

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
 Data File : VX012702.D
 Acq On : 30 Sep 2019 13:59
 Operator : JC/SP
 Sample : K5081-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20190925

Quant Time: Oct 01 03:46:21 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	168136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	291426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	82350	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	119470	48.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.60%	
35) Dibromofluoromethane	5.49	113	87540	50.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	337698	50.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	108008	41.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.20%	

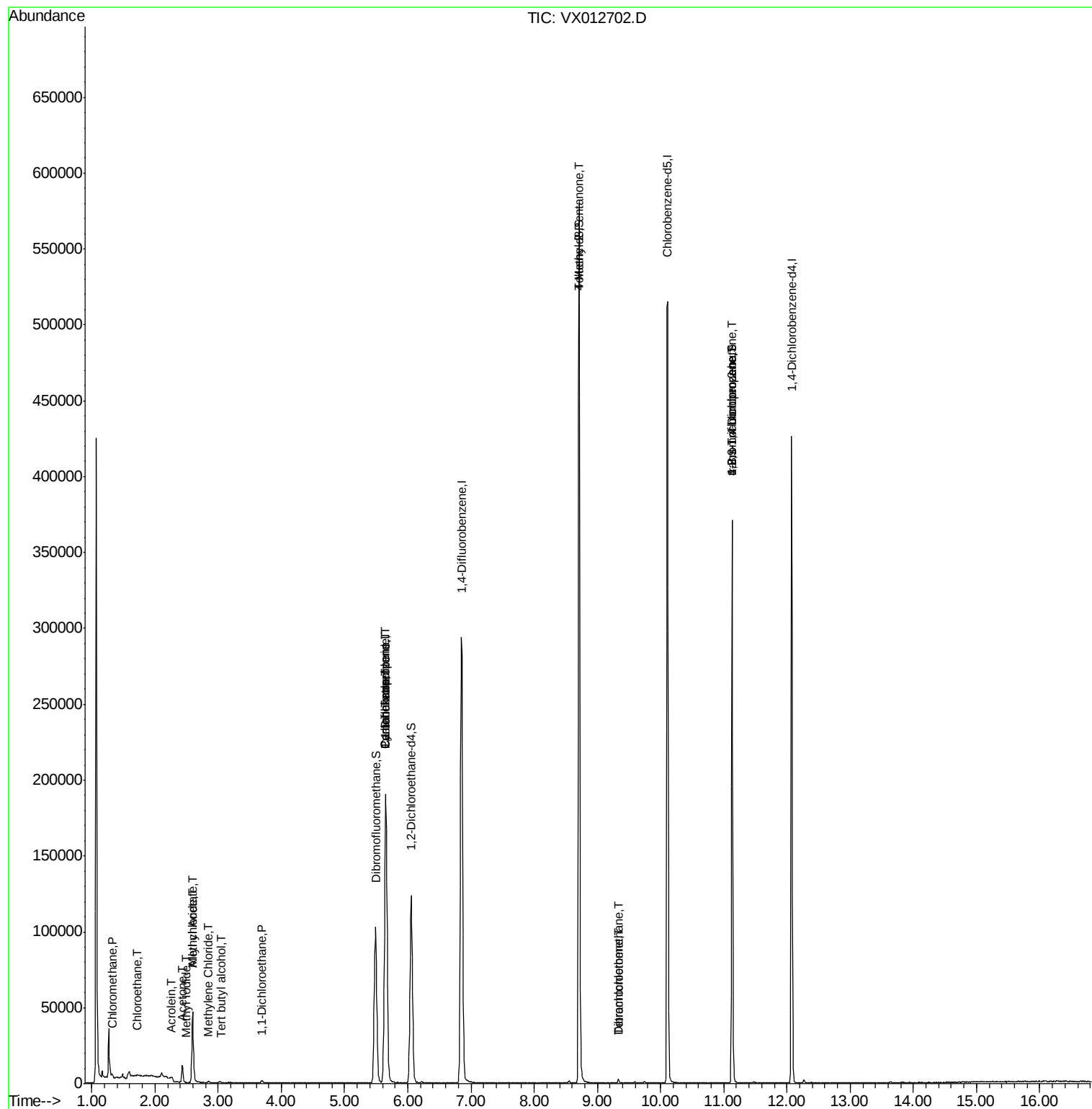
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1545	0.711	ug/l	96
6) Chloroethane	1.72	64	806	0.554	ug/l #	45
10) Methyl Iodide	2.50	142	170	5.032	ug/l #	65
11) Tert butyl alcohol	3.03	59	787	1.287	ug/l #	80
13) Acrolein	2.26	56	219	10.849	ug/l #	59
14) Allyl chloride	2.59	41	4662	1.300	ug/l #	58
16) Acetone	2.43	43	11875	9.157	ug/l	98
18) Methyl Acetate	2.59	43	12648	4.142	ug/l #	54
20) Methylene Chloride	2.84	84	449	0.205	ug/l #	60
24) 1,1-Dichloroethane	3.70	63	2057	0.546	ug/l #	81
31) Cyclohexane	5.65	56	4210	1.235	ug/l #	5
36) 1,1-Dichloropropene	5.65	75	14664	5.220	ug/l #	52
38) Carbon Tetrachloride	5.64	117	18847	6.605	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1488	0.439	ug/l #	1
60) Dibromochloromethane	9.33	129	485	0.232	ug/l #	11
64) Tetrachloroethene	9.34	164	377	0.229	ug/l #	83
76) 1,2,3-Trichloropropane	11.13	75	55844	25.636	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	55844	73.466	ug/l #	8

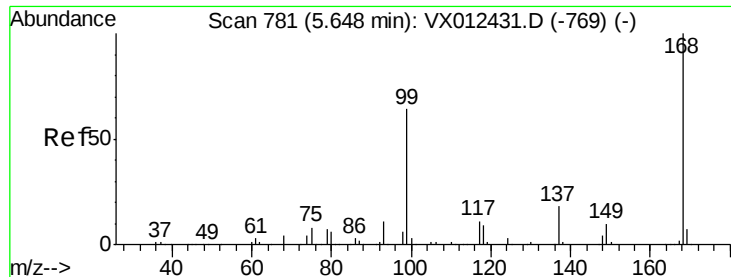
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX093019\
Data File : VX012702.D
Acq On : 30 Sep 2019 13:59
Operator : JC/SP
Sample : K5081-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20190925

Quant Time: Oct 01 03:46:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
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# 781

Delta R.T. 0.00 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

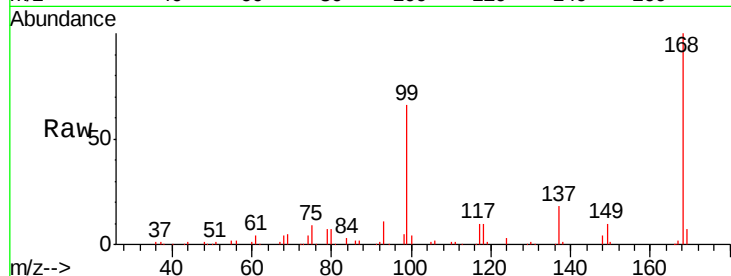
SA-PZ1831-20190925

Tgt Ion:168 Resp: 168136

Ion Ratio Lower Upper

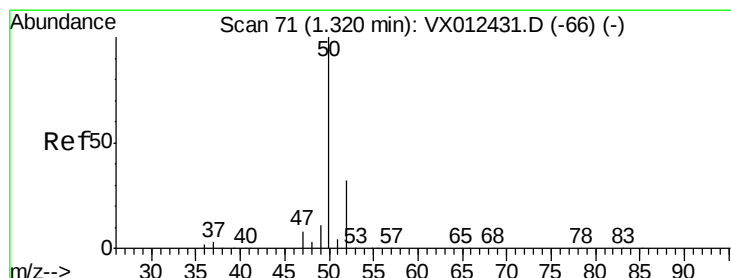
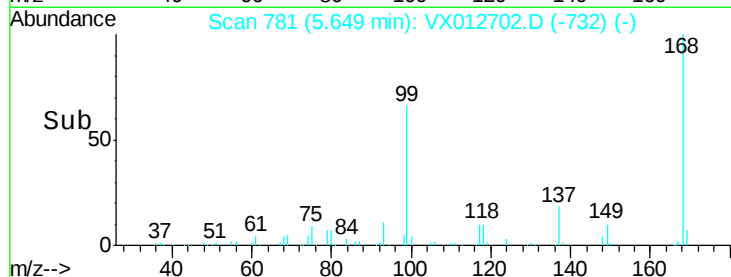
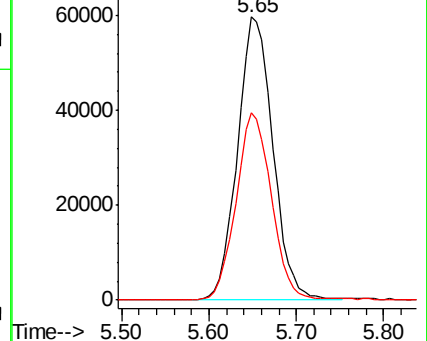
168 100

99 66.2 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: 0.711 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012702.D

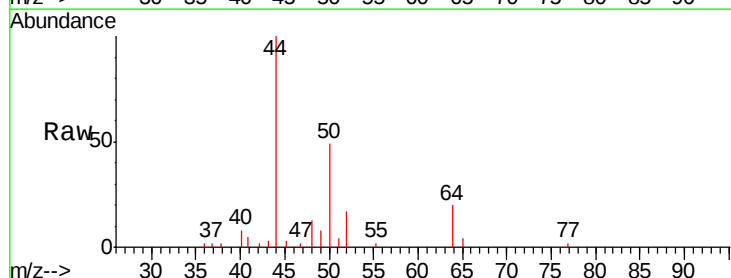
Acq: 30 Sep 2019 13:59

Tgt Ion: 50 Resp: 1545

Ion Ratio Lower Upper

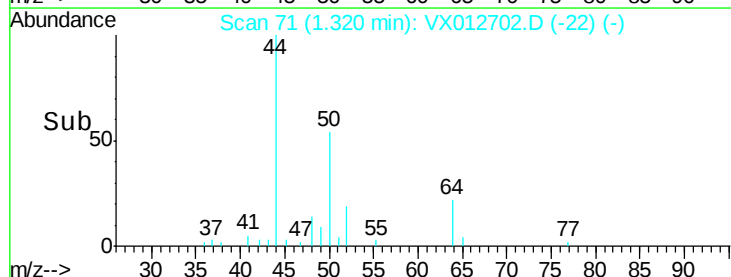
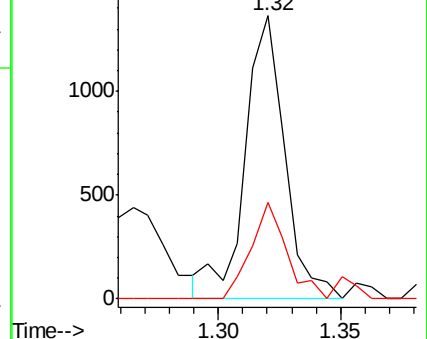
50 100

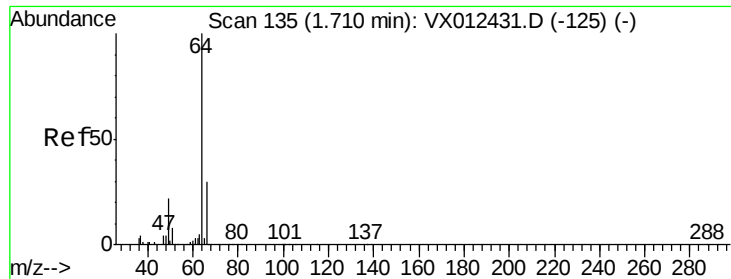
52 34.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.554 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

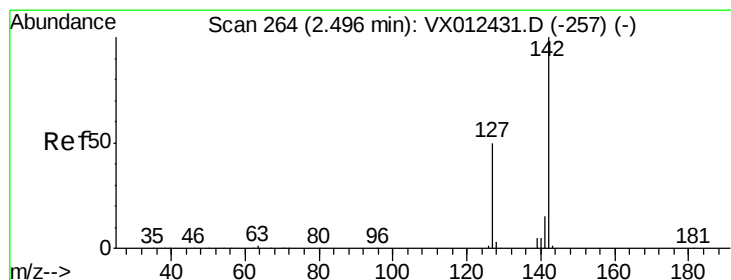
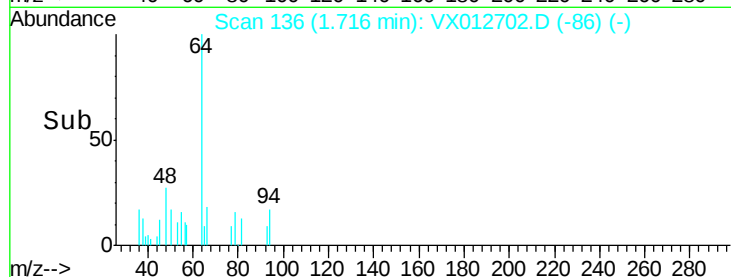
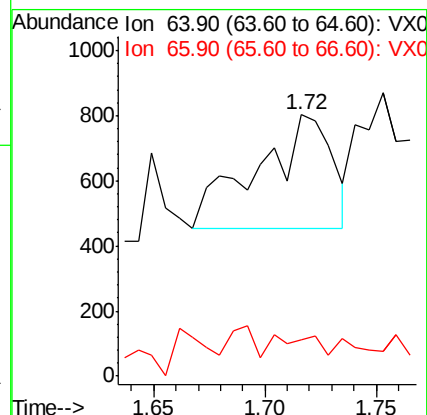
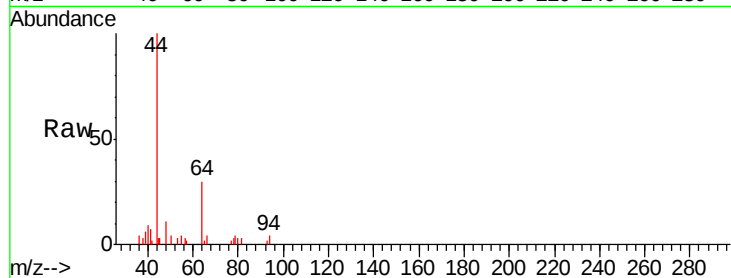
SA-PZ1831-20190925

Tgt Ion: 64 Resp: 806

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 5.032 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

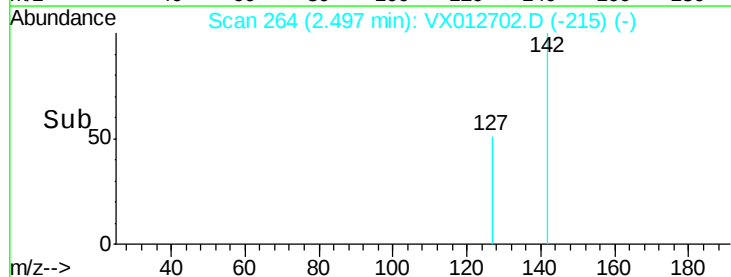
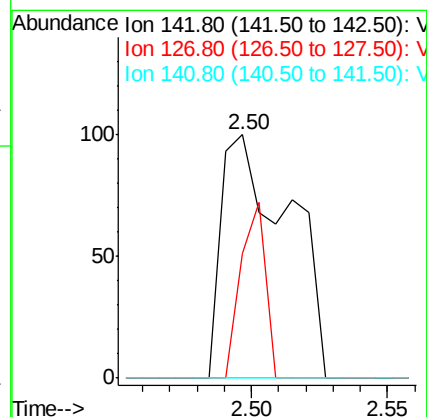
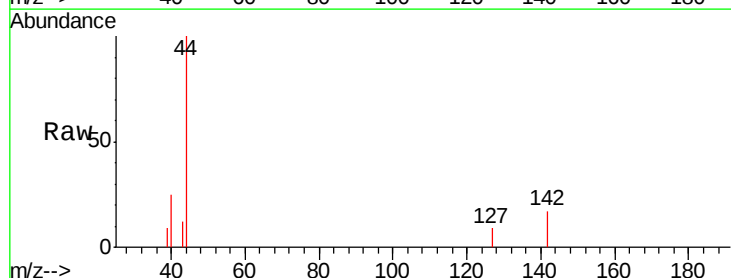
Tgt Ion: 142 Resp: 170

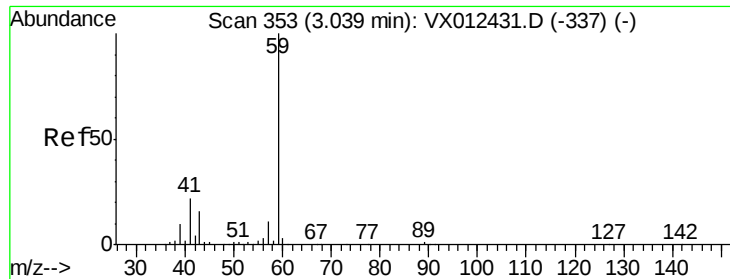
Ion Ratio Lower Upper

142 100

127 26.5 40.8 61.2#

141 0.0 12.1 18.1#

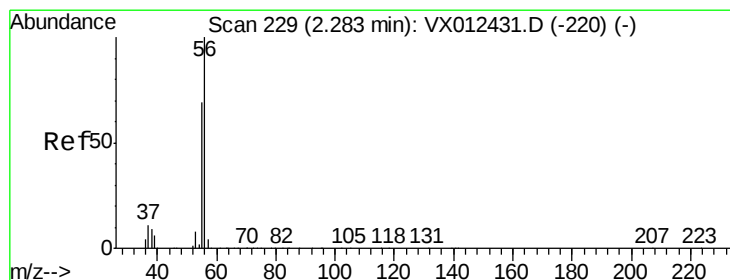
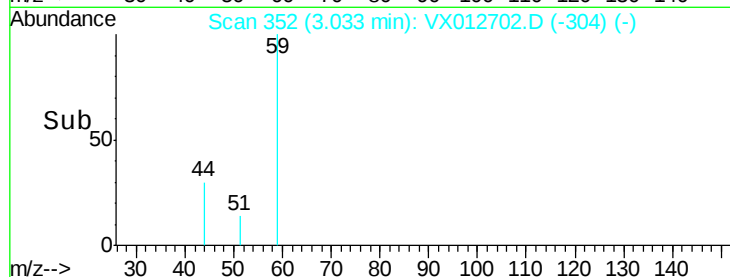
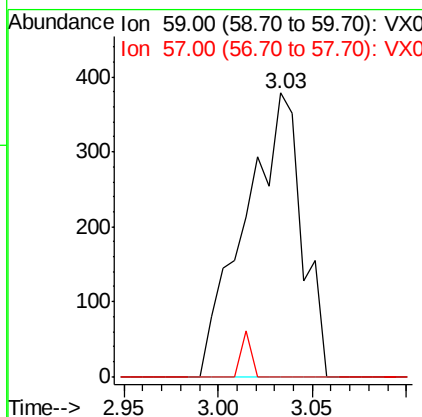
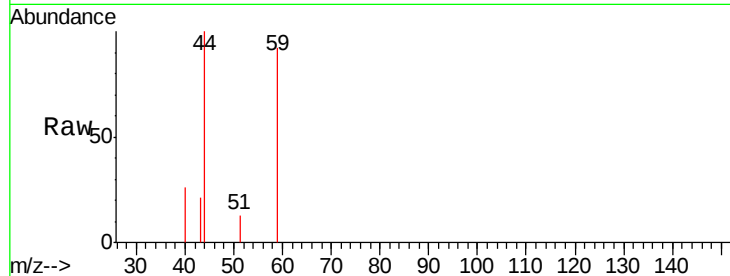




#11
Tert butyl alcohol
Concen: 1.287 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012702.D
Acq: 30 Sep 2019 13:59

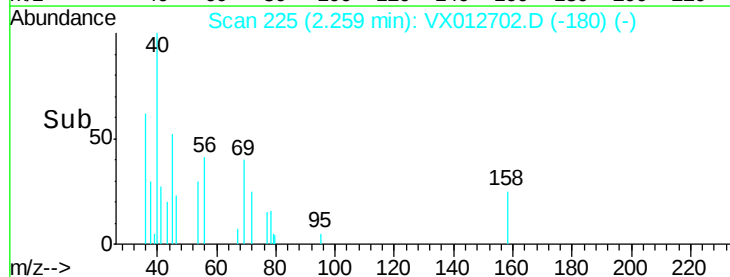
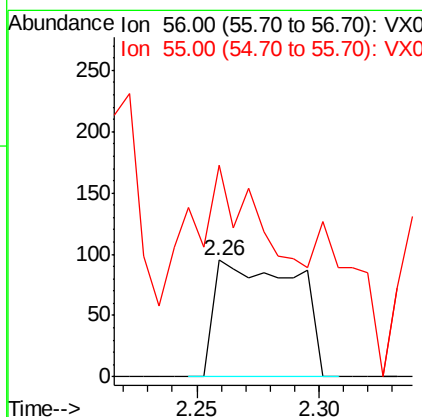
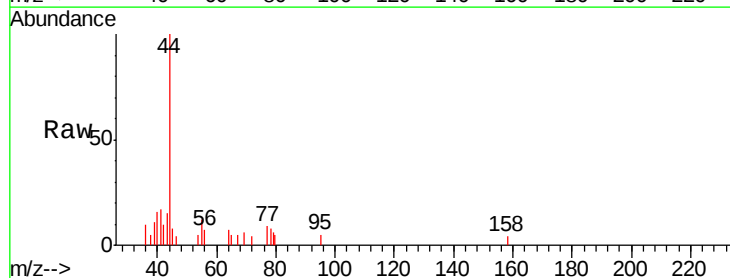
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20190925

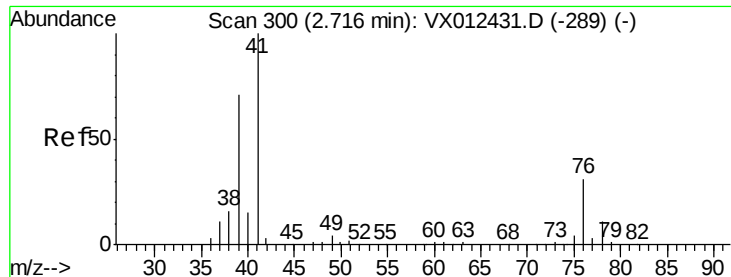
Tgt Ion: 59 Resp: 787
Ion Ratio Lower Upper
59 100
57 2.8 8.3 12.5#



#13
Acrolein
Concen: 10.849 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX012702.D
Acq: 30 Sep 2019 13:59

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 103.2 55.8 83.8#

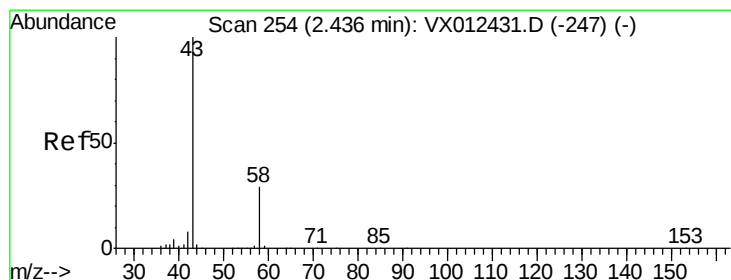
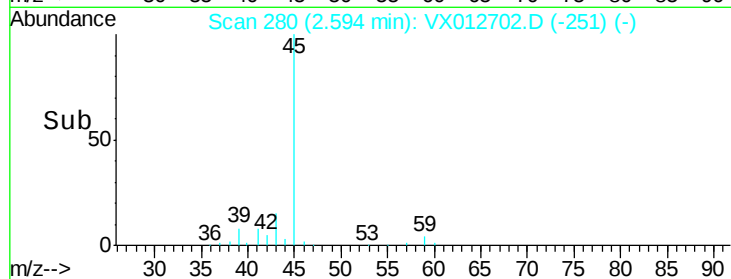
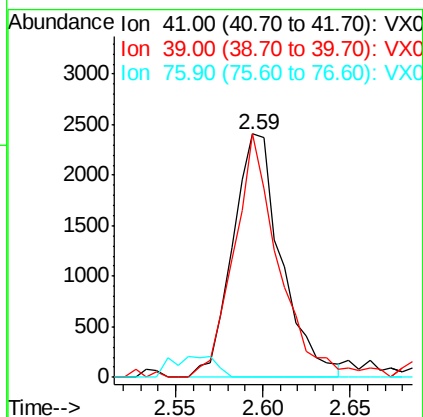
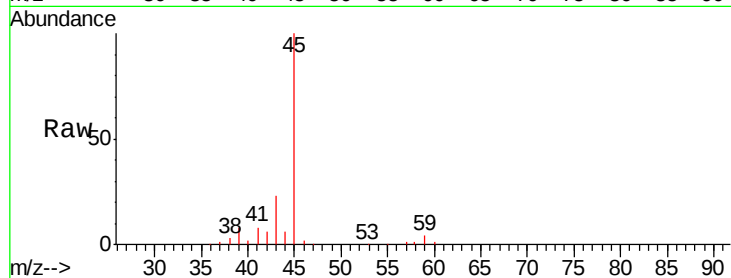




#14
 Allyl chloride
 Concen: 1.300 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

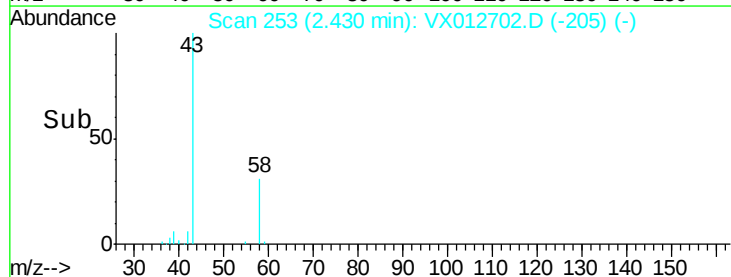
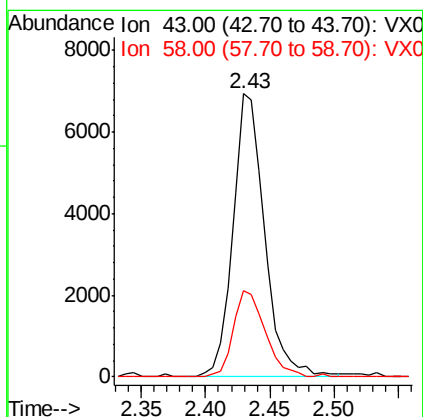
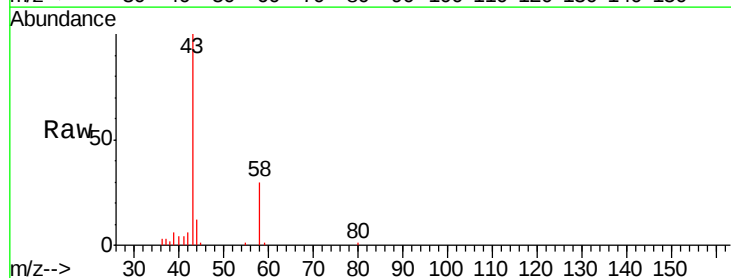
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1831-20190925

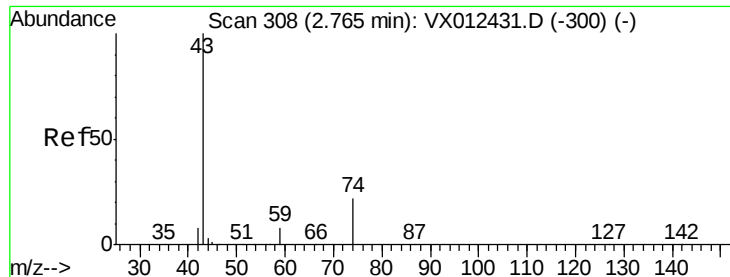
Tgt Ion: 41 Resp: 4662
 Ion Ratio Lower Upper
 41 100
 39 92.8 51.3 76.9#
 76 0.0 22.6 33.8#



#16
 Acetone
 Concen: 9.157 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

Tgt Ion: 43 Resp: 11875
 Ion Ratio Lower Upper
 43 100
 58 30.3 23.3 34.9

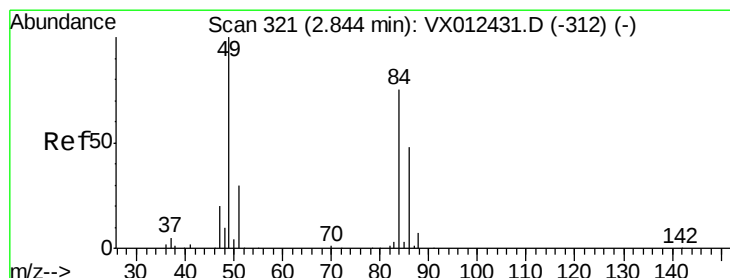
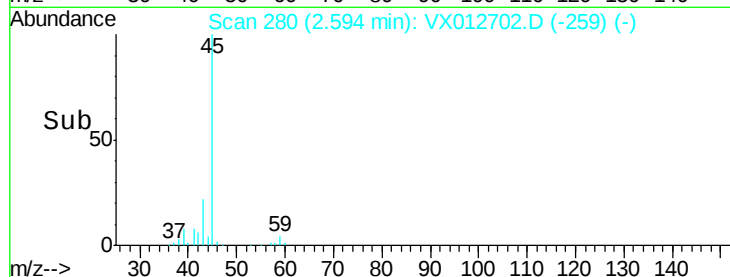
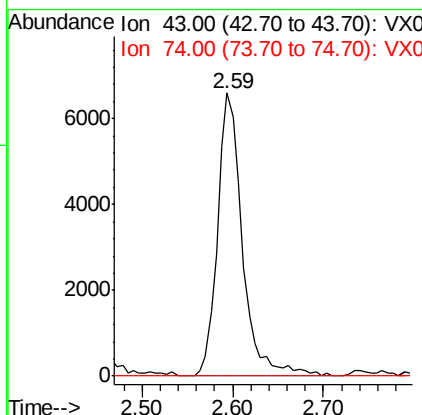
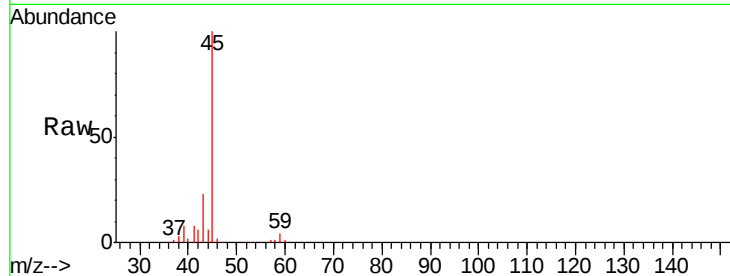




#18
Methyl Acetate
Concen: 4.142 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012702.D
Acq: 30 Sep 2019 13:59

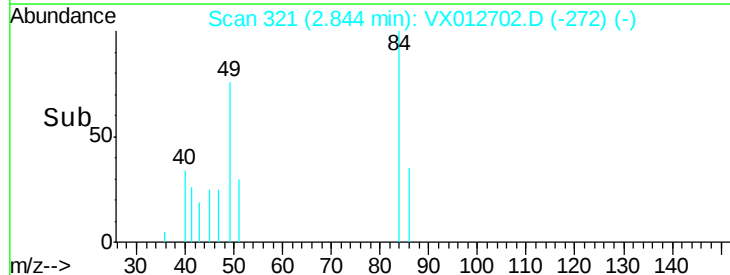
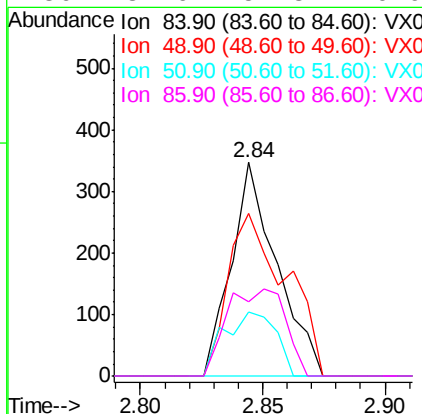
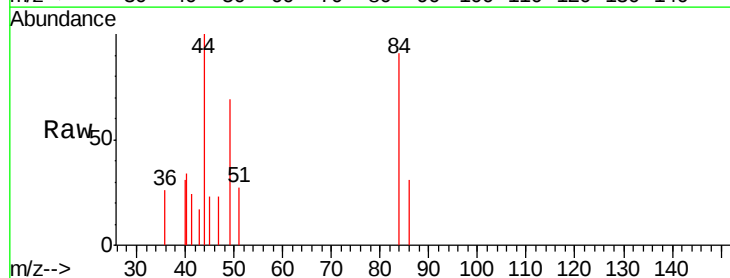
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ183I-20190925

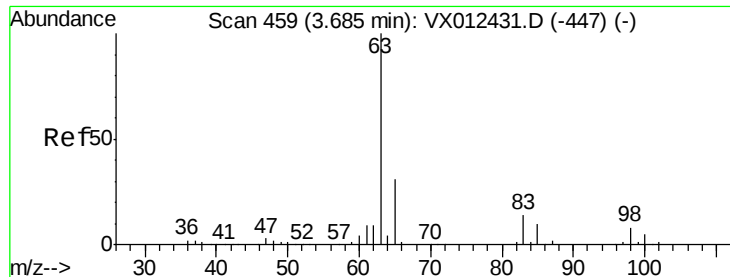
Tgt Ion: 43 Resp: 12648
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012702.D
Acq: 30 Sep 2019 13:59

Tgt Ion: 84 Resp: 449
Ion Ratio Lower Upper
84 100
49 76.1 106.8 160.2#
51 30.3 32.3 48.5#
86 34.6 51.3 76.9#

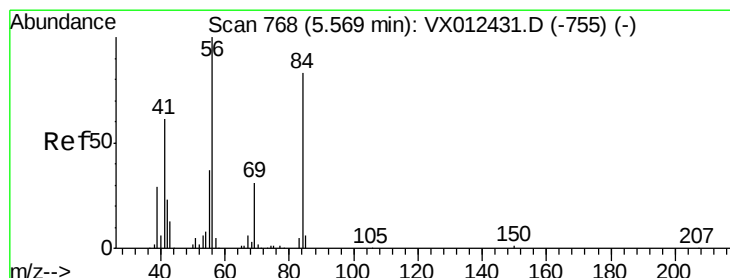
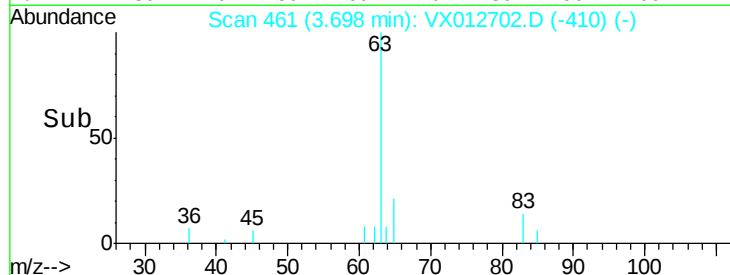
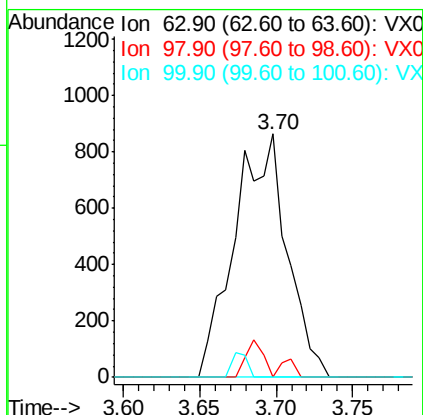
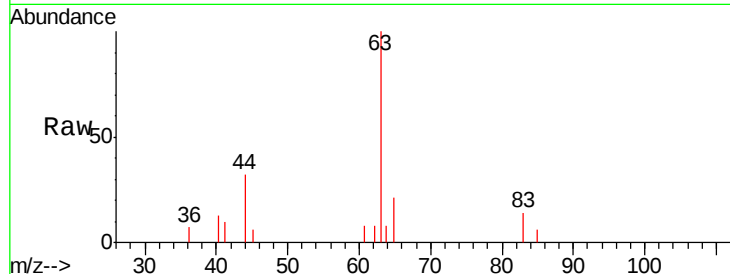




#24
 1,1-Dichloroethane
 Concen: 0.546 ug/l
 RT: 3.70 min Scan# 461
 Delta R.T. 0.01 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

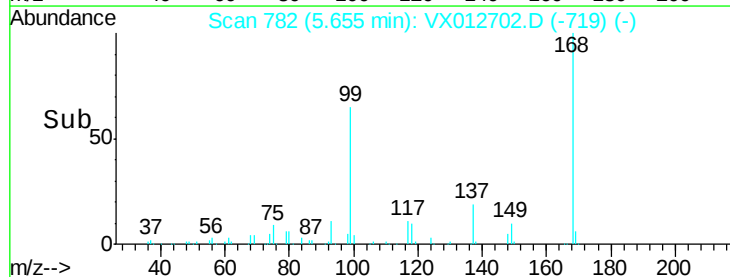
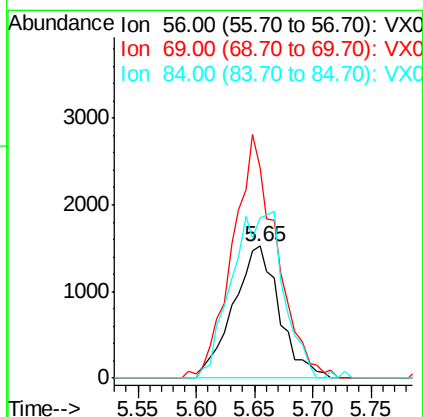
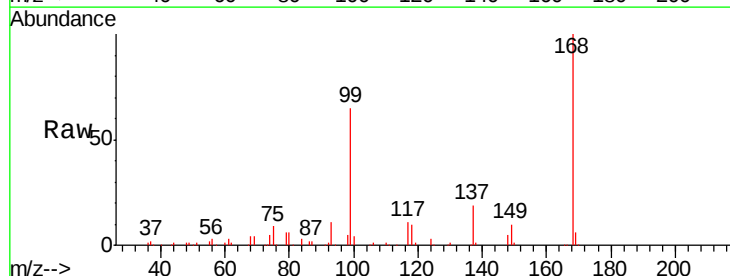
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1831-20190925

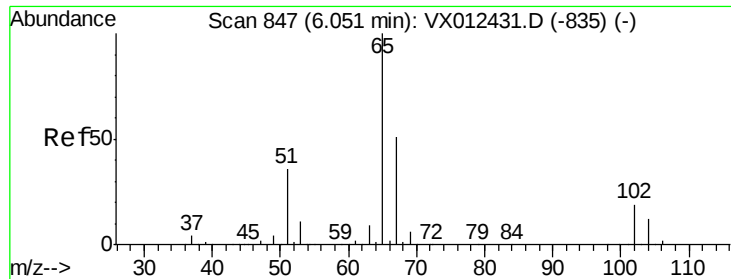
Tgt Ion:	63	Resp:	2057
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.7#
100	0.0	2.3	6.9#



#31
 Cyclohexane
 Concen: 1.235 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

Tgt Ion:	56	Resp:	4210
Ion	Ratio	Lower	Upper
56	100		
69	158.8	25.0	37.6#
84	121.8	66.4	99.6#

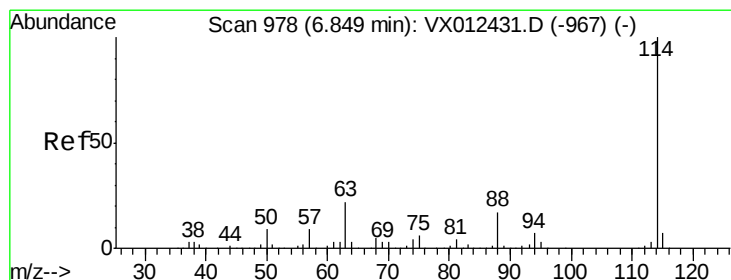
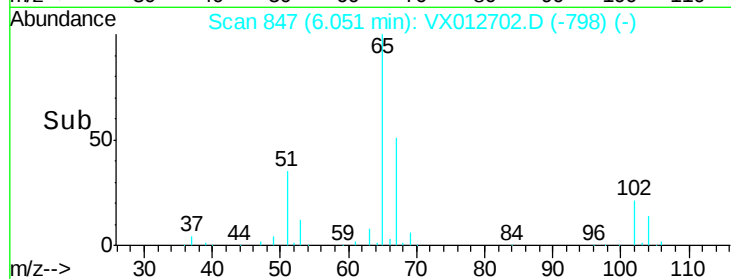
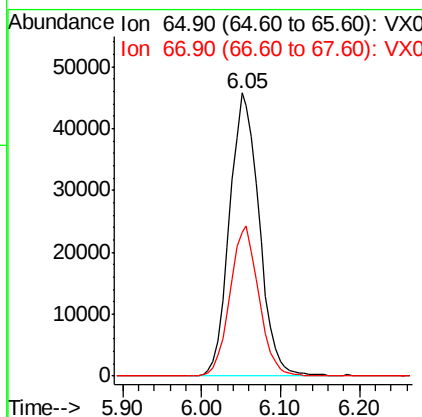
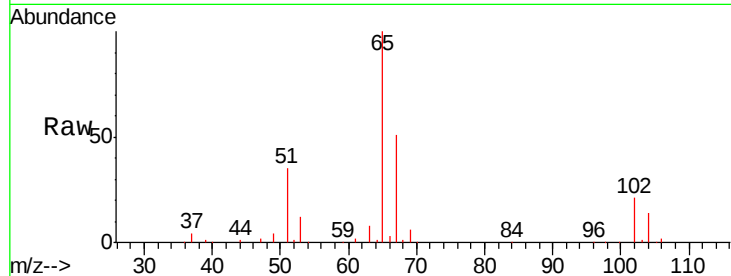




#33
 1,2-Dichloroethane-d4
 Concen: 48.795 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

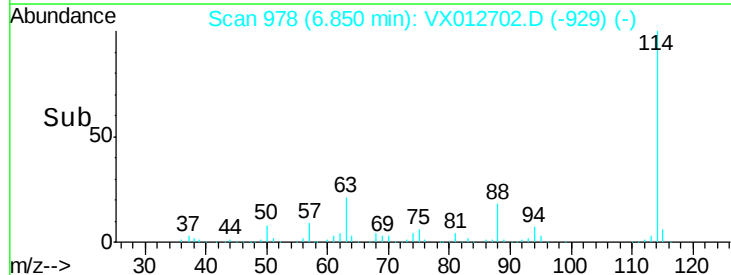
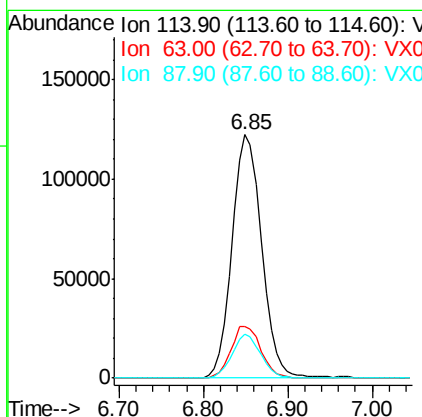
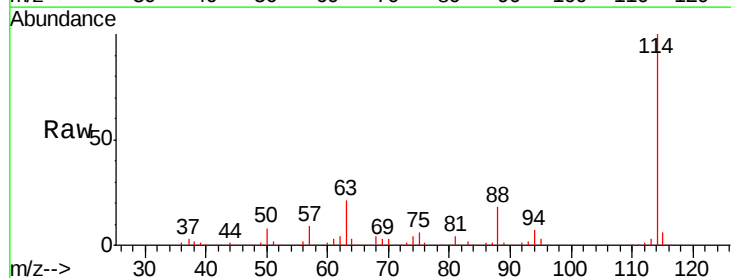
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ1831-20190925

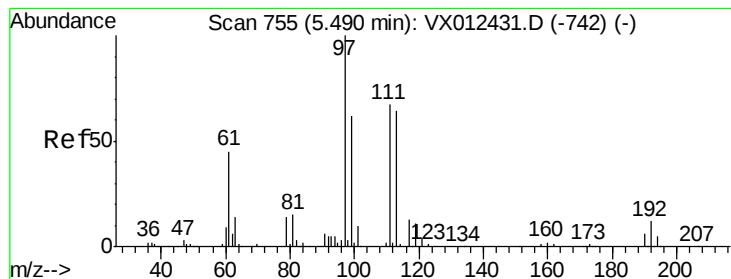
Tgt Ion: 65 Resp: 119470
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

Tgt Ion: 114 Resp: 291426
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 18.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.439 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

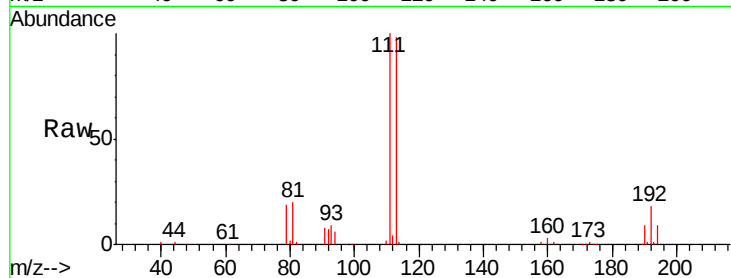
Tgt Ion:113 Resp: 87540

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.2

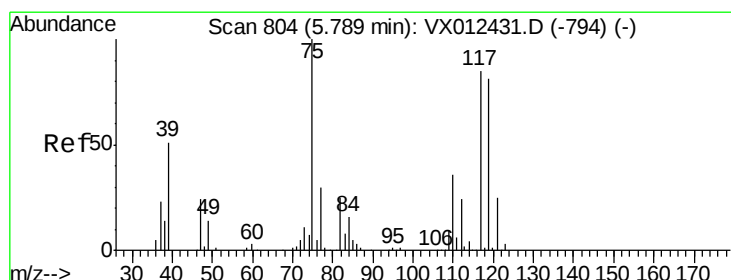
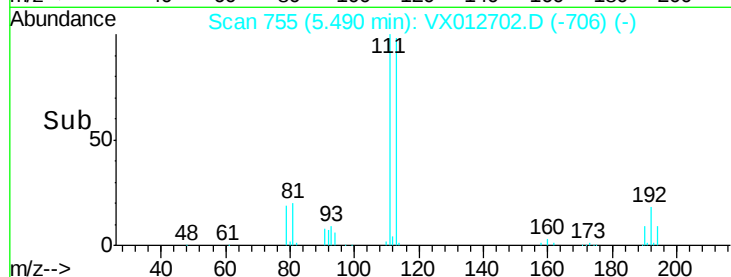
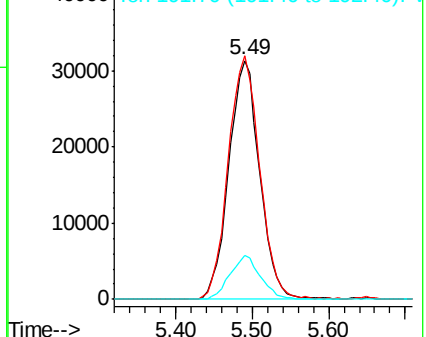
192 17.9 14.4 21.6



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: 5.220 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

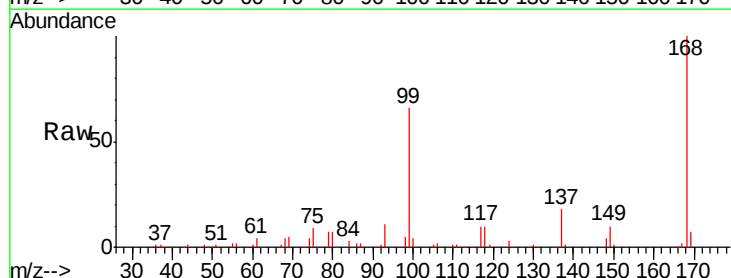
Tgt Ion: 75 Resp: 14664

Ion Ratio Lower Upper

75 100

110 10.4 16.7 50.0#

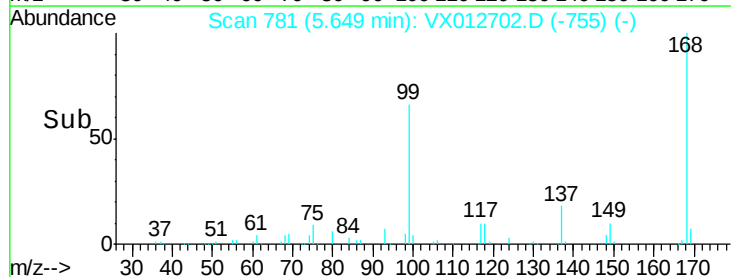
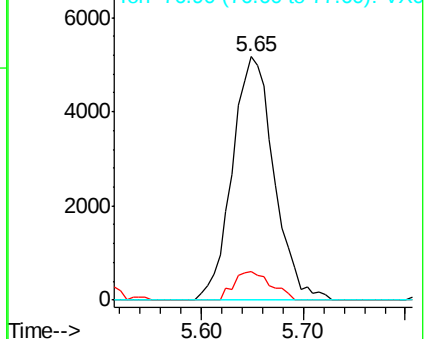
77 0.0 24.2 36.2#

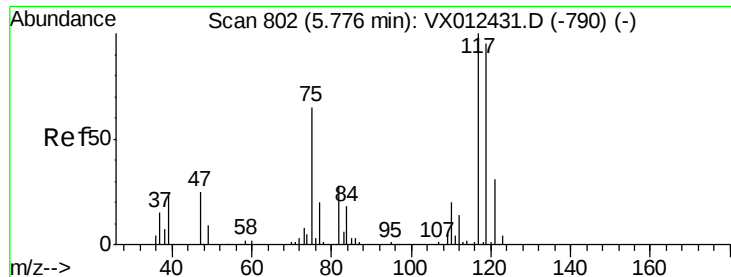


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

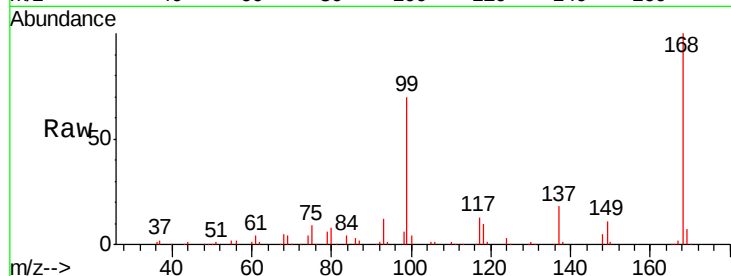
Tgt Ion:117 Resp: 18847

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

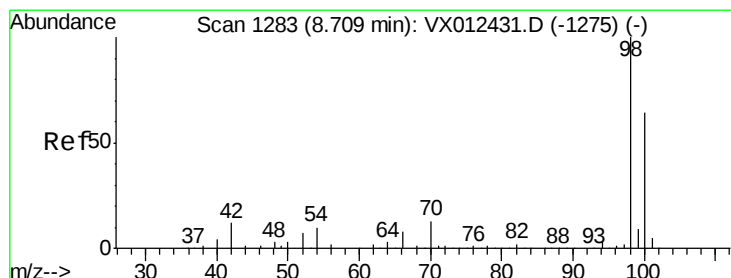
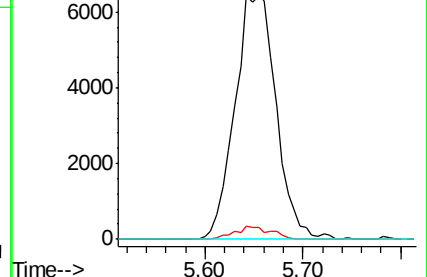
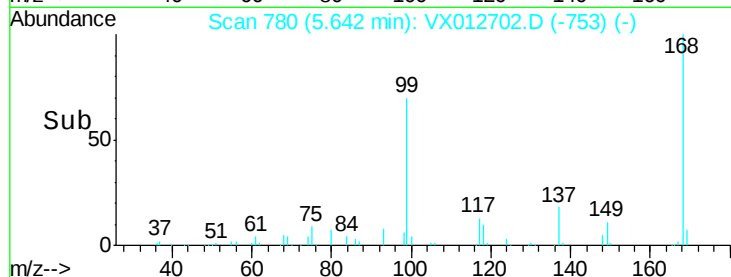
121 0.0 24.2 36.4#



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: 50.525 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012702.D

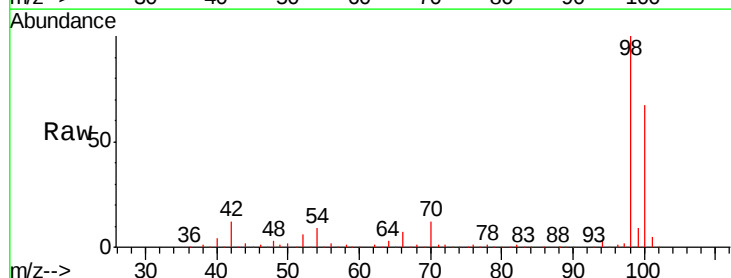
Acq: 30 Sep 2019 13:59

Tgt Ion: 98 Resp: 337698

Ion Ratio Lower Upper

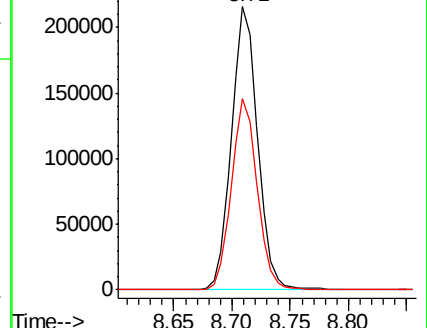
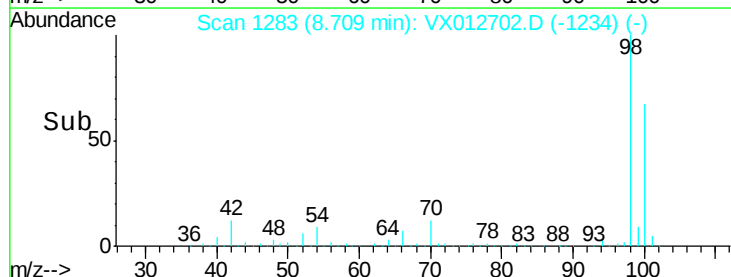
98 100

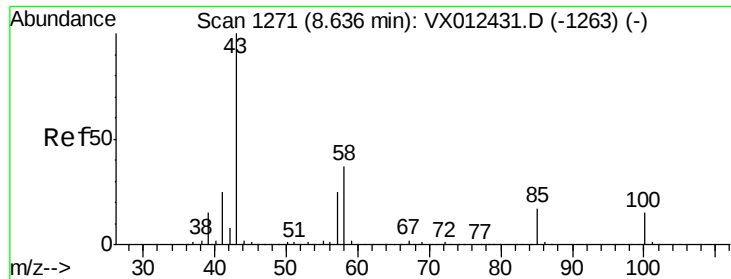
100 67.0 53.4 80.2



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: 0.439 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

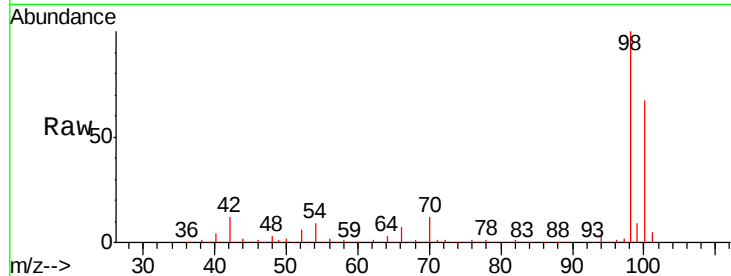
SA-PZ183I-20190925

Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

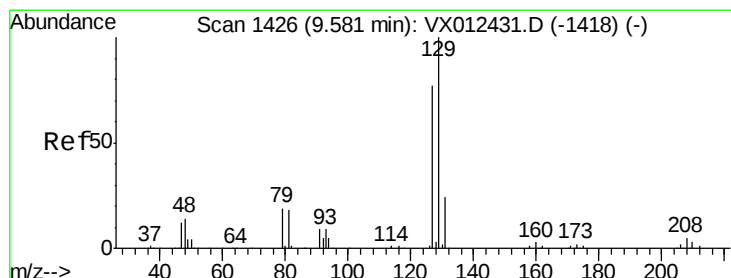
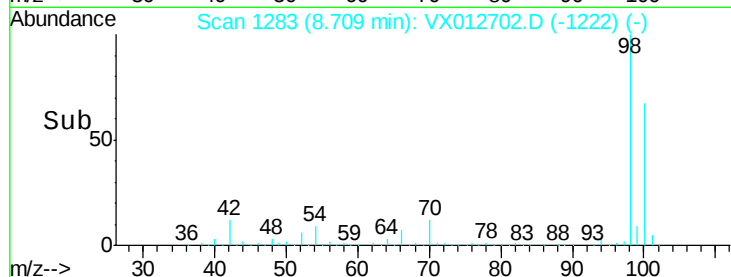
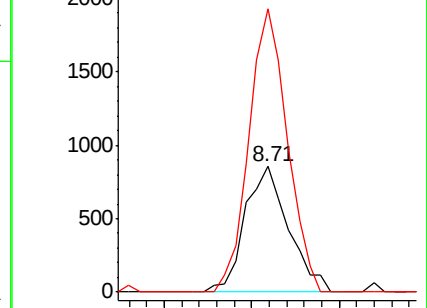
43 100

58 197.4 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 0.232 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012702.D

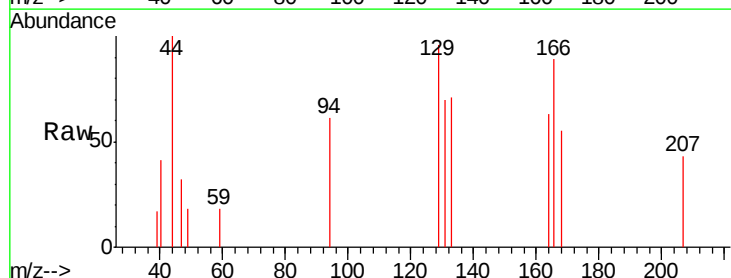
Acq: 30 Sep 2019 13:59

Tgt Ion: 129 Resp: 485

Ion Ratio Lower Upper

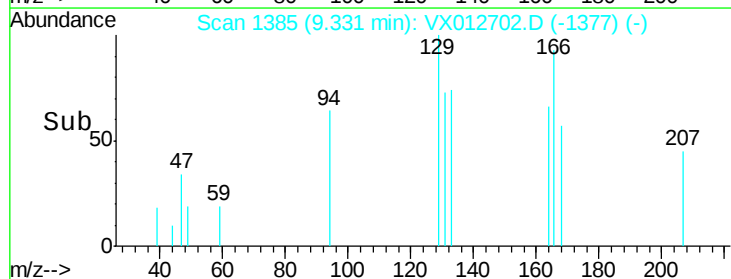
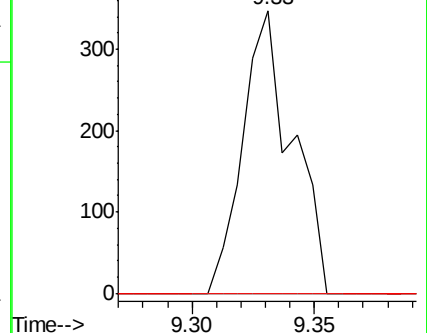
129 100

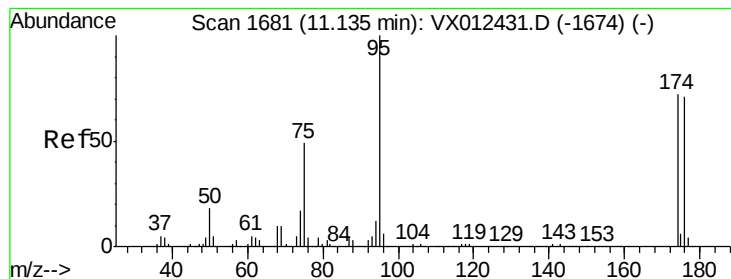
127 0.0 38.9 116.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 41.098 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

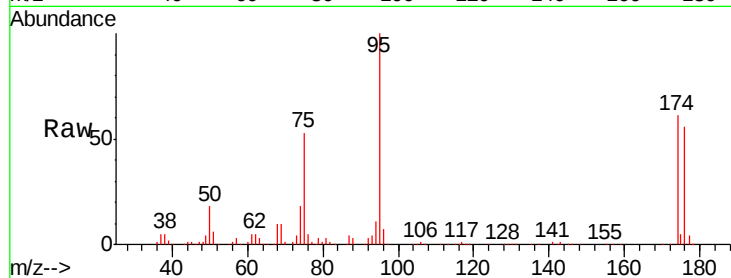
Tgt Ion: 95 Resp: 108008

Ion Ratio Lower Upper

95 100

174 68.1 0.0 140.0

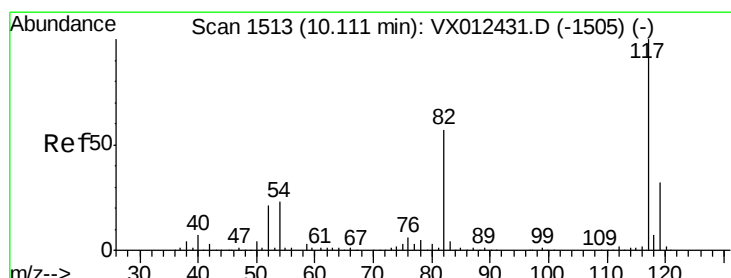
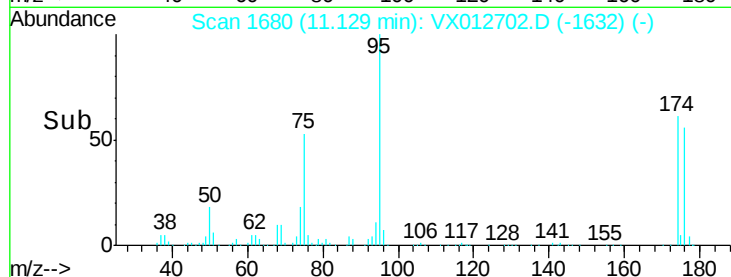
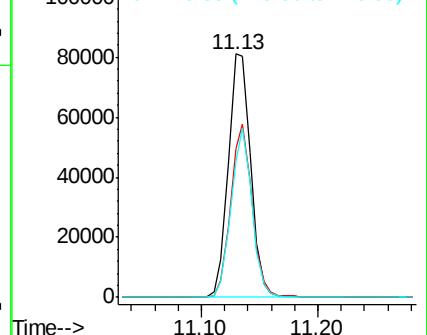
176 64.9 0.0 135.4



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: VX012702.D

Acq: 30 Sep 2019 13:59

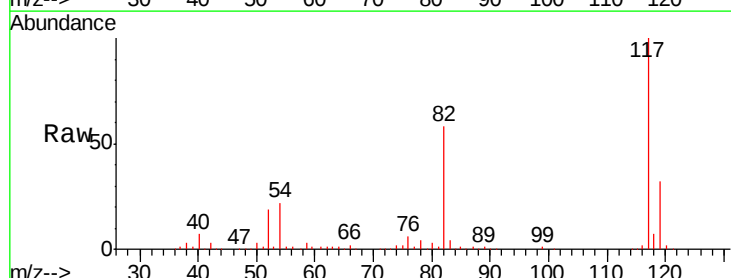
Tgt Ion: 117 Resp: 236509

Ion Ratio Lower Upper

117 100

82 57.6 45.9 68.9

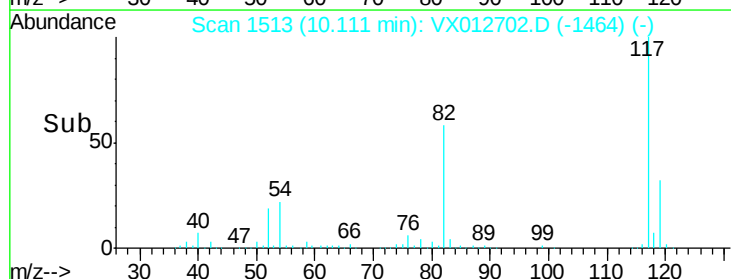
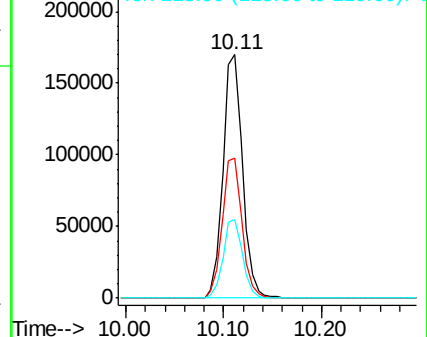
119 32.2 25.3 37.9

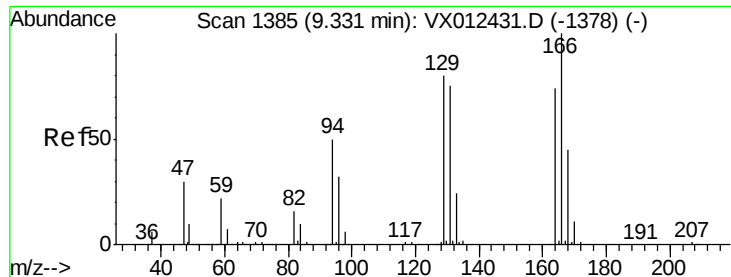


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.229 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ183I-20190925

Tgt Ion:164 Resp: 377

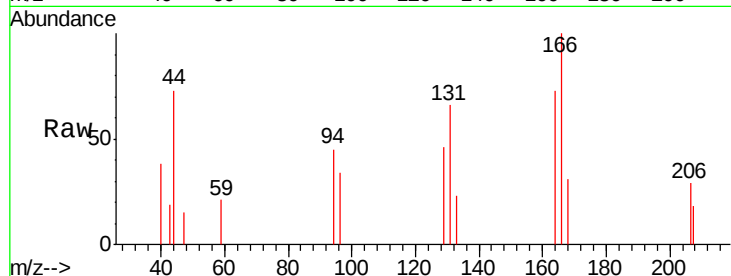
Ion Ratio Lower Upper

164 100

166 137.5 107.8 161.6

129 63.2 86.2 129.2#

131 90.8 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

500

400

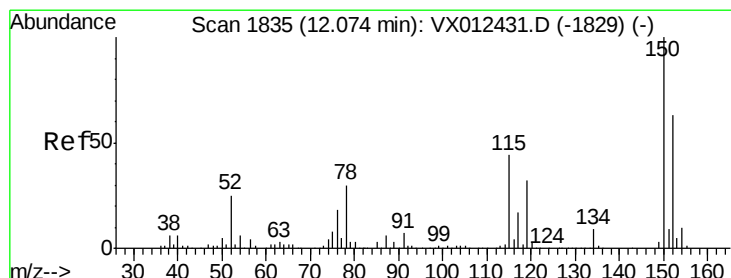
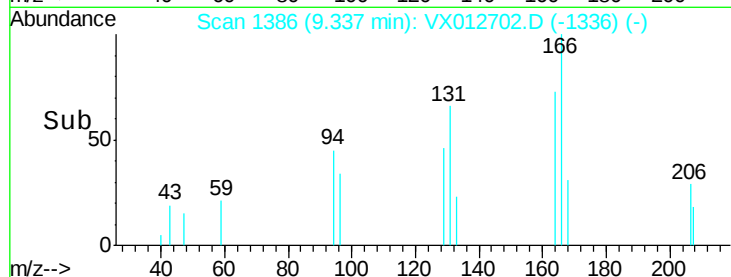
300

200

100

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012702.D

Acq: 30 Sep 2019 13:59

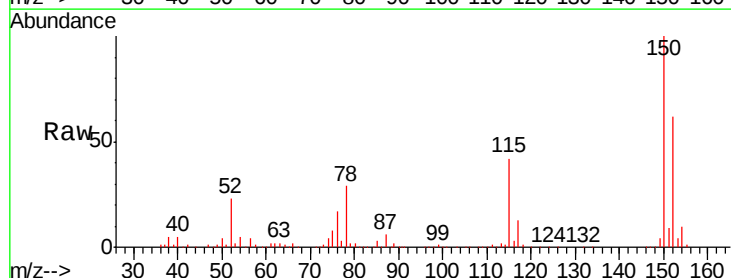
Tgt Ion:152 Resp: 82350

Ion Ratio Lower Upper

152 100

115 65.8 44.1 132.3

150 158.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

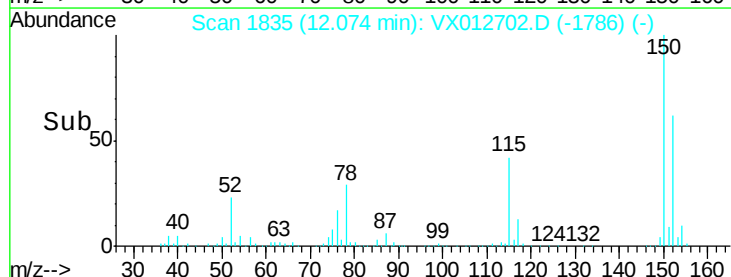
Ion 149.90 (149.60 to 150.60): V

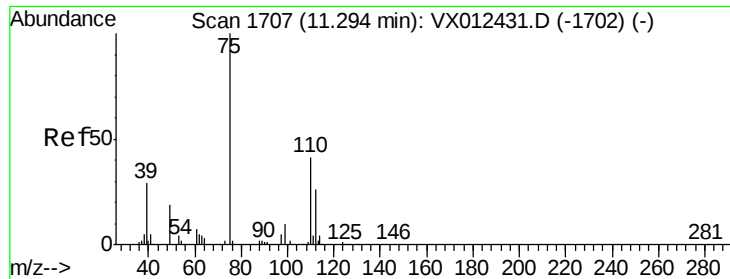
100000

50000

0

Time-->

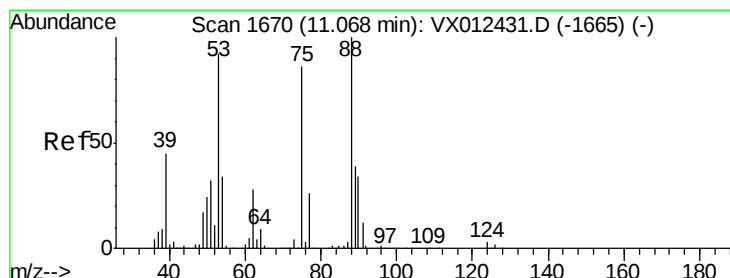
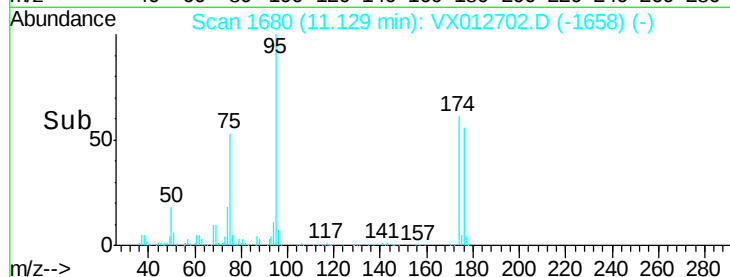
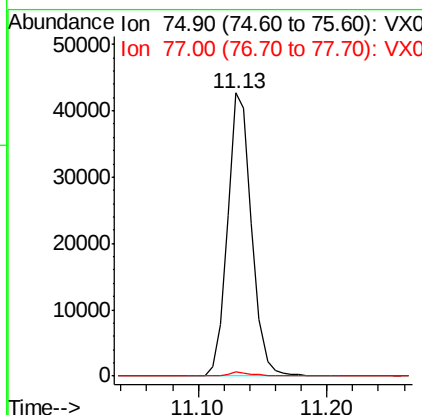
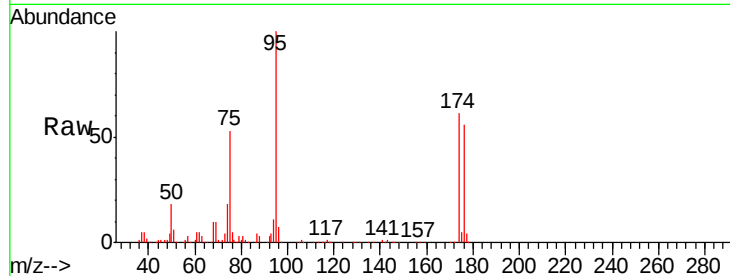




#76
 1,2,3-Trichloropropane
 Concen: 25.636 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ183I-20190925

Tgt Ion: 75 Resp: 55844
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.466 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012702.D
 Acq: 30 Sep 2019 13:59

Tgt Ion: 75 Resp: 55844
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.1 36.3 54.5#

