

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012795.D
 Acq On : 03 Oct 2019 19:43
 Operator : JC/SP
 Sample : K5189-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ149I-20191001

Quant Time: Oct 04 06:52:03 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	166458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	91197	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	116454	48.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.08%		
35) Dibromofluoromethane	5.49	113	87899	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.66%		
50) Toluene-d8	8.71	98	340235	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.18%		
62) 4-Bromofluorobenzene	11.14	95	111852	42.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.42%		

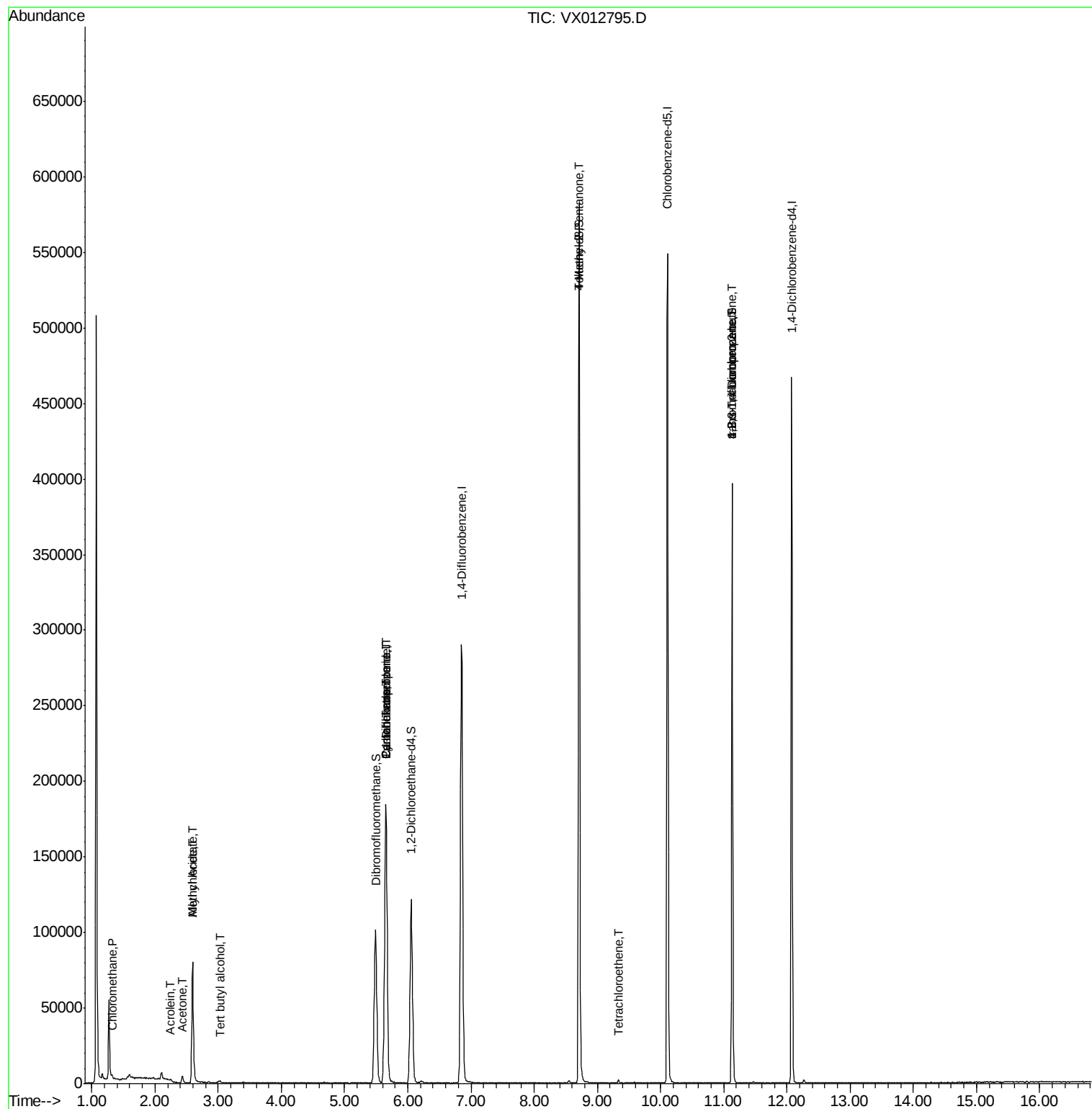
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	970	0.451	ug/l #	66
11) Tert butyl alcohol	3.02	59	1226	2.025	ug/l #	78
13) Acrolein	2.25	56	71	10.435	ug/l #	1
14) Allyl chloride	2.59	41	7745	2.181	ug/l #	62
16) Acetone	2.44	43	4850	3.777	ug/l	99
18) Methyl Acetate	2.59	43	22233	7.354	ug/l #	54
31) Cyclohexane	5.65	56	3837	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13485	4.818	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18051	6.349	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1707	0.505	ug/l #	1
64) Tetrachloroethene	9.34	164	419	0.244	ug/l #	83
76) 1,2,3-Trichloropropane	11.14	75	57377	23.784	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	57377	68.161	ug/l #	8

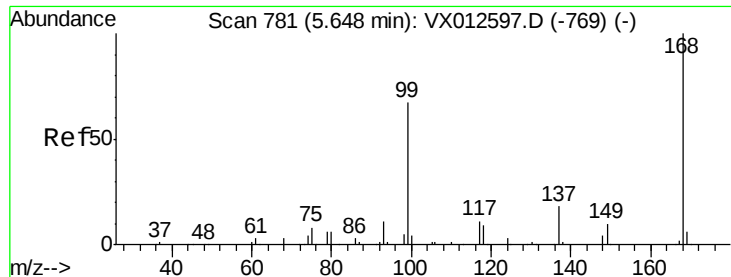
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012795.D

Acq: 03 Oct 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

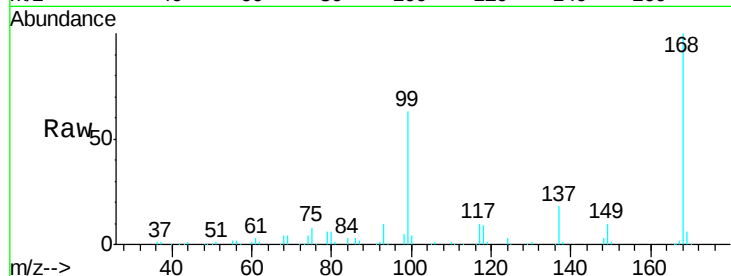
SA-PZ149I-20191001

Tgt Ion:168 Resp: 166458

Ion Ratio Lower Upper

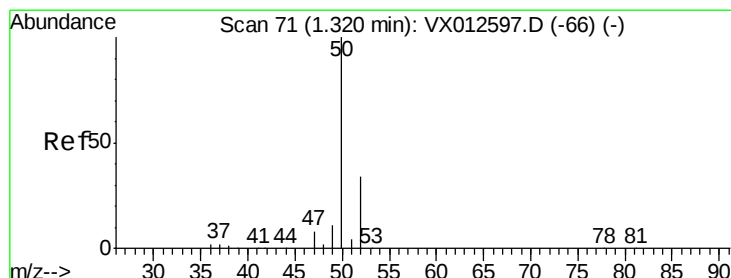
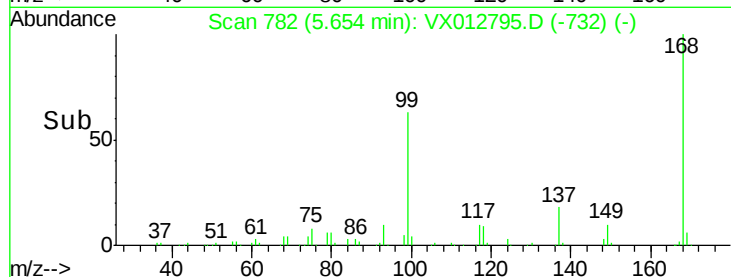
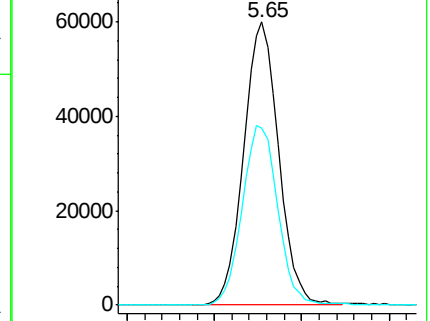
168 100

99 62.7 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: 0.451 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012795.D

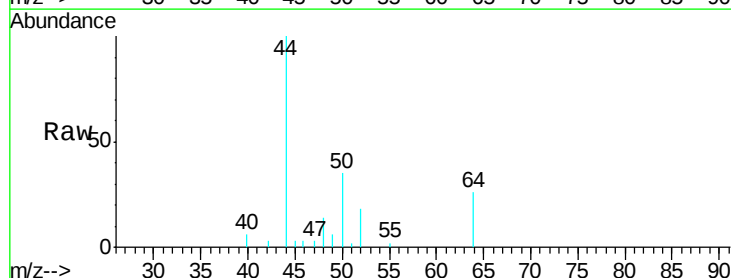
Acq: 03 Oct 2019 19:43

Tgt Ion: 50 Resp: 970

Ion Ratio Lower Upper

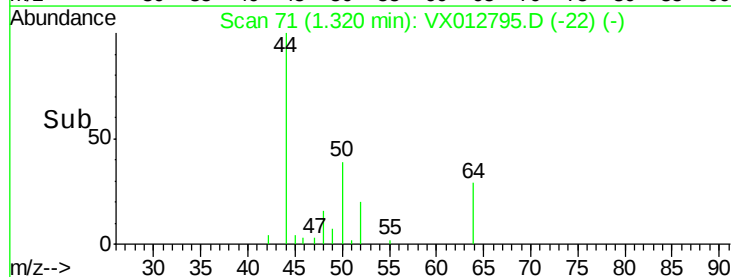
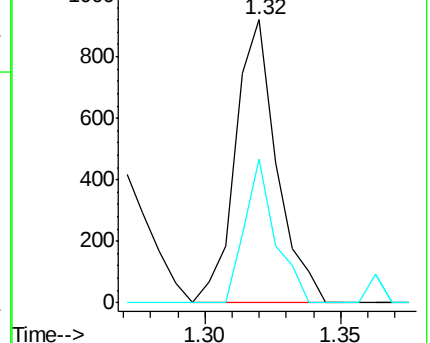
50 100

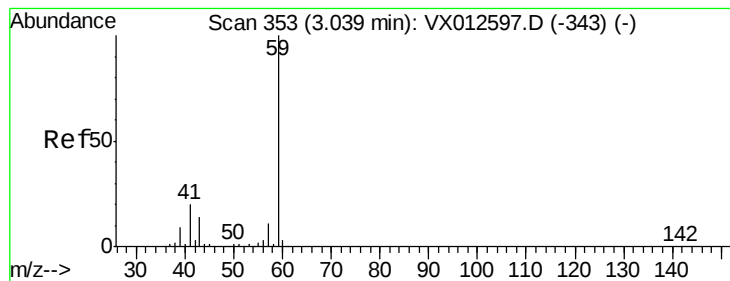
52 50.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



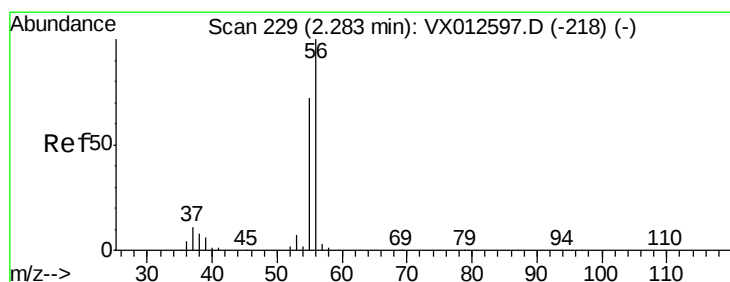
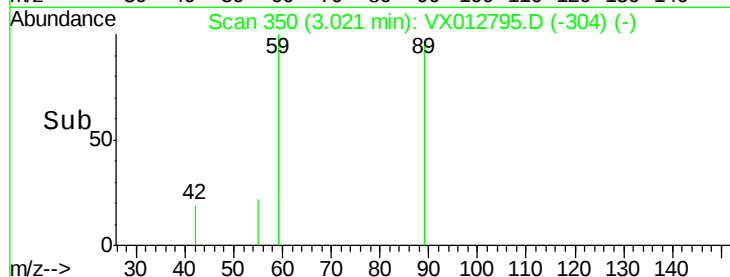
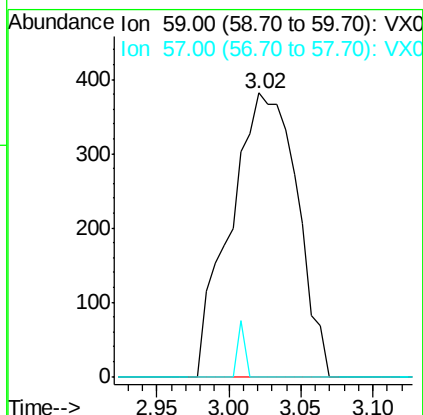
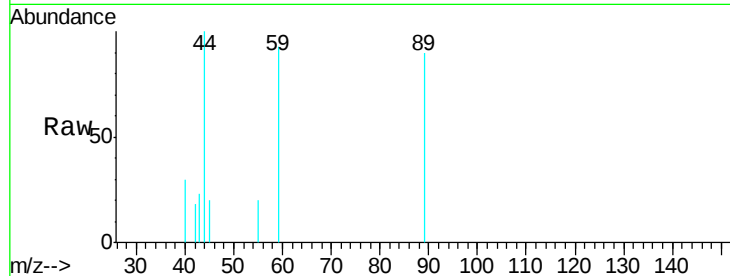


#11

Tert butyl alcohol
 Concen: 2.025 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012795.D
 Acq: 03 Oct 2019 19:43

Instrument :
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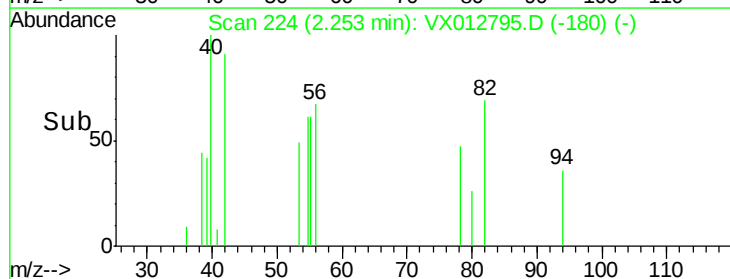
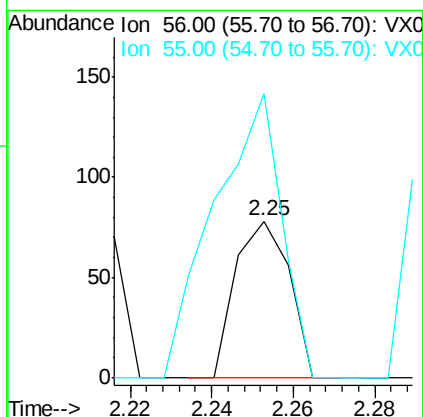
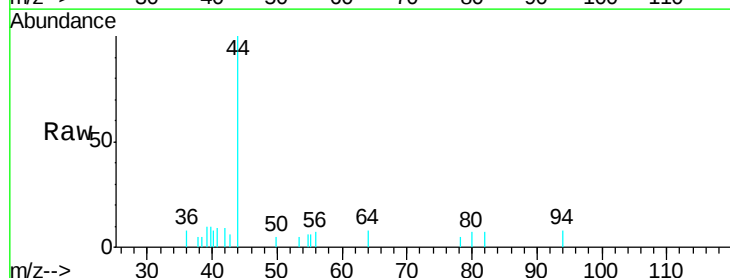
Tgt Ion: 59 Resp: 1226
 Ion Ratio Lower Upper
 59 100
 57 2.2 8.3 12.5#

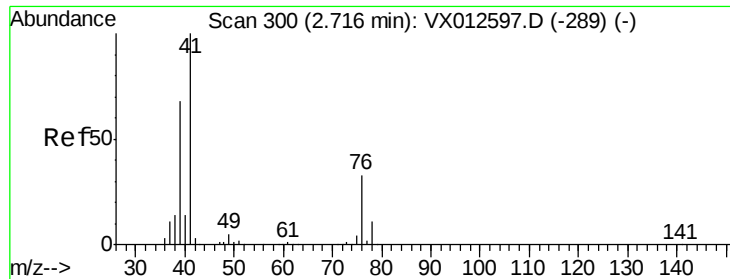


#13

Acrolein
 Concen: 10.435 ug/l
 RT: 2.25 min Scan# 224
 Delta R.T. -0.03 min
 Lab File: VX012795.D
 Acq: 03 Oct 2019 19:43

Tgt Ion: 56 Resp: 71
 Ion Ratio Lower Upper
 56 100
 55 231.0 55.8 83.8#

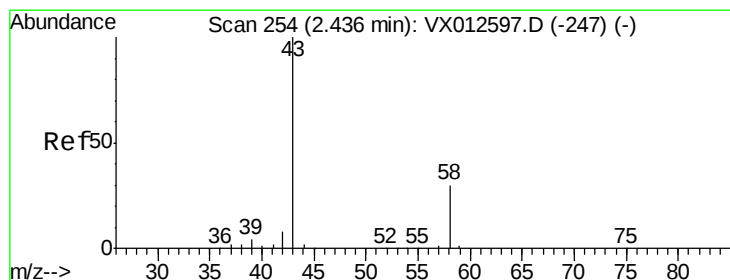
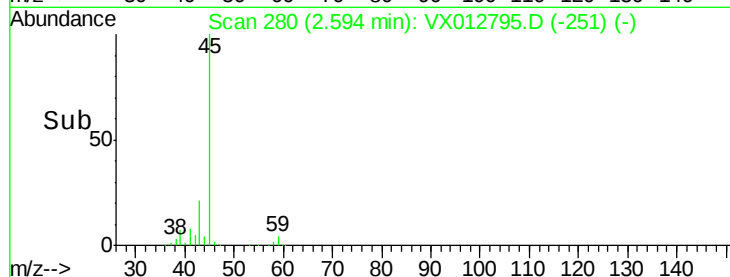
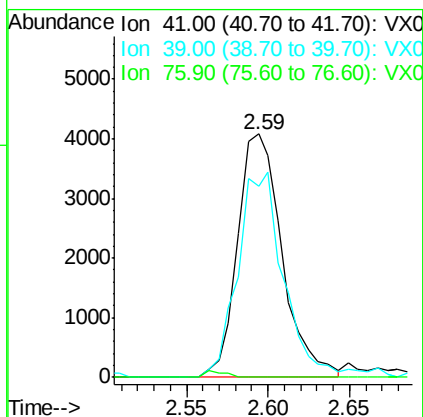
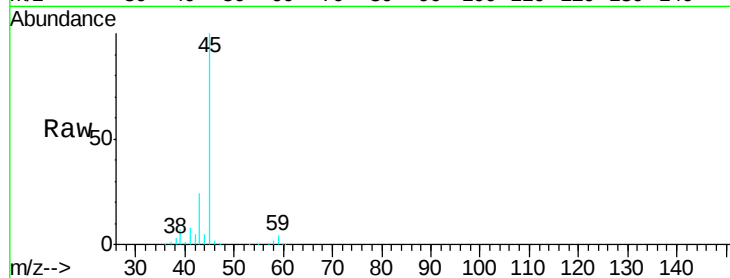




#14
 Allyl chloride
 Concen: 2.181 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012795.D
 Acq: 03 Oct 2019 19:43

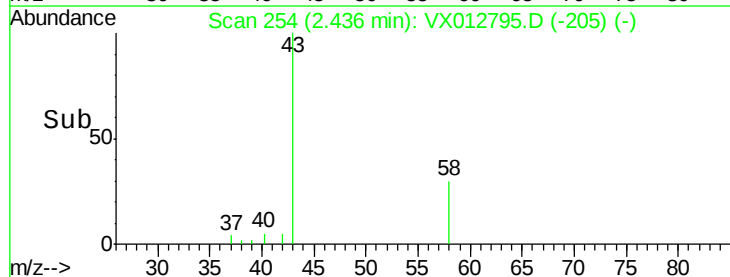
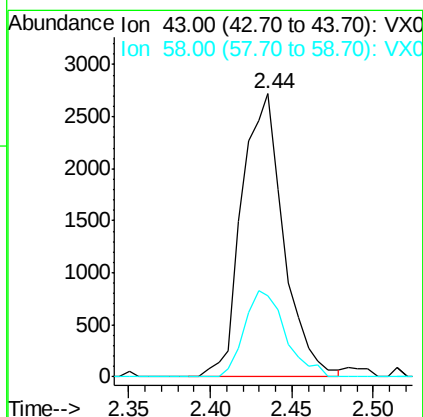
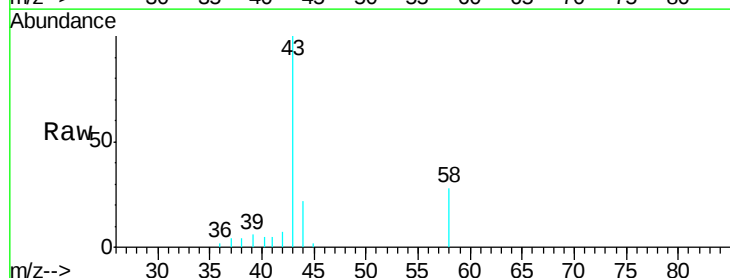
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ149I-20191001

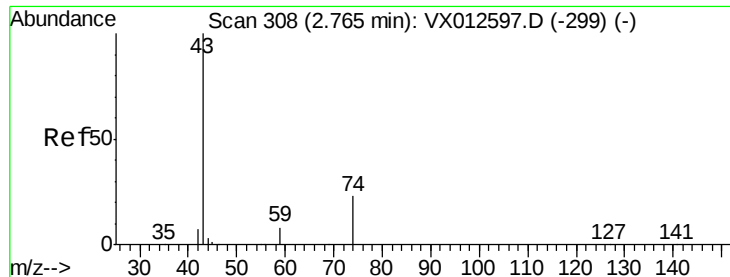
Tgt Ion: 41 Resp: 7745
 Ion Ratio Lower Upper
 41 100
 39 88.4 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 3.777 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012795.D
 Acq: 03 Oct 2019 19:43

Tgt Ion: 43 Resp: 4850
 Ion Ratio Lower Upper
 43 100
 58 28.5 23.3 34.9

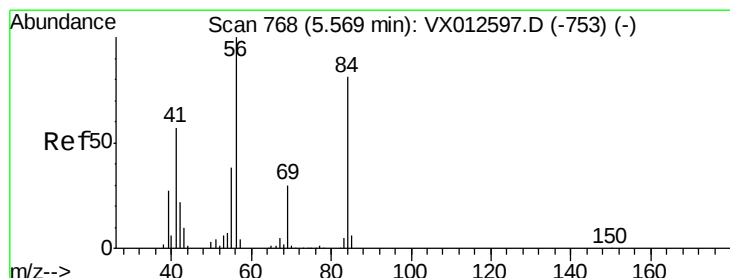
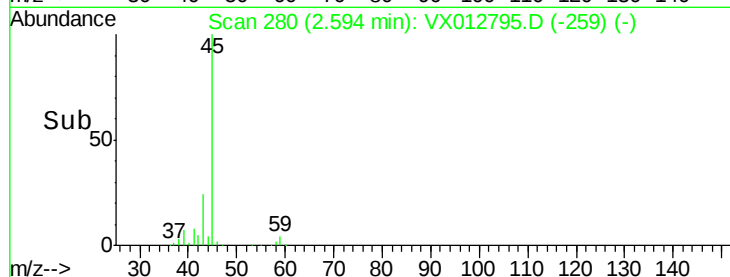
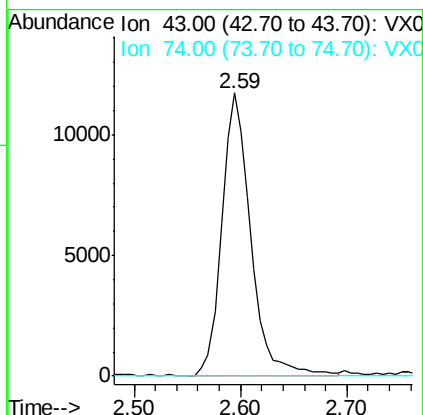
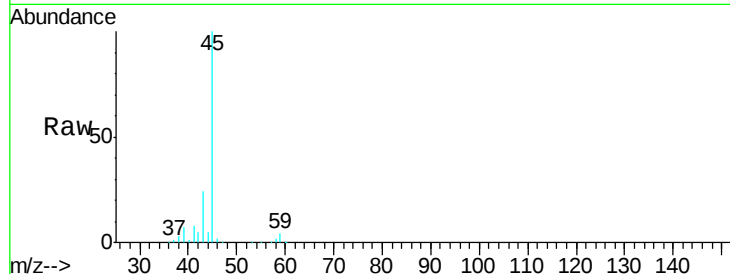




#18
Methyl Acetate
Concen: 7.354 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

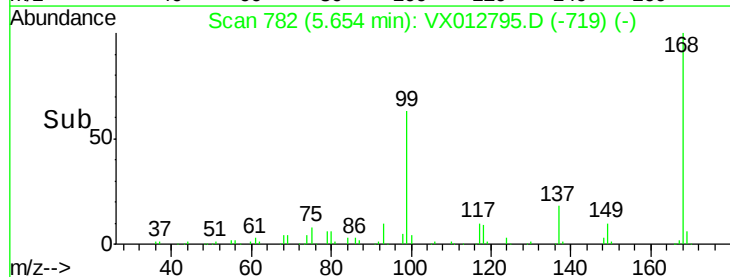
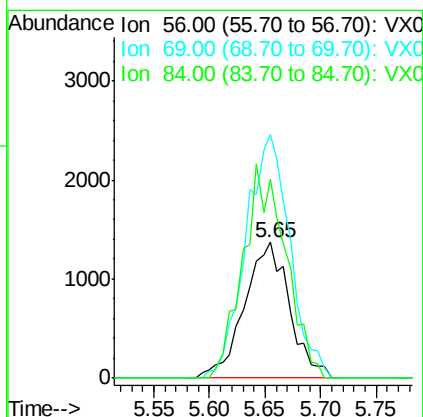
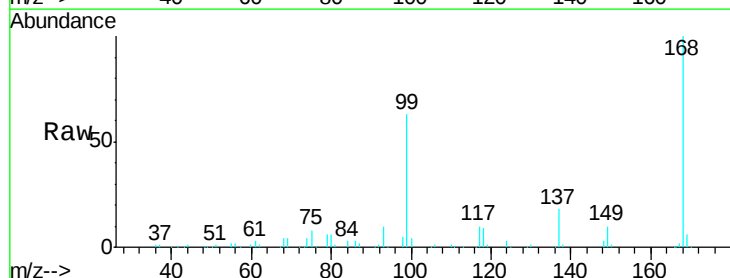
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ149I-20191001

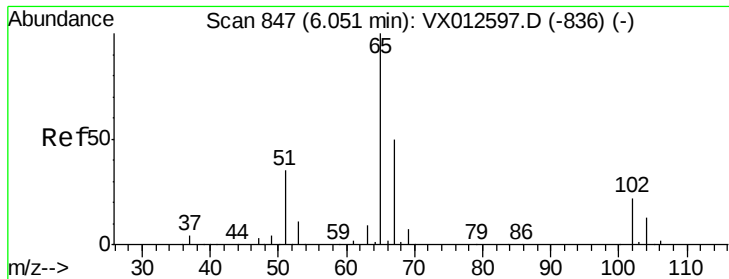
Tgt Ion: 43 Resp: 22233
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 179.5 25.0 37.6#
84 146.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 48.043 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012795.D

Acq: 03 Oct 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

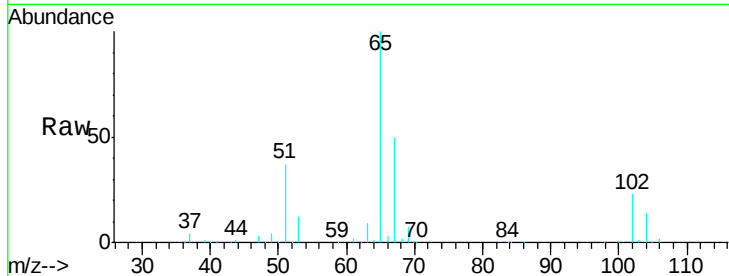
SA-PZ149I-20191001

Tgt Ion: 65 Resp: 116454

Ion Ratio Lower Upper

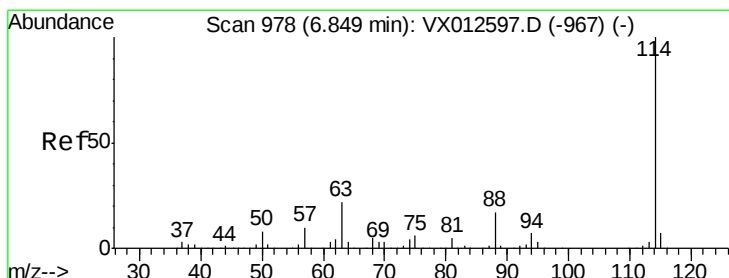
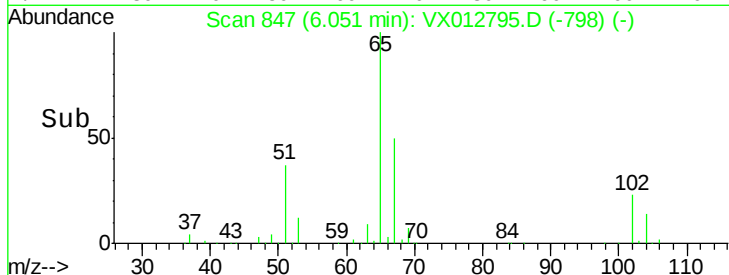
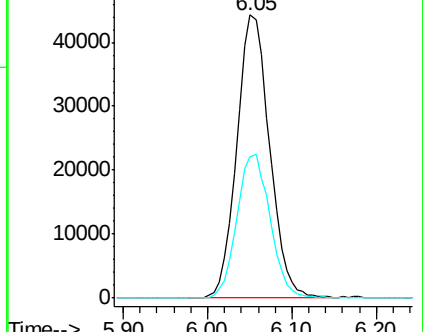
65 100

67 51.4 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: VX012795.D

Acq: 03 Oct 2019 19:43

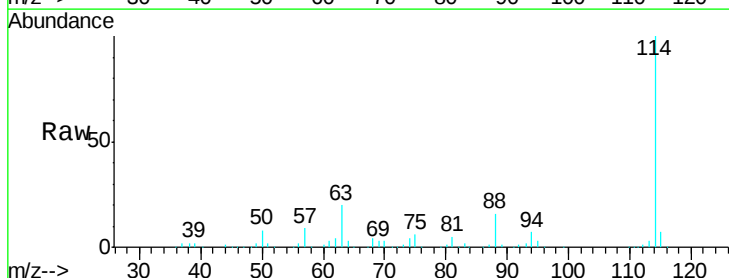
Tgt Ion: 114 Resp: 290377

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

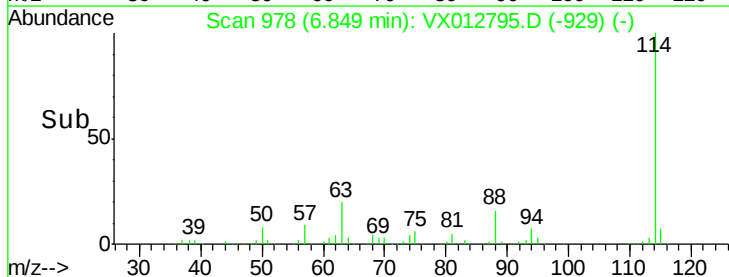
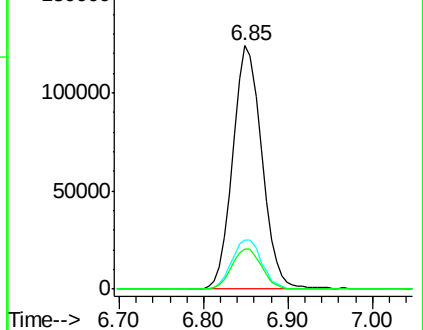
88 16.4 0.0 33.2

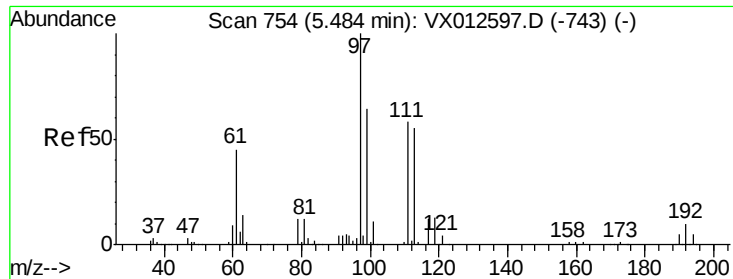


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.829 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012795.D

Acq: 03 Oct 2019 19:43

Instrument :

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SA-PZ149I-20191001

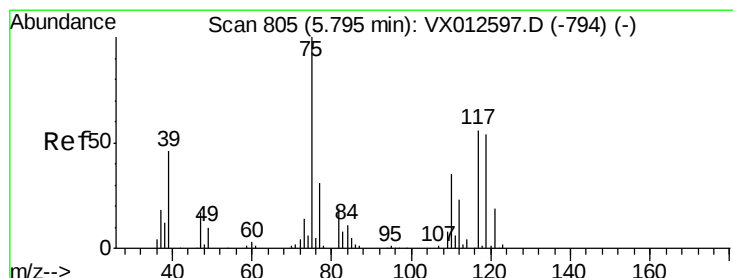
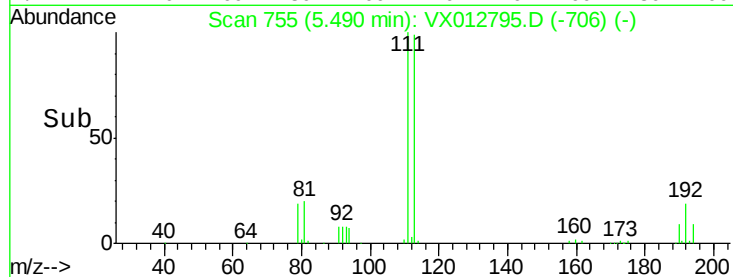
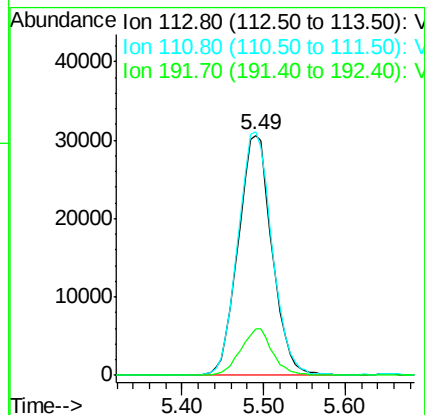
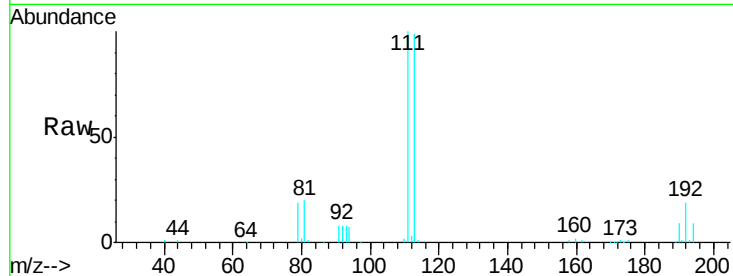
Tgt Ion:113 Resp: 87899

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 18.3 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012795.D

Acq: 03 Oct 2019 19:43

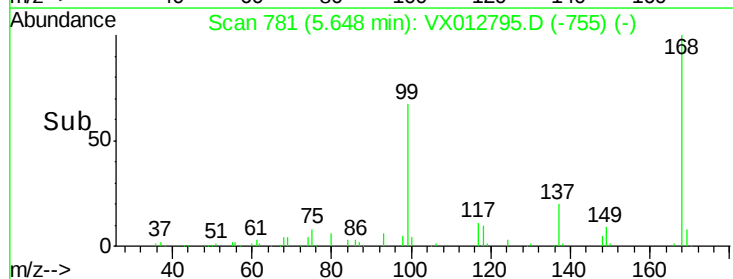
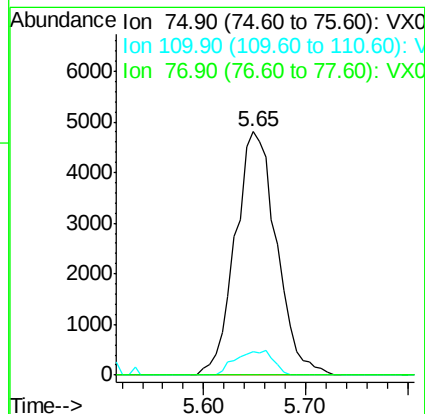
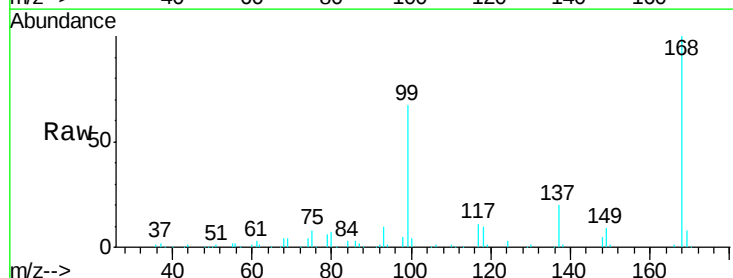
Tgt Ion: 75 Resp: 13485

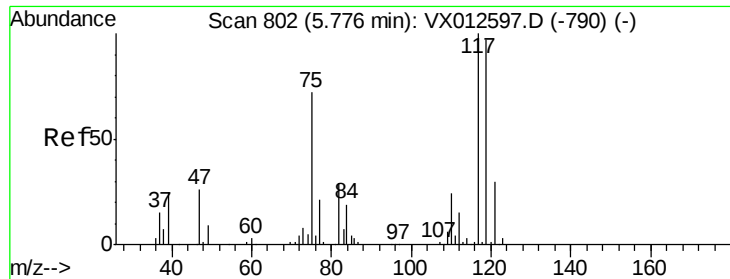
Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.0#

77 0.0 24.2 36.2#

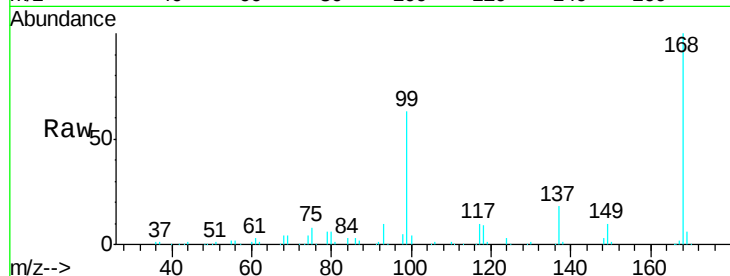




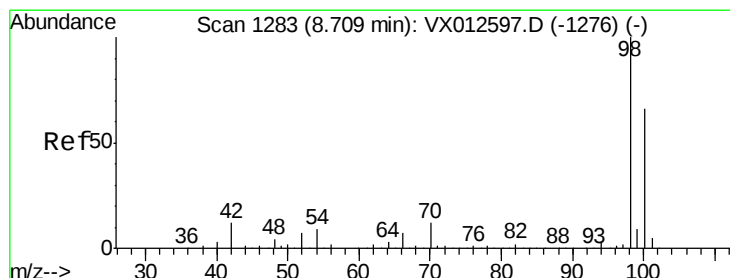
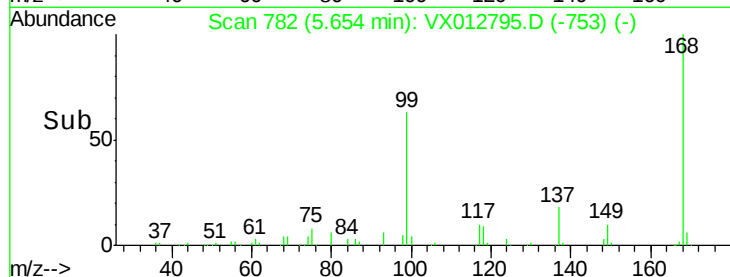
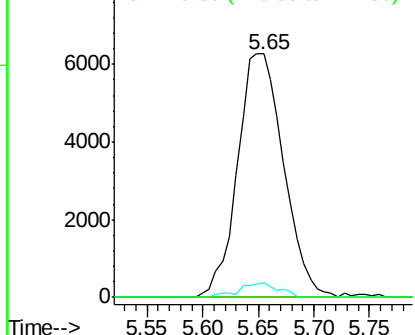
#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 117 Resp: 18051
Ion Ratio Lower Upper
117 100
119 5.8 75.7 113.5#
121 0.0 24.2 36.4#

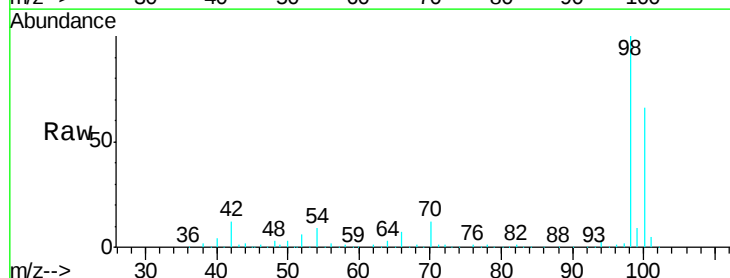


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

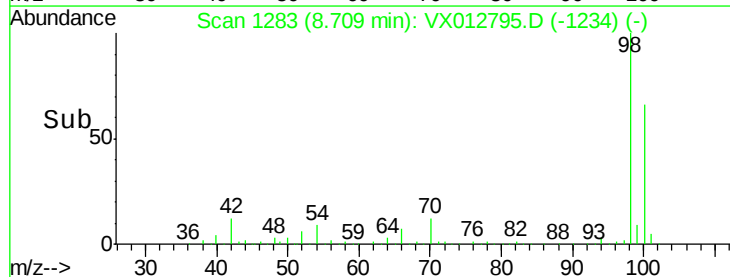
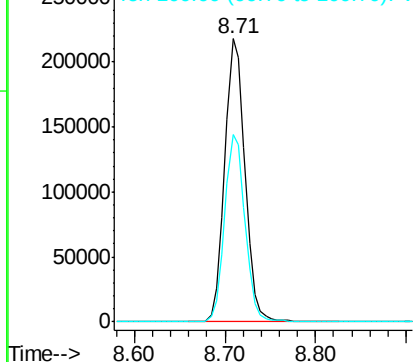


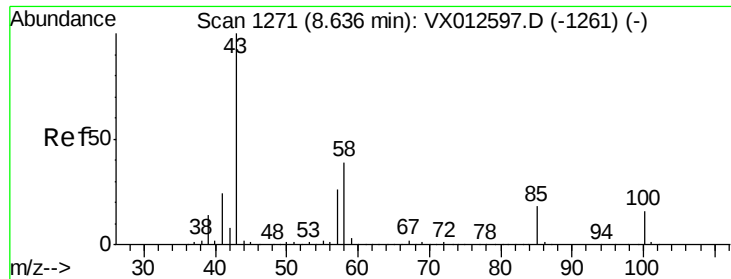
#50
Toluene-d8
Concen: 51.088 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Tgt Ion: 98 Resp: 340235
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



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

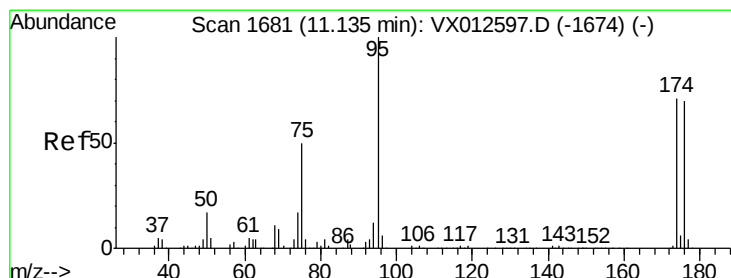
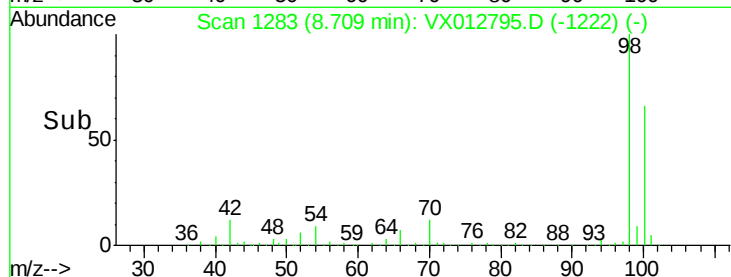
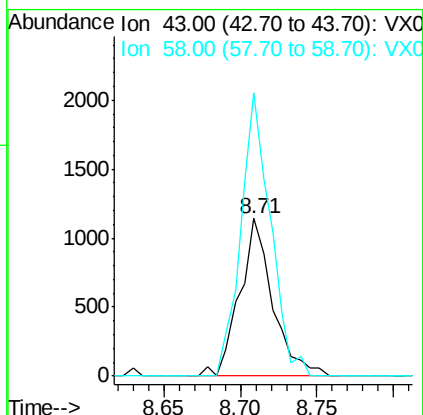
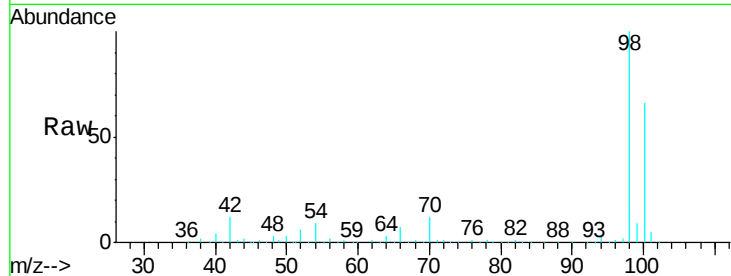




#51
4-Methyl-2-Pentanone
Concen: 0.505 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

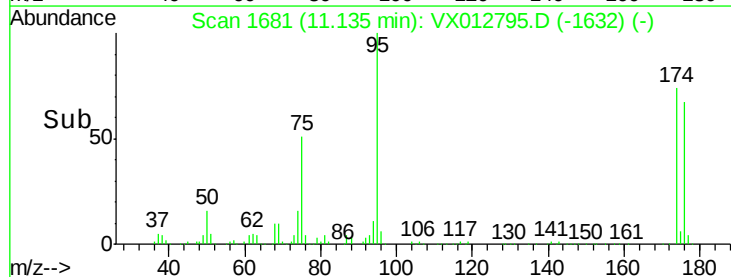
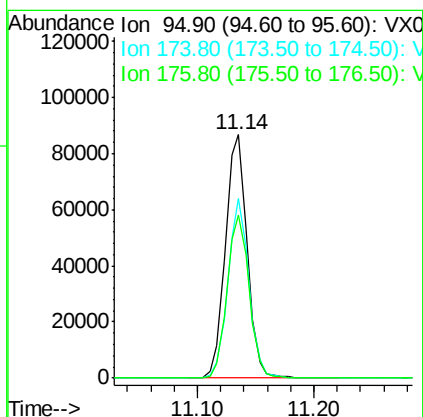
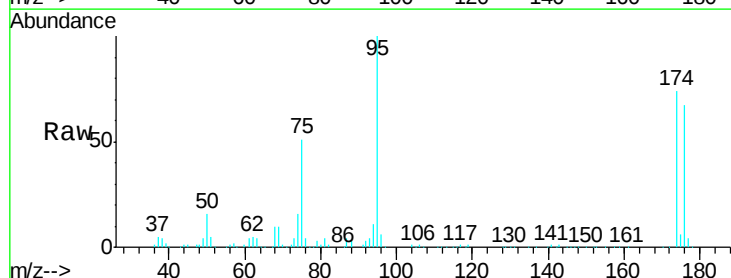
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ149I-20191001

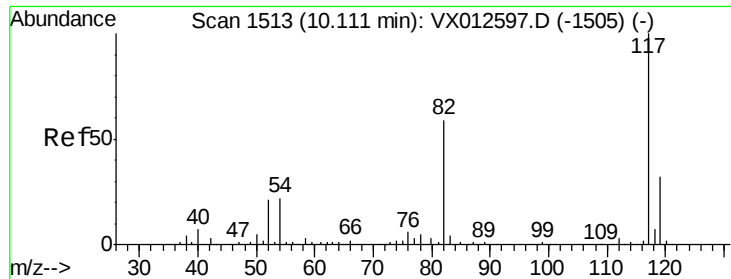
Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 161.6 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 42.714 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Tgt Ion: 95 Resp: 111852
Ion Ratio Lower Upper
95 100
174 71.3 0.0 140.0
176 67.9 0.0 135.4

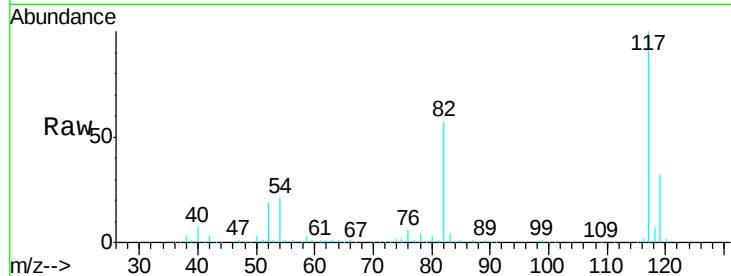




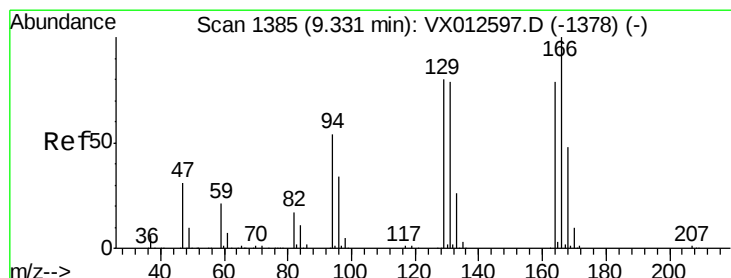
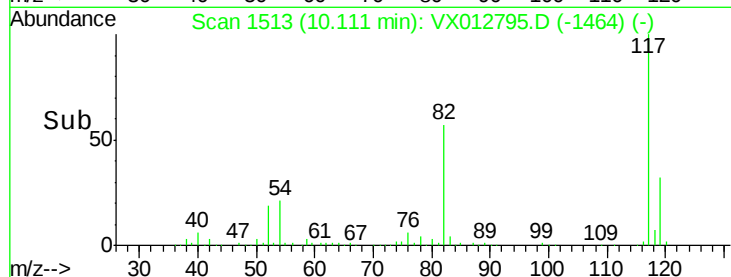
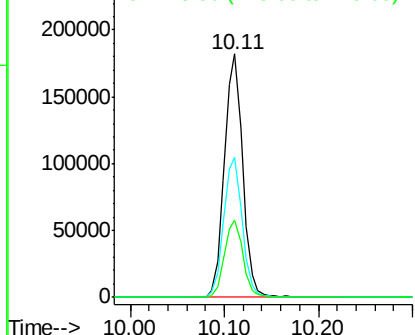
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ149I-20191001

Tgt Ion:117 Resp: 246084
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.8 25.3 37.9



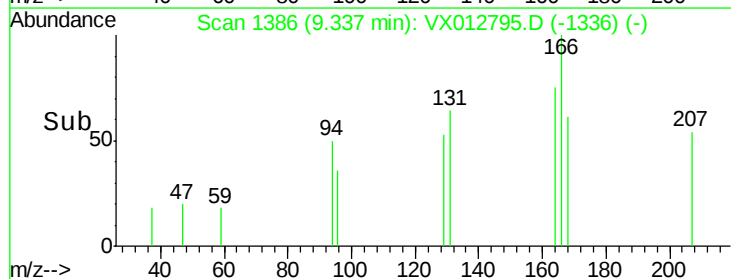
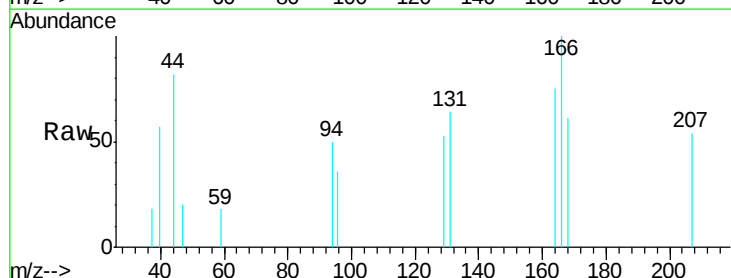
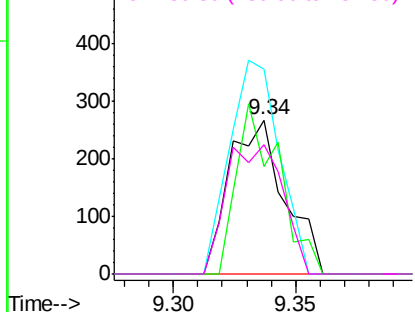
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

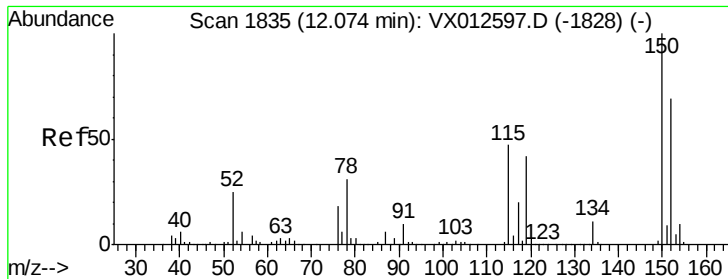


#64
Tetrachloroethene
Concen: 0.244 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. 0.01 min
Lab File: VX012795.D
Acq: 03 Oct 2019 19:43

Tgt Ion:164 Resp: 419
Ion Ratio Lower Upper
164 100
166 132.6 107.8 161.6
129 69.7 86.2 129.2#
131 84.3 80.4 120.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX012795.D

Acq: 03 Oct 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ149I-20191001

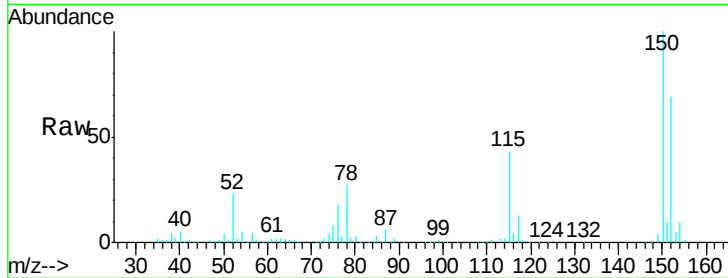
Tgt Ion: 152 Resp: 91197

Ion Ratio Lower Upper

152 100

115 63.3 44.1 132.3

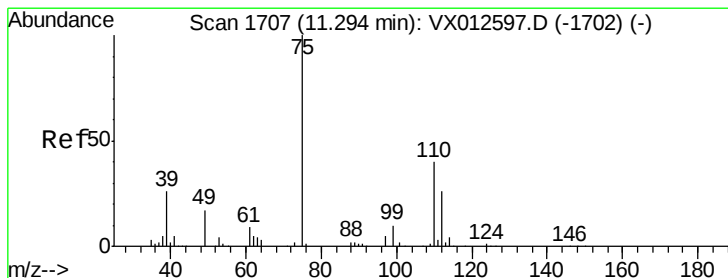
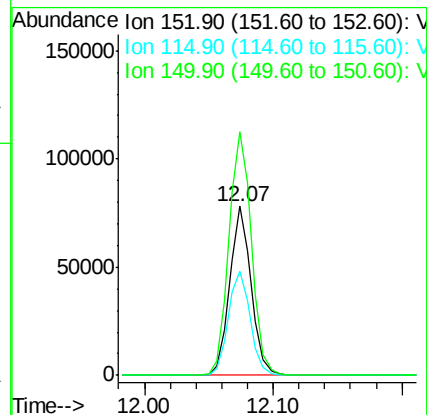
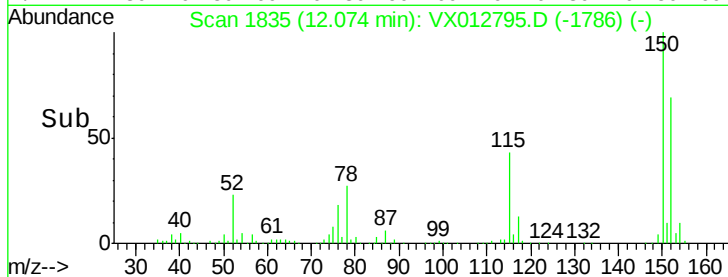
150 152.3 0.0 343.8



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: 23.784 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012795.D

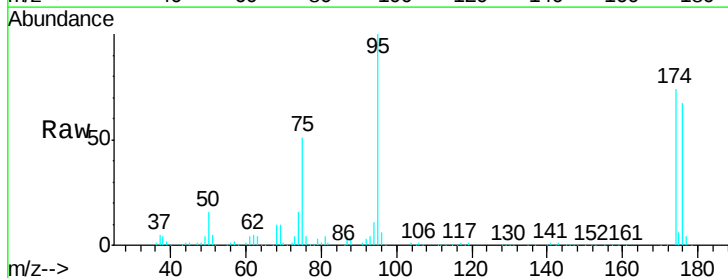
Acq: 03 Oct 2019 19:43

Tgt Ion: 75 Resp: 57377

Ion Ratio Lower Upper

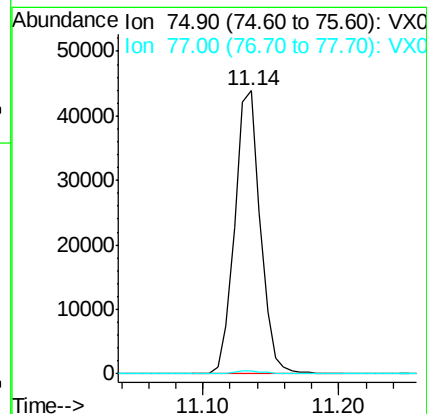
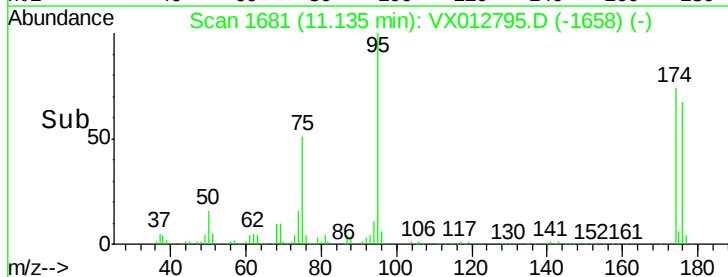
75 100

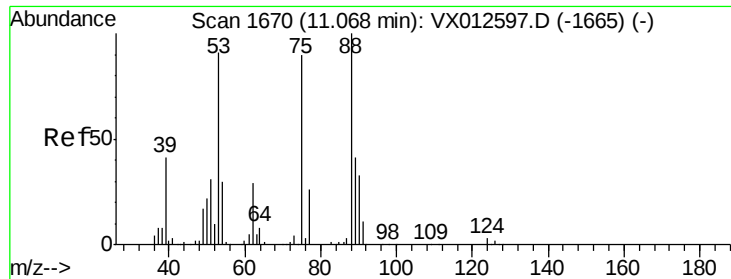
77 1.1 19.7 59.0#



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: 68.161 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012795.D

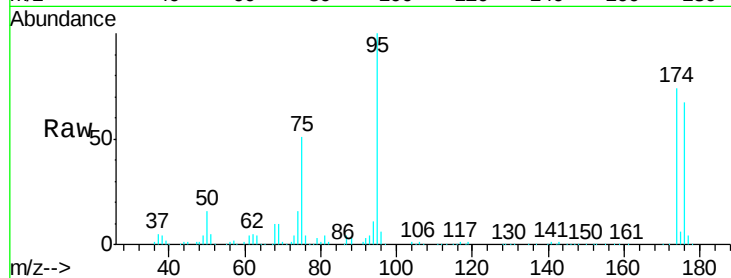
Acq: 03 Oct 2019 19:43

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ149I-20191001



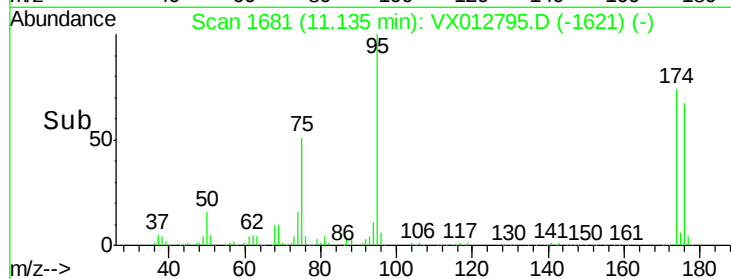
Tgt Ion: 75 Resp: 57377

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

