

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012848.D
 Acq On : 07 Oct 2019 19:07
 Operator : JC/SP
 Sample : K5190-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:13:39 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	178729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99978	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	119008	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	5.49	113	91171	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	8.71	98	362323	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.14	95	121199	44.06	ug/l	0.00
Spiked Amount			Recovery	=	88.12%	

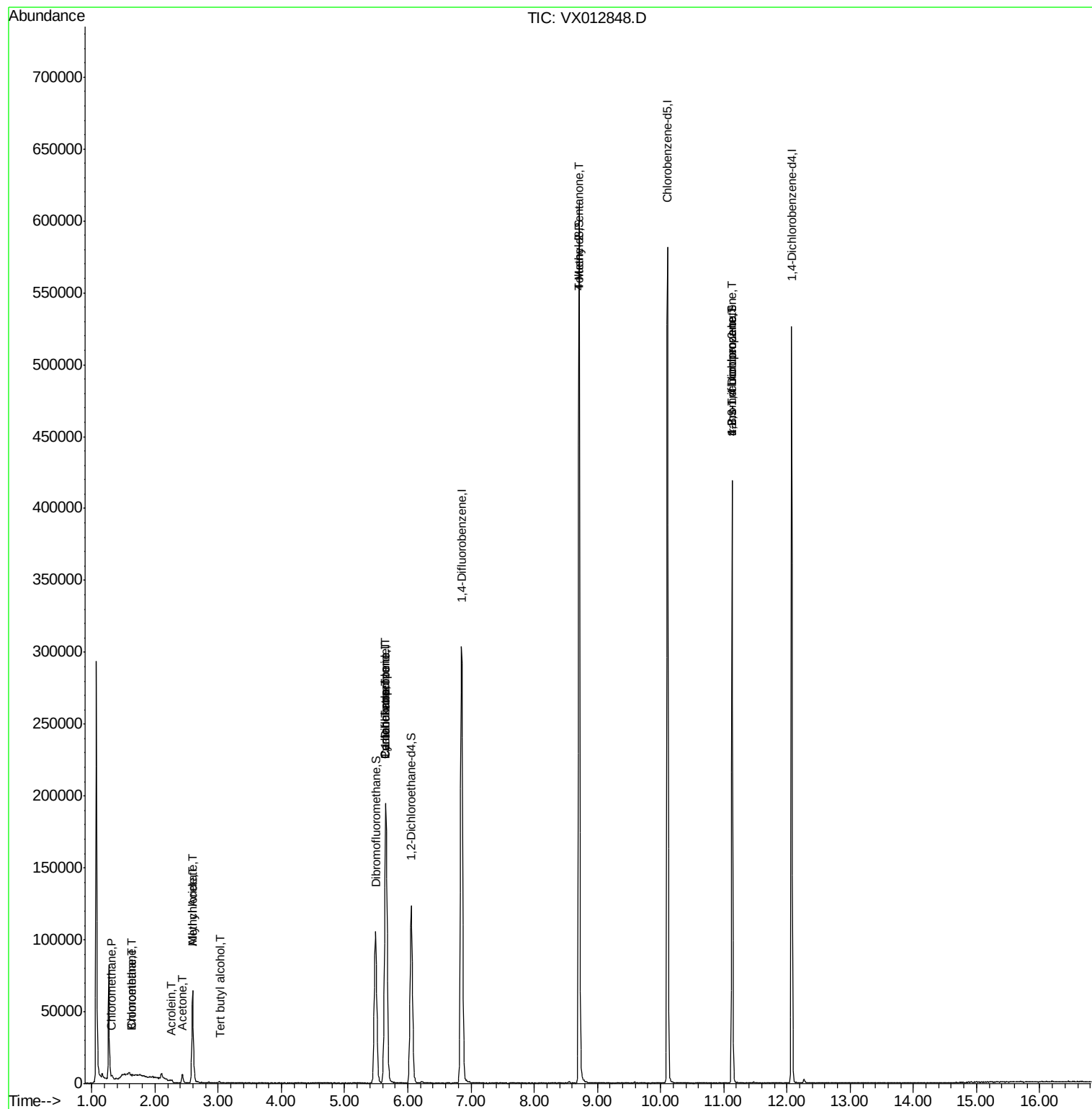
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	931	0.403	ug/l	95
5) Bromomethane	1.64	94	189	0.209	ug/l	86
6) Chloroethane	1.62	64	1332	0.861	ug/l #	52
11) Tert butyl alcohol	3.03	59	937	1.441	ug/l #	72
13) Acrolein	2.27	56	70	10.418	ug/l #	1
14) Allyl chloride	2.59	41	6297	1.652	ug/l #	68
16) Acetone	2.43	43	6766	4.908	ug/l	91
18) Methyl Acetate	2.59	43	15683	4.831	ug/l #	54
31) Cyclohexane	5.65	56	3945	1.089	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14668	4.988	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19610	6.565	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1715	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	61545	23.271	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61545	66.691	ug/l #	8

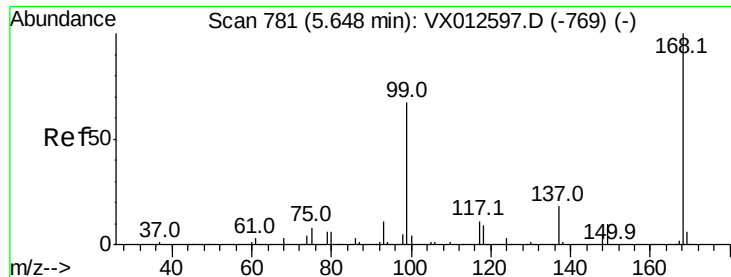
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012848.D

Acq: 07 Oct 2019 19:07

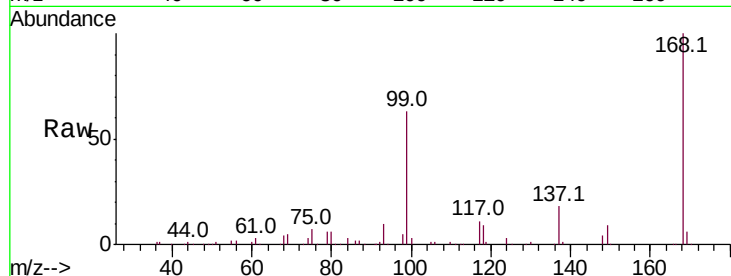
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178729

Ion Ratio Lower Upper

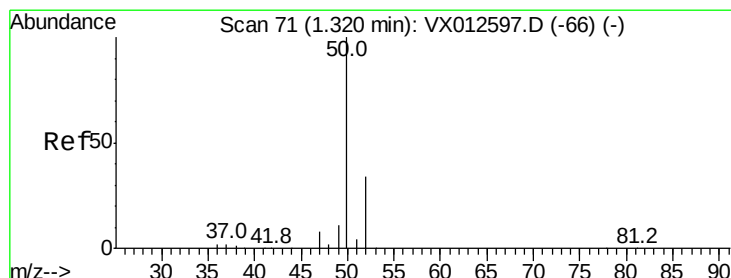
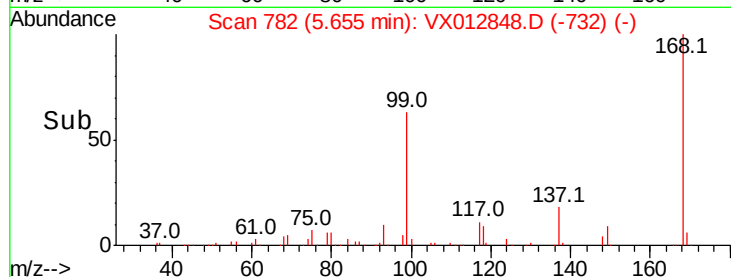
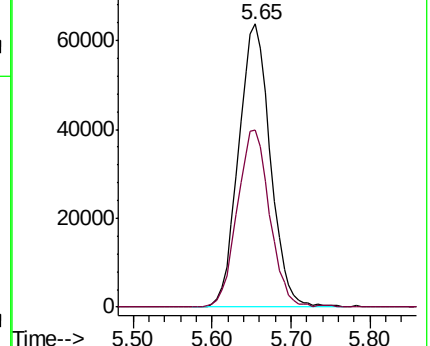
168 100

99 62.5 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: 0.403 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012848.D

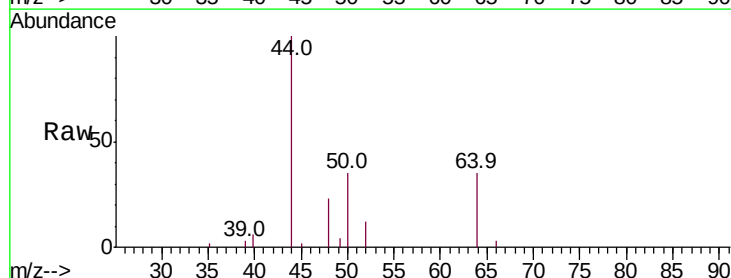
Acq: 07 Oct 2019 19:07

Tgt Ion: 50 Resp: 931

Ion Ratio Lower Upper

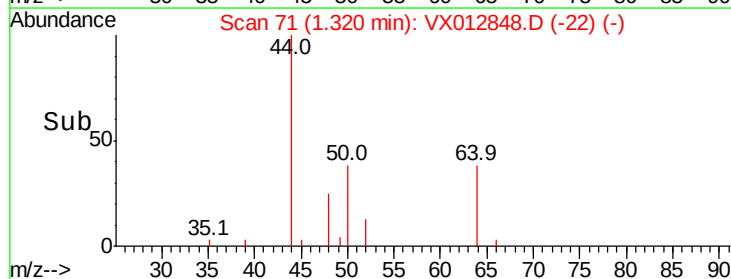
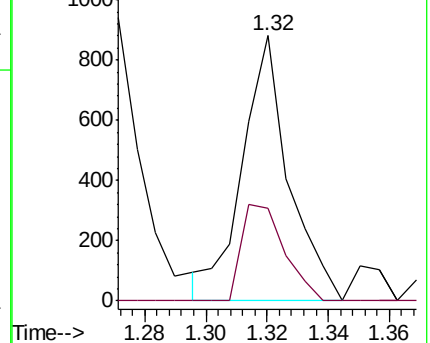
50 100

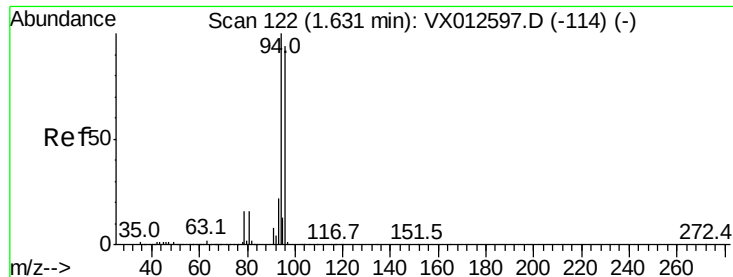
52 34.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.209 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

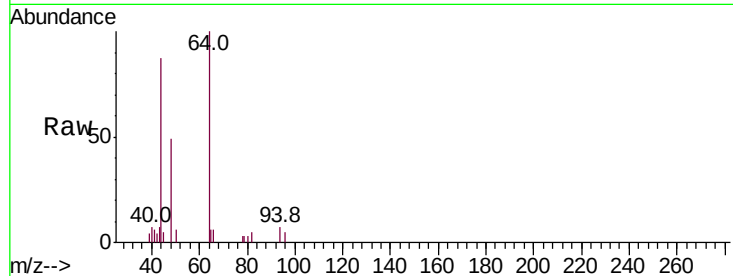
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 189

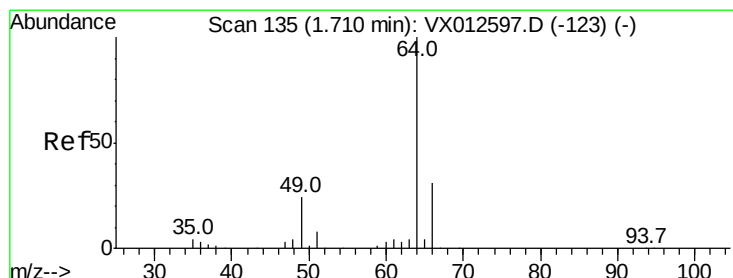
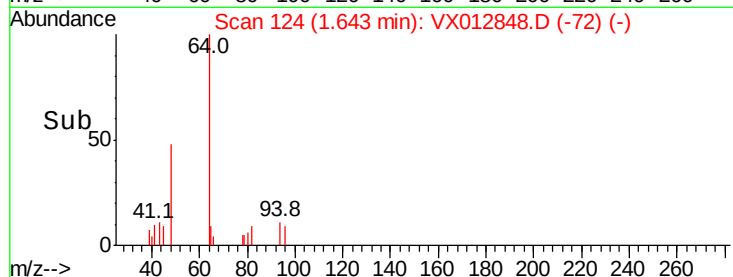
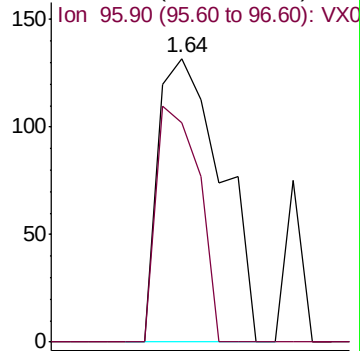
Ion Ratio Lower Upper

94 100

96 77.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.861 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.09 min

Lab File: VX012848.D

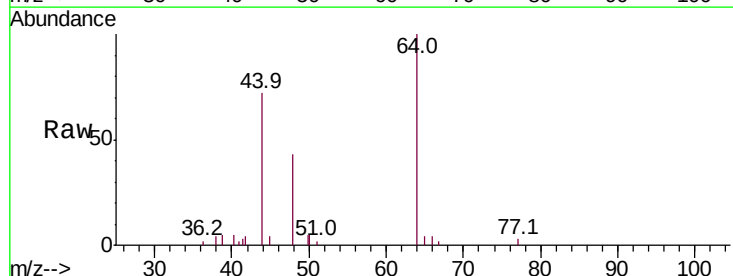
Acq: 07 Oct 2019 19:07

Tgt Ion: 64 Resp: 1332

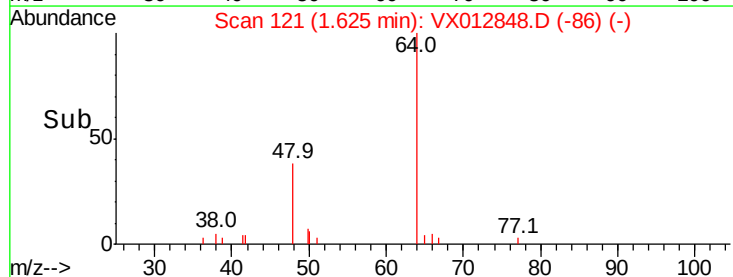
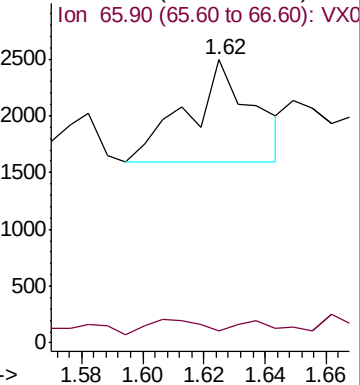
Ion Ratio Lower Upper

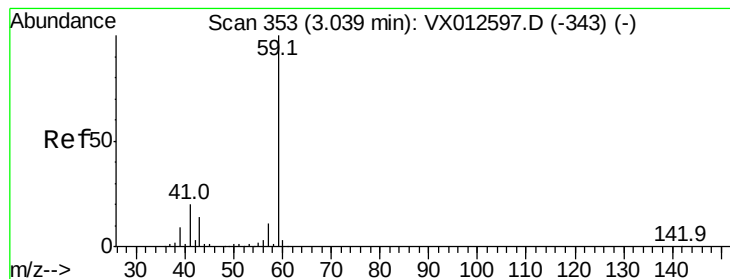
64 100

66 3.8 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#11

Tert butyl alcohol

Concen: 1.441 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

Instrument :

MSVOA_X

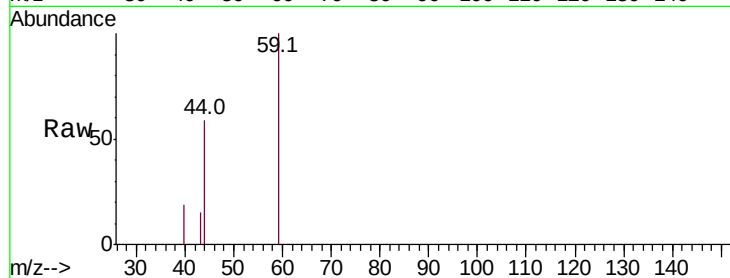
ClientSampleId :

Tot Ion: 59 Resp: 937

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

400

300

200

100

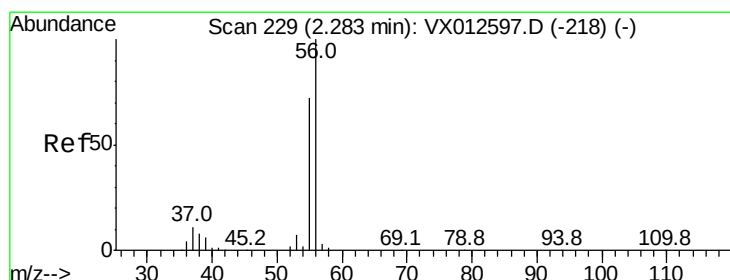
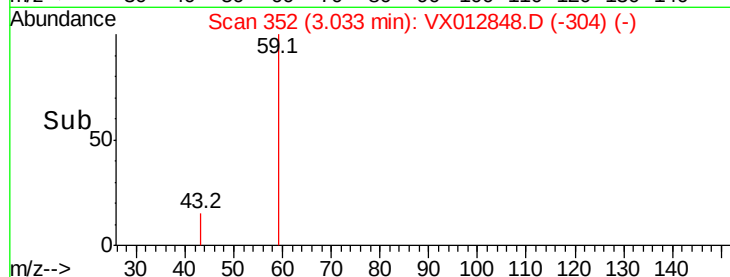
0

2.95

3.00

3.05

Time-->



#13

Acrolein

Concen: 10.418 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012848.D

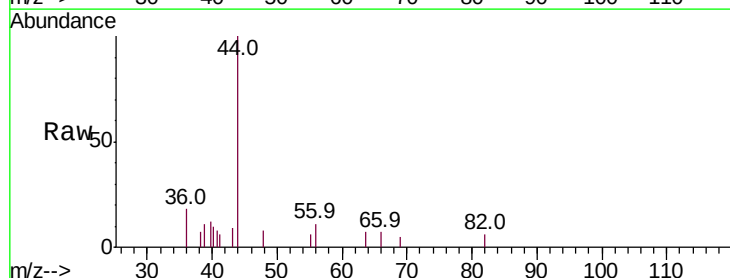
Acq: 07 Oct 2019 19:07

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 268.6 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

100

50

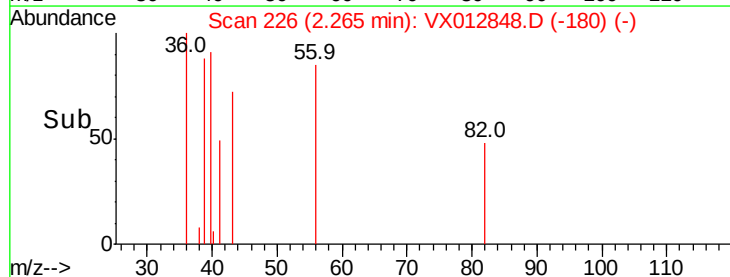
0

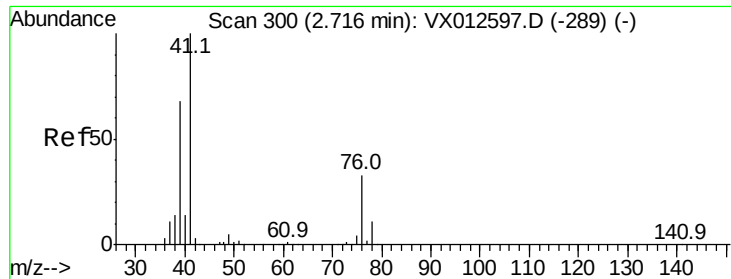
2.24

2.26

2.28

Time-->





#14

Allvl chloride

Concen: 1.652 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

Instrument :

MSVOA_X

ClientSampleId :

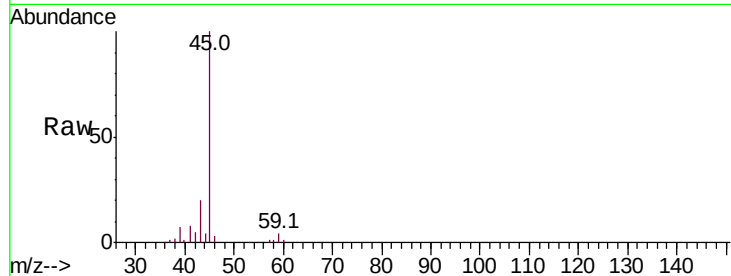
Tot Ion: 41 Resp: 6297

Ion Ratio Lower Upper

41 100

39 82.3 51.3 76.9#

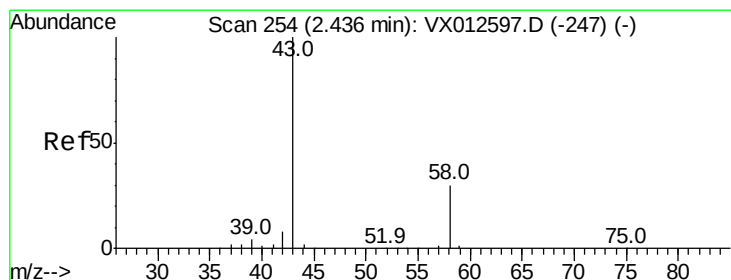
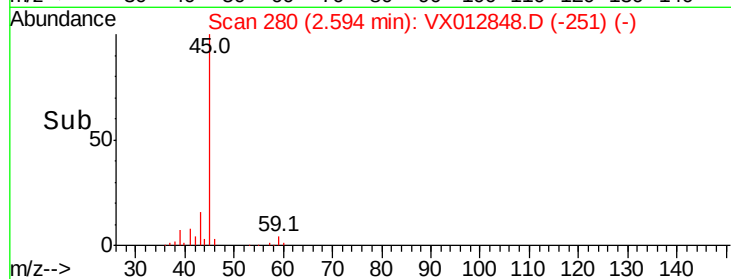
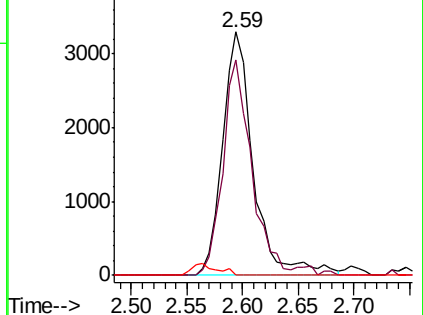
76 0.0 22.6 33.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 4.908 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012848.D

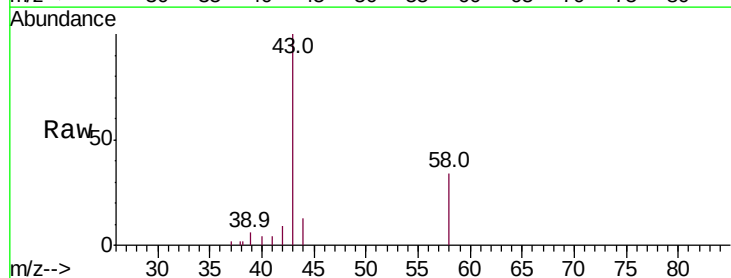
Acq: 07 Oct 2019 19:07

Tgt Ion: 43 Resp: 6766

Ion Ratio Lower Upper

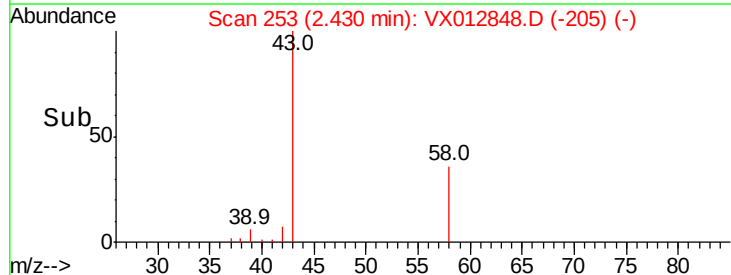
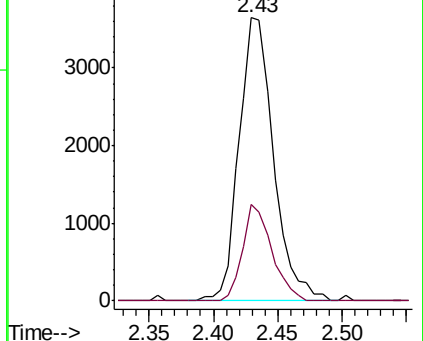
43 100

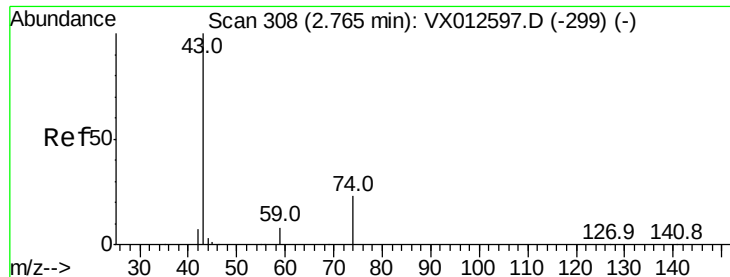
58 34.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

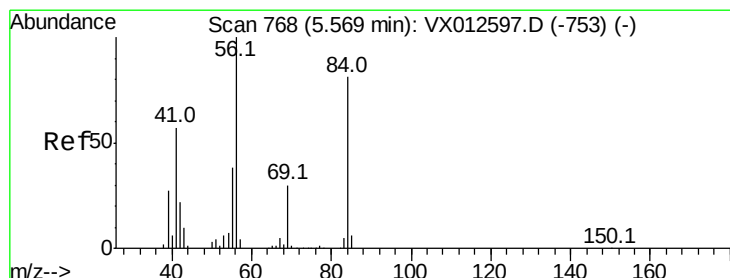
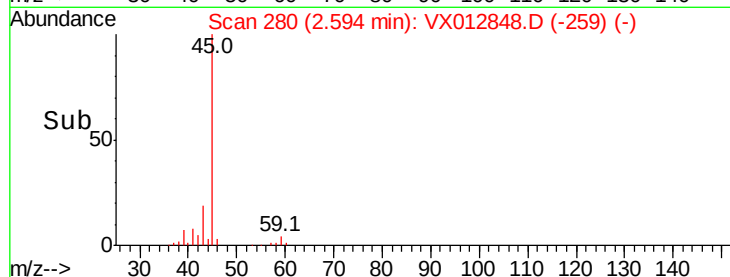
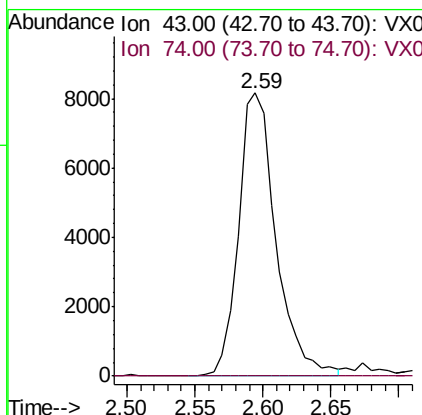
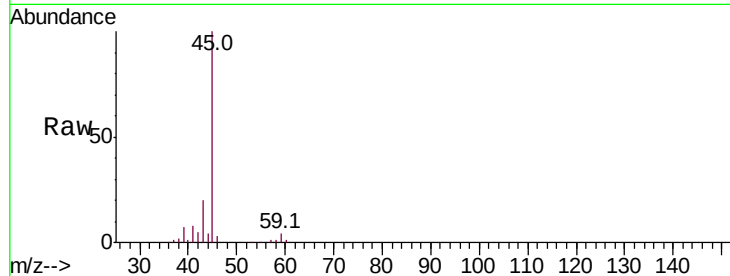




#18
Methvl Acetate
Concen: 4.831 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

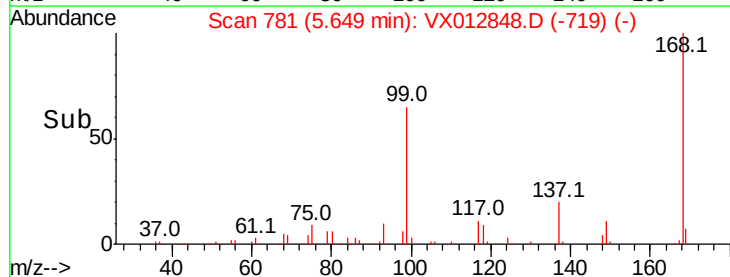
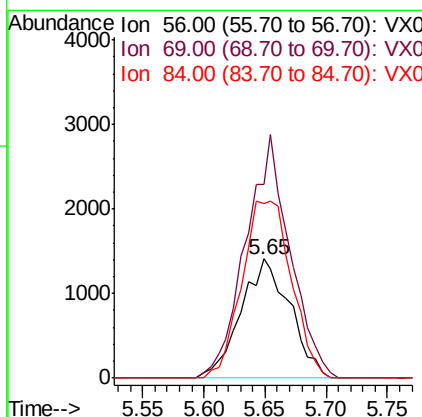
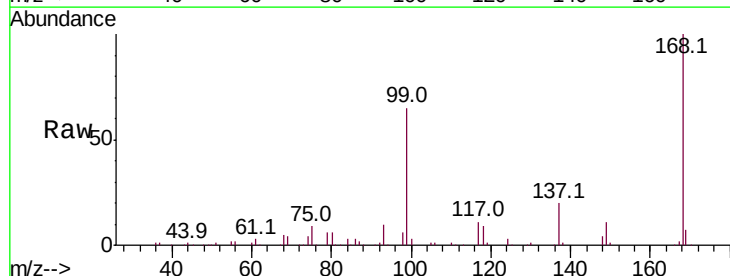
Instrument :
MSVOA_X
ClientSampleId :

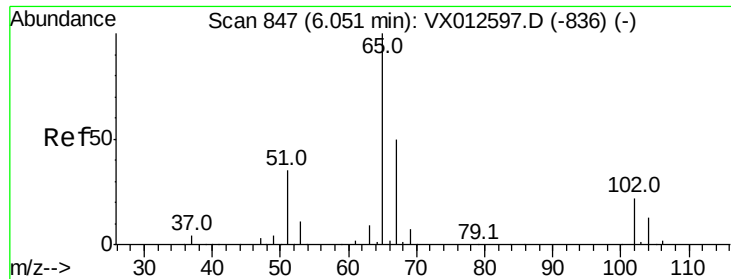
Tot Ion: 43 Resp: 15683
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.089 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

Tgt Ion: 56 Resp: 3945
Ion Ratio Lower Upper
56 100
69 163.0 25.0 37.6#
84 146.7 66.4 99.6#

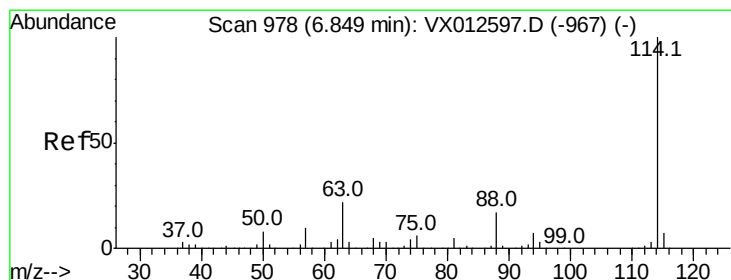
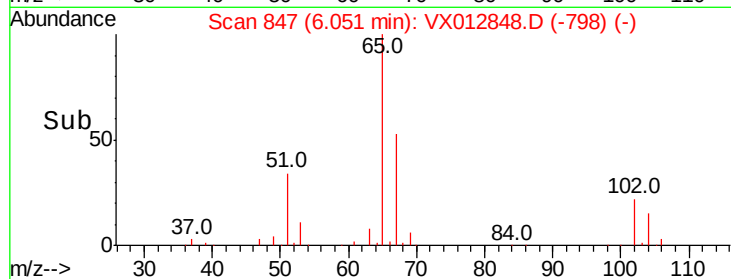
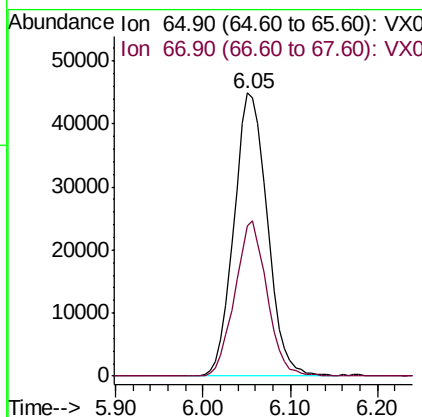
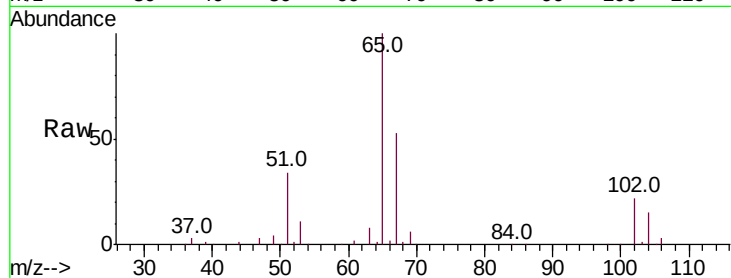




#33
 1,2-Dichloroethane-d4
 Concen: 45.726 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012848.D
 Acq: 07 Oct 2019 19:07

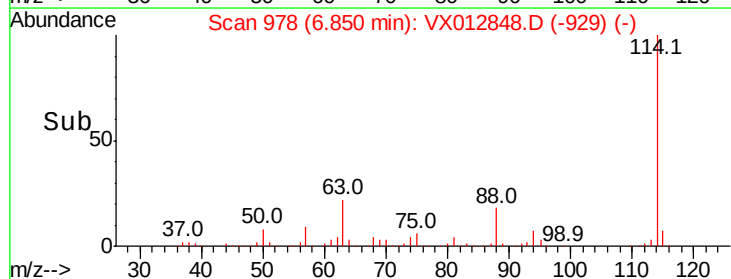
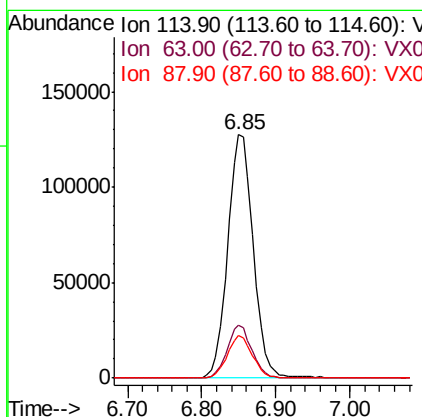
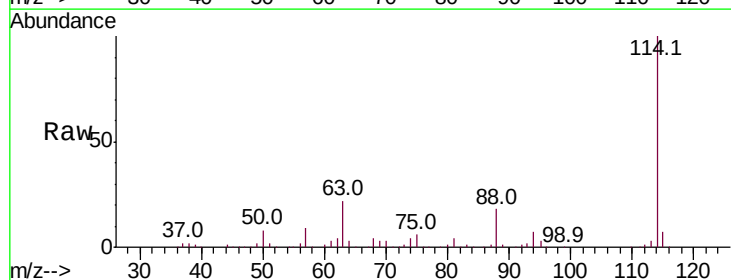
Instrument :
 MSVOA_X
 ClientSampleId :

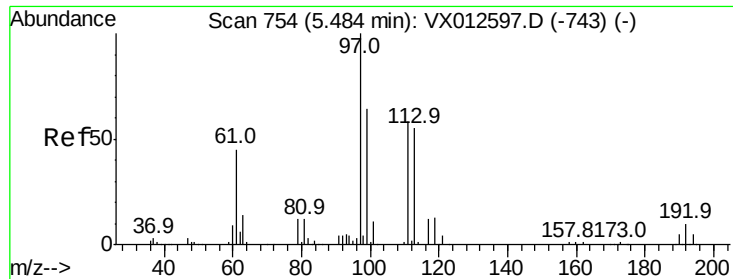
Tot Ion: 65 Resp: 119008
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012848.D
 Acq: 07 Oct 2019 19:07

Tgt Ion: 114 Resp: 305057
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 17.6 0.0 33.2

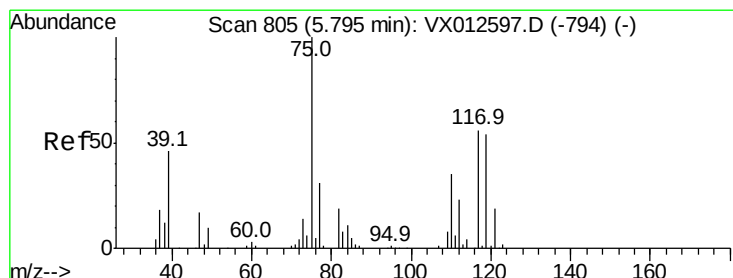
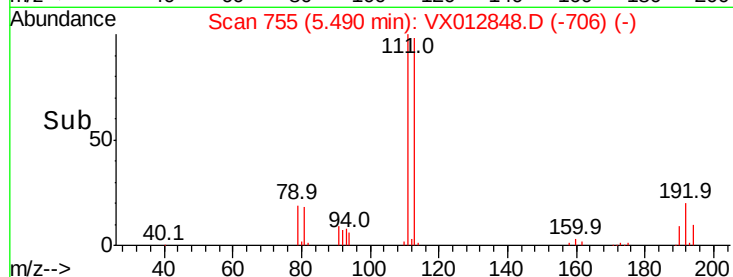
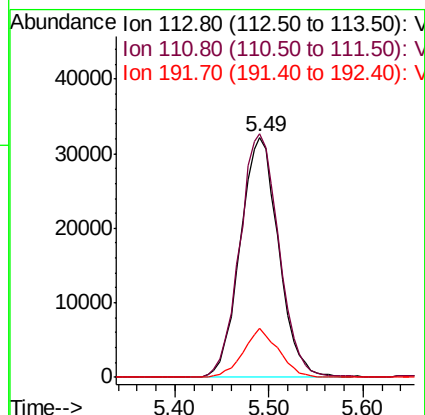
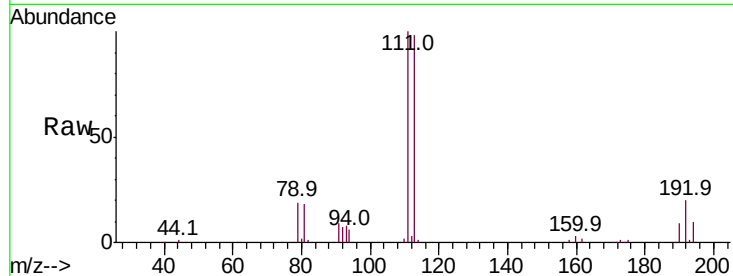




#35
 Dibromofluoromethane
 Concen: 50.184 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012848.D
 Acq: 07 Oct 2019 19:07

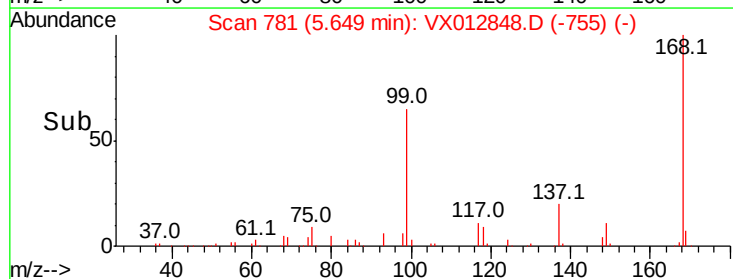
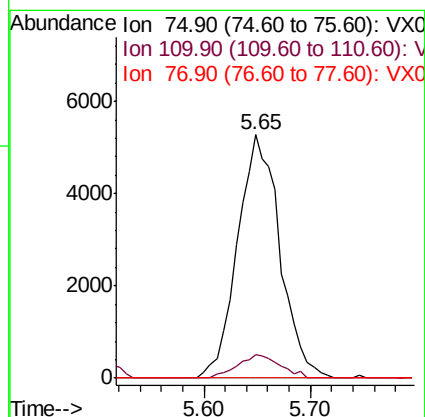
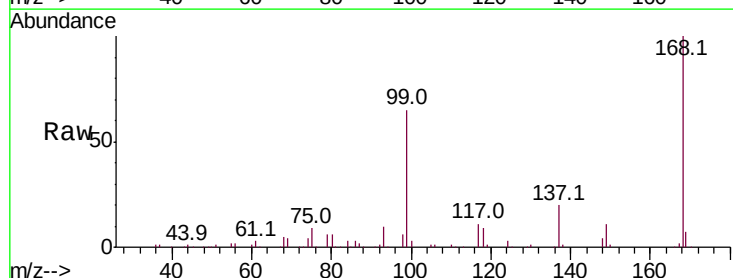
Instrument :
 MSVOA_X
 ClientSampleId :

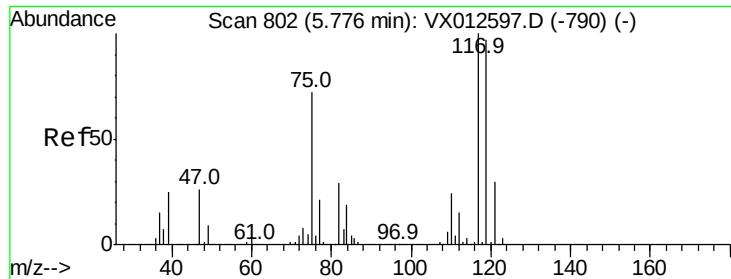
Tot Ion:113 Resp: 91171
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 18.8 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012848.D
 Acq: 07 Oct 2019 19:07

Tgt Ion: 75 Resp: 14668
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.7 50.0#
 77 0.0 24.2 36.2#

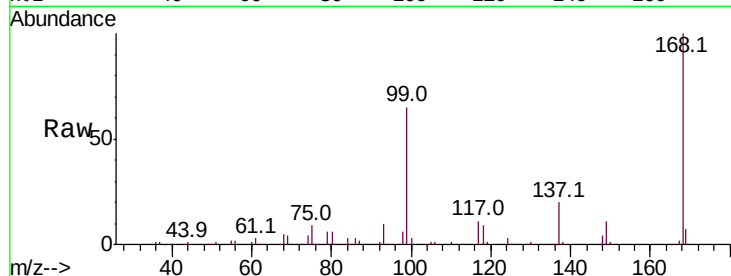




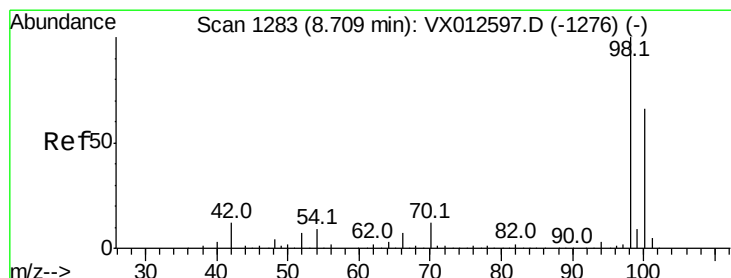
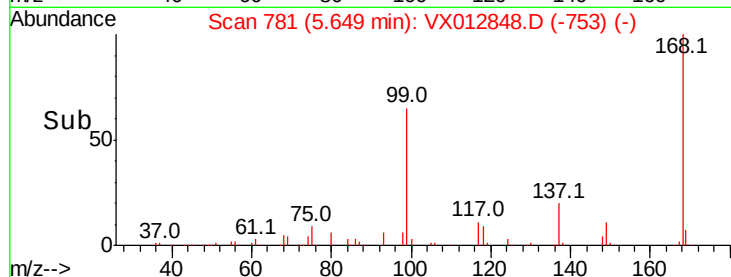
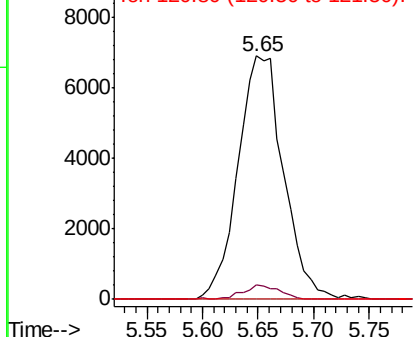
#38
Carbon Tetrachloride
Concen: 6.565 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 19610
Ion Ratio Lower Upper
117 100
119 5.7 75.7 113.5#
121 0.0 24.2 36.4#

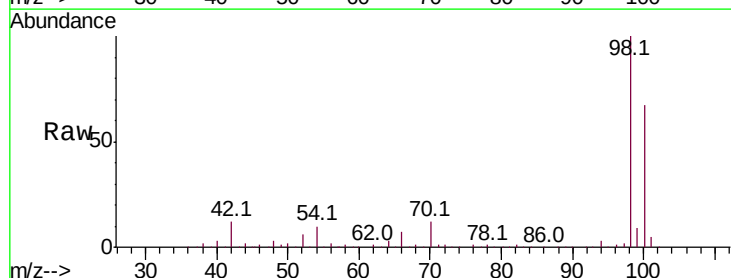


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

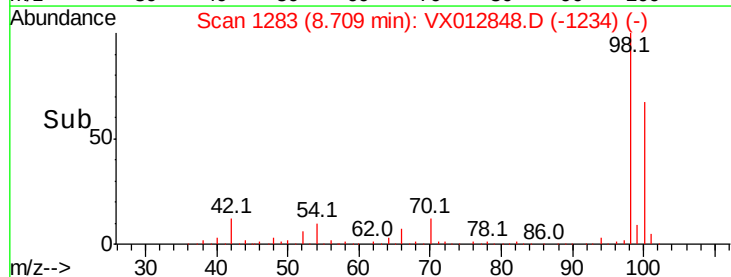
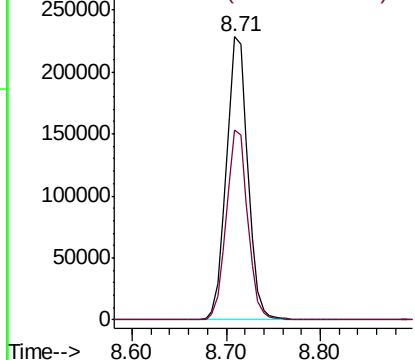


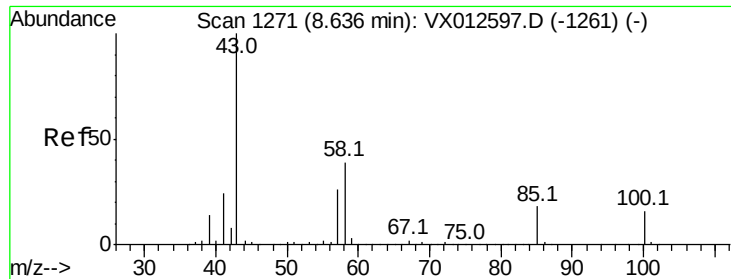
#50
Toluene-d8
Concen: 51.787 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

Tgt Ion: 98 Resp: 362323
Ion Ratio Lower Upper
98 100
100 66.7 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: 0.483 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

Instrument :

MSVOA_X

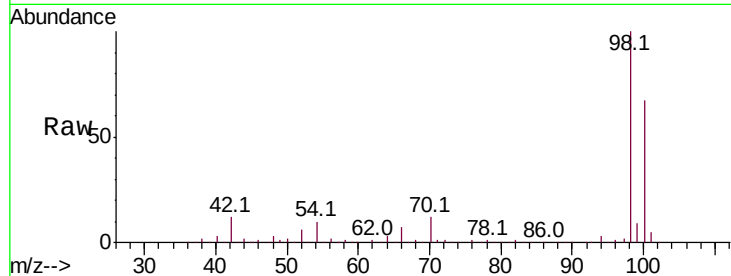
ClientSampled :

Tot Ion: 43 Resp: 1715

Ion Ratio Lower Upper

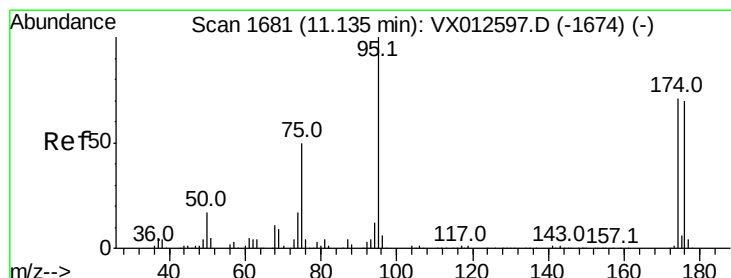
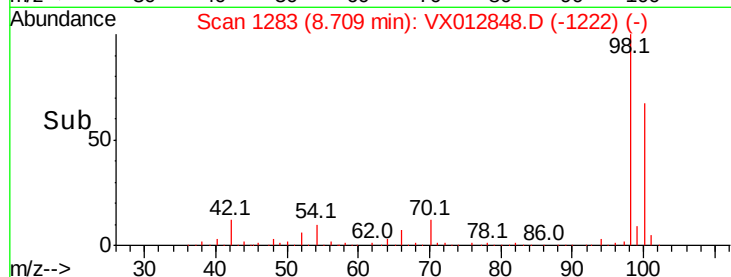
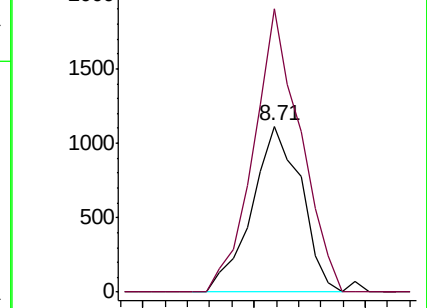
43 100

58 162.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.056 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

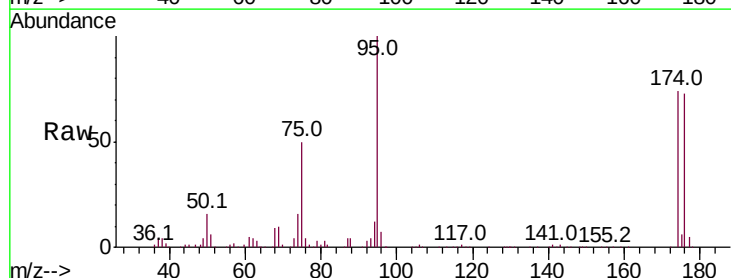
Tgt Ion: 95 Resp: 121199

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.0

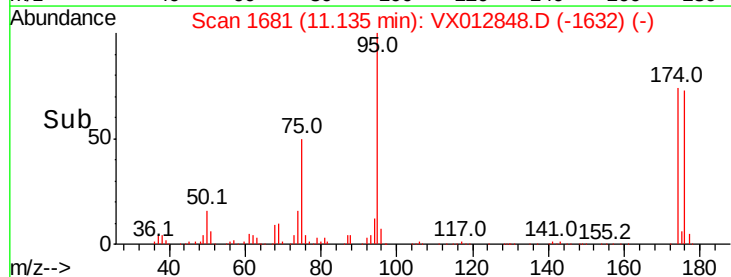
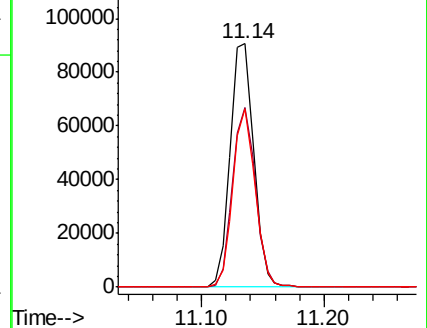
176 69.4 0.0 135.4

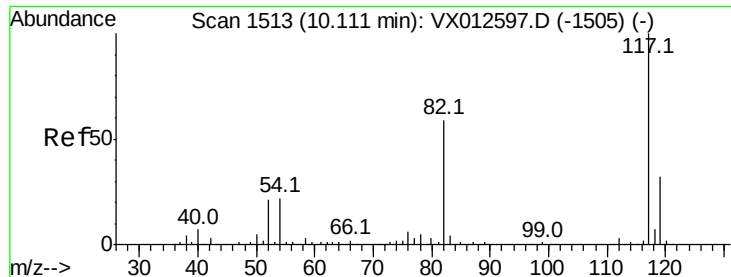


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

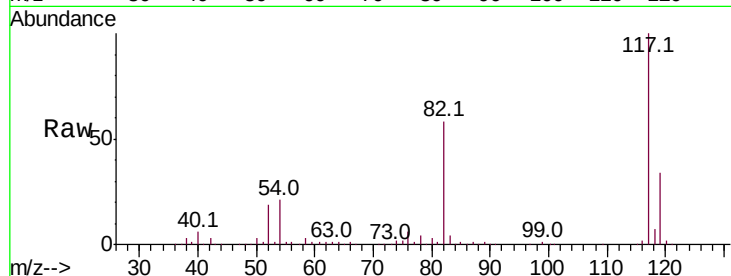




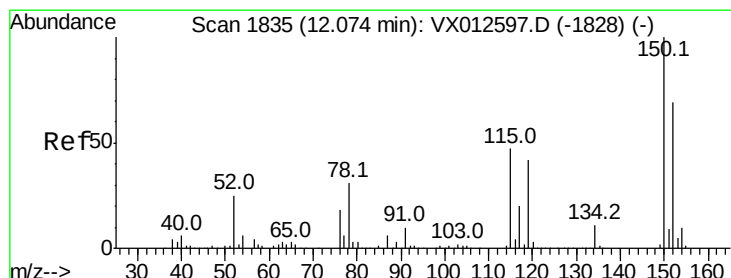
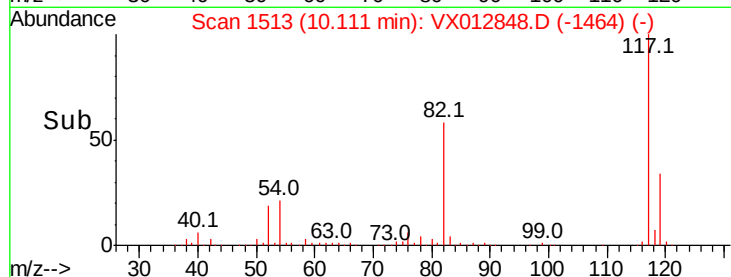
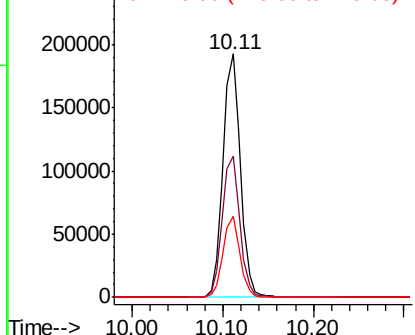
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 258550
Ion Ratio Lower Upper
117 100
82 57.8 45.9 68.9
119 33.5 25.3 37.9

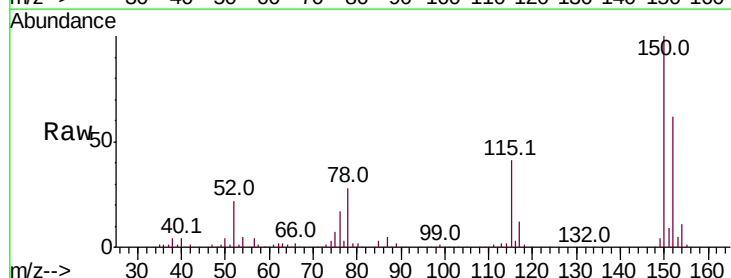


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

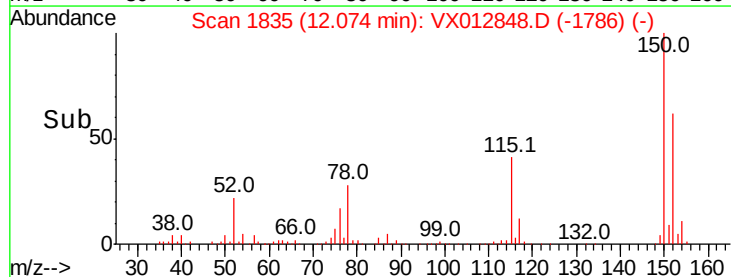
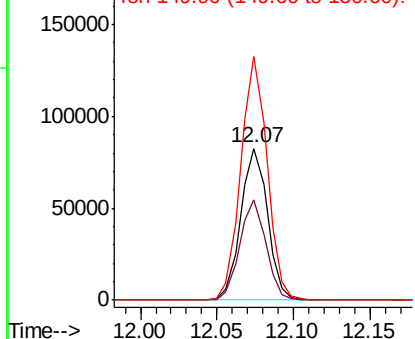


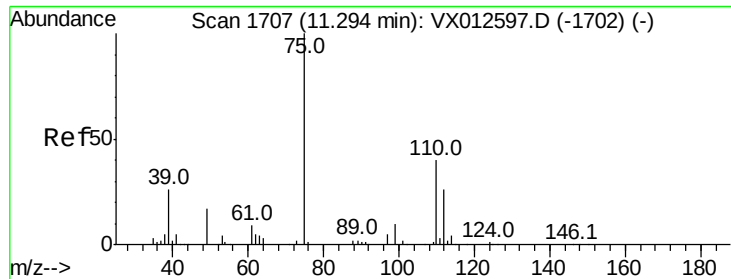
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012848.D
Acq: 07 Oct 2019 19:07

Tgt Ion:152 Resp: 99978
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 158.3 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: 23.271 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

Instrument :

MSVOA_X

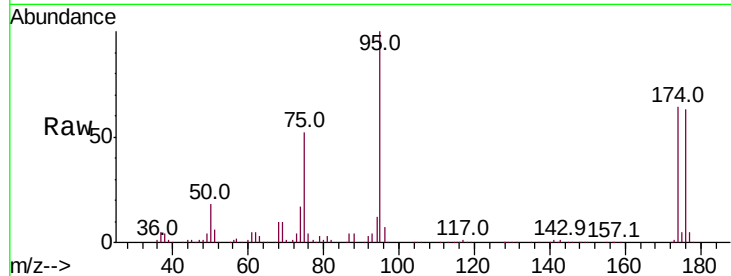
ClientSampled :

Tot Ion: 75 Resp: 61545

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

11.13

50000

40000

30000

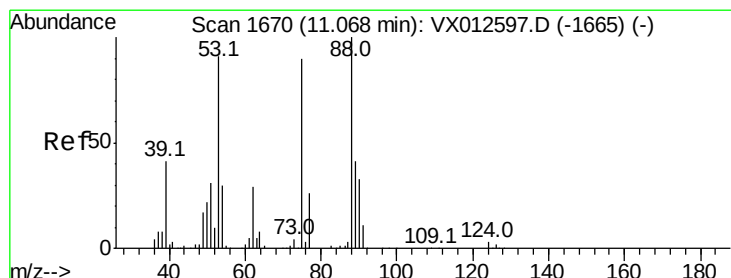
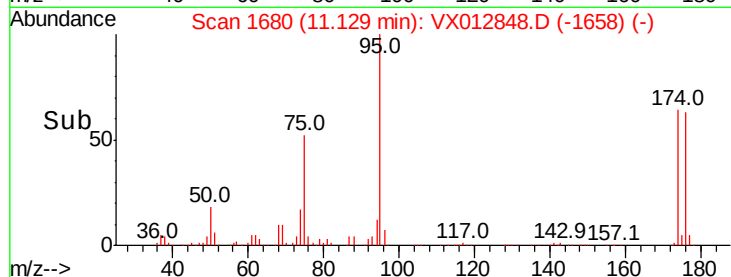
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 66.691 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012848.D

Acq: 07 Oct 2019 19:07

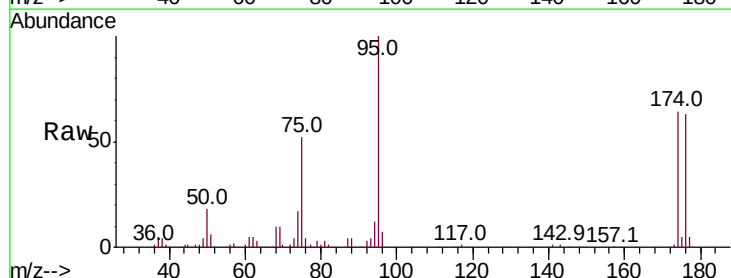
Tgt Ion: 75 Resp: 61545

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

60000

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

