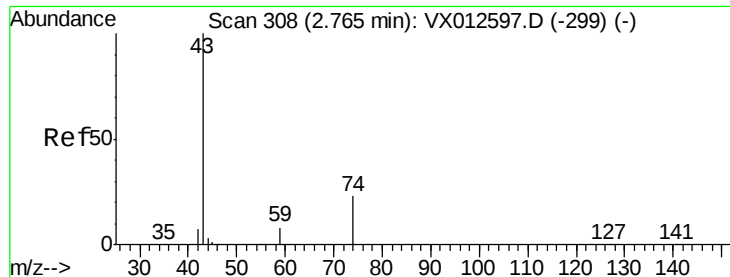
Tgt Ion: 41 Resp: 4404
 Ion Ratio Lower Upper
 41 100
 39 93.3 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 5.242 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Tgt Ion: 43 Resp: 7028
 Ion Ratio Lower Upper
 43 100
 58 29.2 23.3 34.9

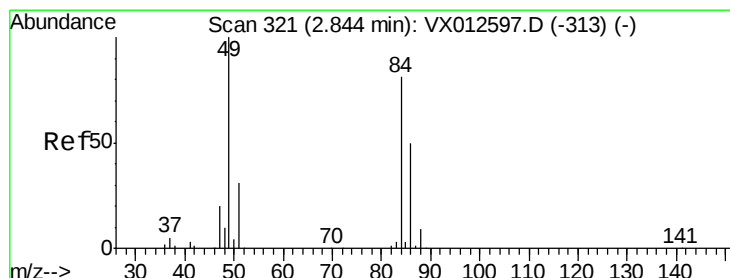
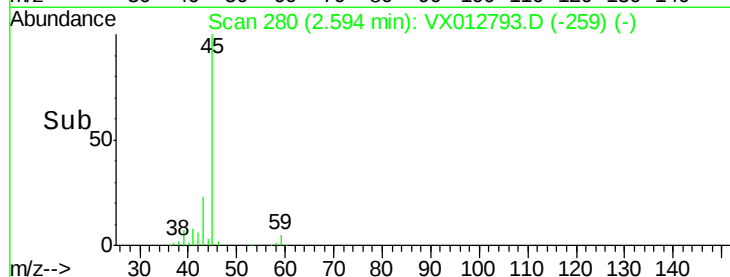
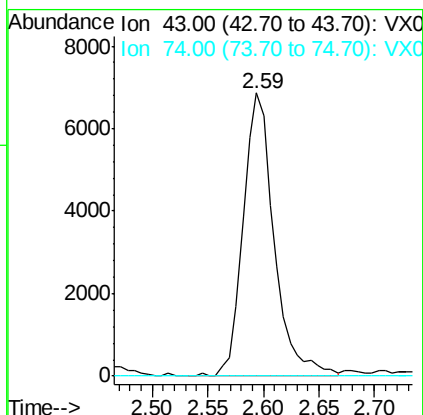
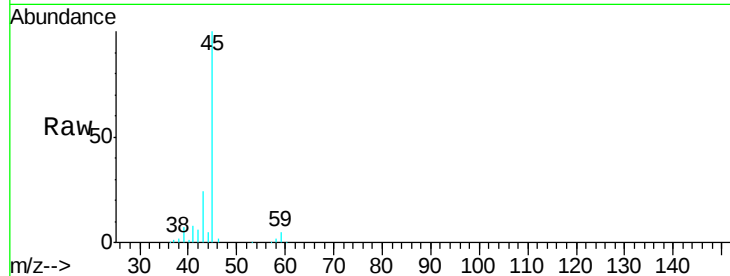




#18
Methyl Acetate
Concen: 4.197 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

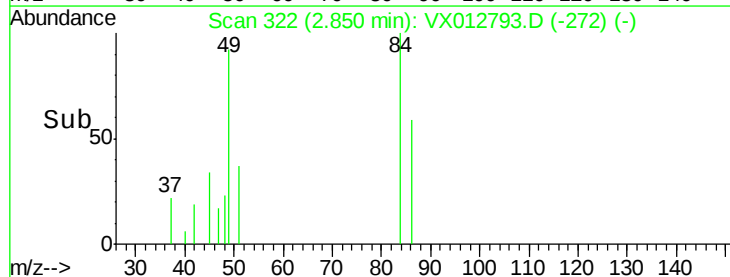
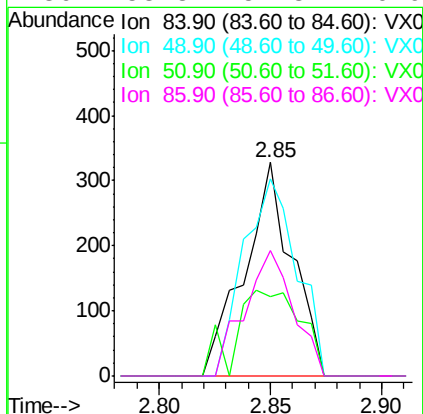
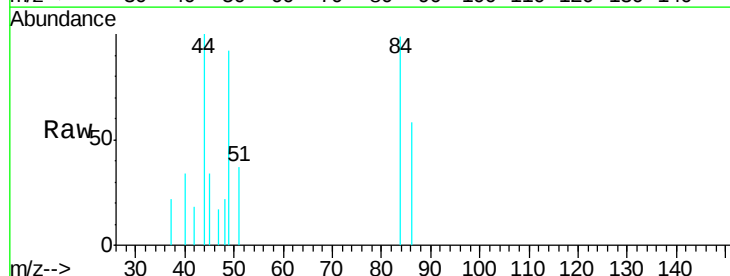
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SA-MW128I-20190930

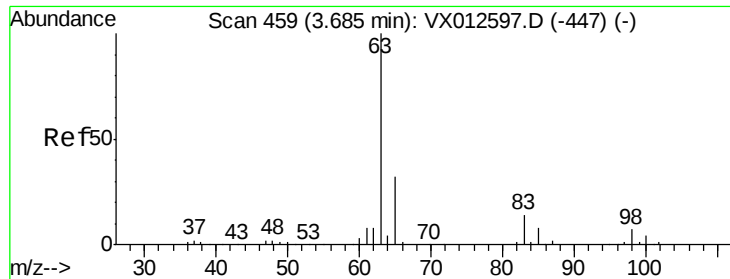
Tgt Ion: 43 Resp: 13250
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

Tgt Ion: 84 Resp: 488
Ion Ratio Lower Upper
84 100
49 92.1 106.8 160.2#
51 37.2 32.3 48.5
86 58.8 51.3 76.9

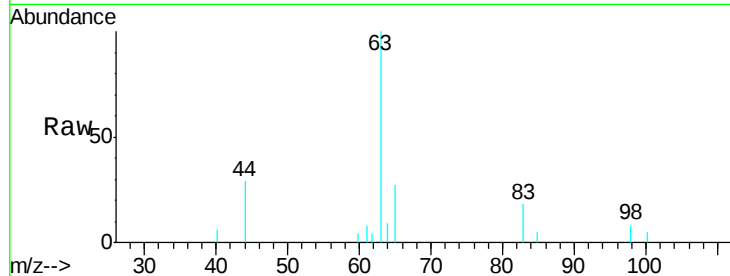




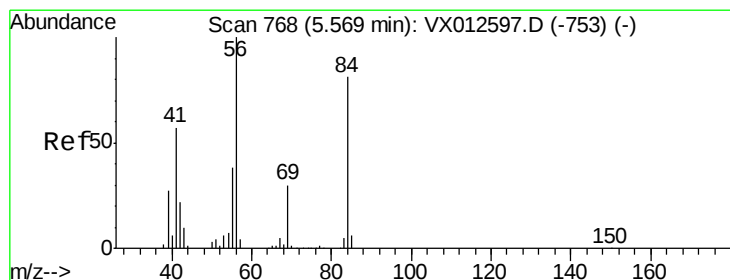
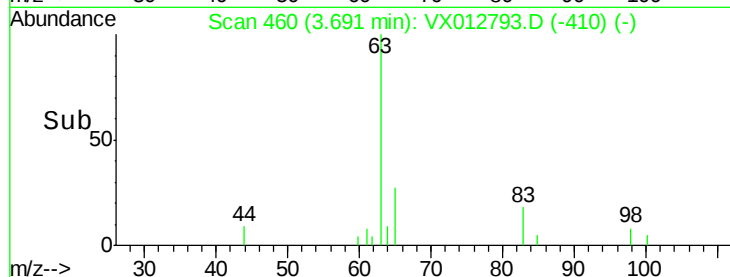
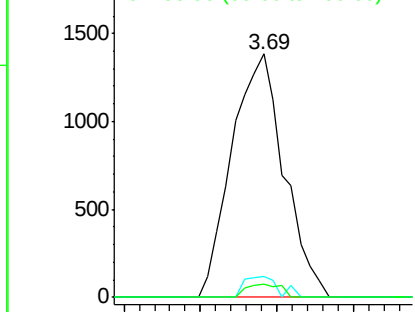
#24
 1,1-Dichloroethane
 Concen: 0.842 ug/l
 RT: 3.69 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128I-20190930

Tgt Ion:	63	Resp:	3278
Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.9	11.7
100	5.2	2.3	6.9

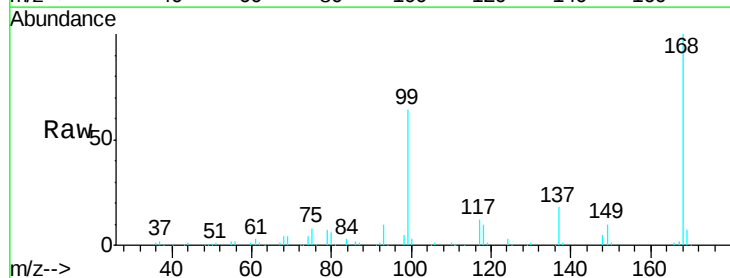


Abundance Ion 62.90 (62.60 to 63.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0
 Ion 99.90 (99.60 to 100.60): VX0

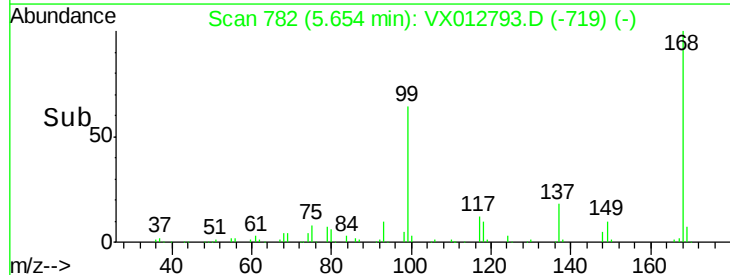
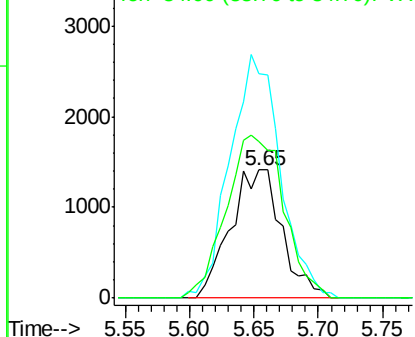


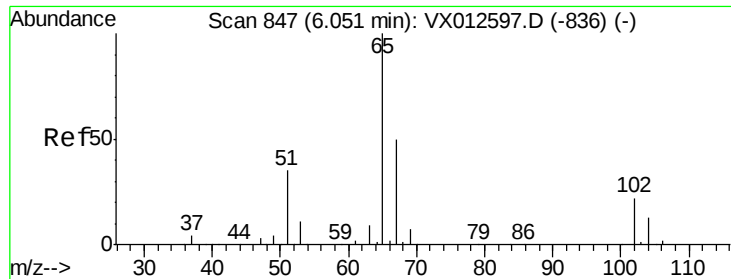
#31
 Cyclohexane
 Concen: 1.112 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Tgt Ion:	56	Resp:	3918
Ion	Ratio	Lower	Upper
56	100		
69	175.5	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

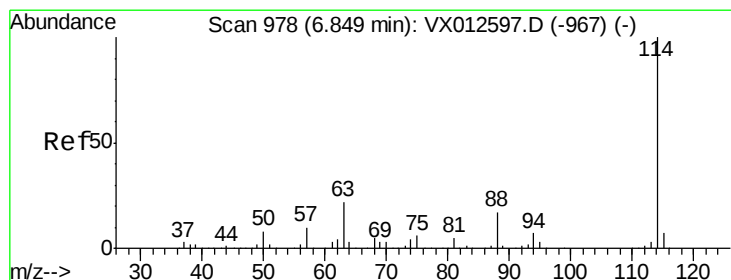
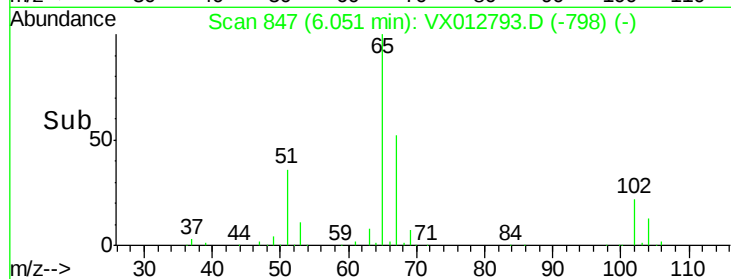
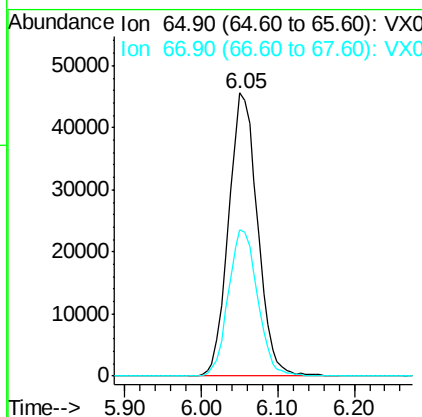
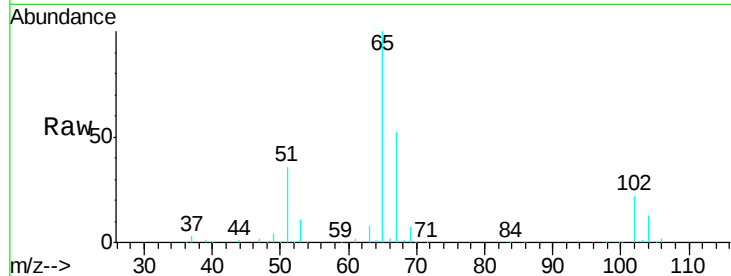




#33
 1,2-Dichloroethane-d4
 Concen: 47.242 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

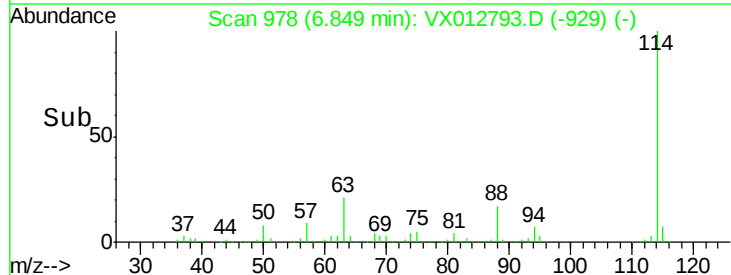
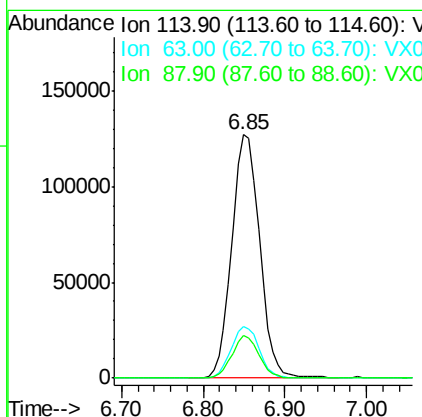
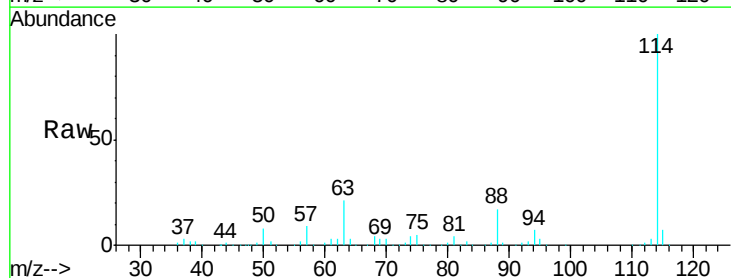
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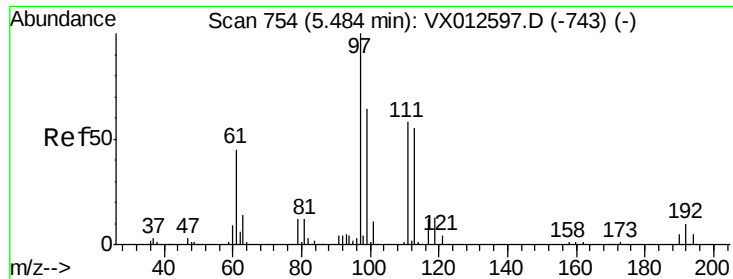
Tgt Ion: 65 Resp: 119573
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Tgt Ion: 114 Resp: 300464
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 17.5 0.0 33.2

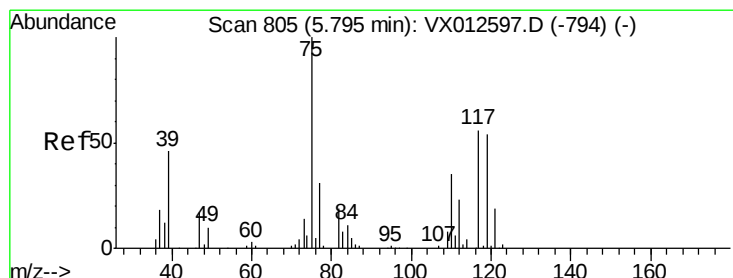
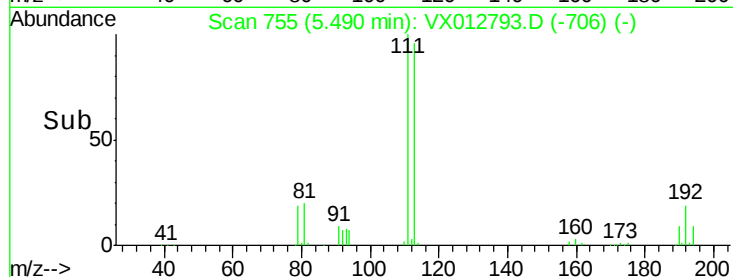
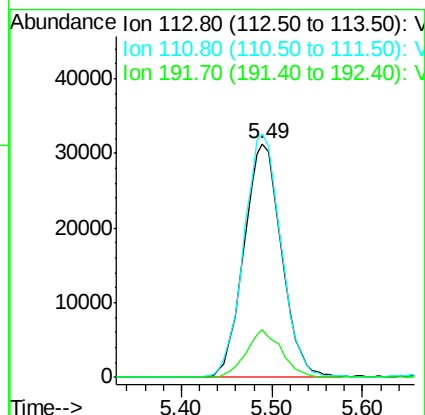
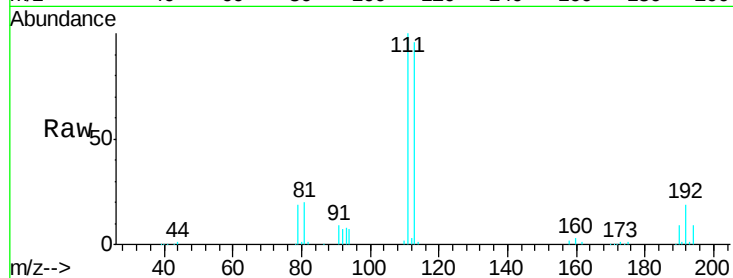




#35
Dibromofluoromethane
Concen: 50.034 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

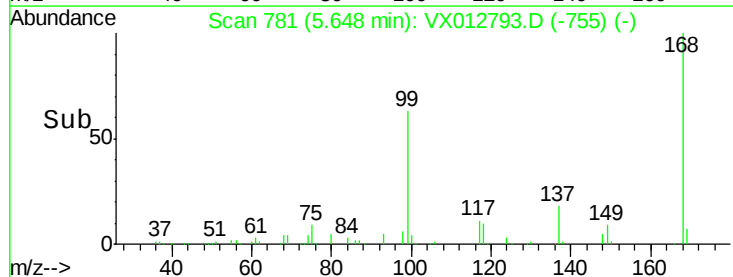
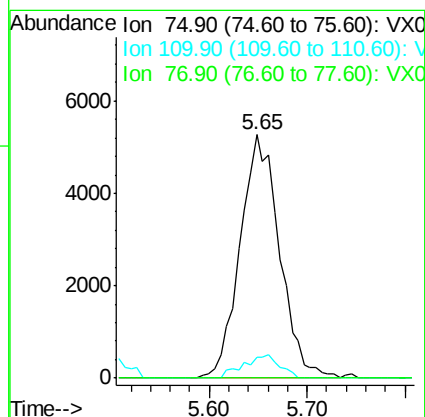
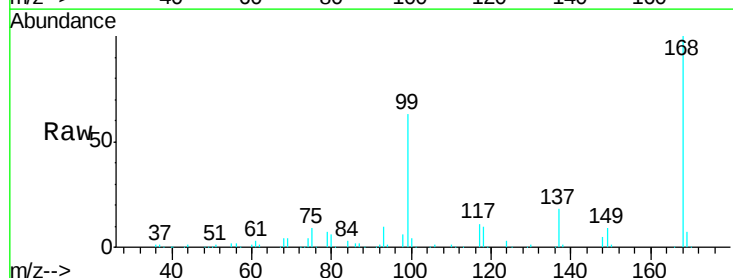
Instrument :
MSVOA_X
ClientSampleId :
SA-MW128I-20190930

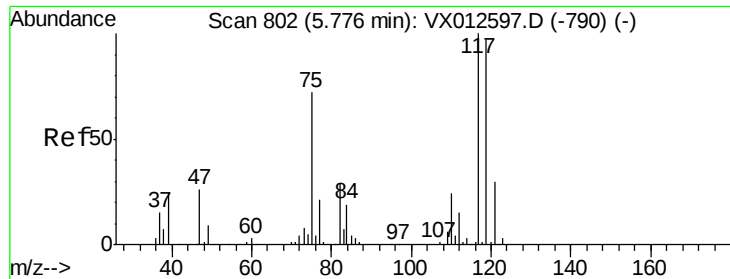
Tgt Ion:113 Resp: 89530
Ion Ratio Lower Upper
113 100
111 103.6 83.4 125.2
192 19.0 14.4 21.6



#36
1,1-Dichloropropene
Concen: 5.072 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.14 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

Tgt Ion: 75 Resp: 14689
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.0#
77 0.0 24.2 36.2#

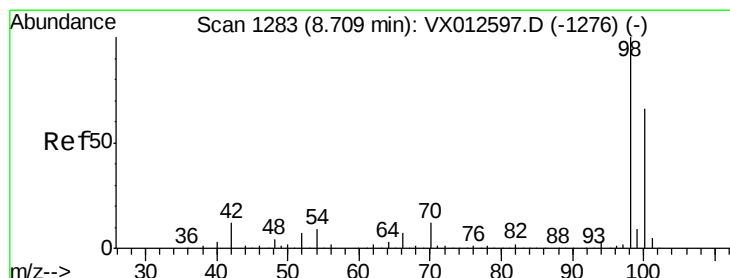
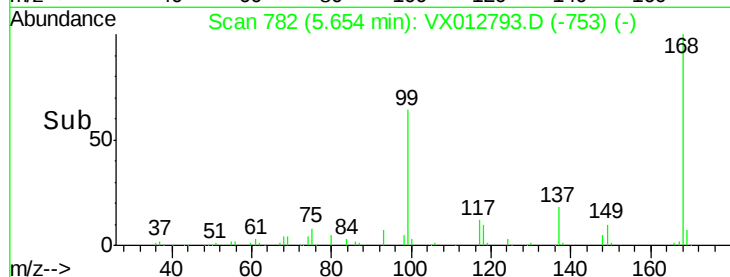
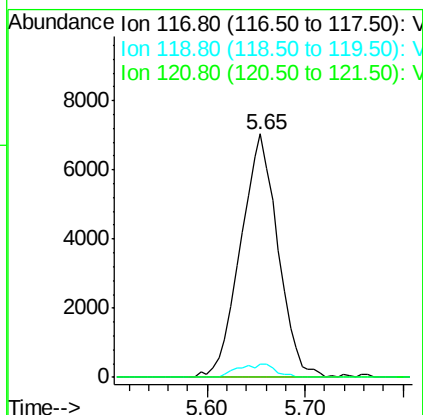
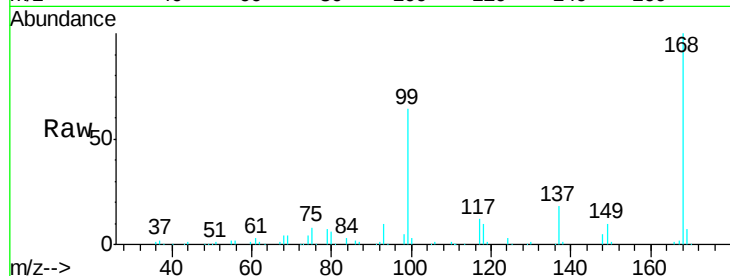




#38
Carbon Tetrachloride
Concen: 6.326 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

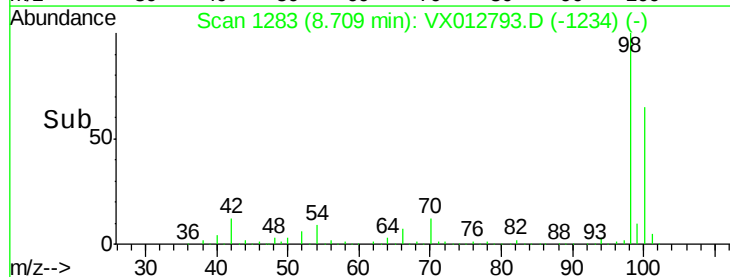
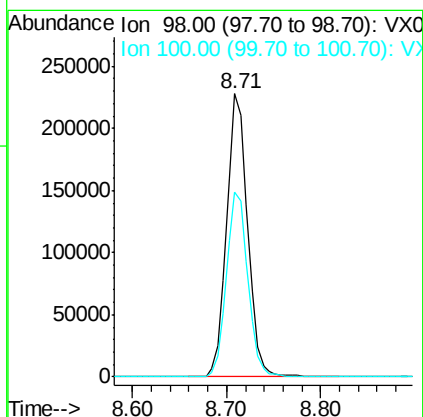
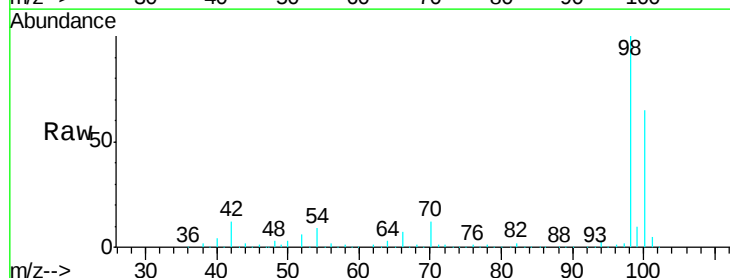
Instrument :
MSVOA_X
ClientSampleId :
SA-MW128I-20190930

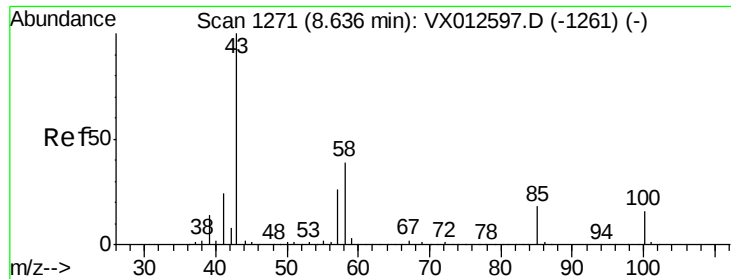
Tgt Ion: 117 Resp: 18611
Ion Ratio Lower Upper
117 100
119 5.4 75.7 113.5#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 51.186 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

Tgt Ion: 98 Resp: 352724
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 0.476 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX012793.D

Acq: 03 Oct 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

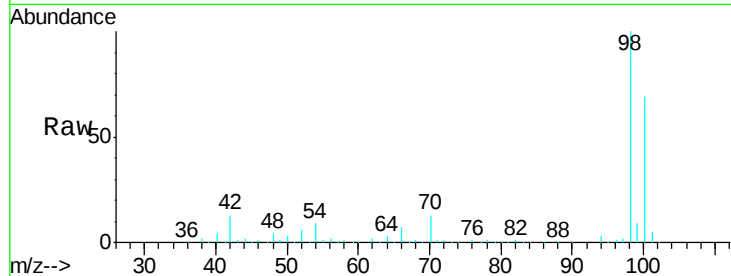
SA-MW128I-20190930

Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

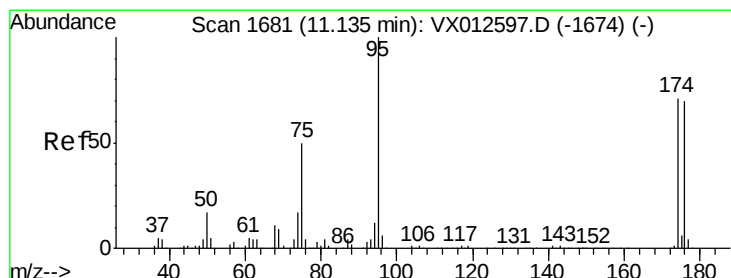
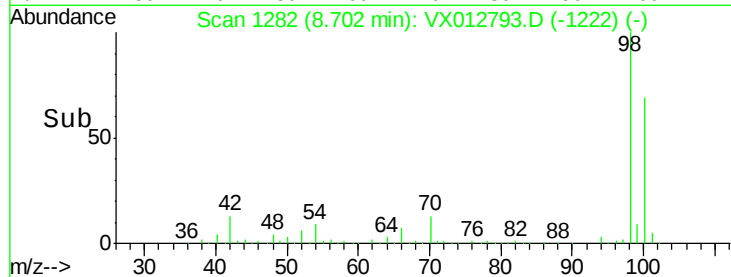
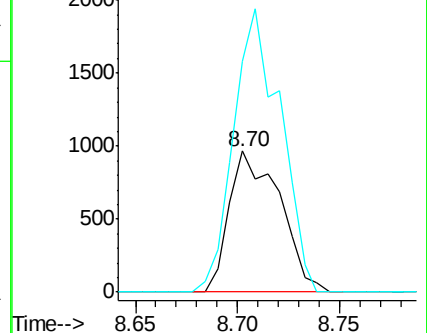
43 100

58 185.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.352 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012793.D

Acq: 03 Oct 2019 18:56

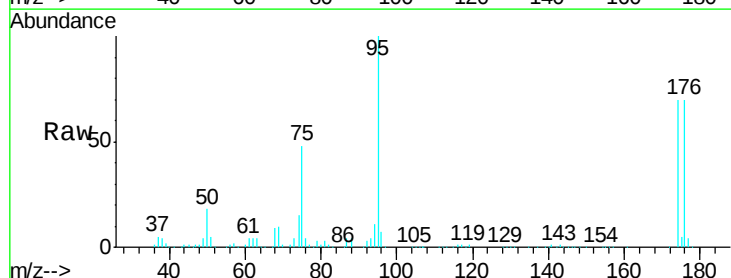
Tgt Ion: 95 Resp: 120175

Ion Ratio Lower Upper

95 100

174 68.9 0.0 140.0

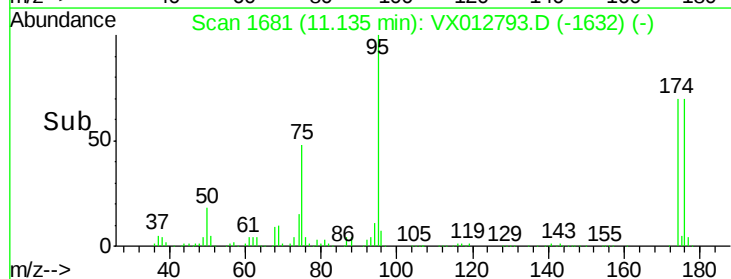
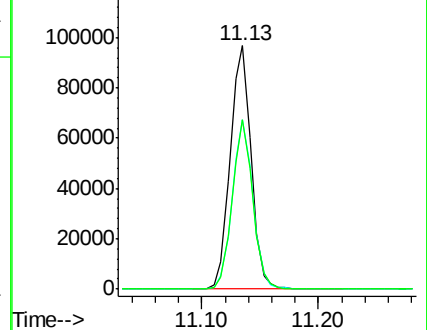
176 68.0 0.0 135.4

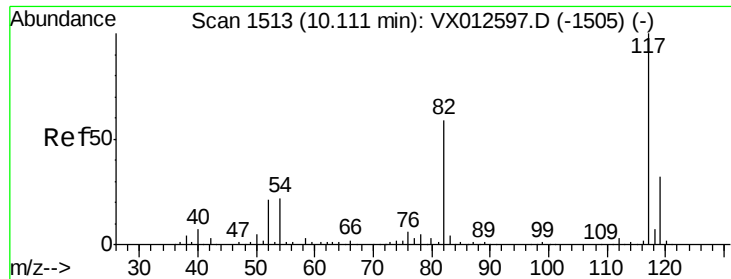


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

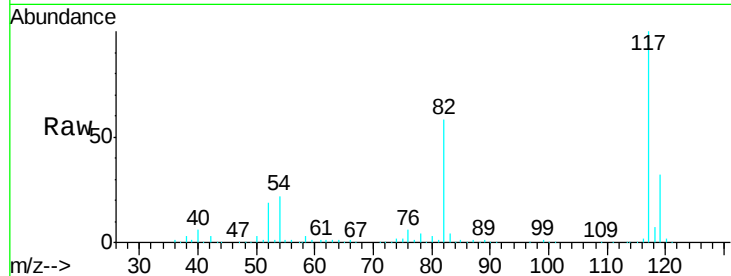




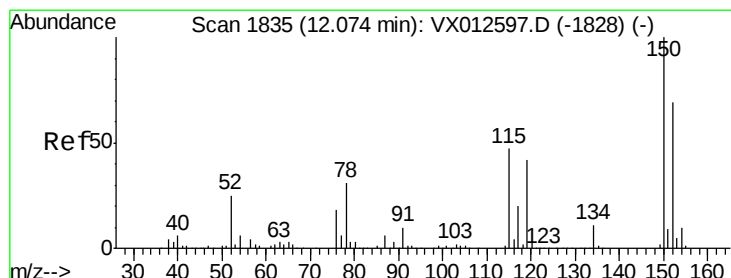
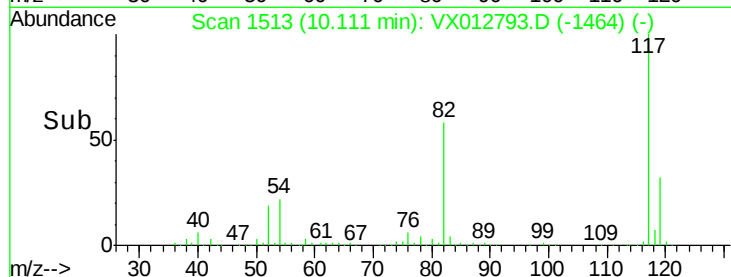
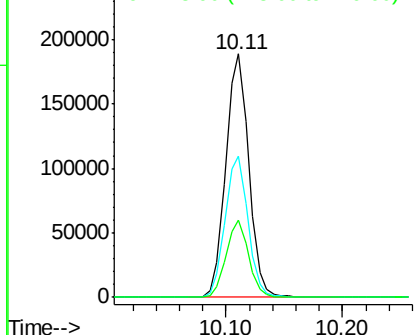
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
SA-MW128I-20190930

Tgt Ion:117 Resp: 258563
Ion Ratio Lower Upper
117 100
82 57.8 45.9 68.9
119 31.8 25.3 37.9

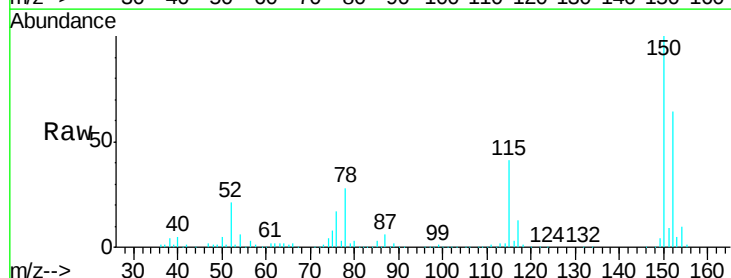


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

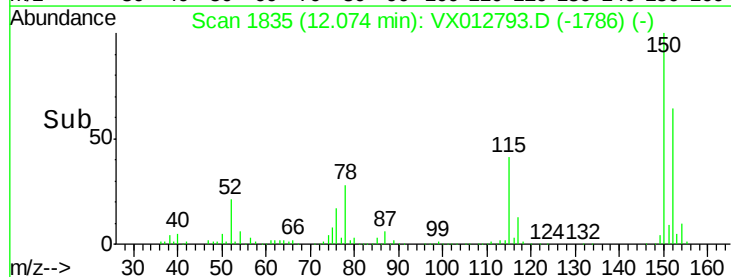
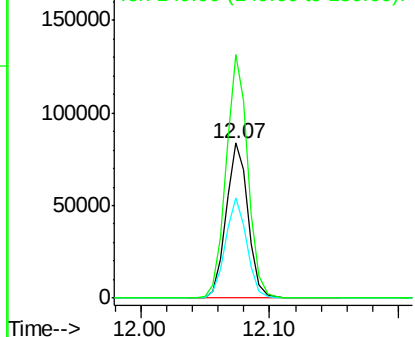


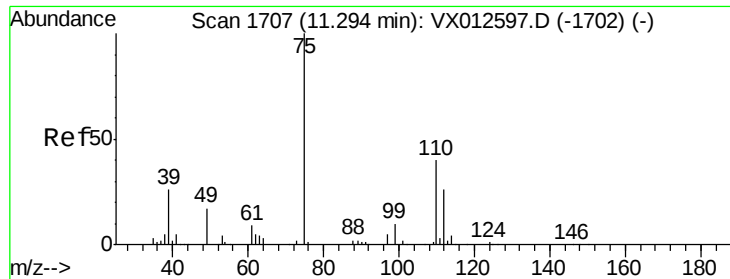
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012793.D
Acq: 03 Oct 2019 18:56

Tgt Ion:152 Resp: 100147
Ion Ratio Lower Upper
152 100
115 63.2 44.1 132.3
150 156.2 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

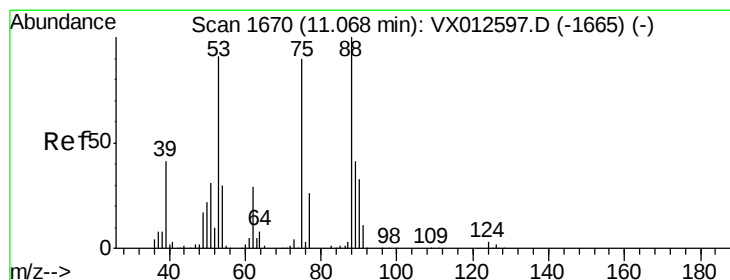
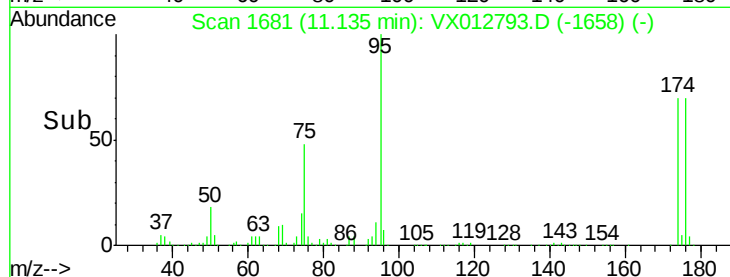
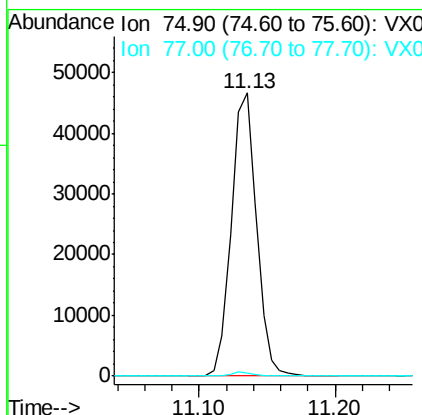
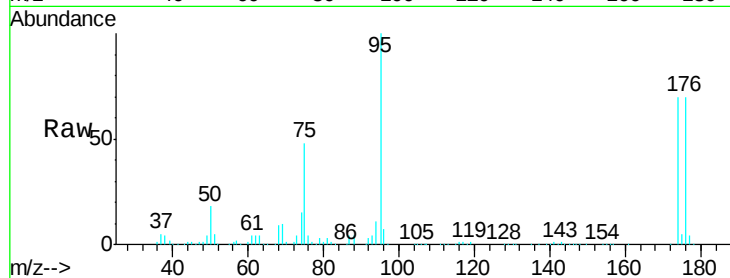




#76
 1,2,3-Trichloropropane
 Concen: 22.656 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-MW128I-20190930

Tgt Ion: 75 Resp: 60019
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.927 ug/l
 RT: 11.13 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012793.D
 Acq: 03 Oct 2019 18:56

Tgt Ion: 75 Resp: 60019
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.0 36.3 54.5#

