

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012797.D
 Acq On : 03 Oct 2019 20:30
 Operator : JC/SP
 Sample : K5189-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ180I-20191001

Quant Time: Oct 04 06:52:27 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	169274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294259	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91656	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	119504	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.49	113	88457	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	8.71	98	347275	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.14	95	113648	42.83	ug/l	0.00
Spiked Amount			Recovery	=	85.66%	

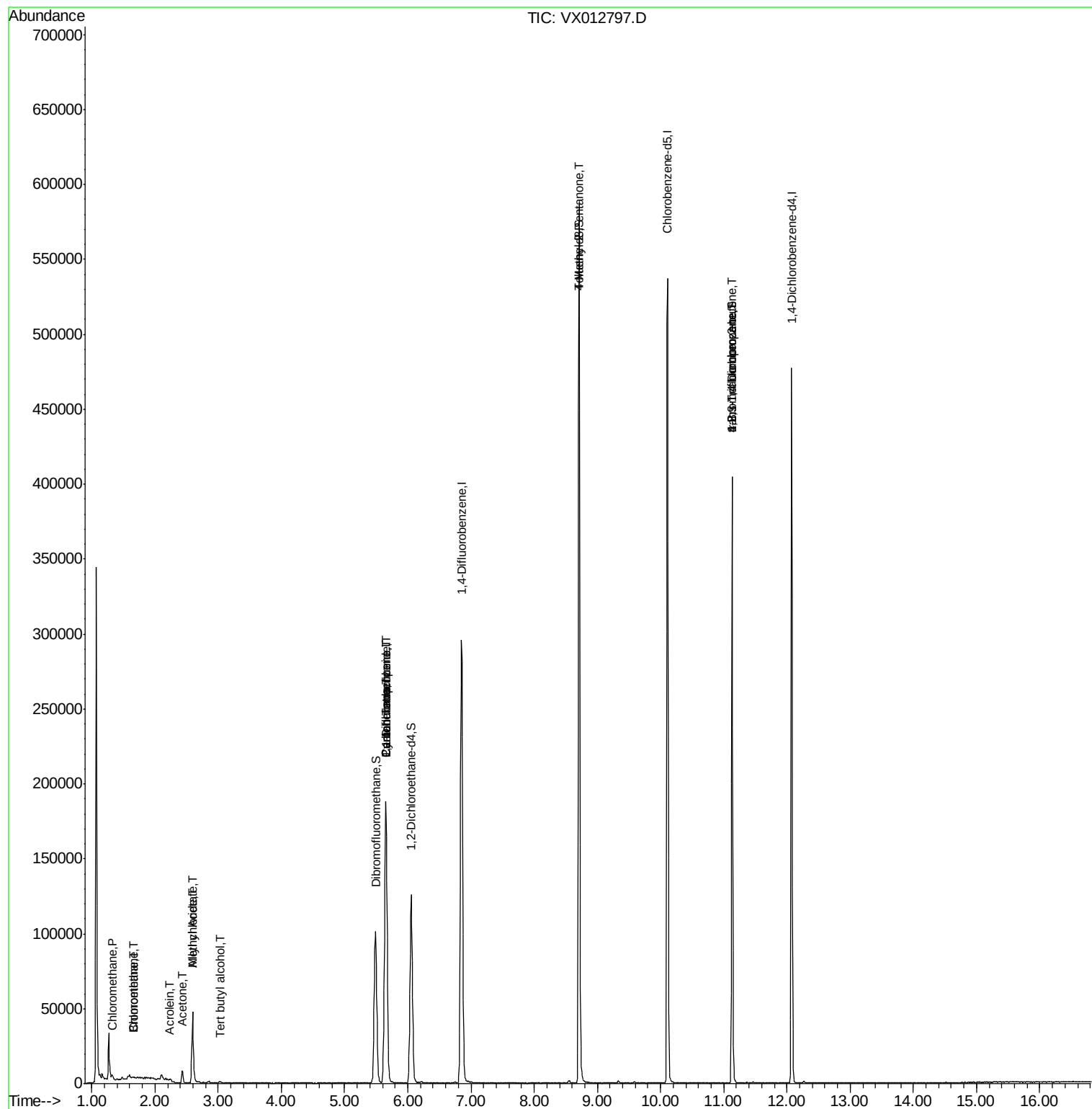
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1549	0.708	ug/l	100
5) Bromomethane	1.65	94	365	0.427	ug/l #	48
6) Chloroethane	1.66	64	539	0.368	ug/l #	72
11) Tert butyl alcohol	3.04	59	1189	1.931	ug/l #	82
13) Acrolein	2.22	56	20	10.289	ug/l #	1
14) Allyl chloride	2.59	41	5054	1.400	ug/l #	71
16) Acetone	2.43	43	8478	6.493	ug/l	92
18) Methyl Acetate	2.59	43	13194	4.292	ug/l #	54
31) Cyclohexane	5.65	56	3717	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14421	5.084	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18210	6.320	ug/l #	18
51) 4-Methyl-2-Pentanone	8.72	43	1671	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	57064	23.536	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	57064	67.449	ug/l #	8

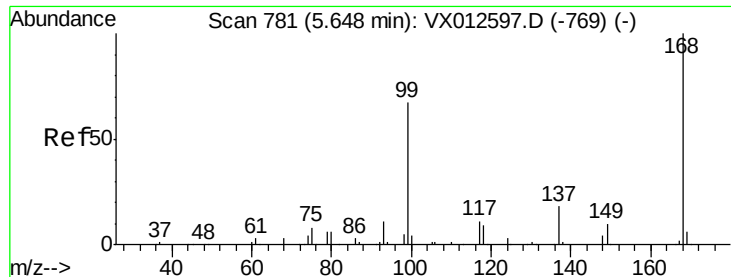
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012797.D

Acq: 03 Oct 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

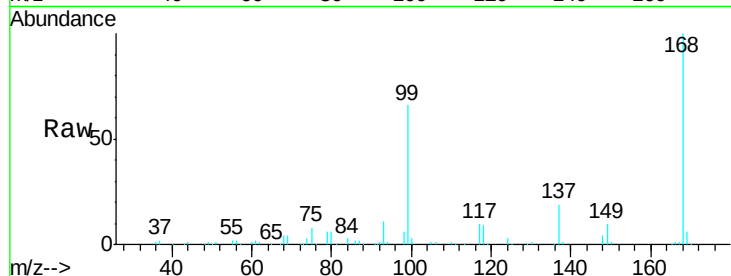
SA-PZ180I-20191001

Tgt Ion:168 Resp: 169274

Ion Ratio Lower Upper

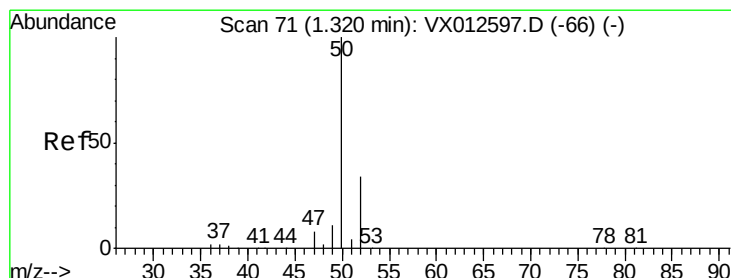
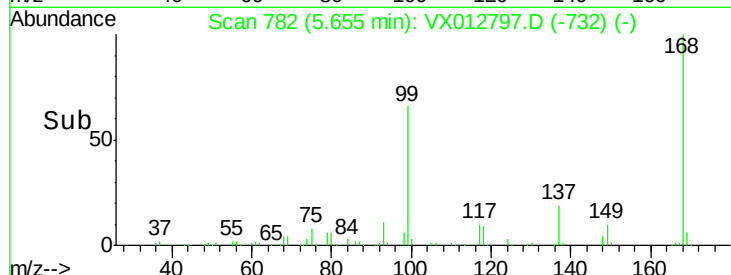
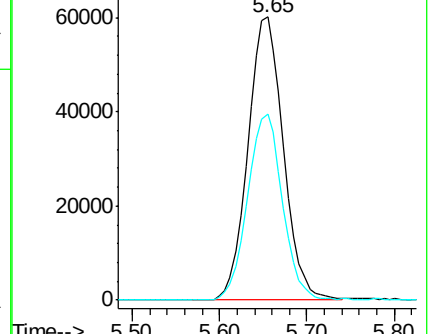
168 100

99 65.9 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: 0.708 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012797.D

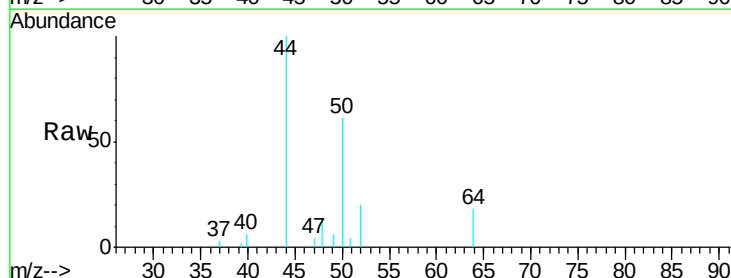
Acq: 03 Oct 2019 20:30

Tgt Ion: 50 Resp: 1549

Ion Ratio Lower Upper

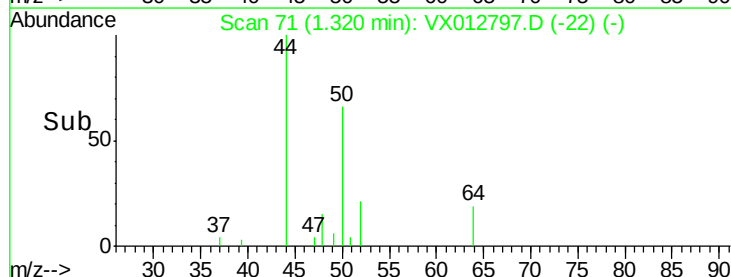
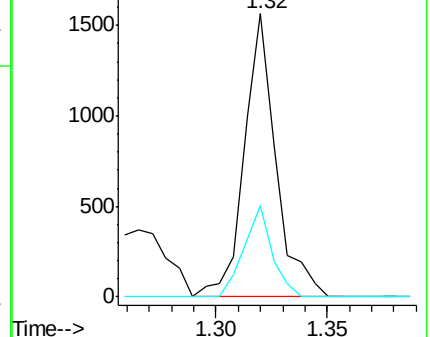
50 100

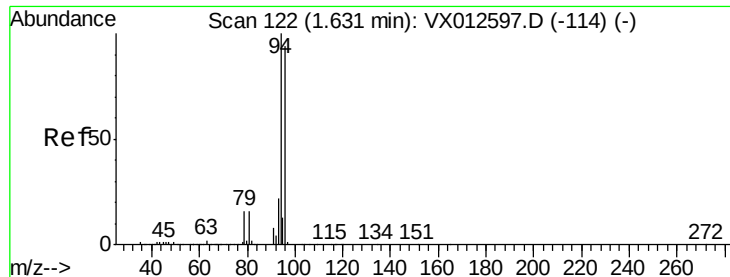
52 32.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.427 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

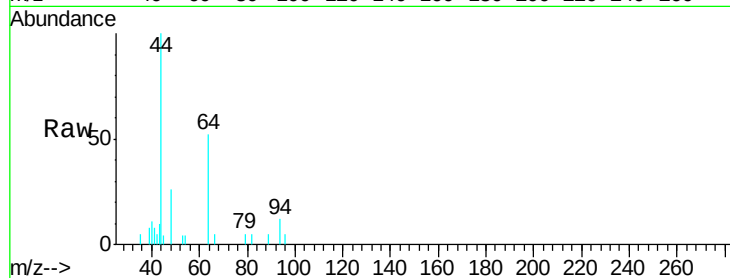
SA-PZ180I-20191001

Tgt Ion: 94 Resp: 365

Ion Ratio Lower Upper

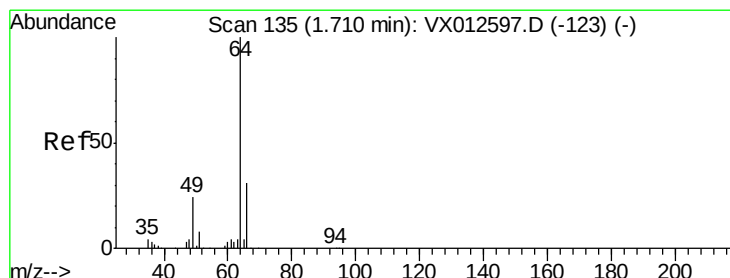
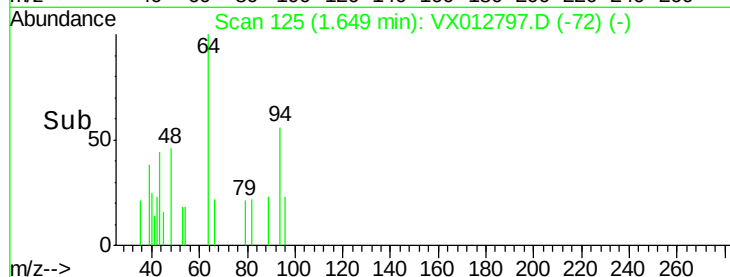
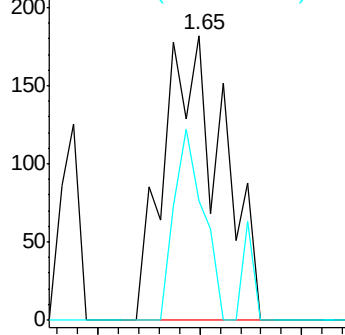
94 100

96 41.8 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.368 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX012797.D

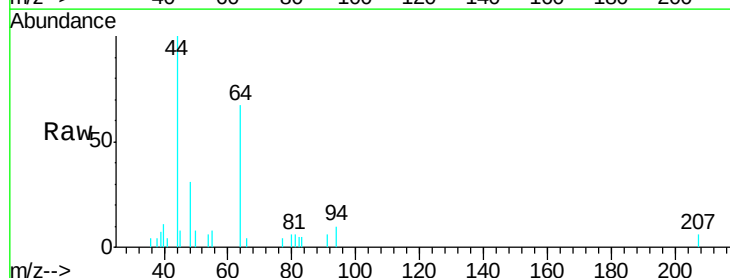
Acq: 03 Oct 2019 20:30

Tgt Ion: 64 Resp: 539

Ion Ratio Lower Upper

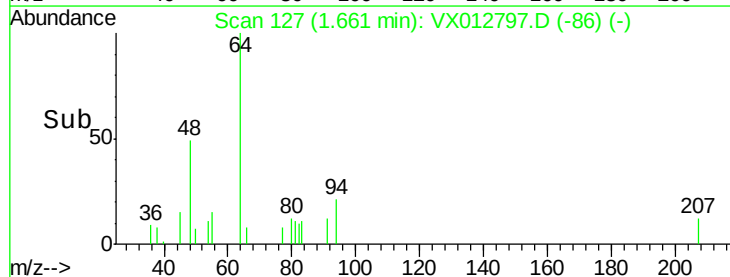
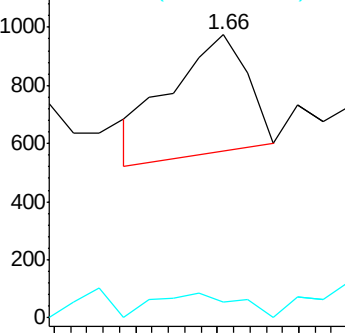
64 100

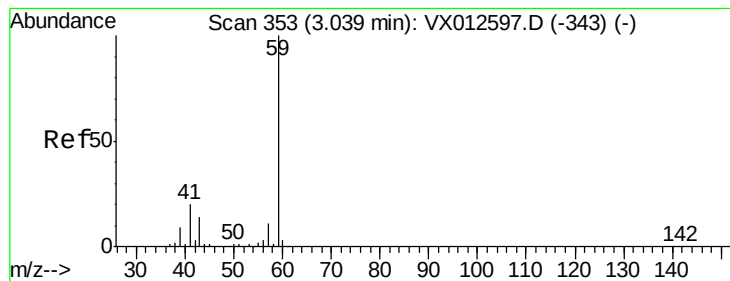
66 15.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#11

Tert butyl alcohol

Concen: 1.931 ug/l

RT: 3.04 min Scan# 353

Delta R.T. 0.00 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

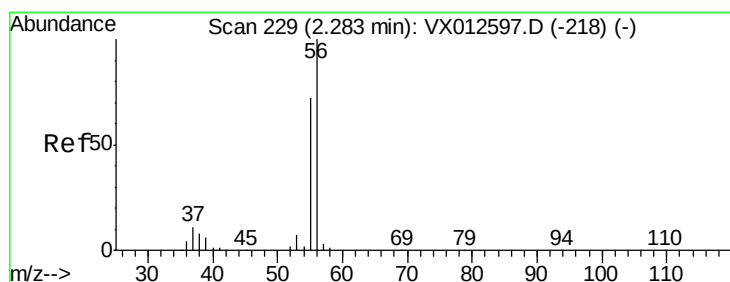
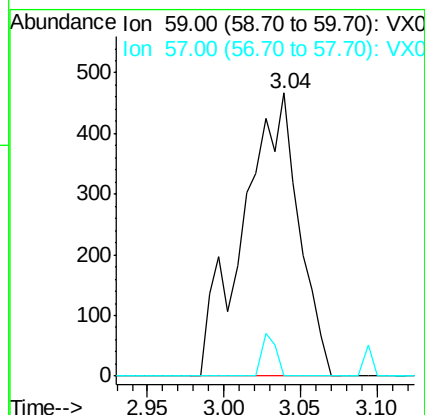
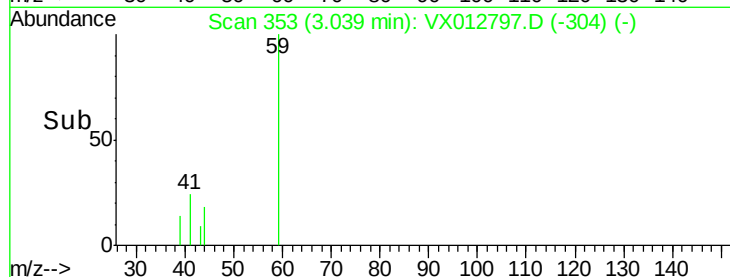
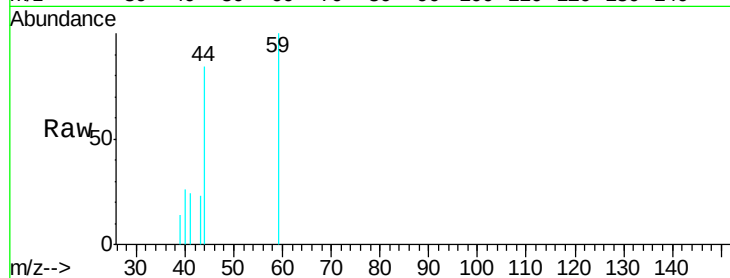
SA-PZ180I-20191001

Tgt Ion: 59 Resp: 1189

Ion Ratio Lower Upper

59 100

57 3.8 8.3 12.5#



#13

Acrolein

Concen: 10.289 ug/l

RT: 2.22 min Scan# 218

Delta R.T. -0.07 min

Lab File: VX012797.D

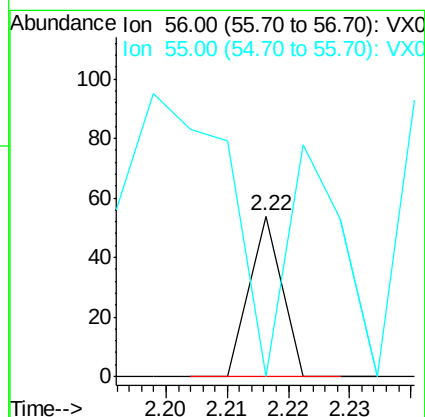
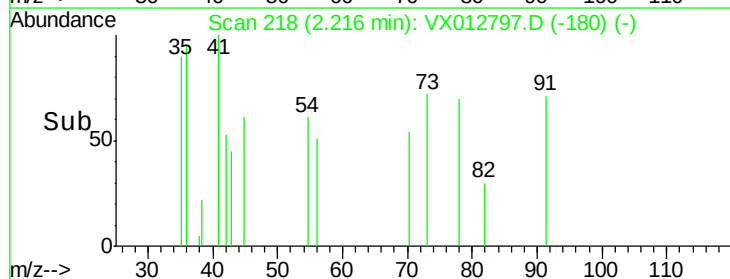
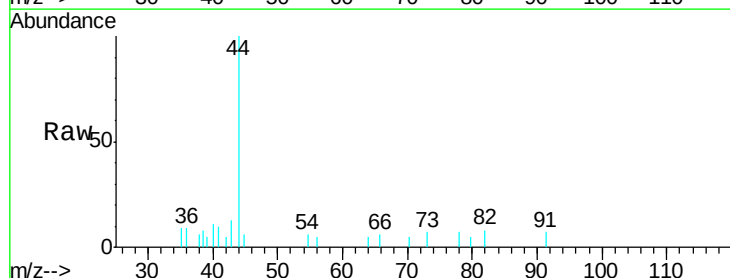
Acq: 03 Oct 2019 20:30

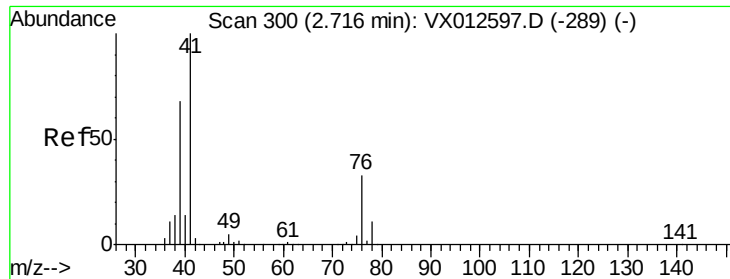
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 240.0 55.8 83.8#

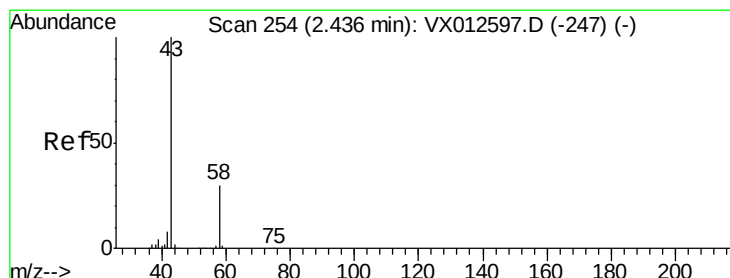
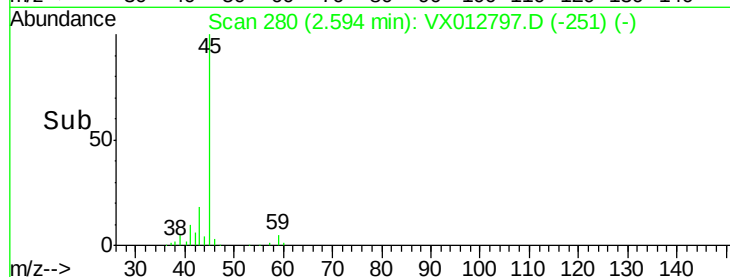
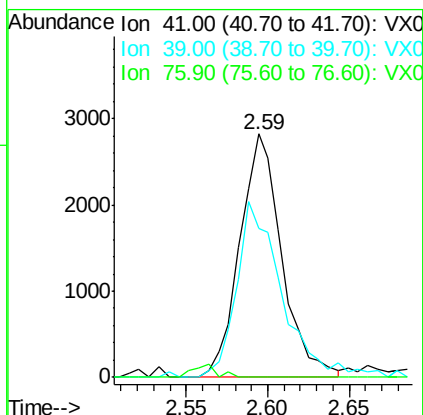
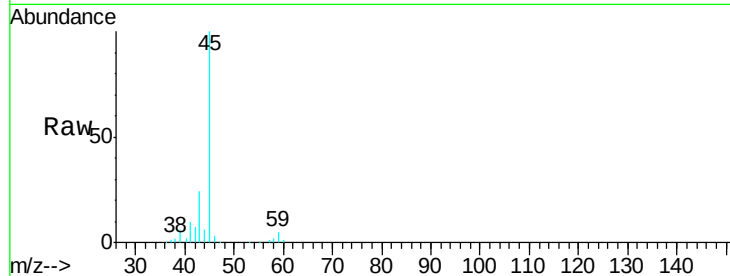




#14
 Allyl chloride
 Concen: 1.400 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

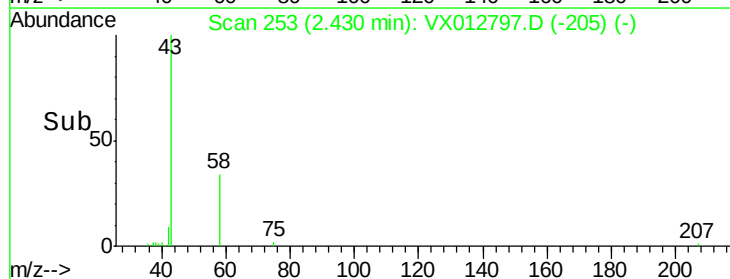
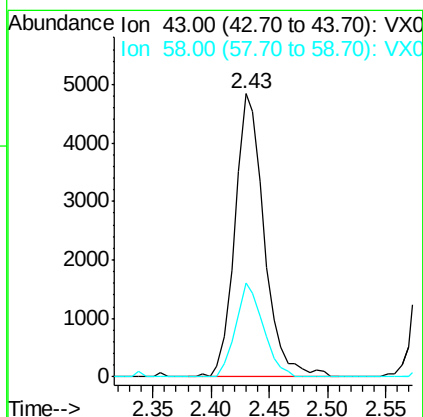
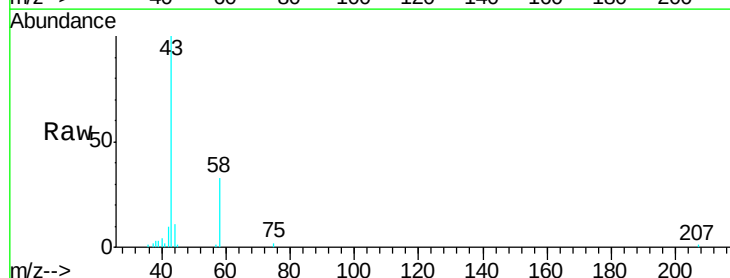
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ180I-20191001

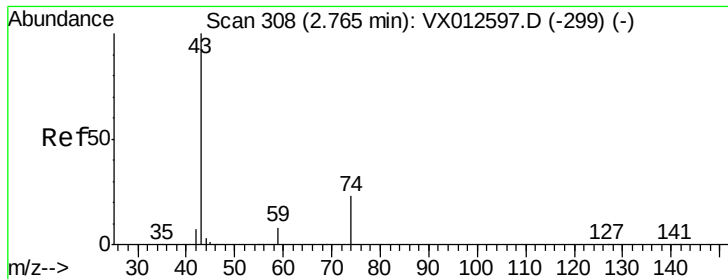
Tgt Ion: 41 Resp: 5054
 Ion Ratio Lower Upper
 41 100
 39 78.0 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 6.493 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

Tgt Ion: 43 Resp: 8478
 Ion Ratio Lower Upper
 43 100
 58 33.1 23.3 34.9

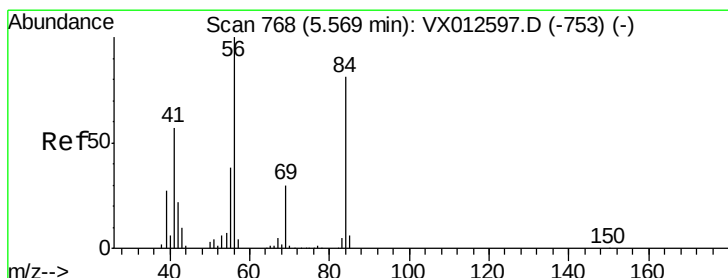
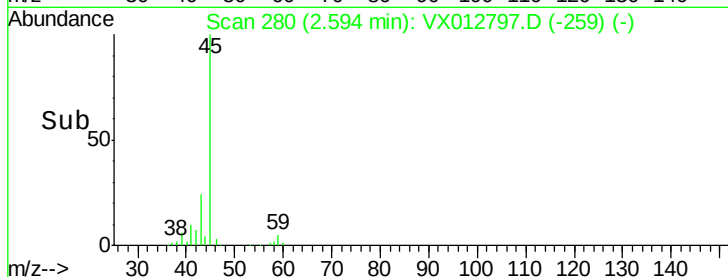
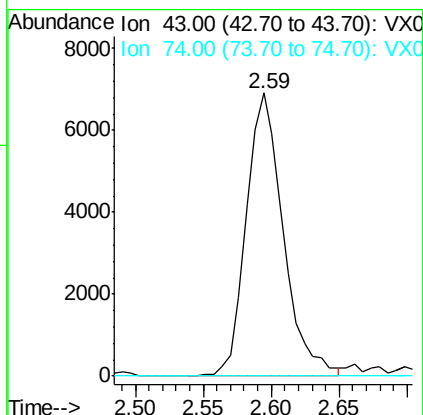
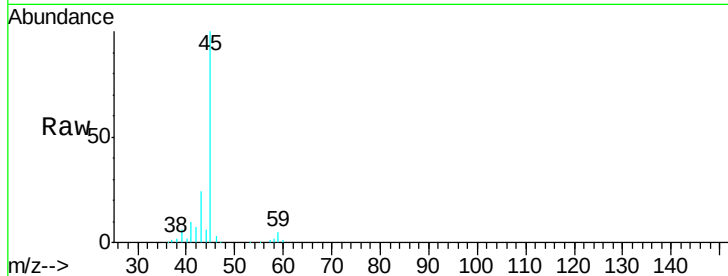




#18
Methyl Acetate
Concen: 4.292 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

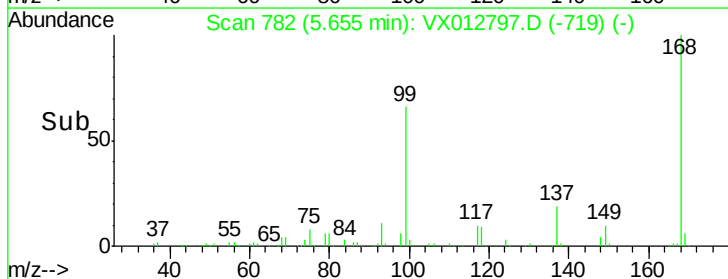
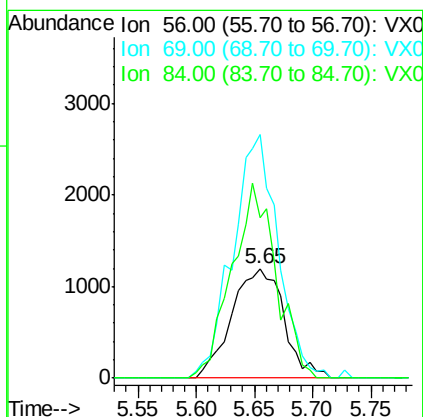
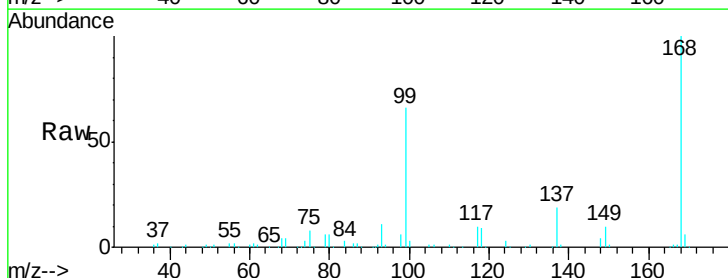
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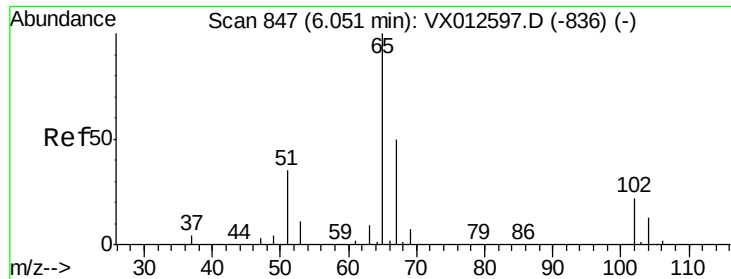
Tgt Ion: 43 Resp: 13194
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

Tgt Ion: 56 Resp: 3717
Ion Ratio Lower Upper
56 100
69 222.6 25.0 37.6#
84 146.6 66.4 99.6#

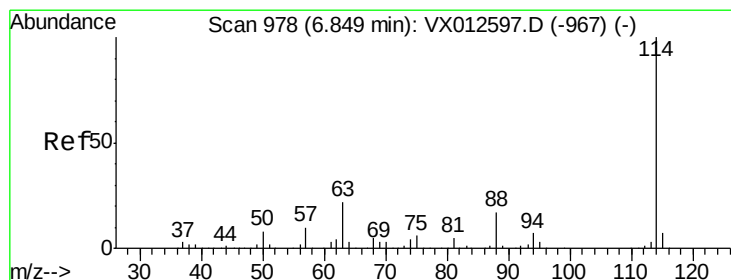
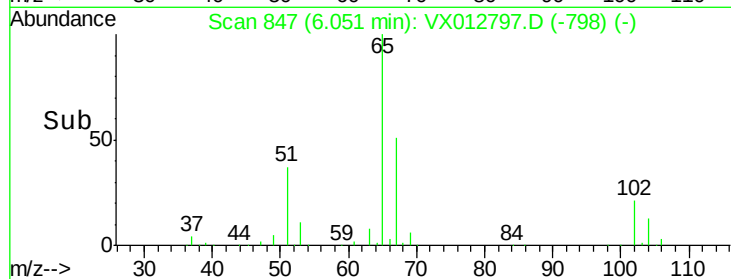
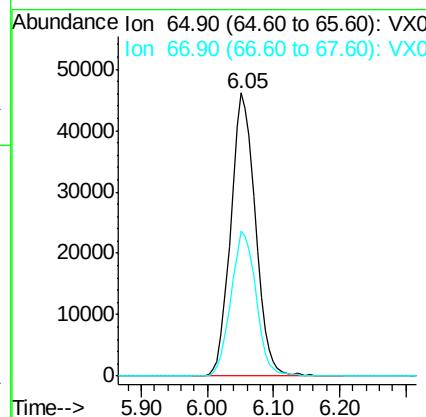
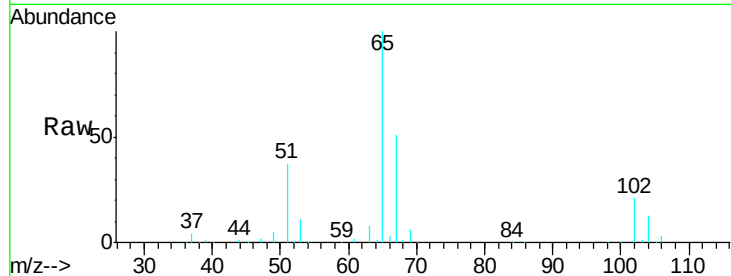




#33
 1,2-Dichloroethane-d4
 Concen: 48.481 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

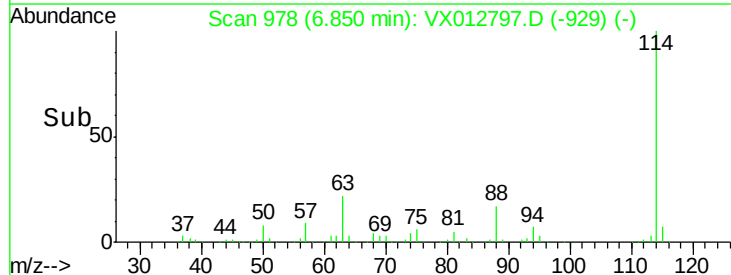
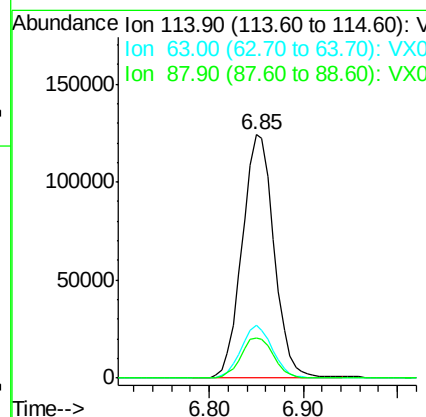
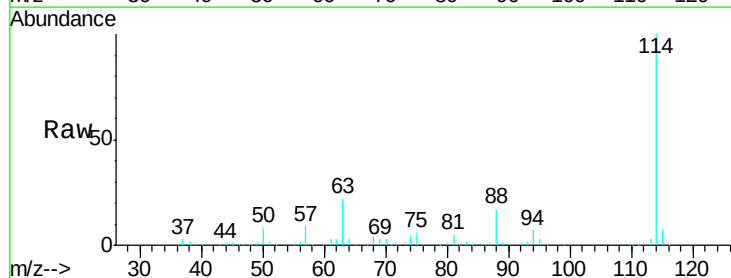
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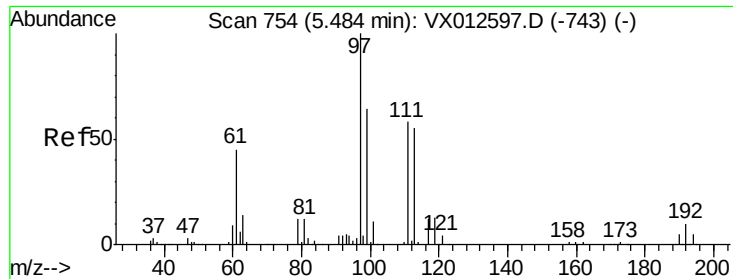
Tgt Ion: 65 Resp: 119504
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

Tgt Ion: 114 Resp: 294259
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.477 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ180I-20191001

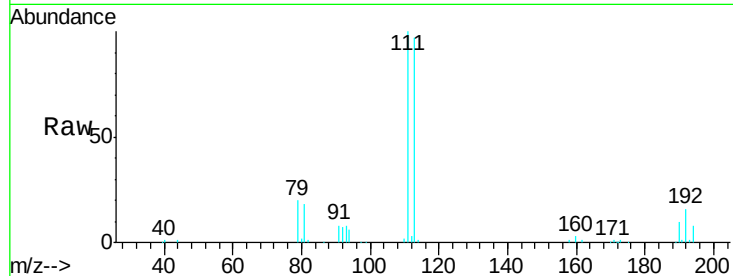
Tgt Ion:113 Resp: 88457

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

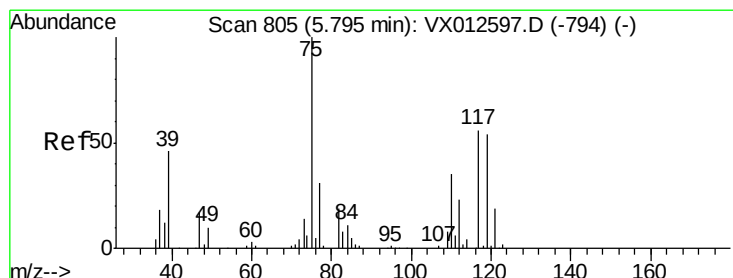
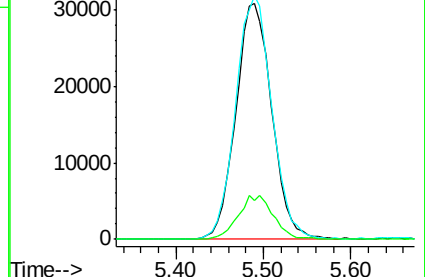
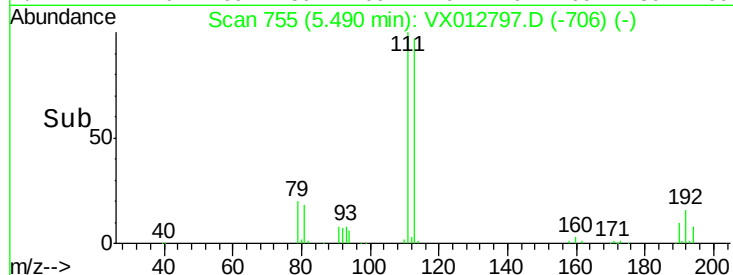
192 18.1 14.4 21.6



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: 5.084 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

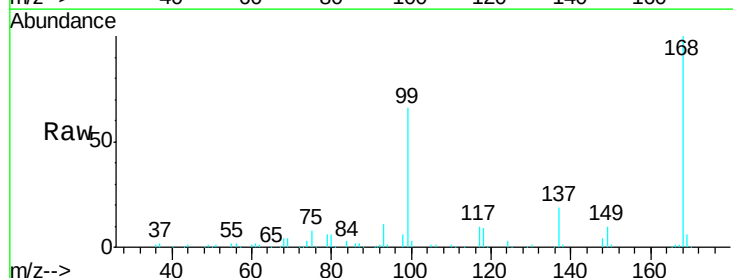
Tgt Ion: 75 Resp: 14421

Ion Ratio Lower Upper

75 100

110 9.7 16.7 50.0#

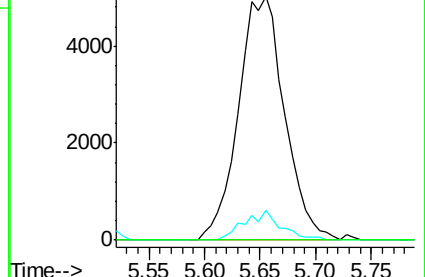
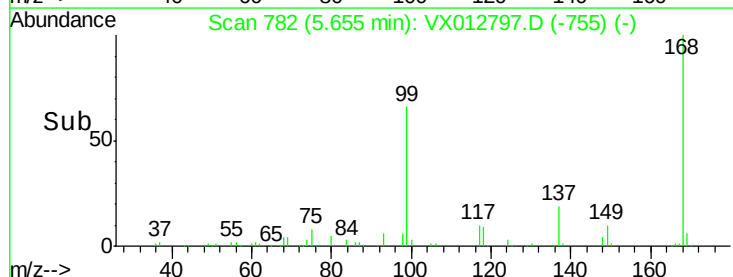
77 0.0 24.2 36.2#

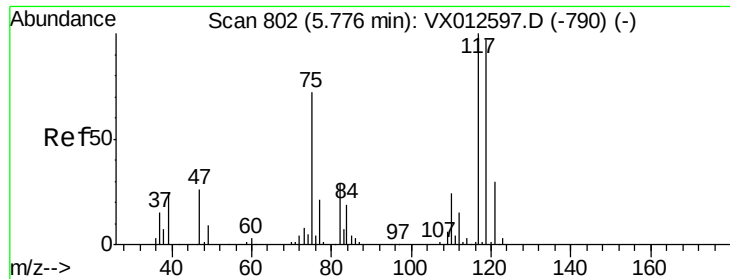


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

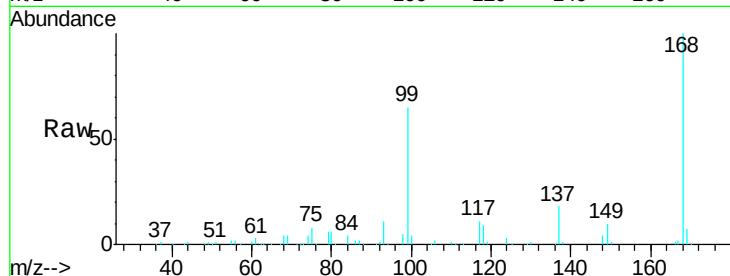




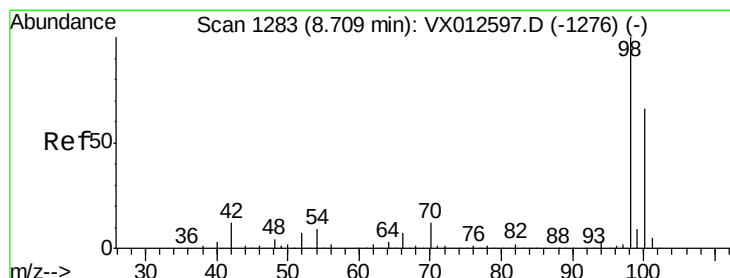
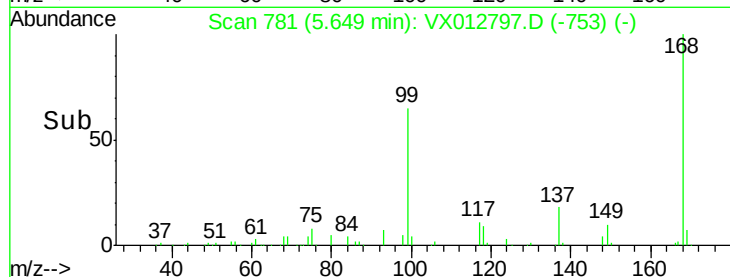
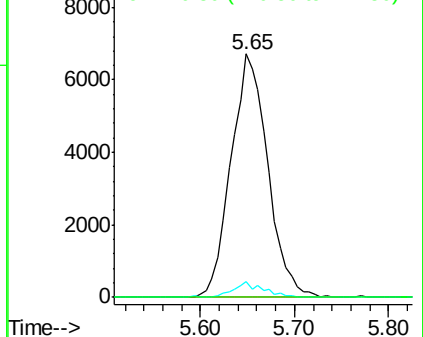
#38
Carbon Tetrachloride
Concen: 6.320 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ180I-20191001

Tgt Ion: 117 Resp: 18210
Ion Ratio Lower Upper
117 100
119 6.6 75.7 113.5#
121 0.0 24.2 36.4#

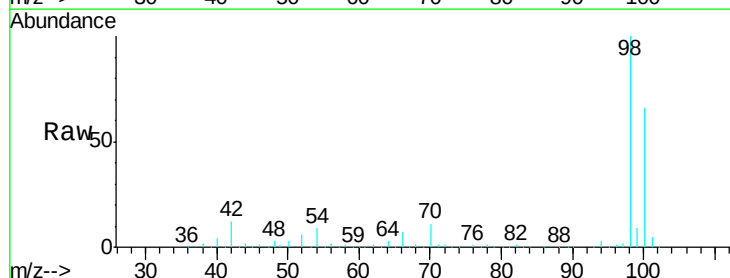


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

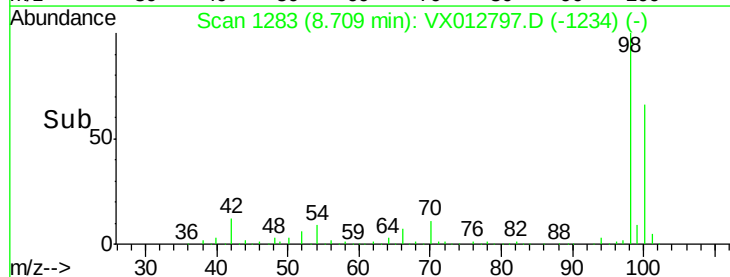
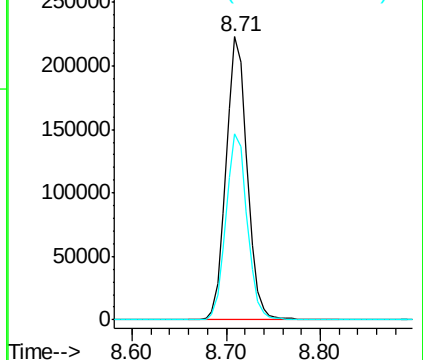


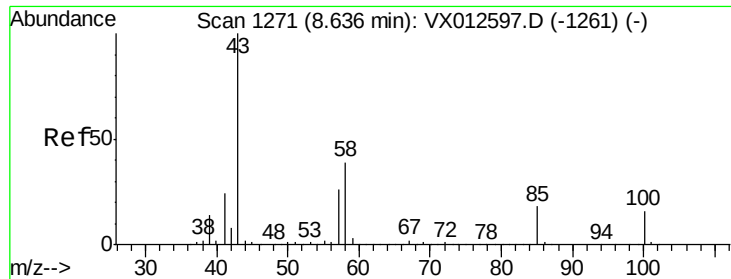
#50
Toluene-d8
Concen: 51.458 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

Tgt Ion: 98 Resp: 347275
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

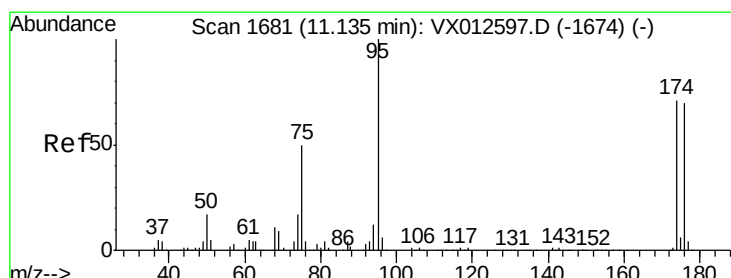
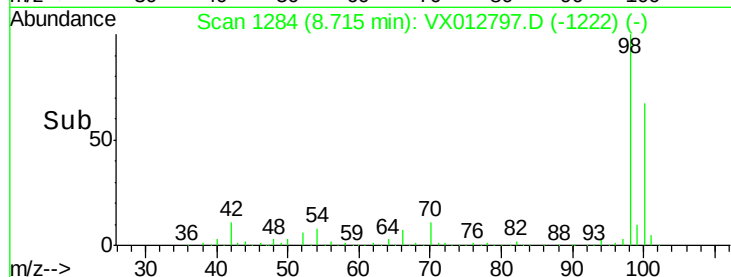
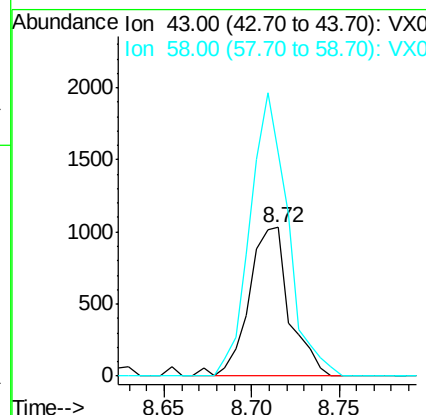
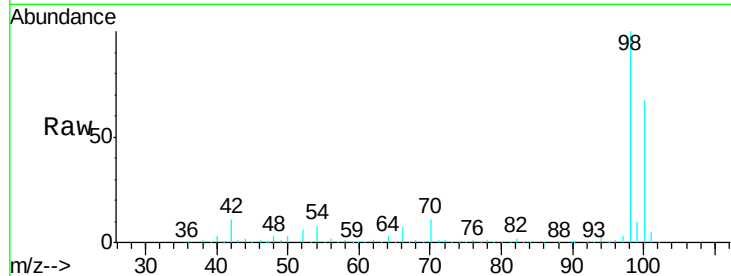




#51
4-Methyl-2-Pentanone
Concen: 0.488 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

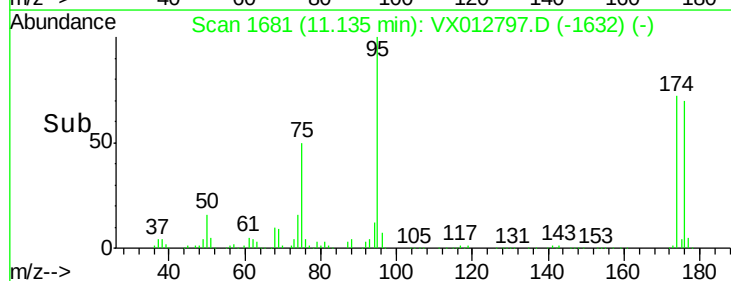
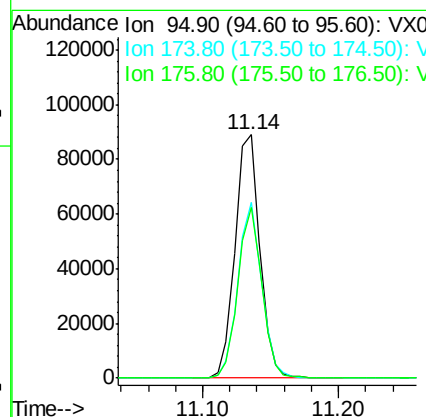
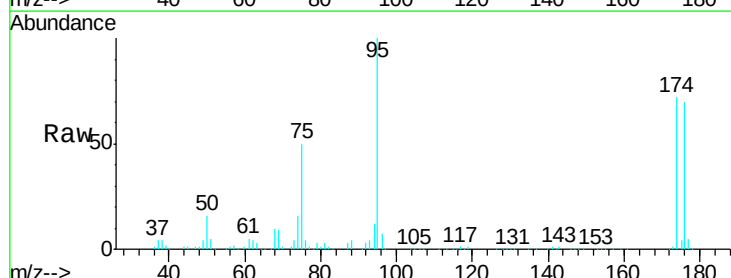
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ180I-20191001

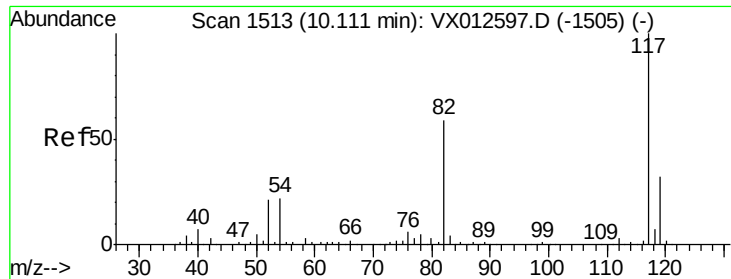
Tgt Ion: 43 Resp: 1671
Ion Ratio Lower Upper
43 100
58 177.8 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 42.827 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012797.D
Acq: 03 Oct 2019 20:30

Tgt Ion: 95 Resp: 113648
Ion Ratio Lower Upper
95 100
174 69.0 0.0 140.0
176 67.6 0.0 135.4

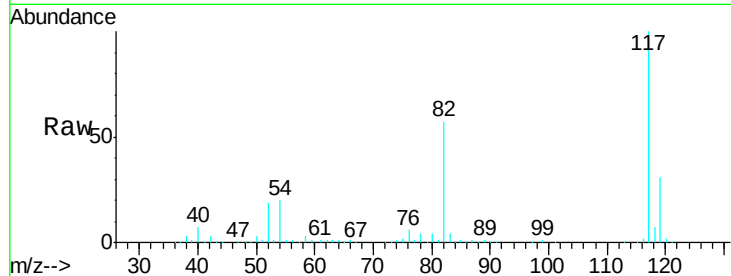




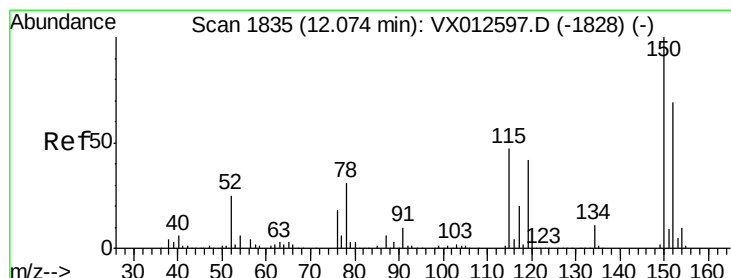
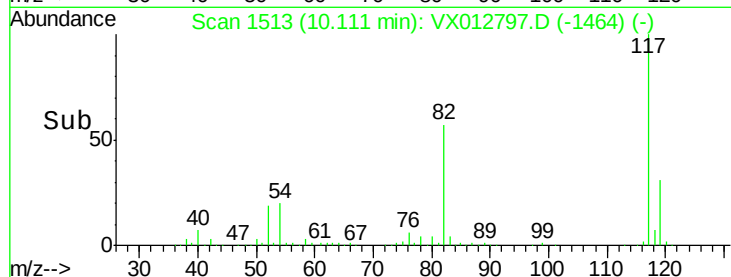
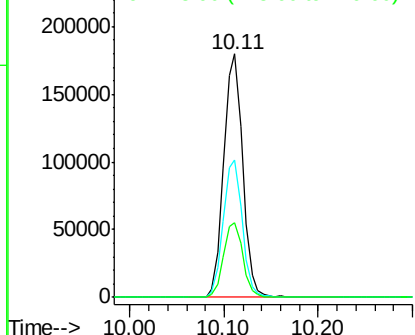
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ180I-20191001

Tgt Ion:117 Resp: 251993
 Ion Ratio Lower Upper
 117 100
 82 56.7 45.9 68.9
 119 30.9 25.3 37.9

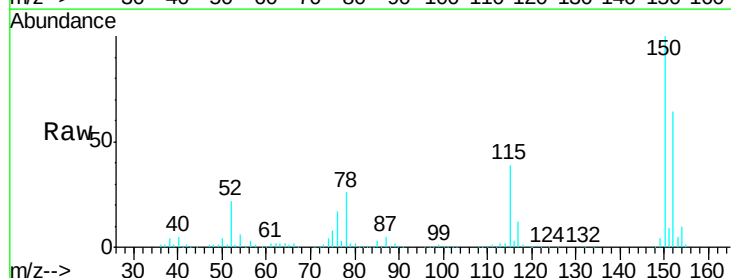


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

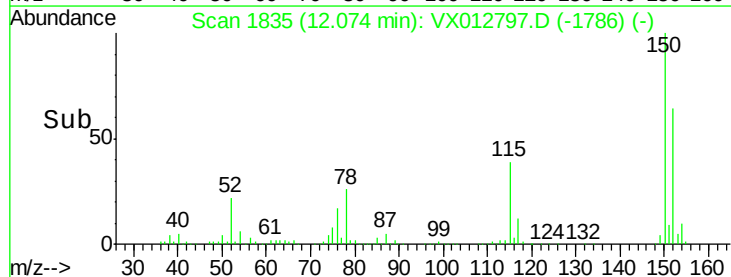
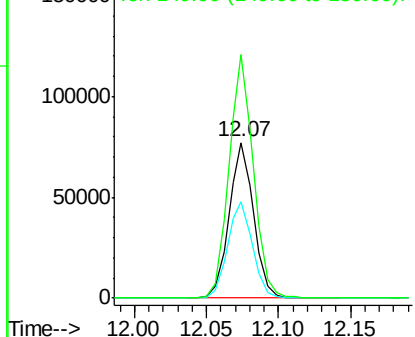


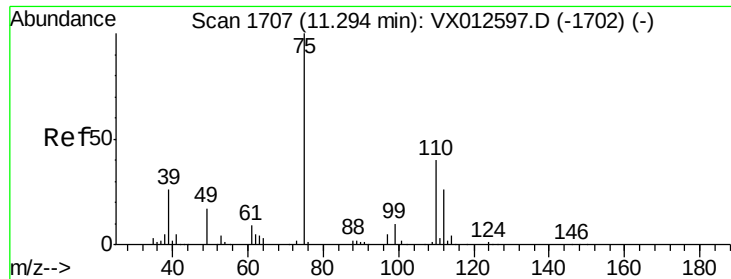
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012797.D
 Acq: 03 Oct 2019 20:30

Tgt Ion:152 Resp: 91656
 Ion Ratio Lower Upper
 152 100
 115 63.3 44.1 132.3
 150 156.6 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: 23.536 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

Instrument :

MSVOA_X

ClientSampleId :

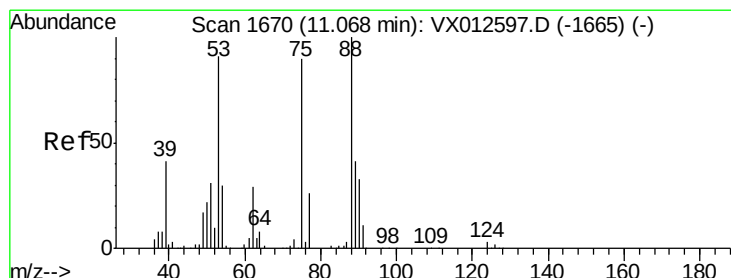
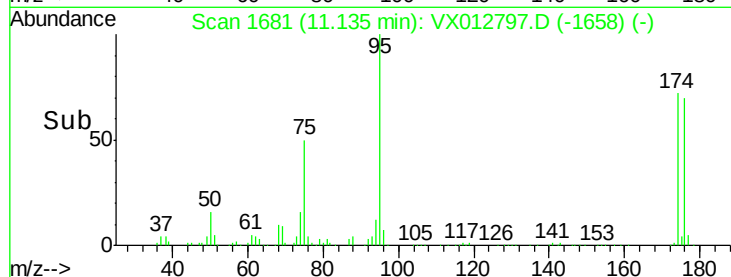
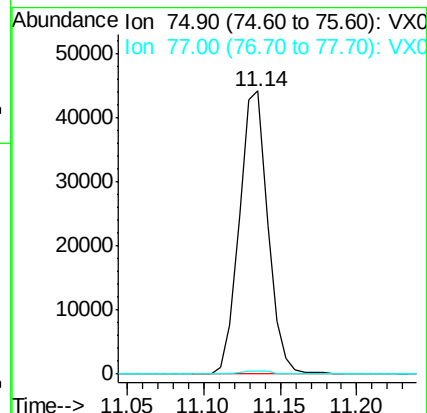
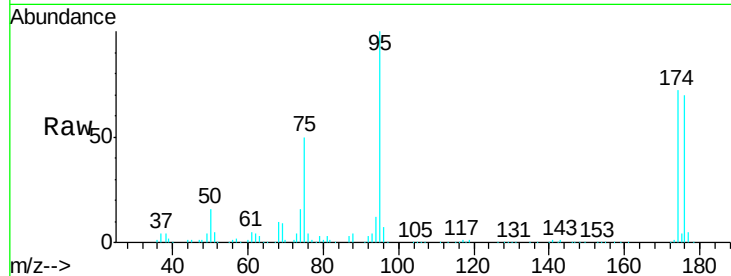
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Tgt Ion: 75 Resp: 57064

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.449 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012797.D

Acq: 03 Oct 2019 20:30

Tgt Ion: 75 Resp: 57064

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

