

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012731.D
 Acq On : 01 Oct 2019 14:27
 Operator : JC/SP
 Sample : K5082-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:46:30 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	161823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280193	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113920	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	5.49	113	83487	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.71	98	330108	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.14	95	110830	43.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.72%	

Target Compounds

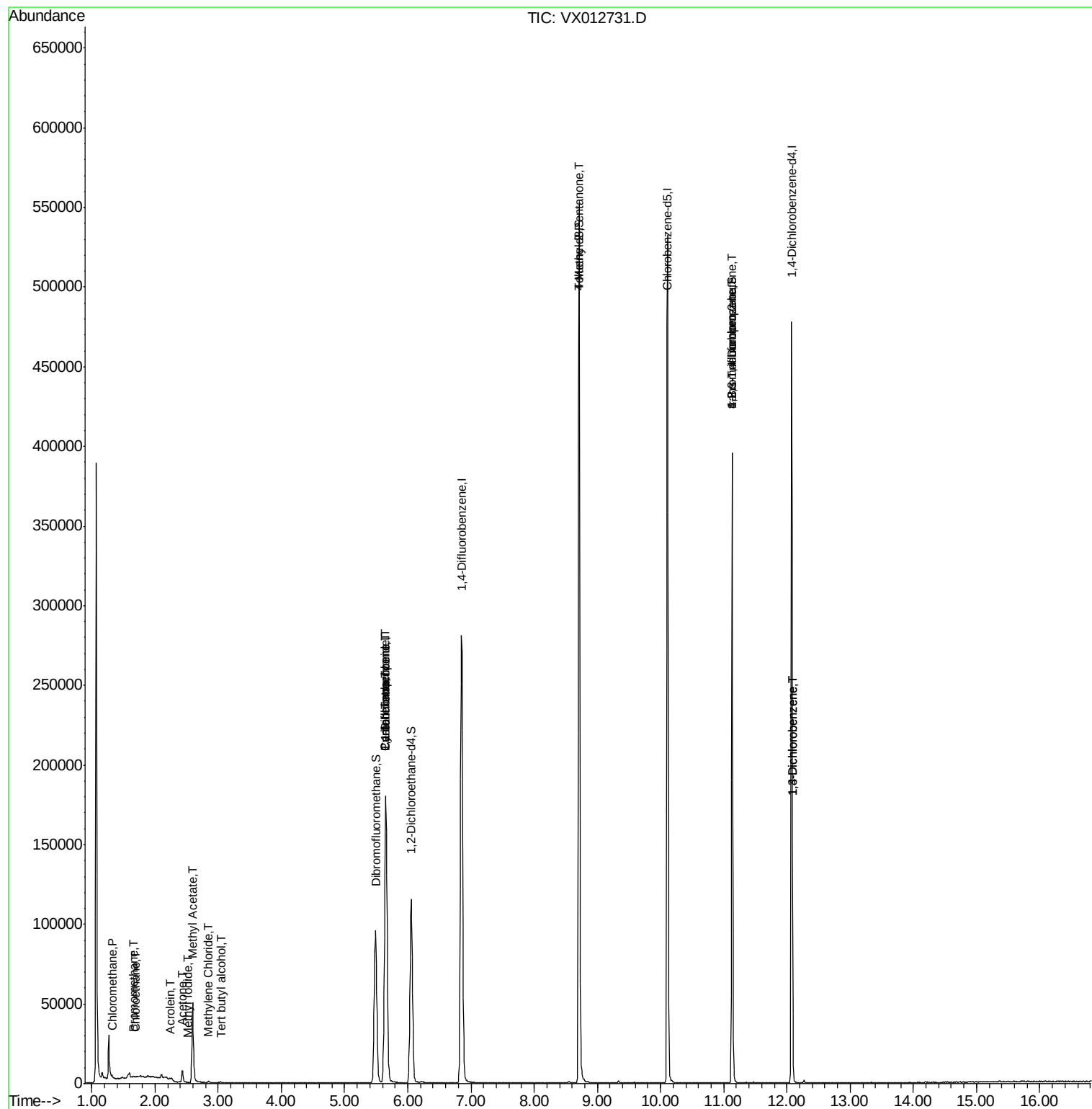
						Qvalue
3) Chloromethane	1.32	50	915	0.438	ug/l	97
5) Bromomethane	1.65	94	294	0.360	ug/l	95
6) Chloroethane	1.69	64	374	0.267	ug/l #	45
10) Methyl Iodide	2.51	142	75	4.989	ug/l #	35
11) Tert butyl alcohol	3.04	59	240	0.408	ug/l #	72
13) Acrolein	2.24	56	19	10.288	ug/l #	1
16) Acetone	2.44	43	8407	6.735	ug/l	91
18) Methyl Acetate	2.59	43	13172	4.482	ug/l #	54
20) Methylene Chloride	2.85	84	451	0.214	ug/l #	66
31) Cyclohexane	5.65	56	3614	1.102	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13483	4.992	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17774	6.479	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1428	0.438	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56619	22.865	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56619	65.525	ug/l #	8
87) 1,3-Dichlorobenzene	12.09	146	735	0.237	ug/l #	1
88) 1,4-Dichlorobenzene	12.09	146	735	0.234	ug/l #	1

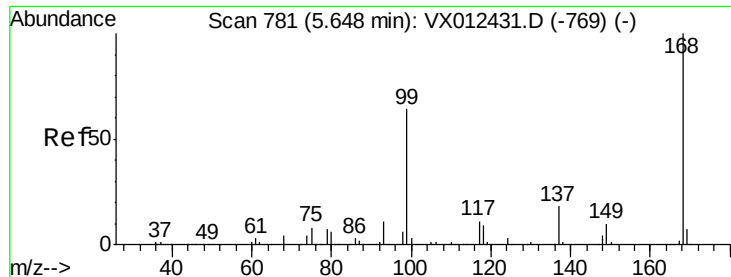
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Oct 02 01:46:30 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

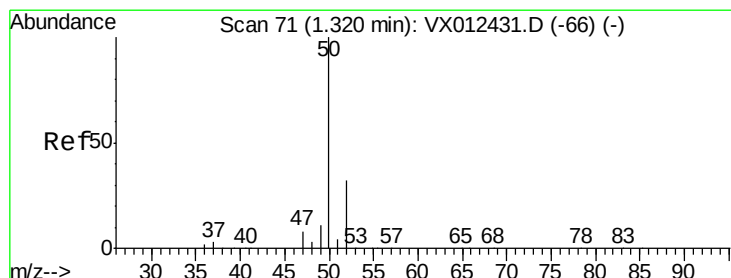
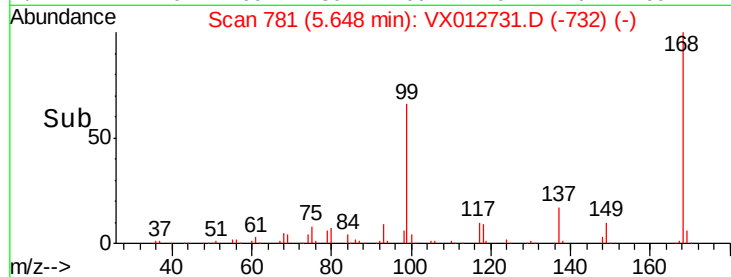
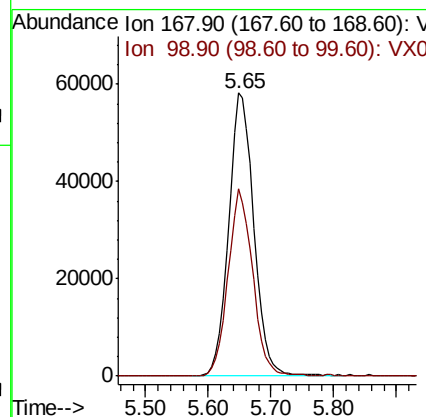
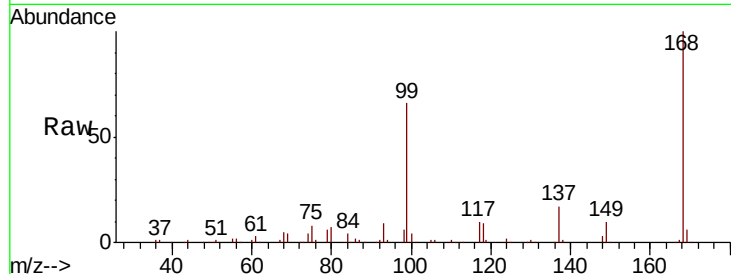




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

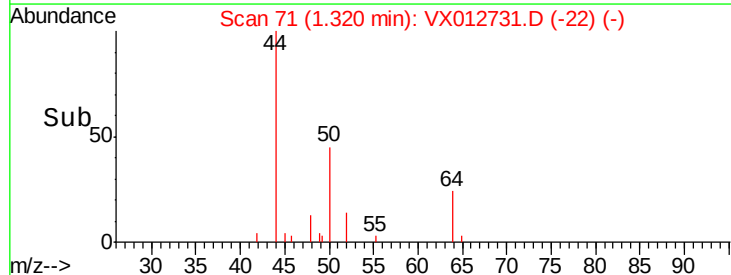
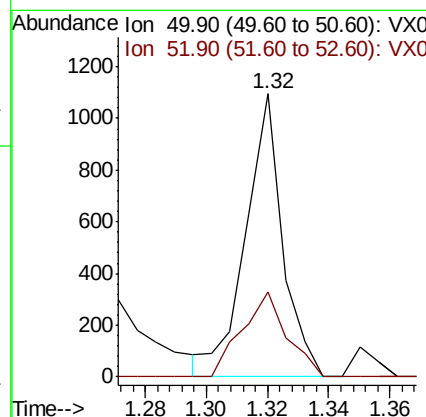
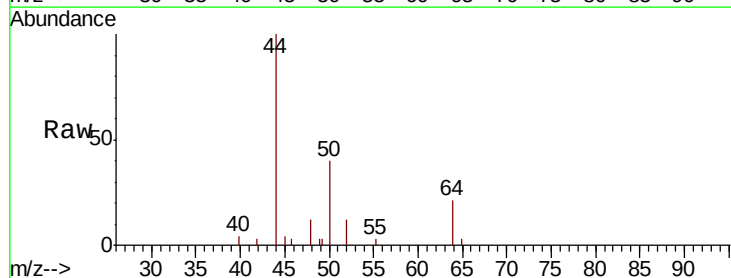
Instrument :
MSVOA_X
ClientSampleId :

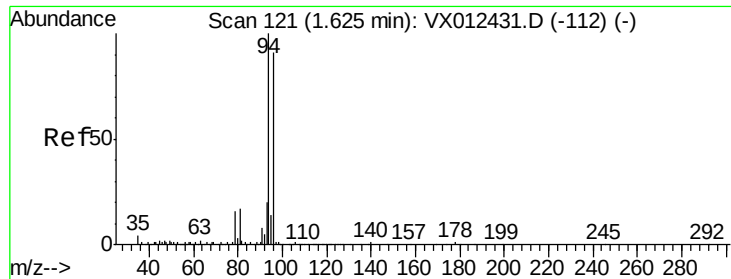
Tot Ion:168 Resp: 161823
Ion Ratio Lower Upper
168 100
99 66.1 51.4 77.2



#3
Chloromethane
Concen: 0.438 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 50 Resp: 915
Ion Ratio Lower Upper
50 100
52 30.2 25.7 38.5





#5

Bromomethane

Concen: 0.360 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012731.D

Acq: 01 Oct 2019 14:27

Instrument :

MSVOA_X

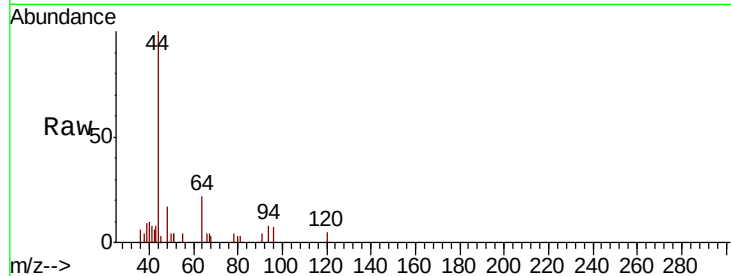
ClientSampleId :

Tot Ion: 94 Resp: 294

Ion Ratio Lower Upper

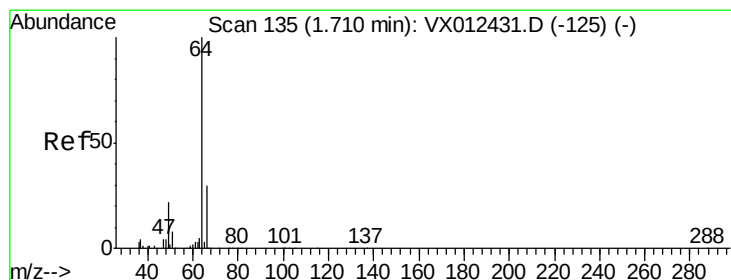
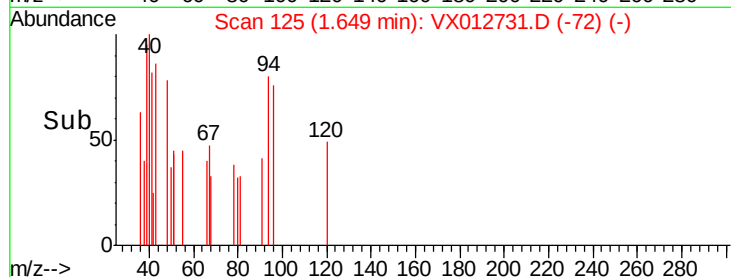
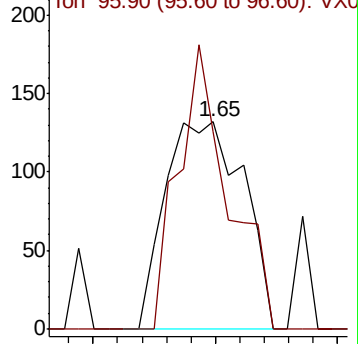
94 100

96 95.5 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: 0.267 ug/l

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX012731.D

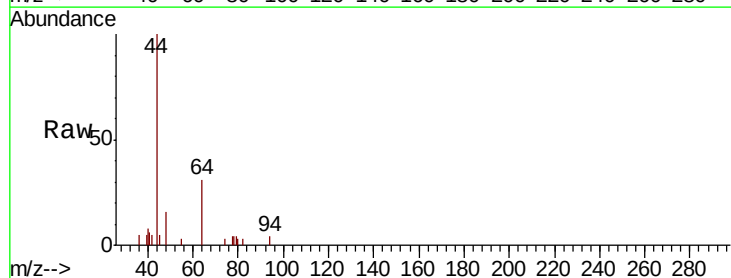
Acq: 01 Oct 2019 14:27

Tgt Ion: 64 Resp: 374

Ion Ratio Lower Upper

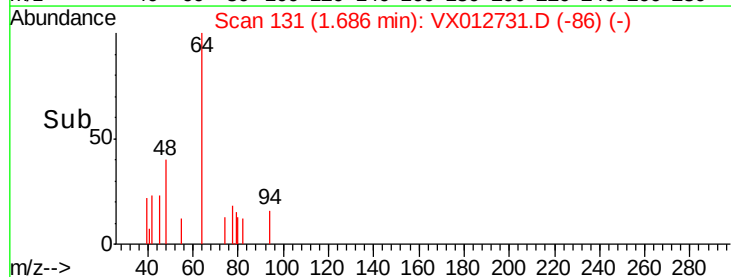
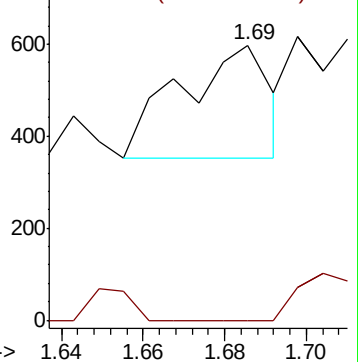
64 100

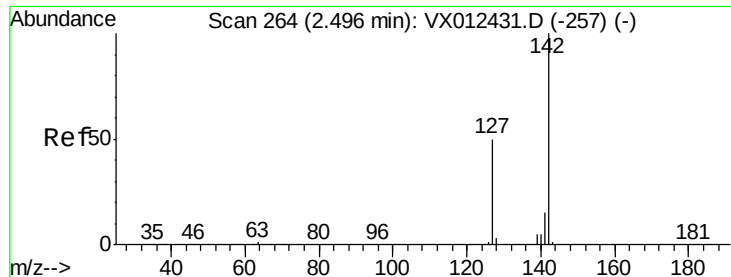
66 0.0 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

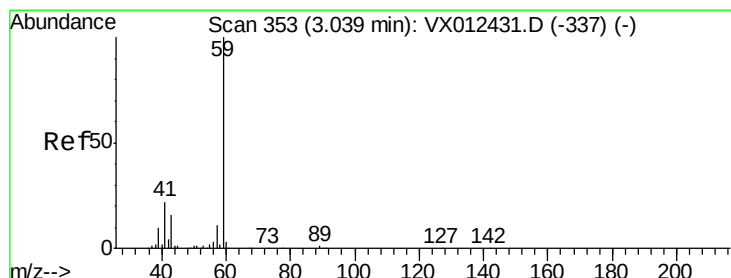
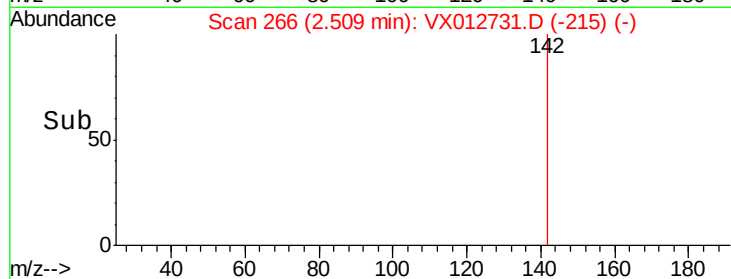
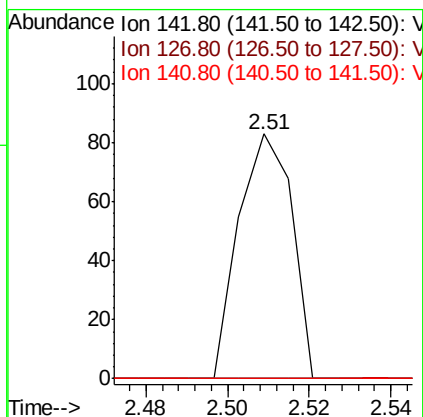
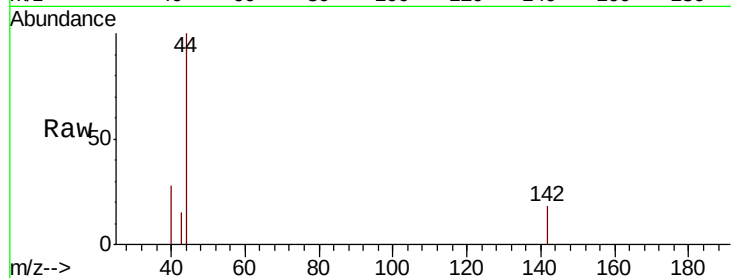




#10
Methvl Iodide
Concen: 4.989 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

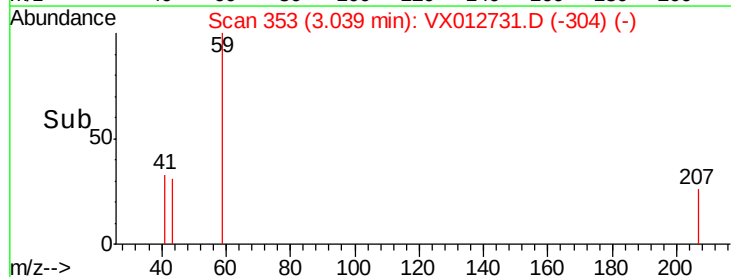
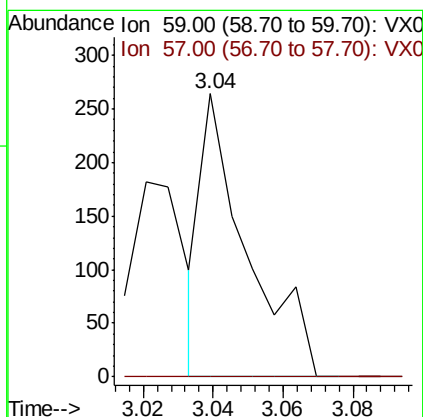
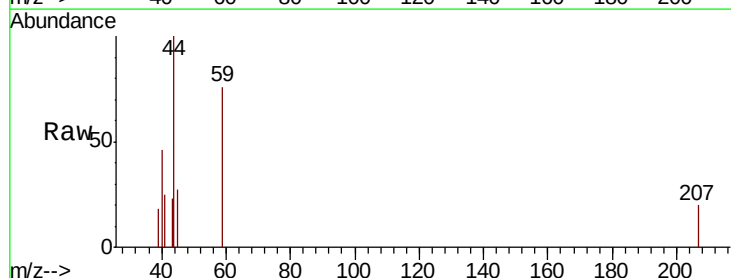
Instrument :
MSVOA_X
ClientSampled :

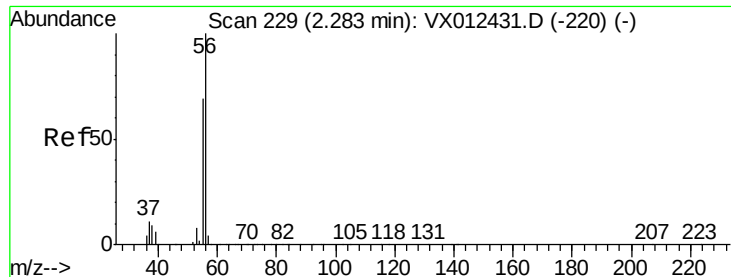
Tot Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
127 0.0 40.8 61.2#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 59 Resp: 240
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.288 ug/l

RT: 2.24 min Scan# 222

Delta R.T. -0.04 min

Lab File: VX012731.D

Acq: 01 Oct 2019 14:27

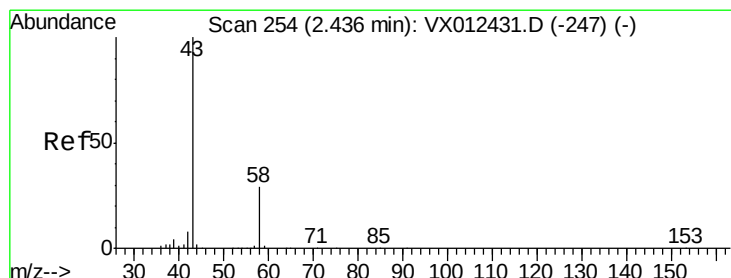
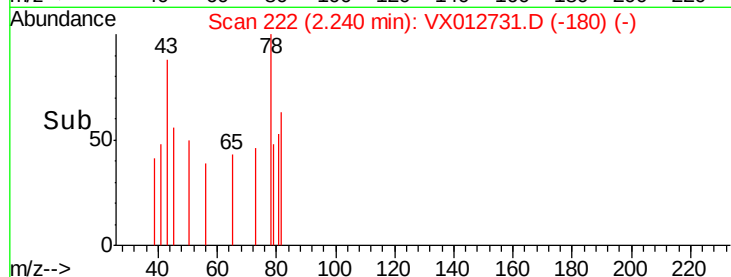
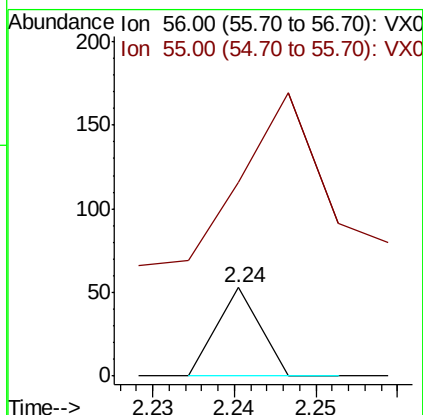
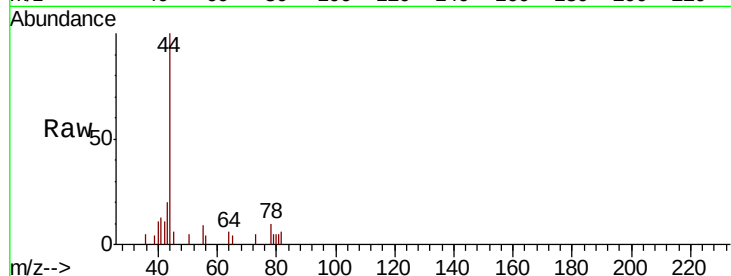
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 994.7 55.8 83.8#



#16

Acetone

Concen: 6.735 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012731.D

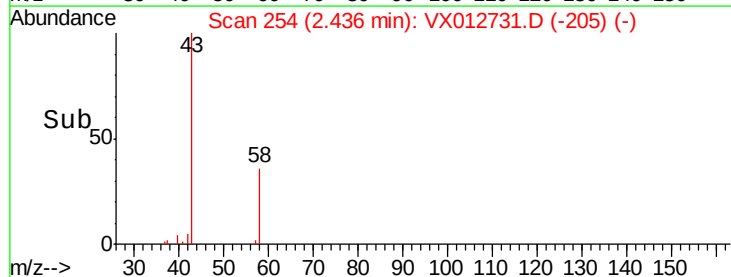
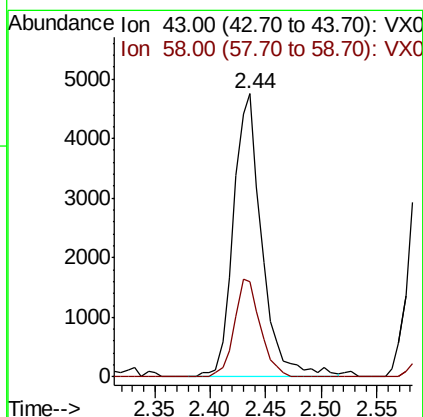
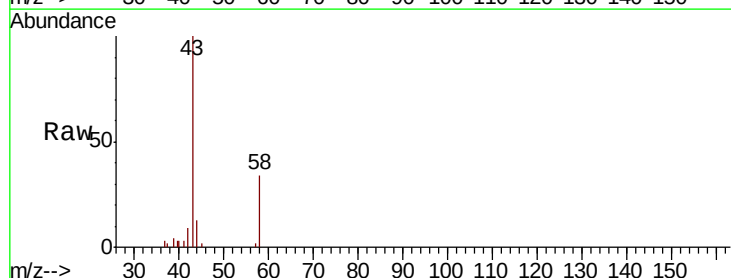
Acq: 01 Oct 2019 14:27

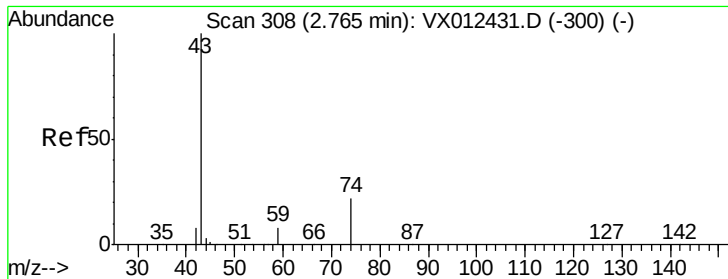
Tgt Ion: 43 Resp: 8407

Ion Ratio Lower Upper

43 100

58 33.8 23.3 34.9

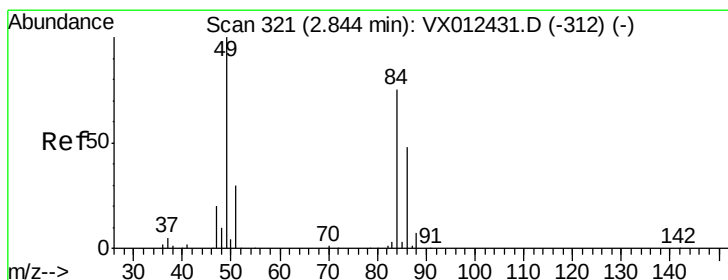
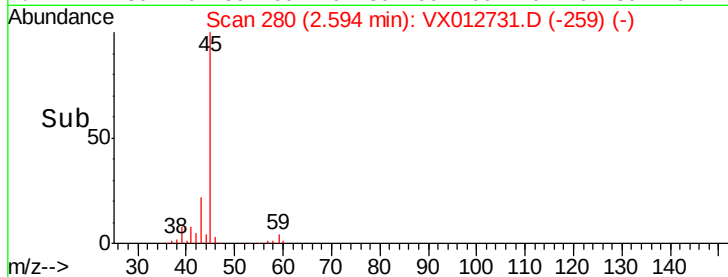
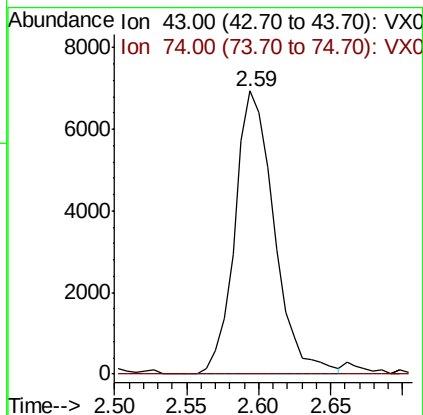
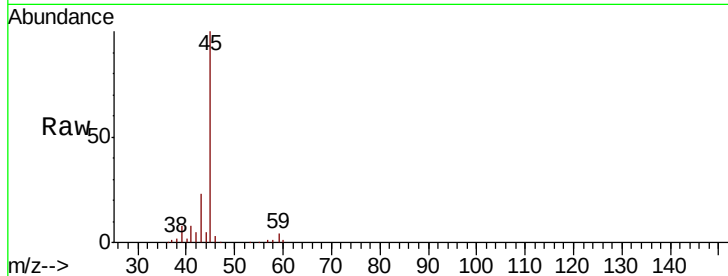




#18
Methvl Acetate
Concen: 4.482 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

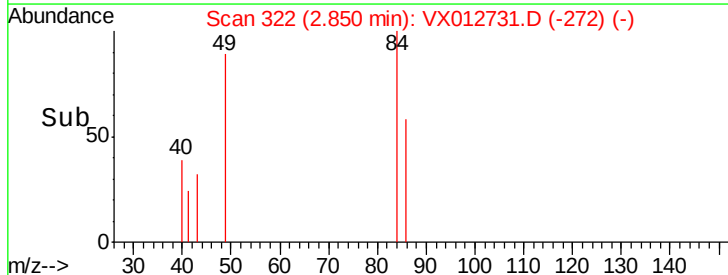
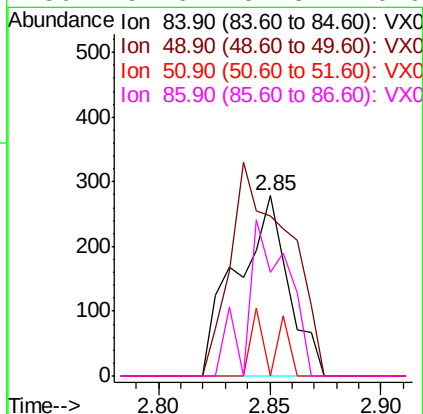
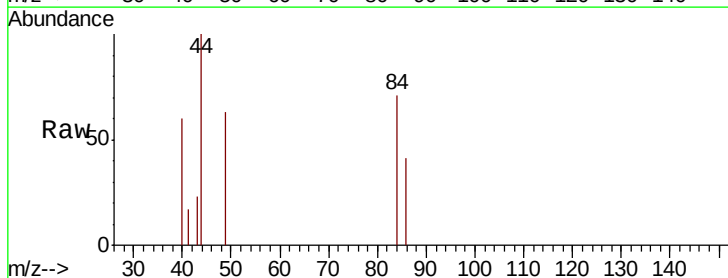
Instrument :
MSVOA_X
ClientSampleId :

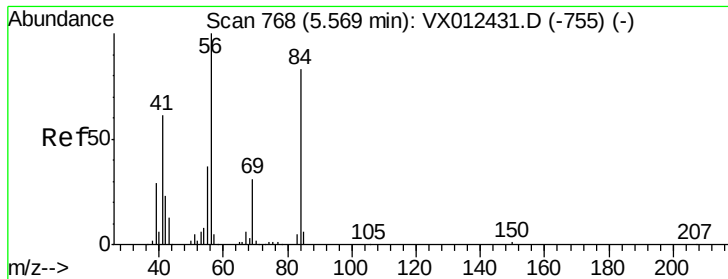
Tot Ion: 43 Resp: 13172
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 84 Resp: 451
Ion Ratio Lower Upper
84 100
49 88.8 106.8 160.2#
51 0.0 32.3 48.5#
86 57.6 51.3 76.9

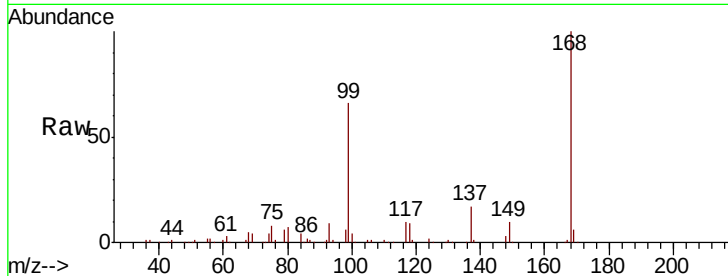




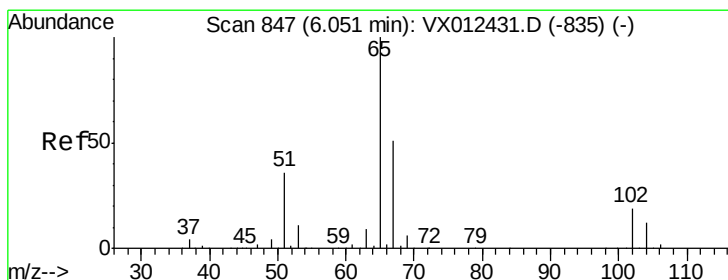
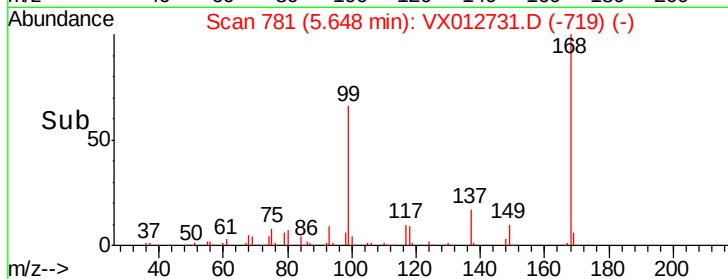
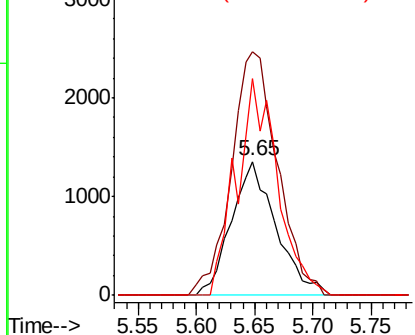
#31
Cyclohexane
Concen: 1.102 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 3614
Ion Ratio Lower Upper
56 100
69 182.2 25.0 37.6#
84 161.9 66.4 99.6#

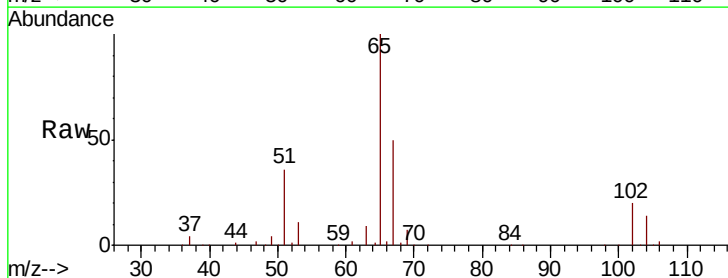


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

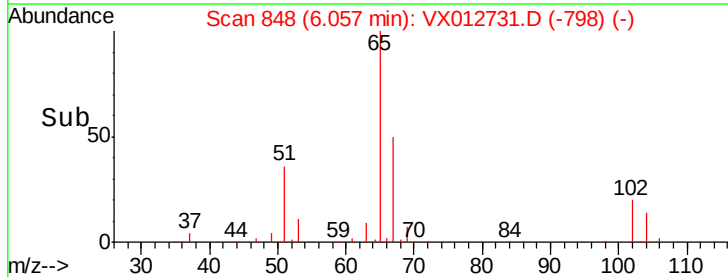
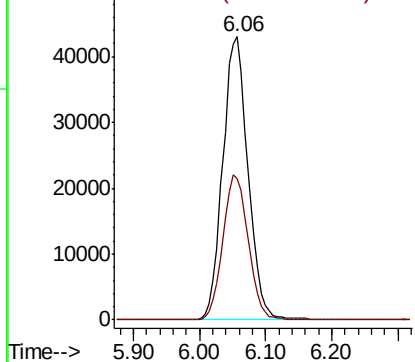


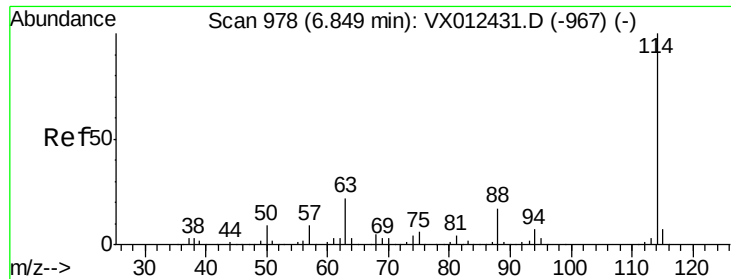
#33
1,2-Dichloroethane-d4
Concen: 48.344 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 65 Resp: 113920
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

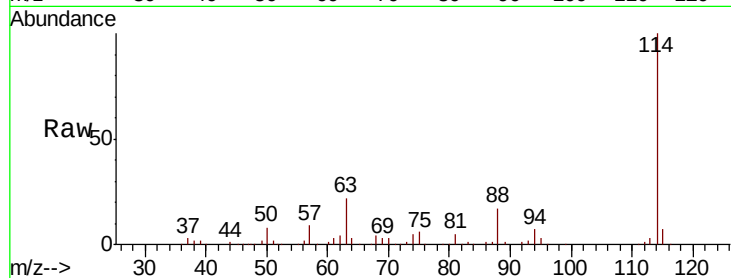




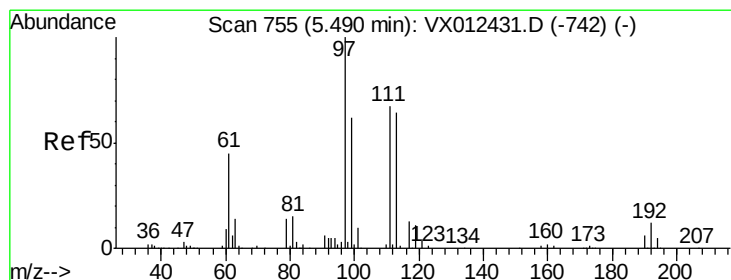
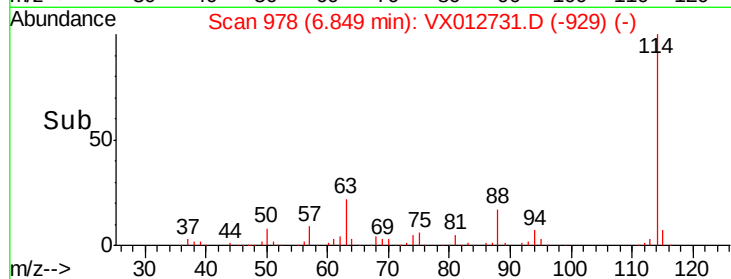
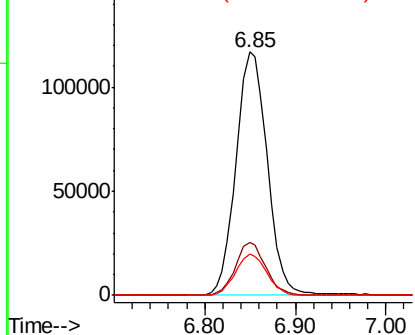
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 280193
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.2
88 17.2 0.0 33.2

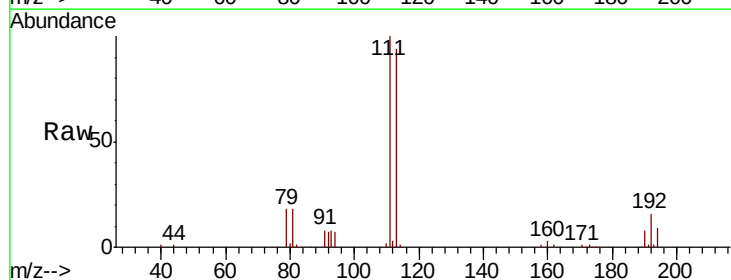


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

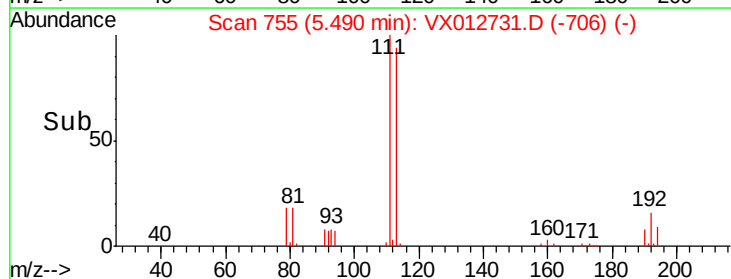
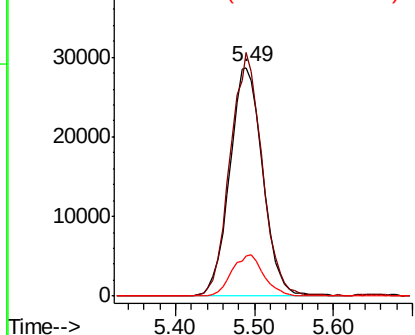


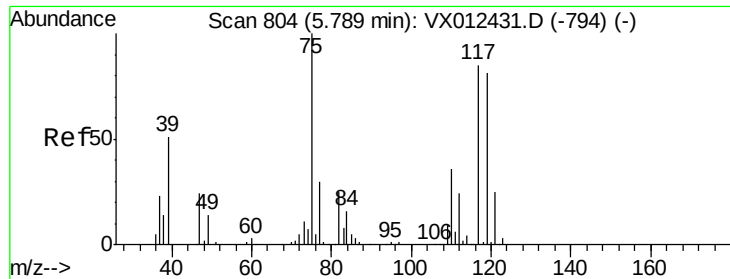
#35
Dibromofluoromethane
Concen: 50.032 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion:113 Resp: 83487
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 17.6 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

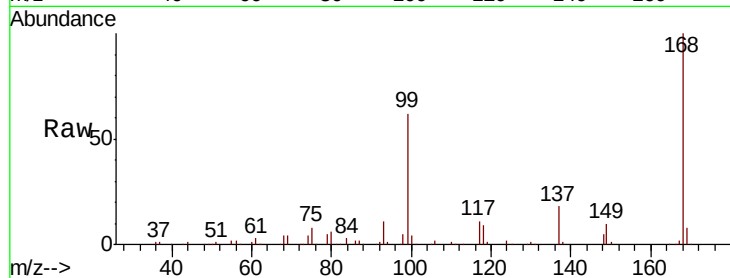




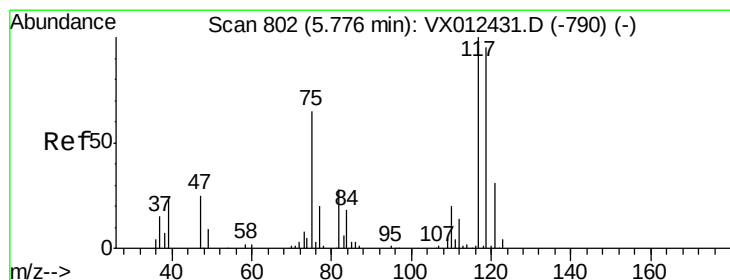
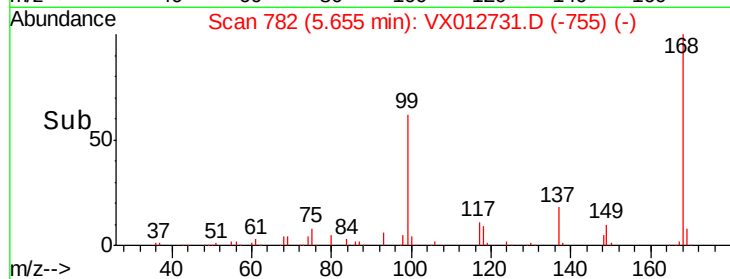
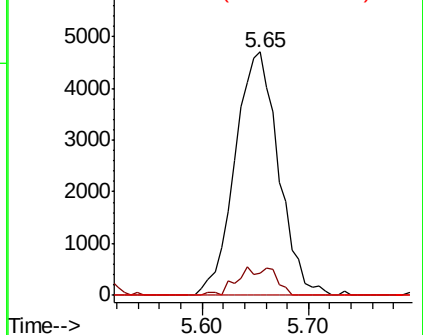
#36
 1,1-Dichloropropene
 Concen: 4.992 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012731.D
 Acq: 01 Oct 2019 14:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 13483
 Ion Ratio Lower Upper
 75 100
 110 5.2 16.7 50.0#
 77 0.0 24.2 36.2#

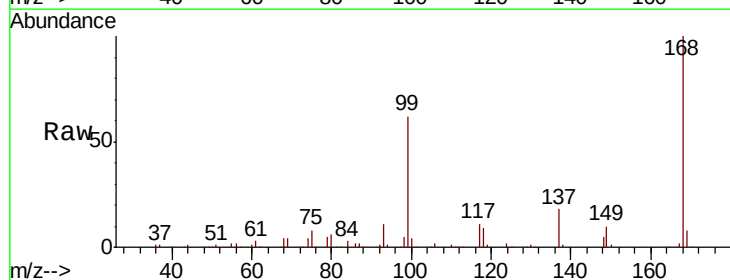


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

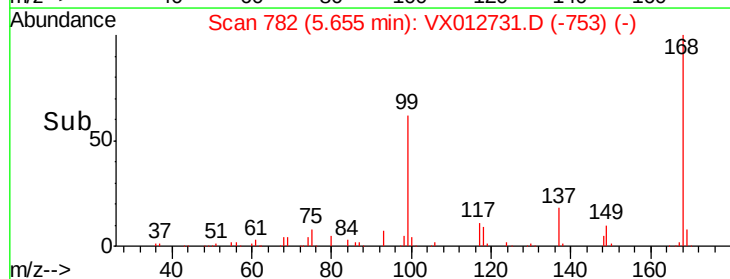
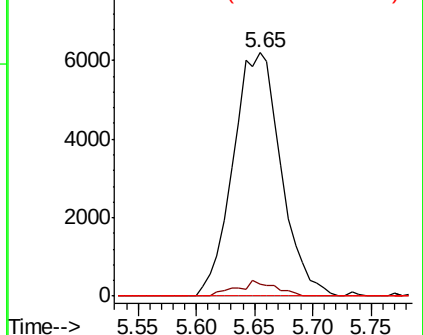


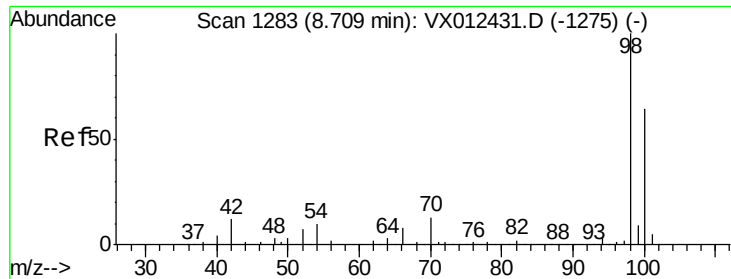
#38
 Carbon Tetrachloride
 Concen: 6.479 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012731.D
 Acq: 01 Oct 2019 14:27

Tgt Ion: 117 Resp: 17774
 Ion Ratio Lower Upper
 117 100
 119 5.1 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

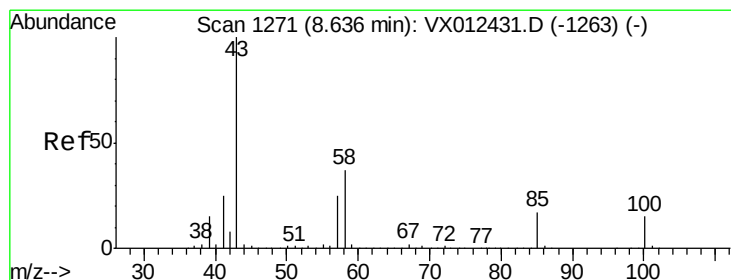
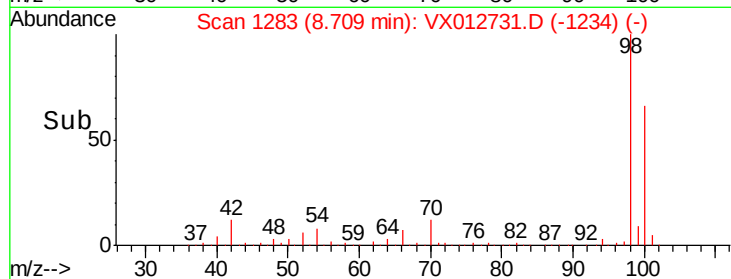
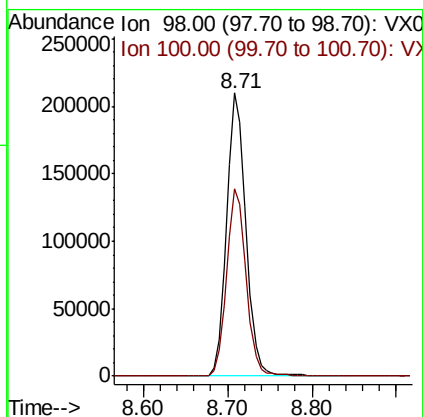
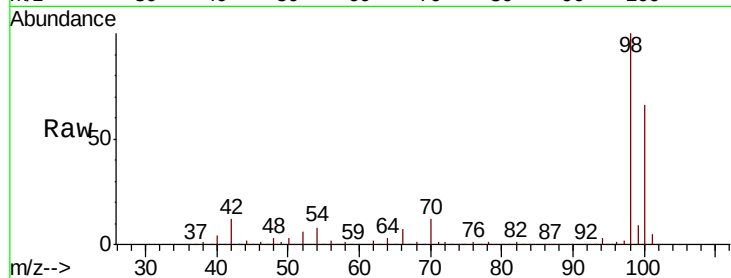




#50
Toluene-d8
Concen: 51.369 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

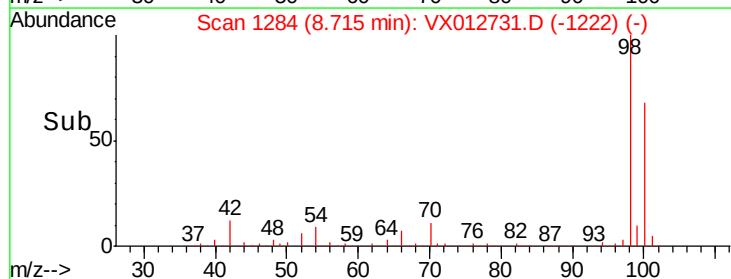
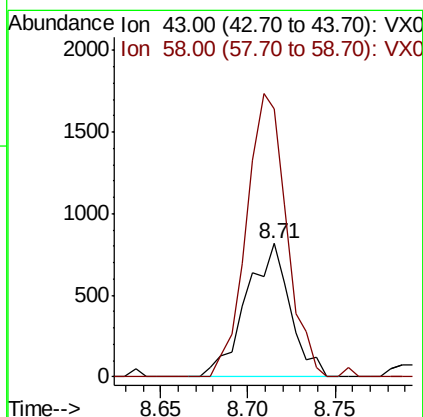
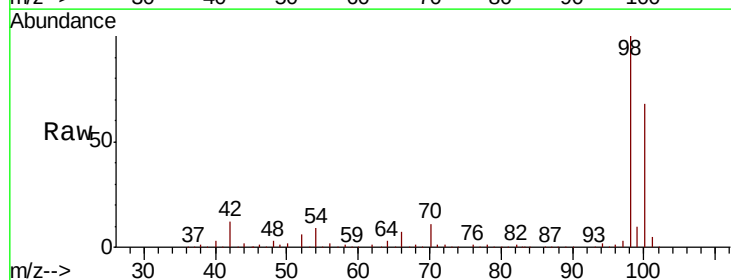
Instrument :
MSVOA_X
ClientSampleId :

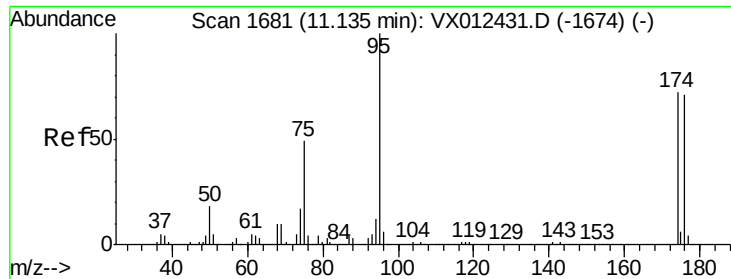
Tot Ion: 98 Resp: 330108
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 193.6 29.8 44.6#

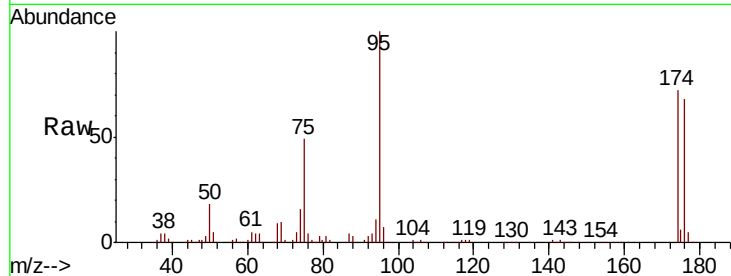




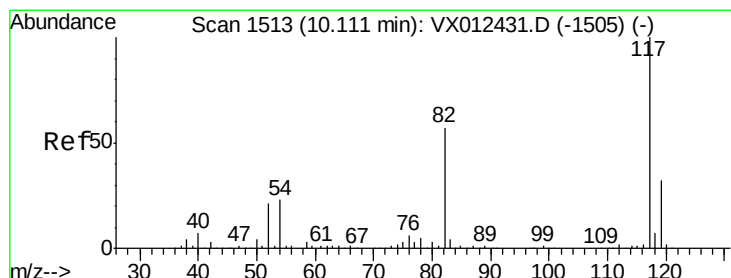
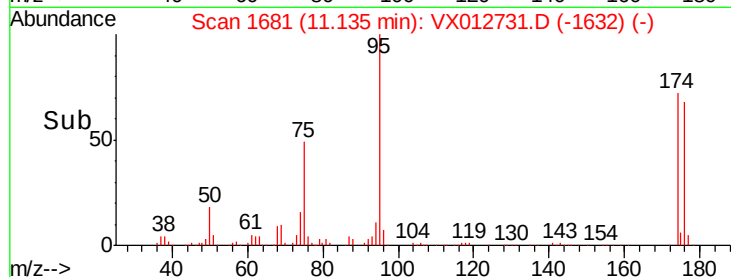
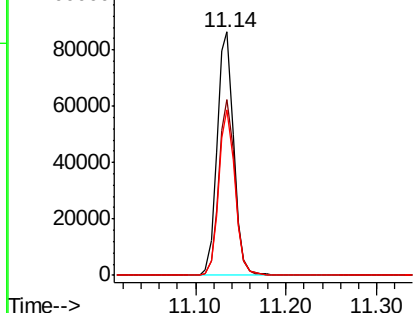
#62
4-Bromofluorobenzene
Concen: 43.862 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 110830
Ion Ratio Lower Upper
95 100
174 70.7 0.0 140.0
176 66.6 0.0 135.4

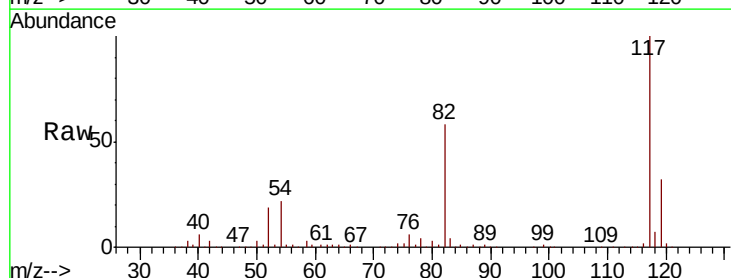


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

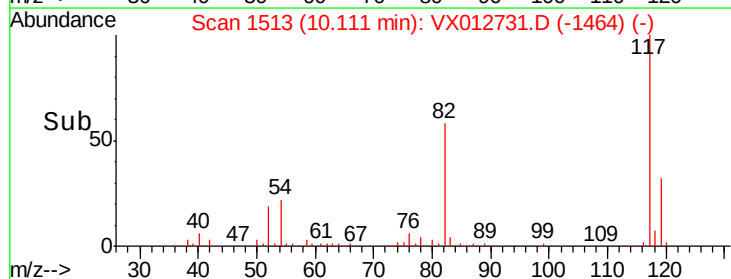
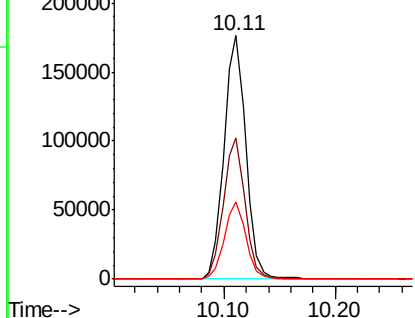


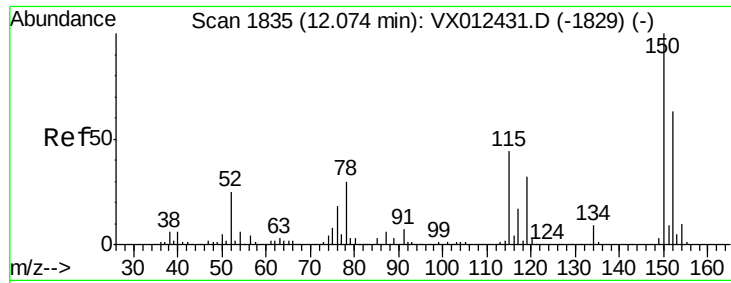
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012731.D
Acq: 01 Oct 2019 14:27

Tgt Ion: 117 Resp: 239581
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 31.5 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: VX012731.D

Acq: 01 Oct 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

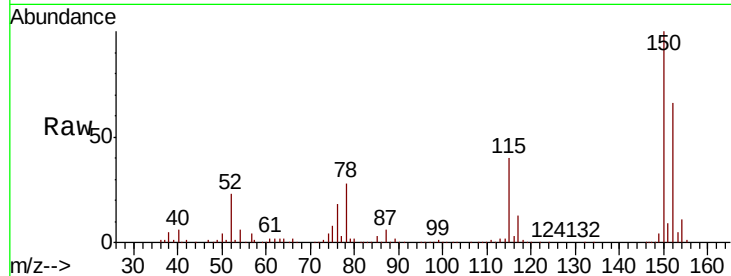
Tot Ion:152 Resp: 93612

Ion Ratio Lower Upper

152 100

115 63.0 44.1 132.3

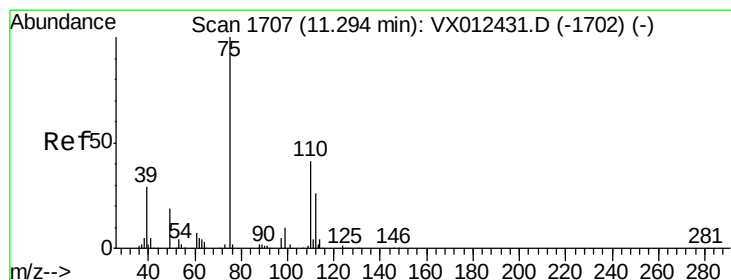
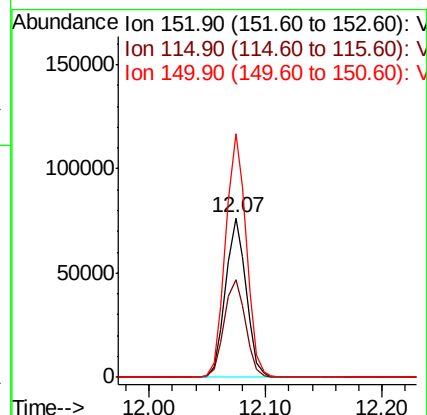
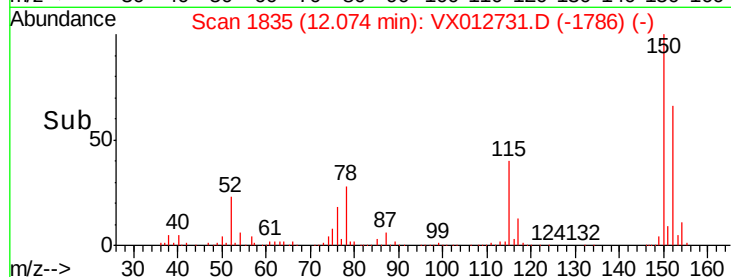
150 153.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.865 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012731.D

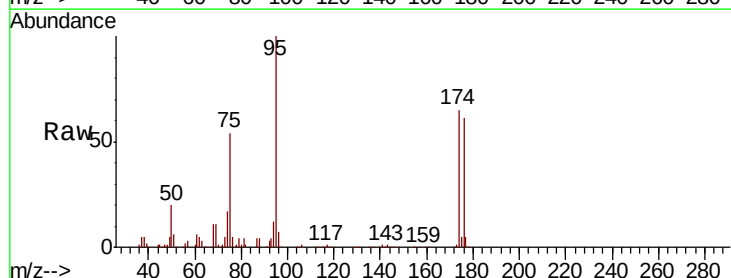
Acq: 01 Oct 2019 14:27

Tgt Ion: 75 Resp: 56619

Ion Ratio Lower Upper

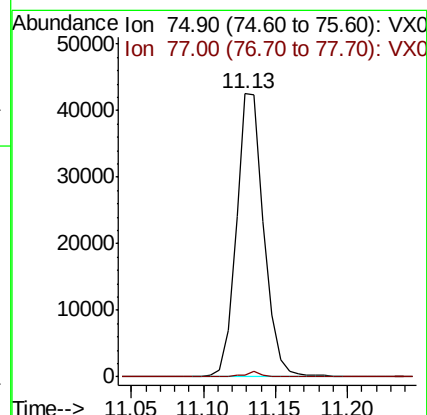
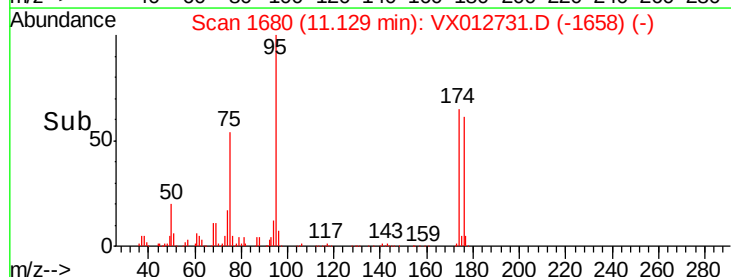
75 100

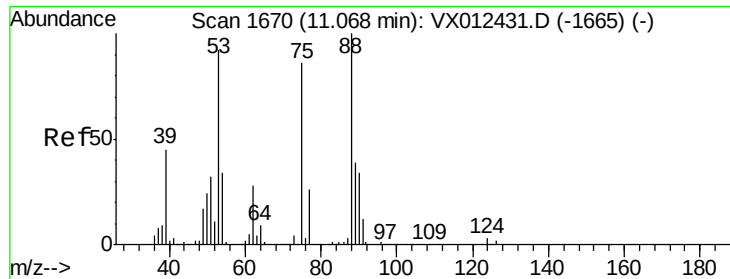
77 1.2 19.7 59.0#



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: 65.525 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012731.D

Acq: 01 Oct 2019 14:27

Instrument :

MSVOA_X

ClientSampled :

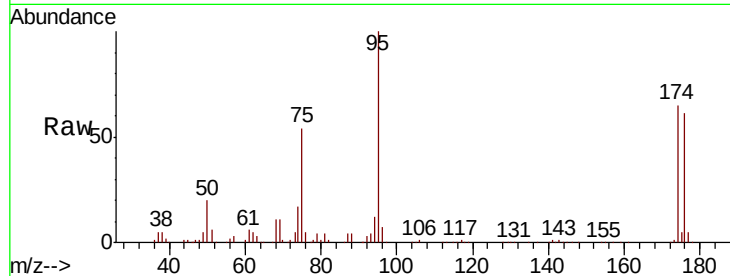
Tot Ion: 75 Resp: 56619

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

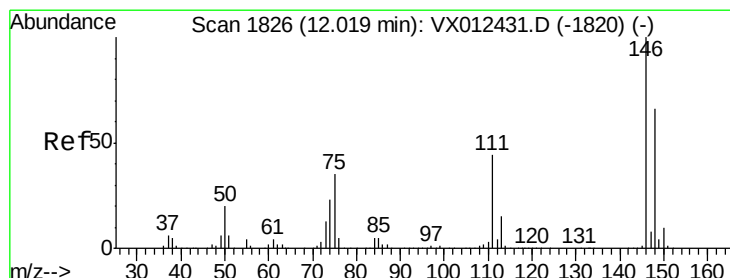
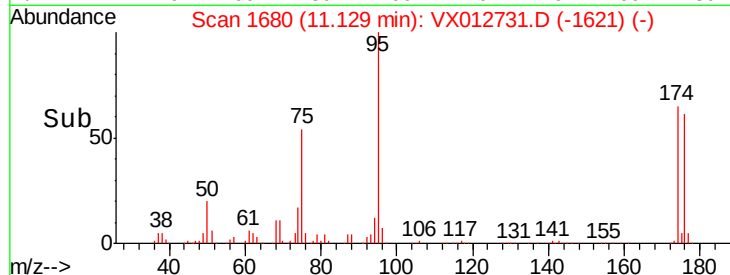
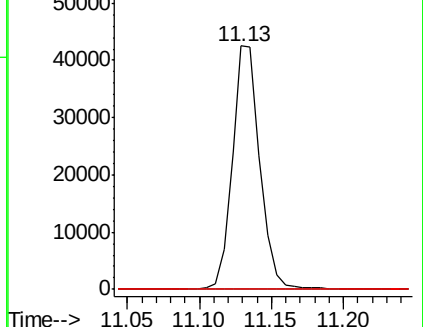
89 0.0 36.3 54.5#



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



#87

1,3-Dichlorobenzene

Concen: 0.237 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.07 min

Lab File: VX012731.D

Acq: 01 Oct 2019 14:27

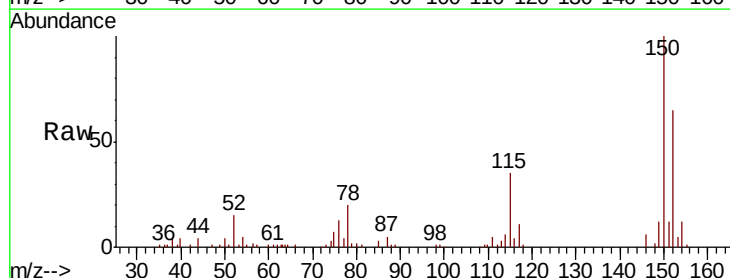
Tgt Ion:146 Resp: 735

Ion Ratio Lower Upper

146 100

111 219.6 21.3 64.0#

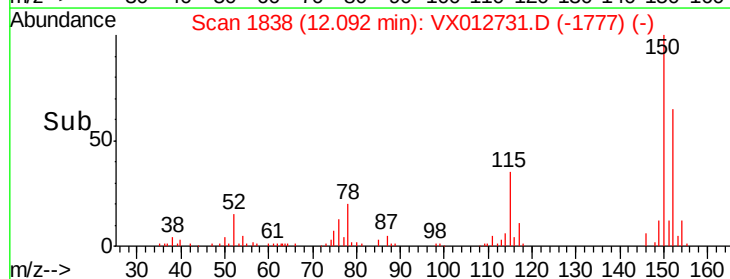
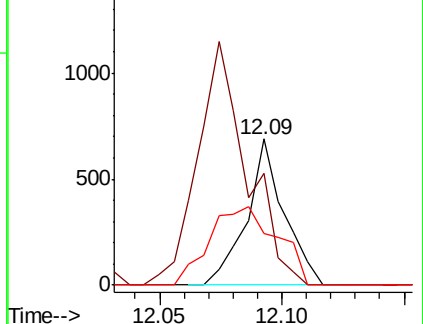
148 96.9 32.4 97.2

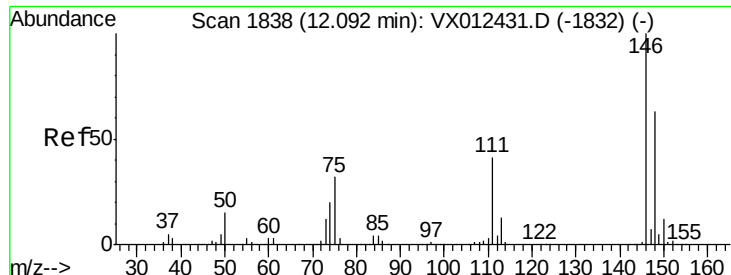


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012731.D

Acq: 01 Oct 2019 14:27

Instrument :

MSVOA_X

ClientSampleId :

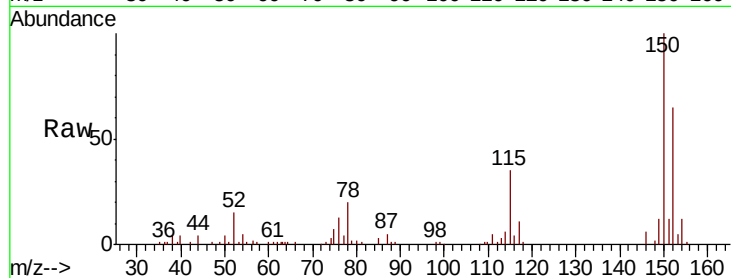
Tot Ion:146 Resp: 735

Ion Ratio Lower Upper

146 100

111 219.6 21.1 63.3#

148 96.9 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

