

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012810.D
 Acq On : 04 Oct 2019 14:38
 Operator : JC/SP
 Sample : K5189-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ133I-20190930

Quant Time: Oct 05 04:22:32 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	175761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302119	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	254630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119835	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	5.49	113	92046	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
50) Toluene-d8	8.71	98	356443	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.13	95	118214	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	

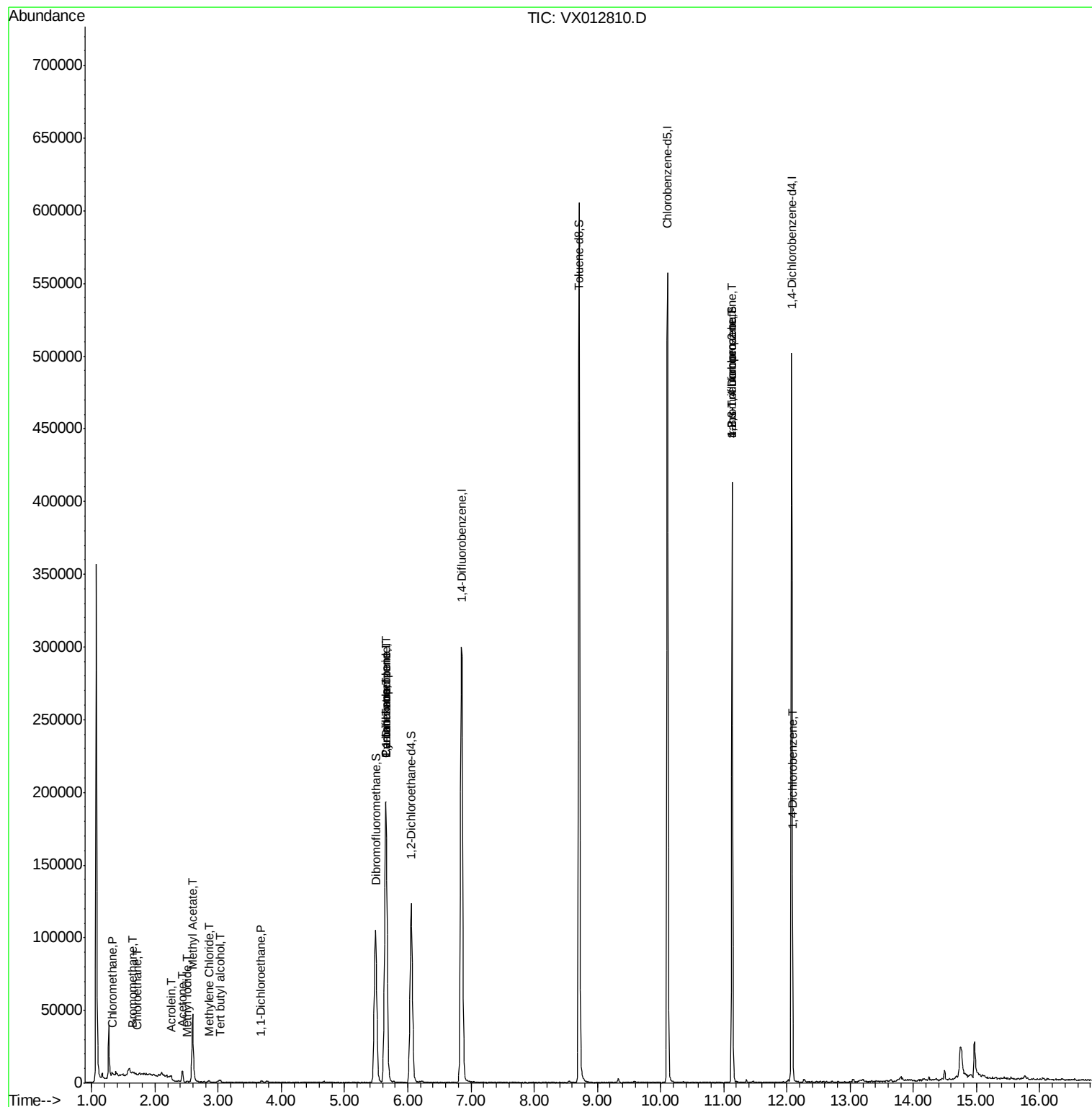
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1158	0.510	ug/l	90
5) Bromomethane	1.64	94	485	0.547	ug/l	99
6) Chloroethane	1.73	64	319	0.210	ug/l	96
10) Methyl Iodide	2.50	142	307	5.089	ug/l #	71
11) Tert butyl alcohol	3.03	59	1563	2.445	ug/l #	79
13) Acrolein	2.27	56	250	10.906	ug/l #	15
16) Acetone	2.44	43	7915	5.838	ug/l	99
18) Methyl Acetate	2.59	43	11325	3.548	ug/l #	54
20) Methylene Chloride	2.85	84	494	0.215	ug/l #	59
24) 1,1-Dichloroethane	3.68	63	1671	0.424	ug/l #	94
31) Cyclohexane	5.66	56	3639	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14759	5.068	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19037	6.435	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	58754	23.530	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	58754	67.432	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	887	0.280	ug/l #	5

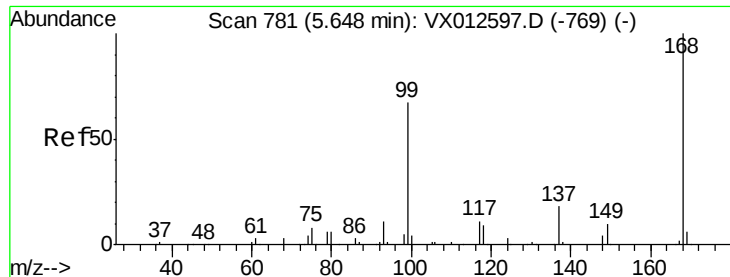
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

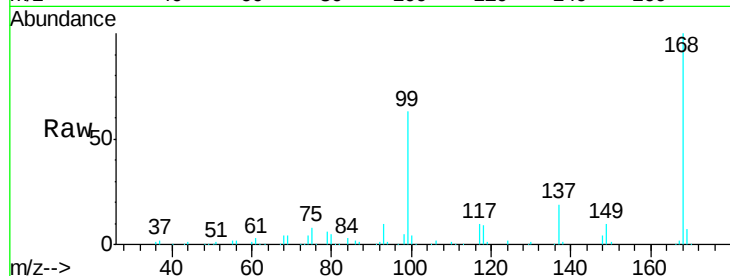
SA-PZ133I-20190930

Tgt Ion:168 Resp: 175761

Ion Ratio Lower Upper

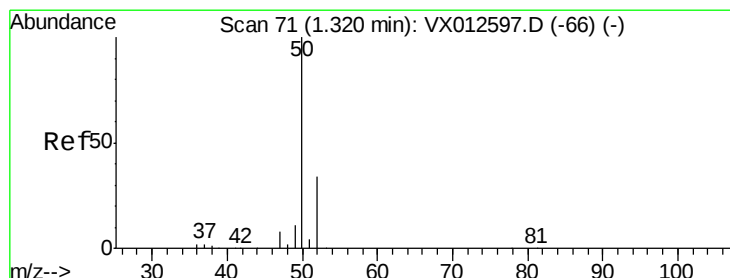
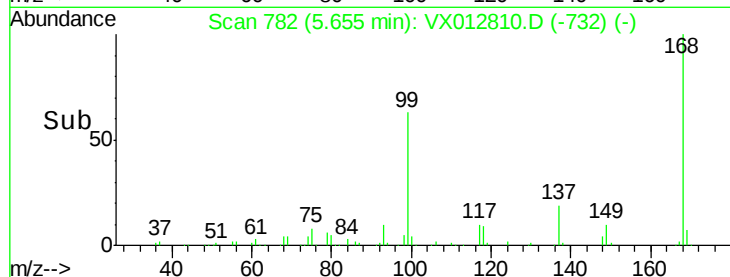
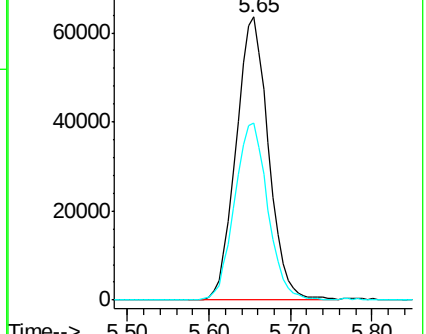
168 100

99 62.8 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: 0.510 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012810.D

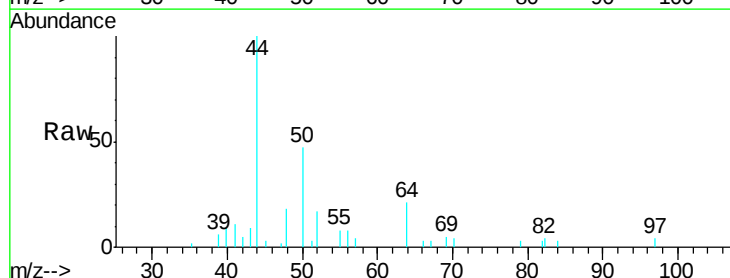
Acq: 04 Oct 2019 14:38

Tgt Ion: 50 Resp: 1158

Ion Ratio Lower Upper

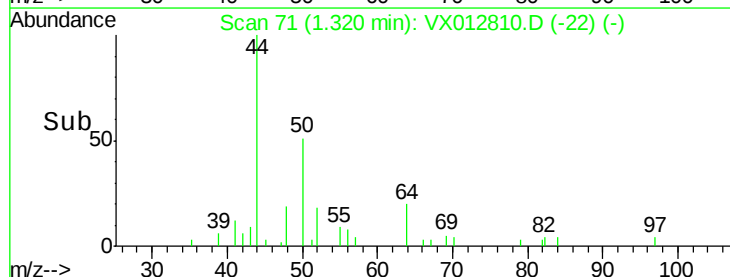
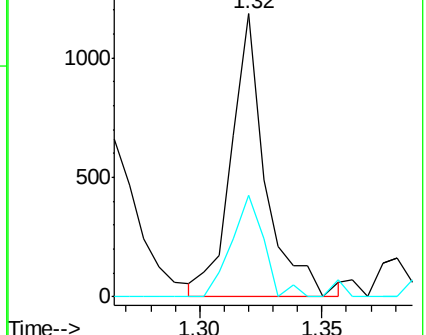
50 100

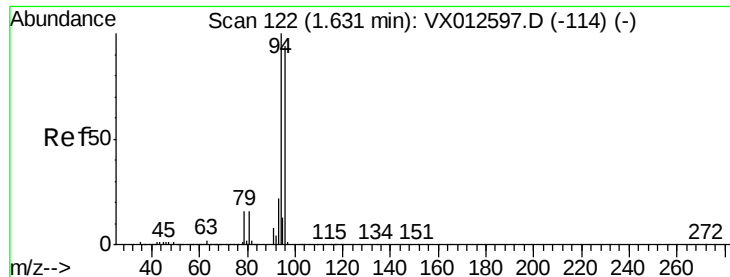
52 37.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.547 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

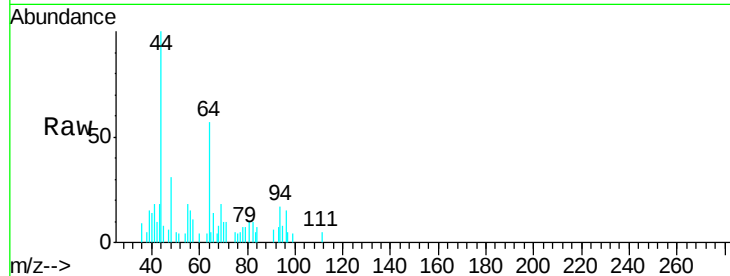
SA-PZ133I-20190930

Tgt Ion: 94 Resp: 485

Ion Ratio Lower Upper

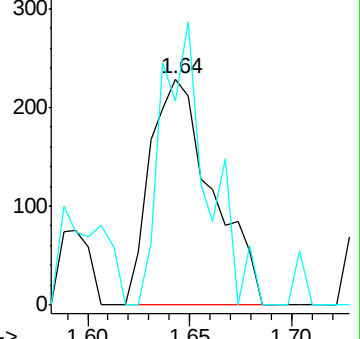
94 100

96 90.0 72.8 109.2

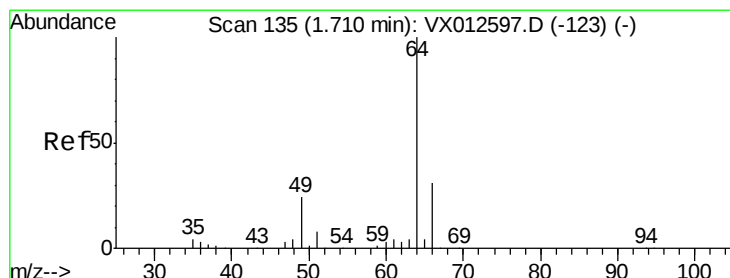
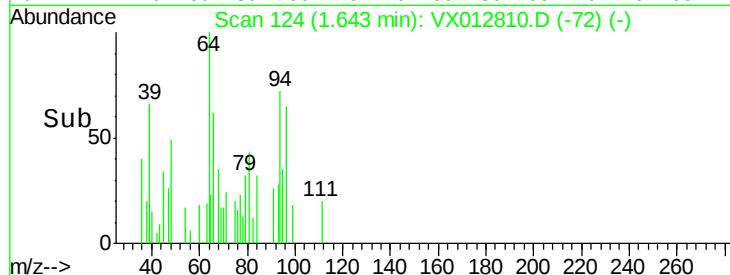


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012810.D

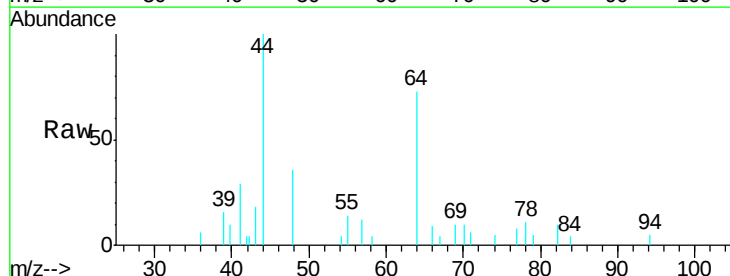
Acq: 04 Oct 2019 14:38

Tgt Ion: 64 Resp: 319

Ion Ratio Lower Upper

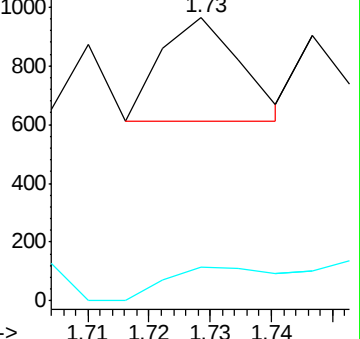
64 100

66 32.0 24.0 36.0

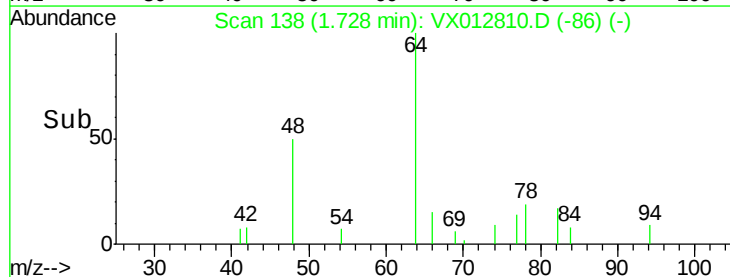


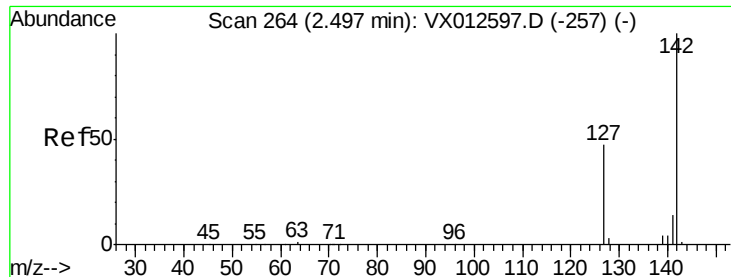
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

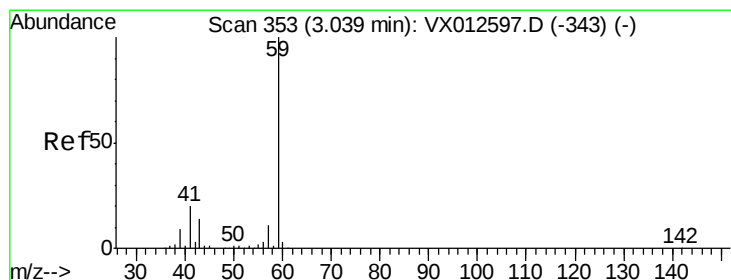
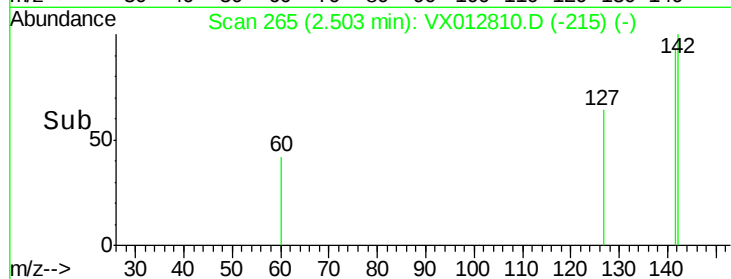
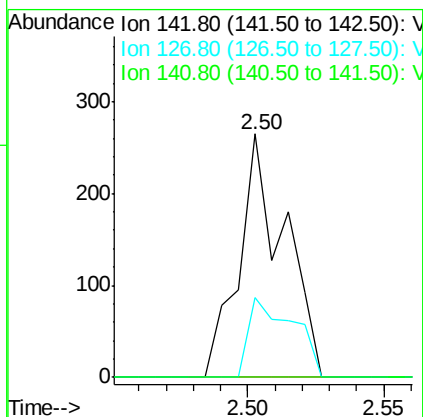
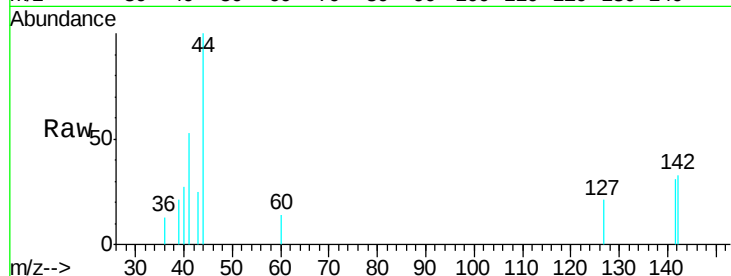




#10
Methyl Iodide
Concen: 5.089 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

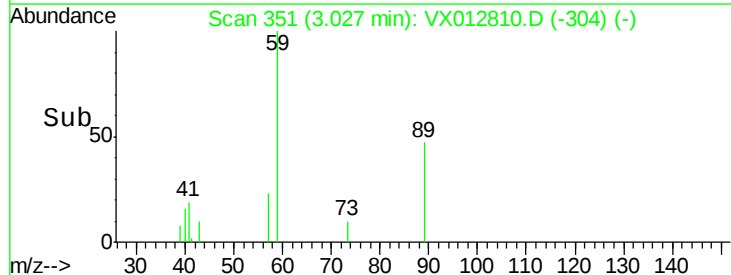
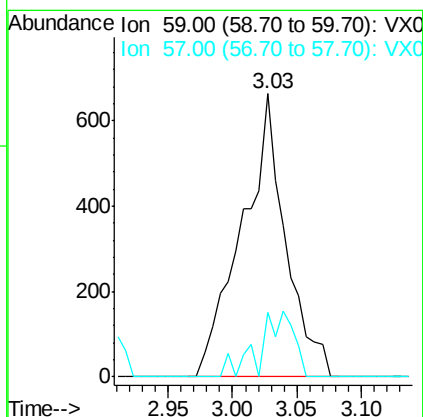
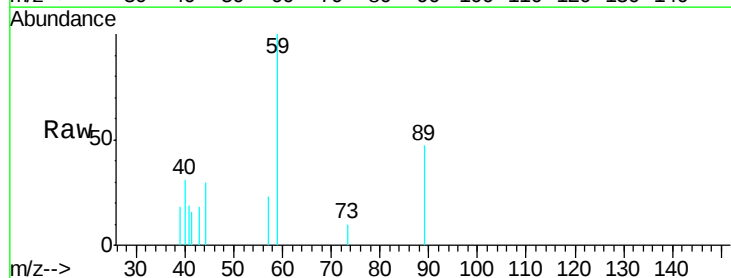
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ133I-20190930

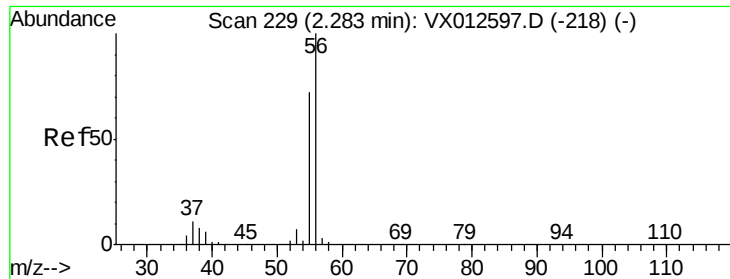
Tgt Ion: 142 Resp: 307
Ion Ratio Lower Upper
142 100
127 32.2 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 2.445 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 59 Resp: 1563
Ion Ratio Lower Upper
59 100
57 18.2 8.3 12.5#





#13

Acrolein

Concen: 10.906 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

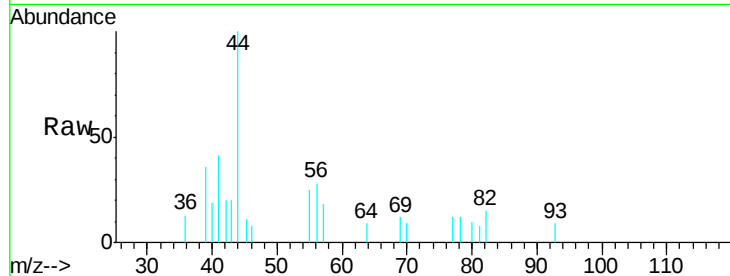
SA-PZ133I-20190930

Tgt Ion: 56 Resp: 250

Ion Ratio Lower Upper

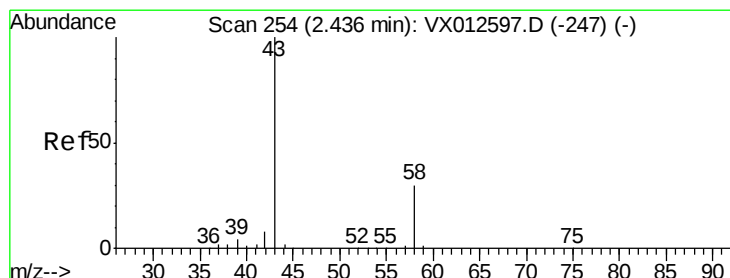
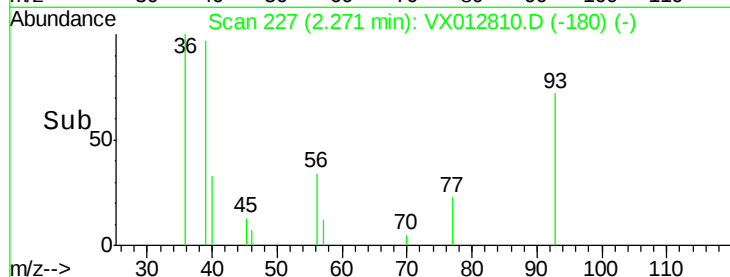
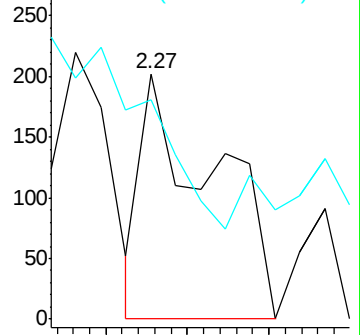
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.838 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012810.D

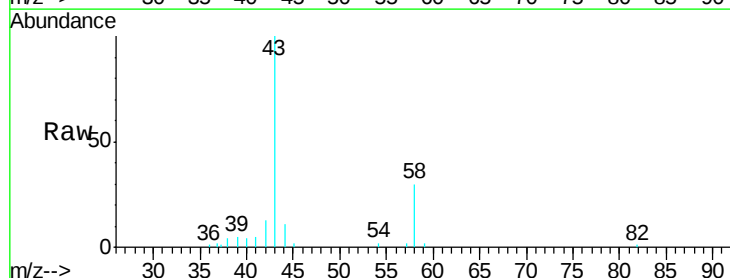
Acq: 04 Oct 2019 14:38

Tgt Ion: 43 Resp: 7915

Ion Ratio Lower Upper

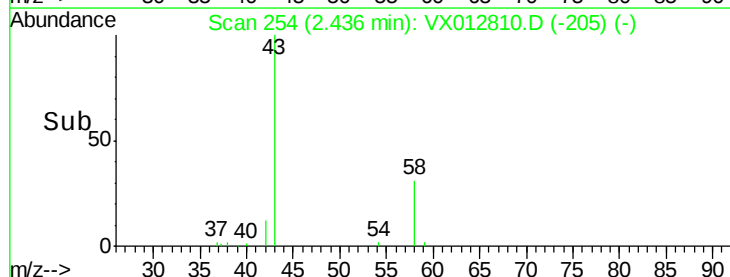
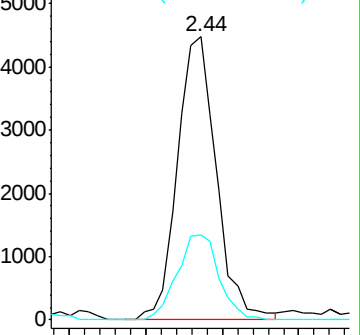
43 100

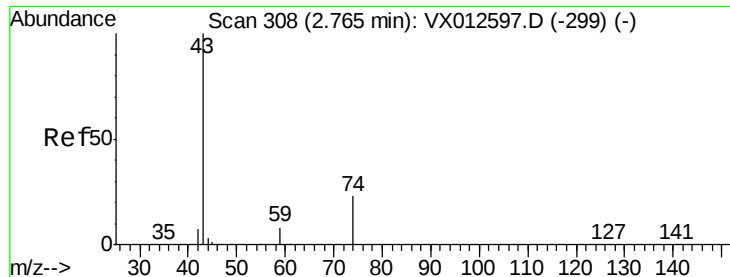
58 29.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

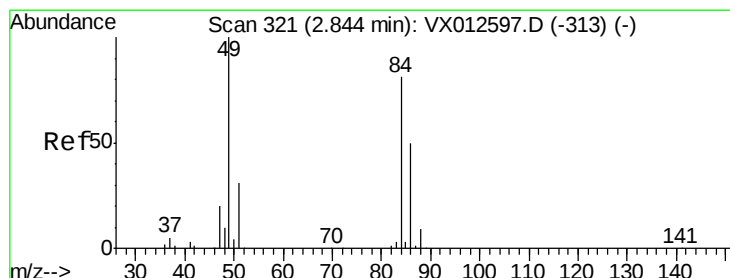
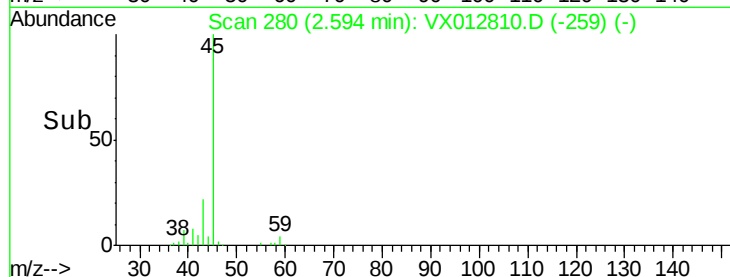
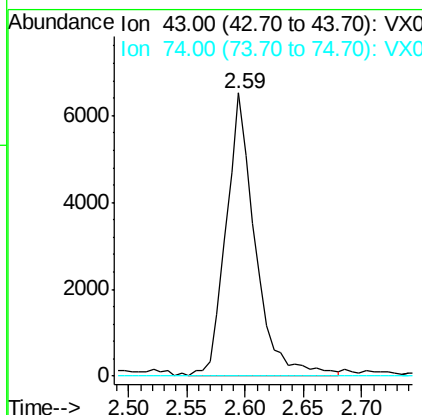
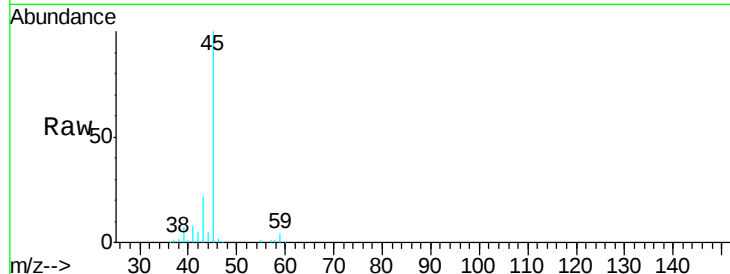




#18
Methyl Acetate
Concen: 3.548 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

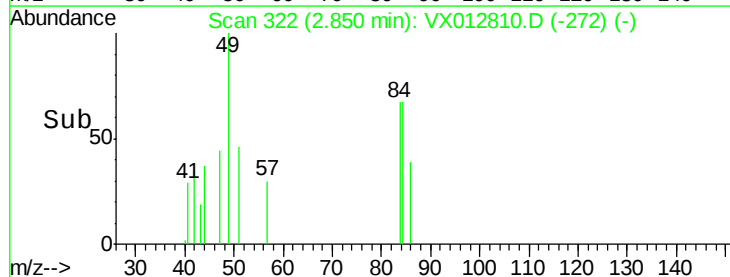
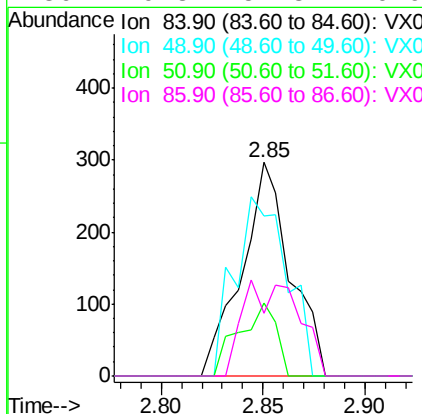
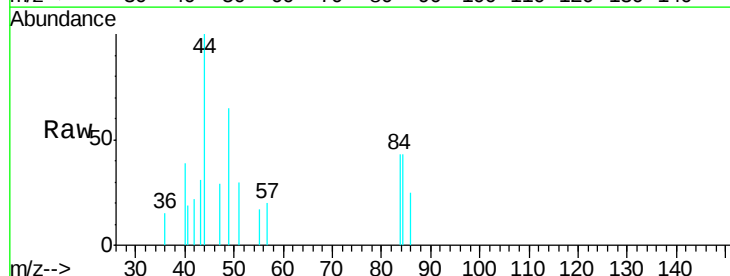
Instrument :
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SA-PZ133I-20190930

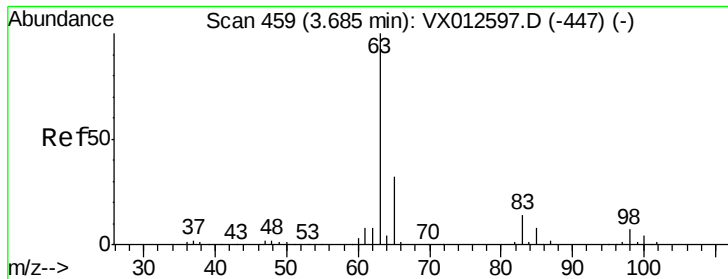
Tgt Ion: 43 Resp: 11325
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 84 Resp: 494
Ion Ratio Lower Upper
84 100
49 74.7 106.8 160.2#
51 34.3 32.3 48.5
86 29.3 51.3 76.9#





#24

1,1-Dichloroethane

Concen: 0.424 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

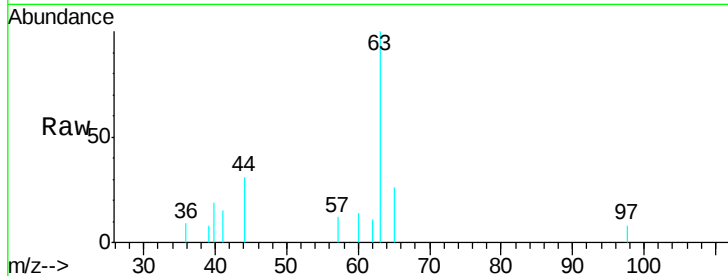
Instrument :

MSVOA_X

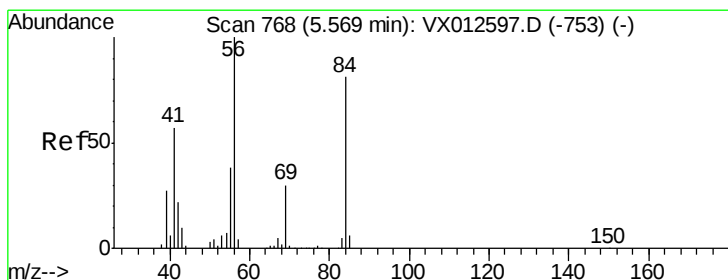
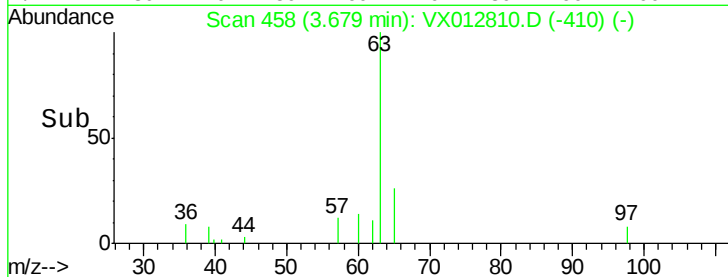
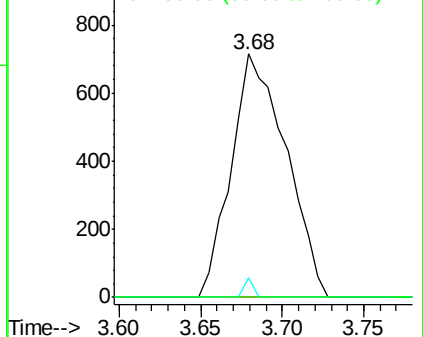
ClientSampleId :

SA-PZ133I-20190930

Tgt Ion:	63	Resp:	1671
Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.9	11.7
100	0.0	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: 1.021 ug/l

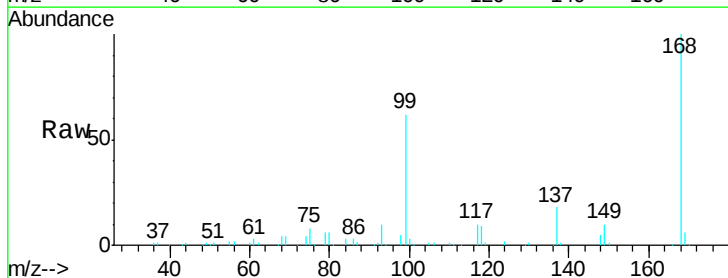
RT: 5.66 min Scan# 783

Delta R.T. 0.09 min

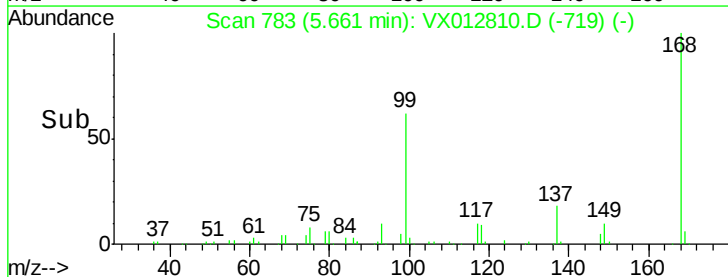
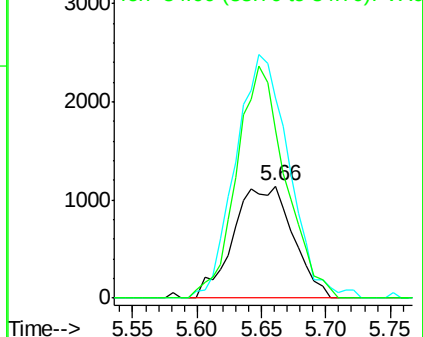
Lab File: VX012810.D

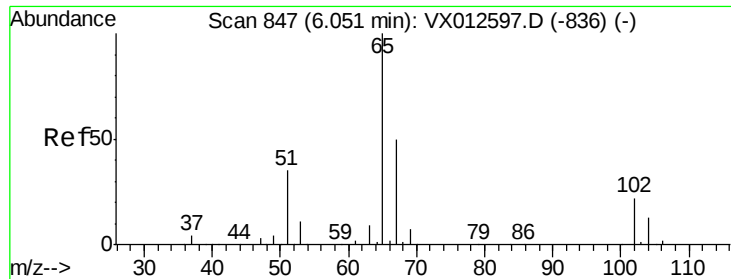
Acq: 04 Oct 2019 14:38

Tgt Ion:	56	Resp:	3639
Ion	Ratio	Lower	Upper
56	100		
69	178.8	25.0	37.6#
84	150.4	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: 46.821 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

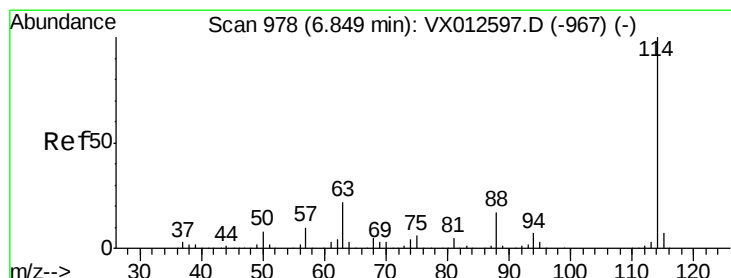
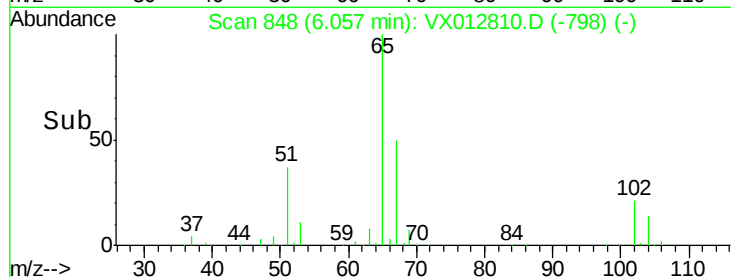
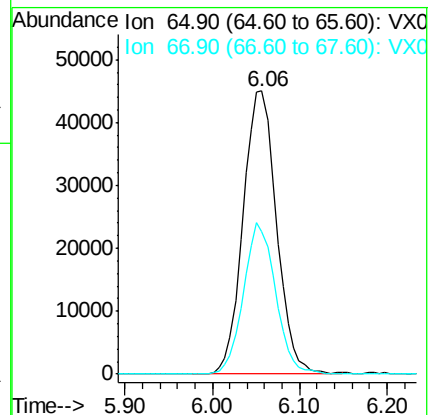
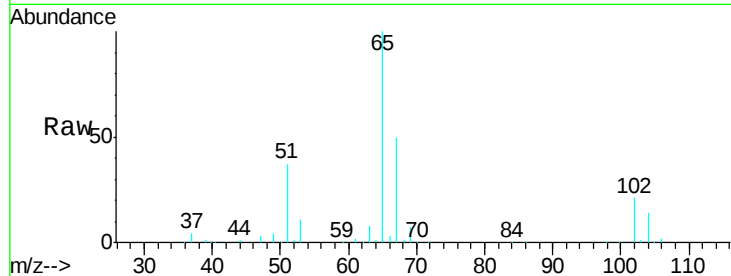
SA-PZ1331-20190930

Tgt Ion: 65 Resp: 119835

Ion Ratio Lower Upper

65 100

67 51.5 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: VX012810.D

Acq: 04 Oct 2019 14:38

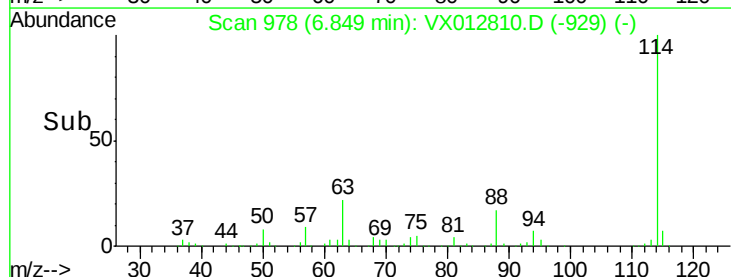
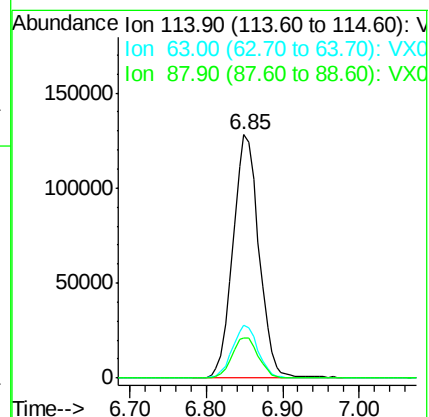
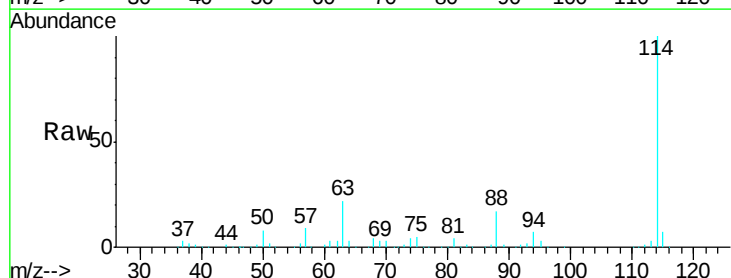
Tgt Ion: 114 Resp: 302119

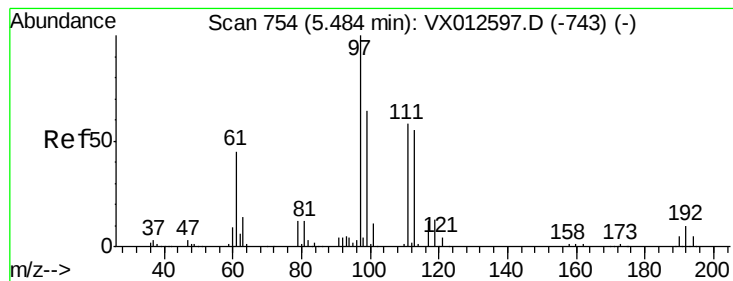
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.158 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ133I-20190930

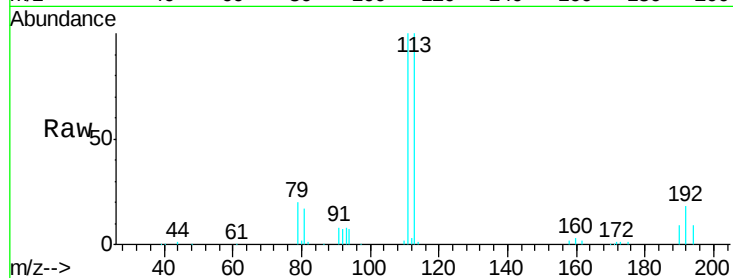
Tgt Ion:113 Resp: 92046

Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

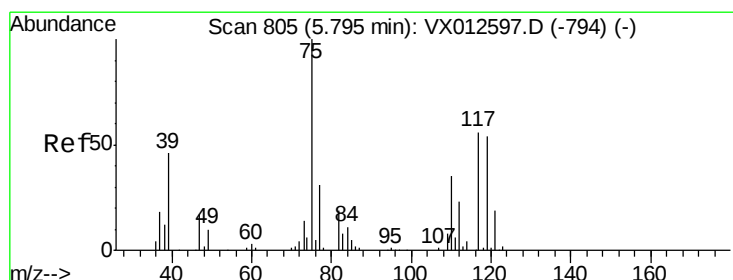
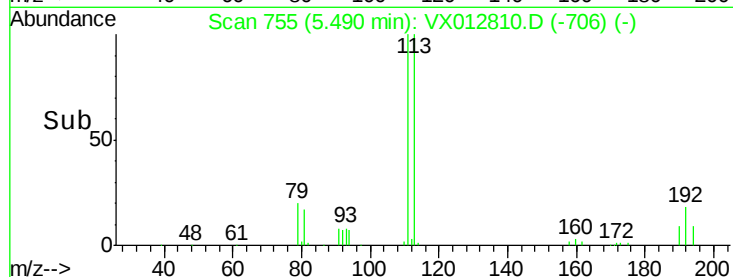
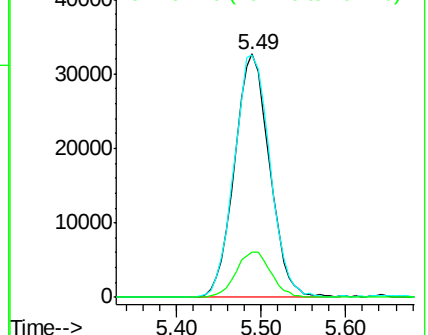
192 18.5 14.4 21.6



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: 5.068 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

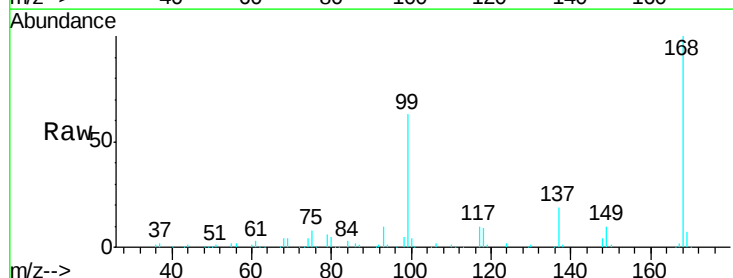
Tgt Ion: 75 Resp: 14759

Ion Ratio Lower Upper

75 100

110 8.6 16.7 50.0#

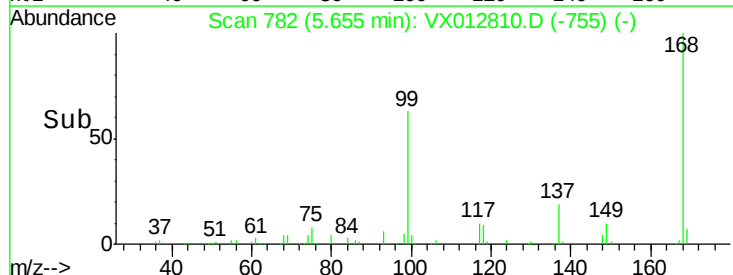
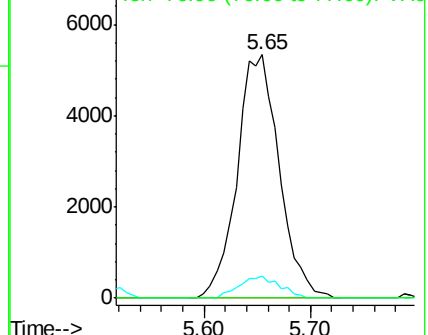
77 0.0 24.2 36.2#

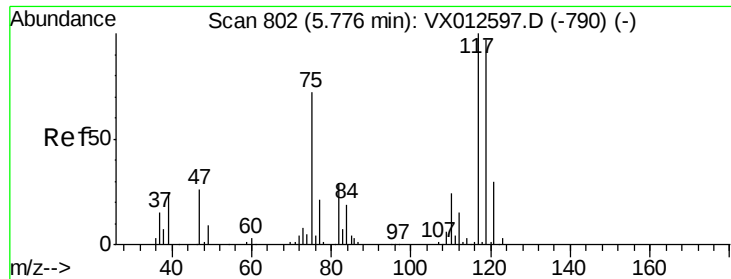


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

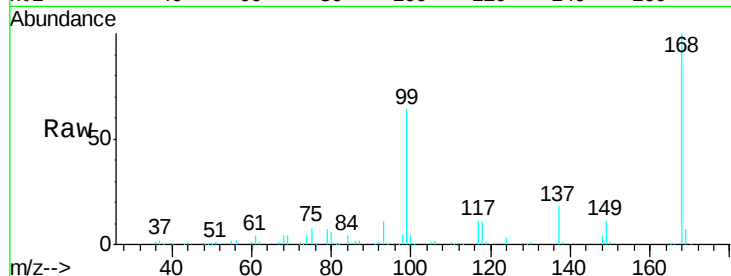




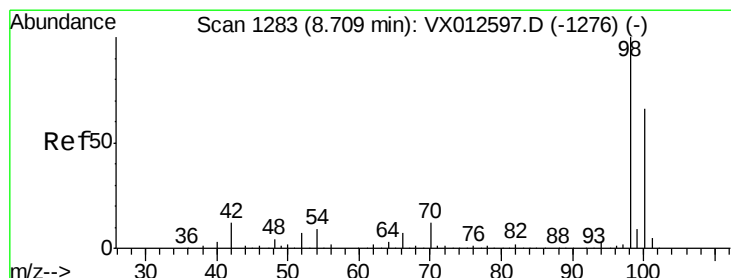
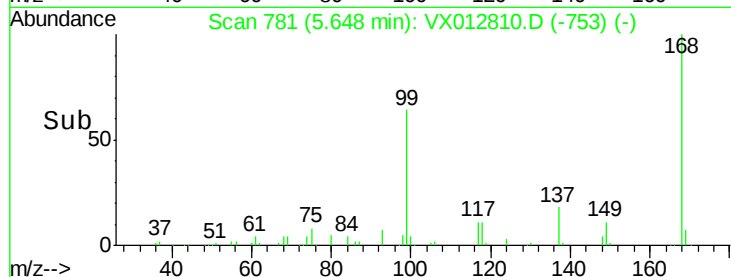
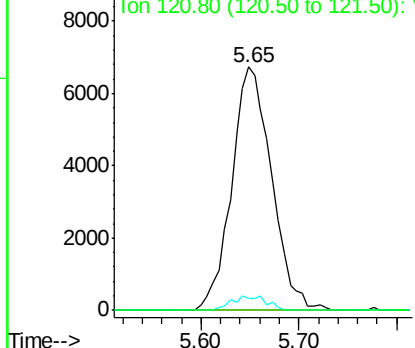
#38
Carbon Tetrachloride
Concen: 6.435 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ133I-20190930

Tgt Ion:117 Resp: 19037
Ion Ratio Lower Upper
117 100
119 4.9 75.7 113.5#
121 0.0 24.2 36.4#

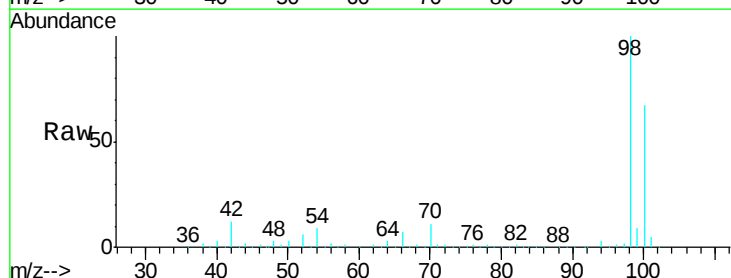


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

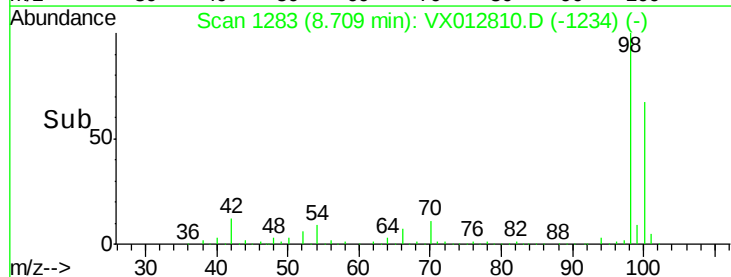
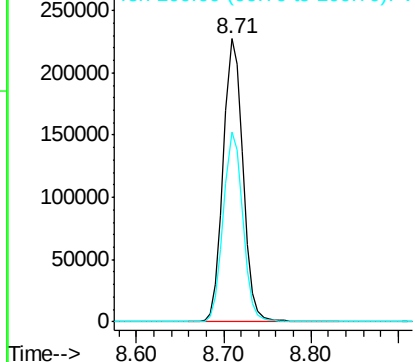


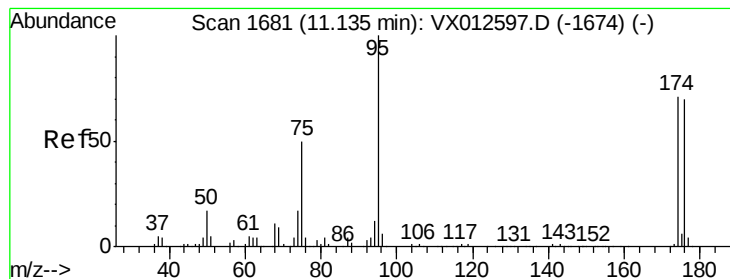
#50
Toluene-d8
Concen: 51.442 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012810.D
Acq: 04 Oct 2019 14:38

Tgt Ion: 98 Resp: 356443
Ion Ratio Lower Upper
98 100
100 66.2 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: 43.389 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ133I-20190930

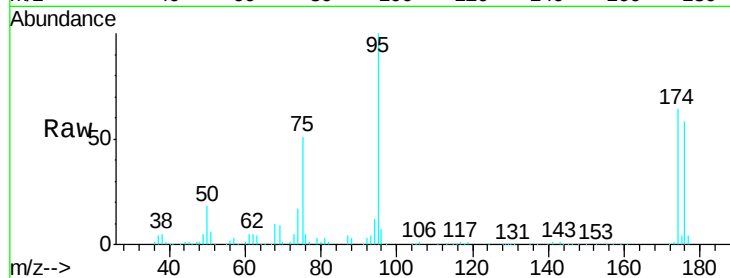
Tgt Ion: 95 Resp: 118214

Ion Ratio Lower Upper

95 100

174 71.3 0.0 140.0

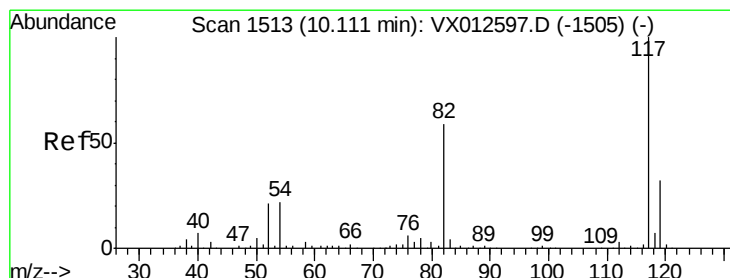
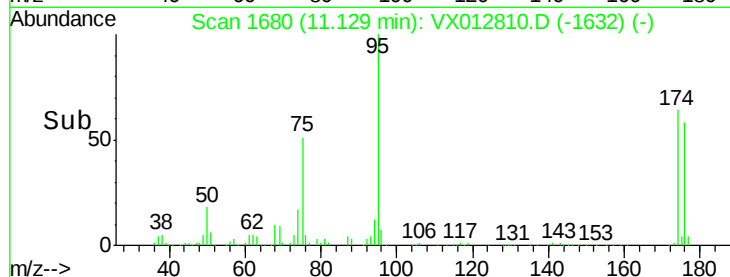
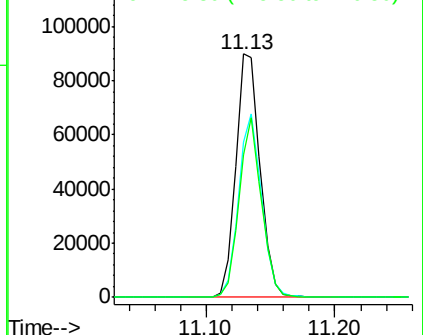
176 67.8 0.0 135.4



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: VX012810.D

Acq: 04 Oct 2019 14:38

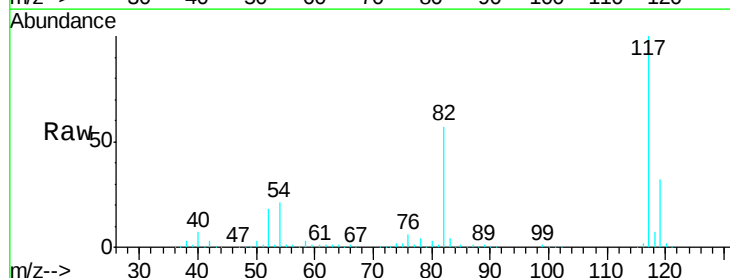
Tgt Ion: 117 Resp: 254630

Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

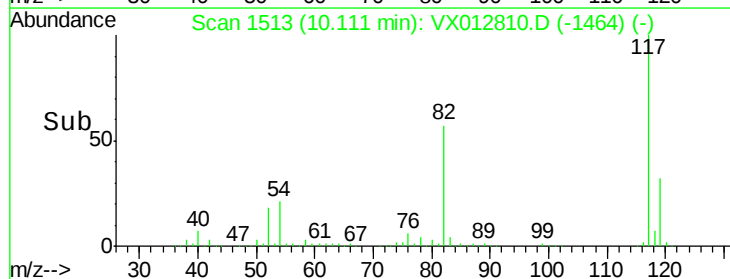
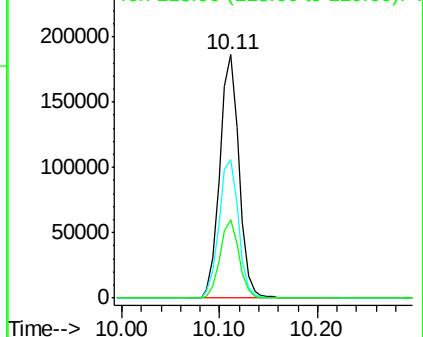
119 32.0 25.3 37.9

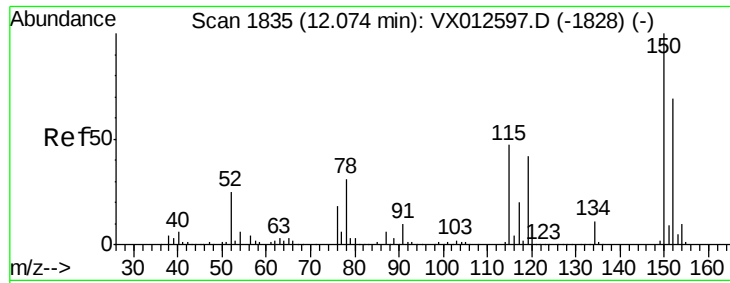


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ133I-20190930

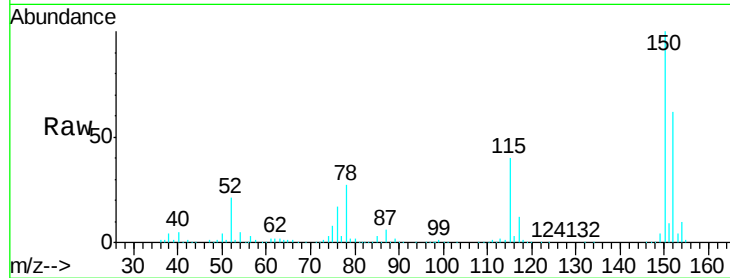
Tgt Ion:152 Resp: 94394

Ion Ratio Lower Upper

152 100

115 65.7 44.1 132.3

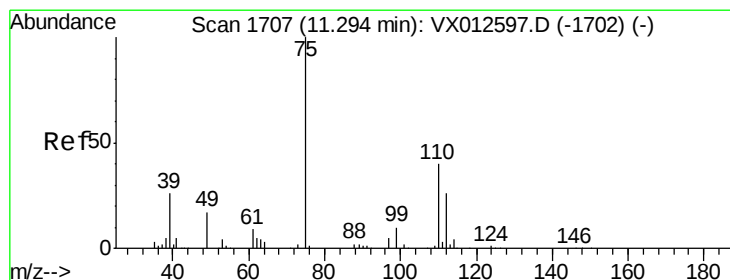
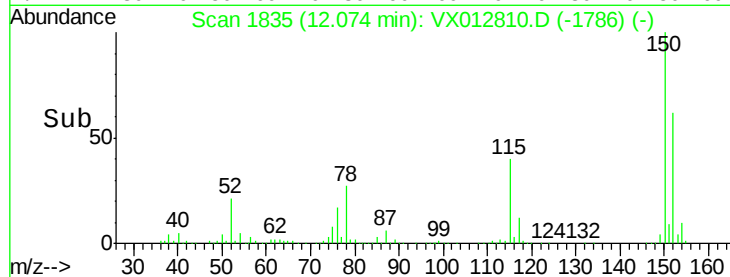
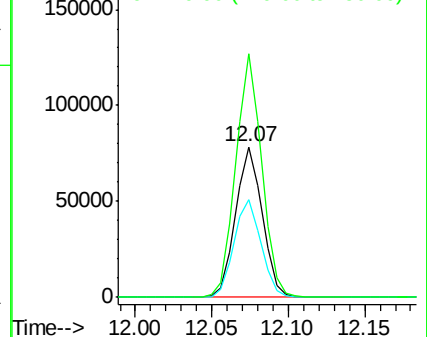
150 158.6 0.0 343.8



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: 23.530 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012810.D

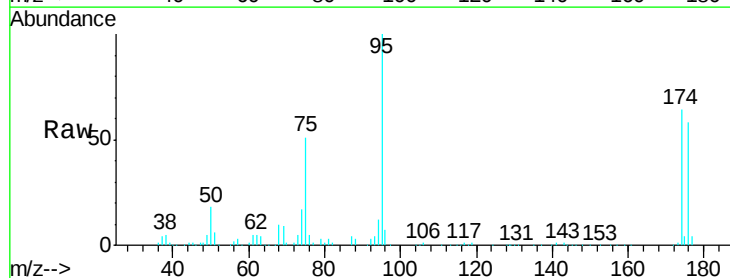
Acq: 04 Oct 2019 14:38

Tgt Ion: 75 Resp: 58754

Ion Ratio Lower Upper

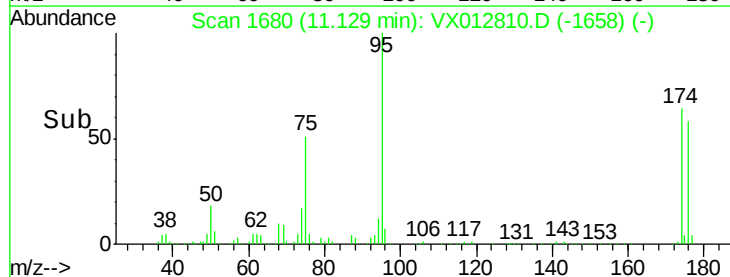
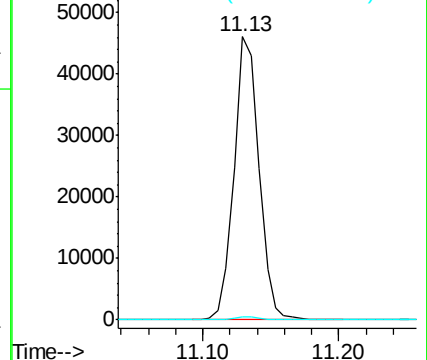
75 100

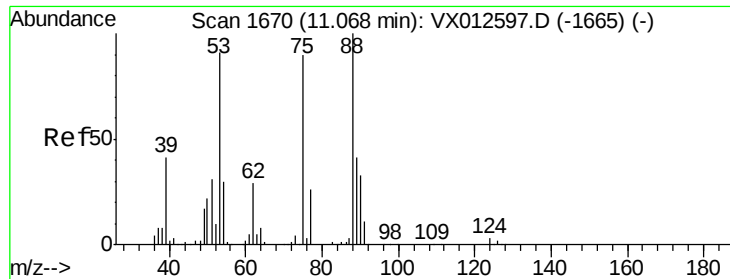
77 1.2 19.7 59.0#



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: 67.432 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ133I-20190930

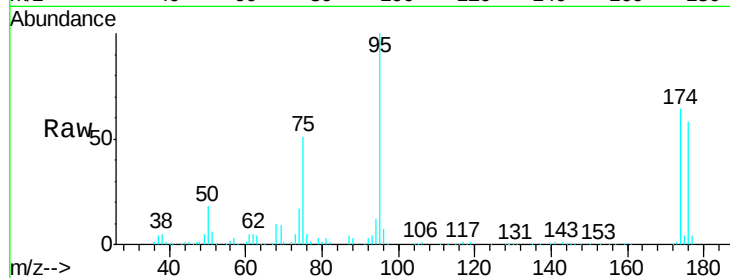
Tgt Ion: 75 Resp: 58754

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

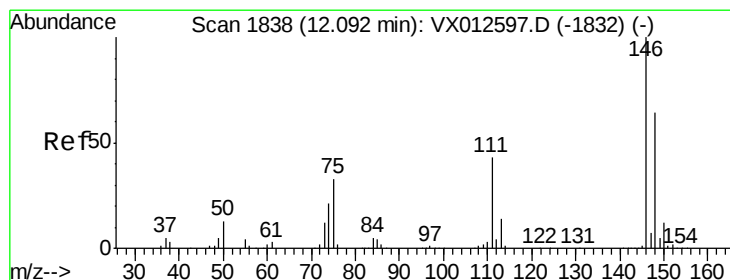
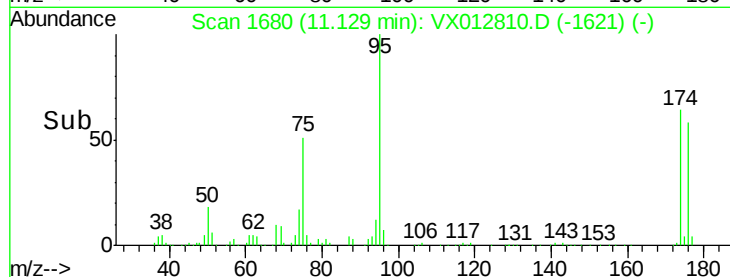
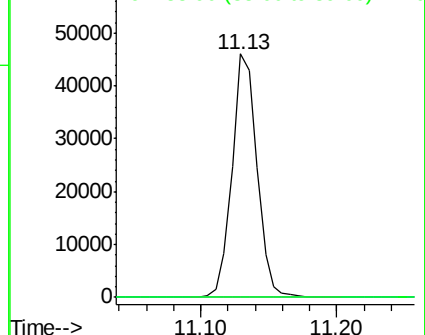
89 0.0 36.3 54.5#



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



#88

1,4-Dichlorobenzene

Concen: 0.280 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012810.D

Acq: 04 Oct 2019 14:38

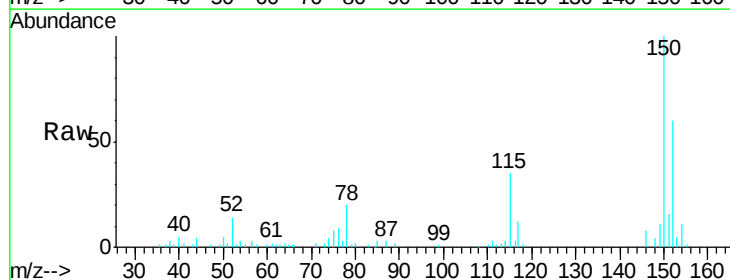
Tgt Ion: 146 Resp: 887

Ion Ratio Lower Upper

146 100

111 176.1 21.1 63.3#

148 49.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

