

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090618\
 Data File : VX004381.D
 Acq On : 06 Sep 2018 13:31
 Operator : JC/MD
 Sample : VX0906MBL01
 Misc : 5.0µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBL01

Quant Time: Sep 07 04:43:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	316988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	501515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	212847	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	5.50	113	187995	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	8.71	98	699236	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.14	95	249493	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

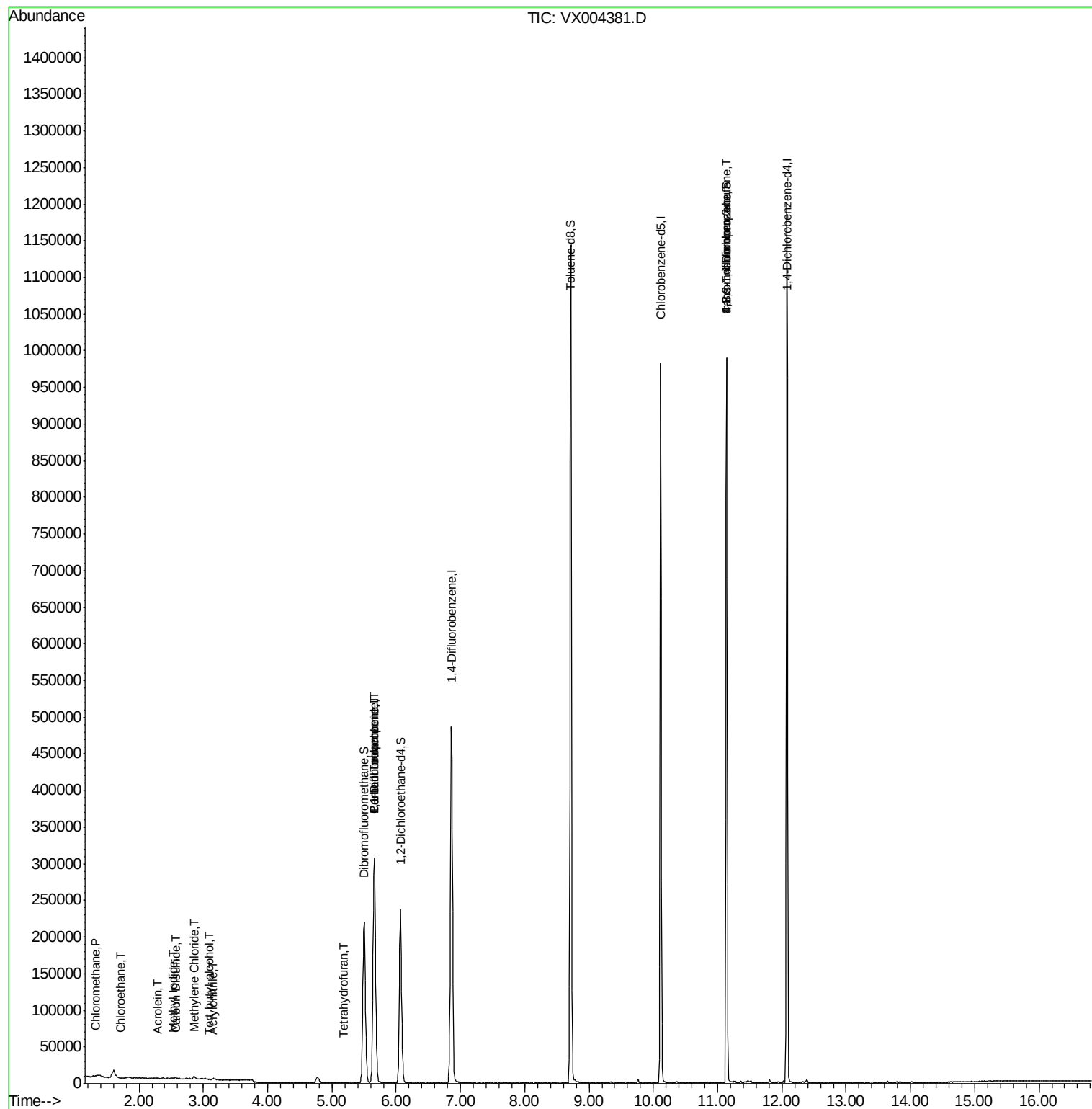
						Qvalue
3) Chloromethane	1.32	50	1220	0.59	ug/l	99
5) Bromomethane	1.64	94	1664	Below	Cal	92
6) Chloroethane	1.71	64	645	1.16	ug/l #	52
10) Methyl Iodide	2.53	142	1070	4.51	ug/l	94
11) Tert butyl alcohol	3.08	59	266	0.30	ug/l #	72
13) Acrolein	2.28	56	211	0.99	ug/l #	75
15) Acrylonitrile	3.14	53	494	0.23	ug/l #	69
16) Acetone	2.44	43	1049	Below	Cal	97
17) Carbon Disulfide	2.56	76	2094	1.02	ug/l	100
20) Methylene Chloride	2.85	84	1608	0.40	ug/l	92
25) 2-Butanone	4.69	43	101	Below	Cal #	47
29) Tetrahydrofuran	5.18	42	803	0.45	ug/l #	55
36) 1,1-Dichloropropene	5.66	75	21186	3.76	ug/l #	50
38) Carbon Tetrachloride	5.66	117	27306	5.15	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	116211	22.63	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	116211	73.44	ug/l #	10

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

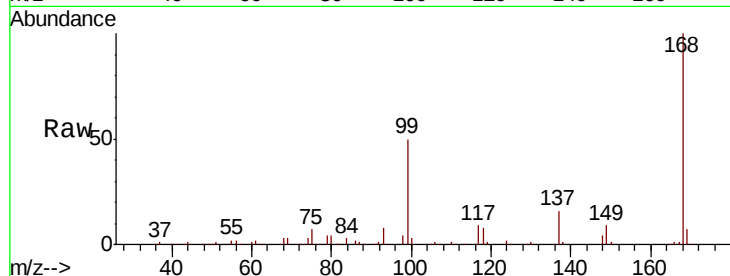
VX0906MBL01

Tot Ion:168 Resp: 316988

Ion Ratio Lower Upper

168 100

99 49.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

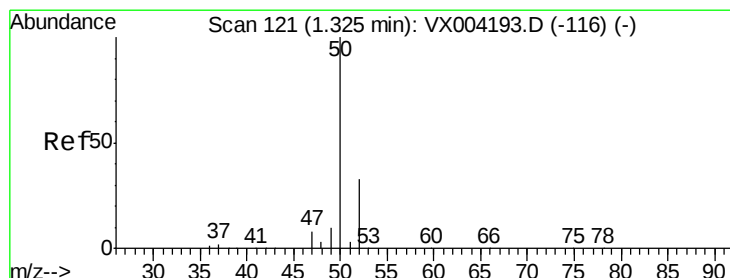
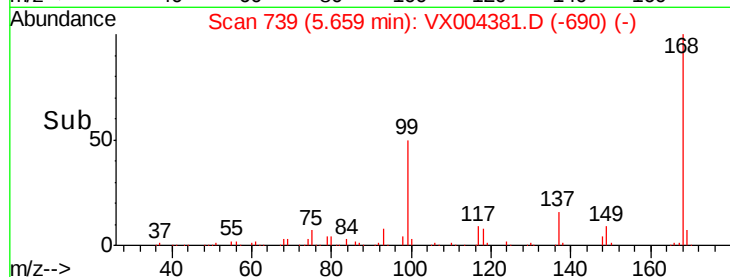
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.59 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004381.D

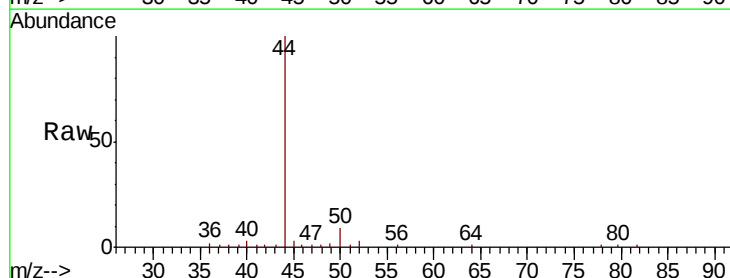
Acq: 06 Sep 2018 13:31

Tgt Ion: 50 Resp: 1220

Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

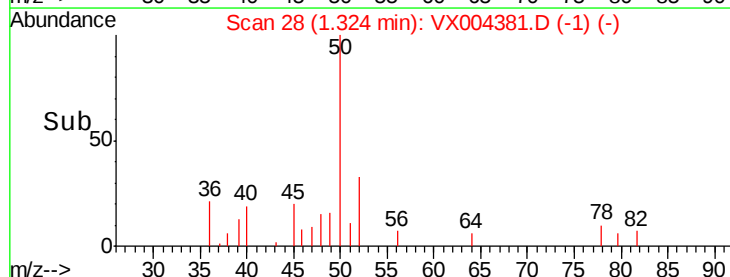
600

400

200

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampleId :

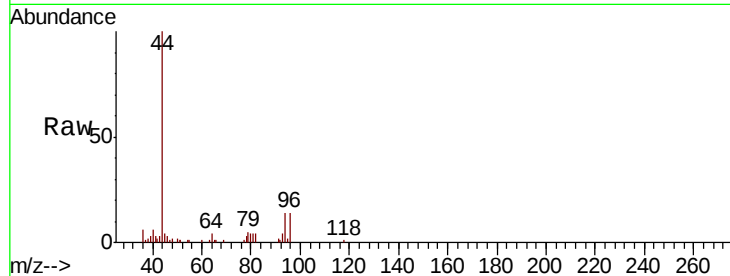
VX0906MBL01

Tot Ion: 94 Resp: 1664

Ion Ratio Lower Upper

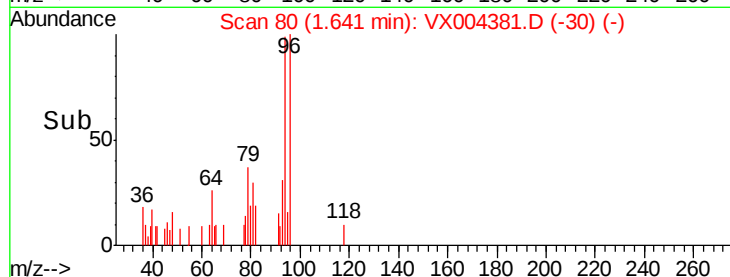
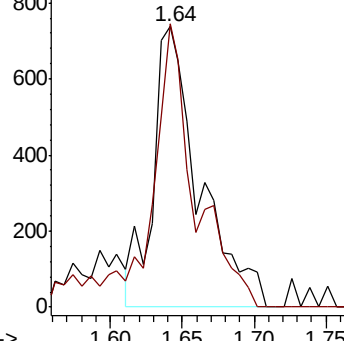
94 100

96 100.8 74.5 111.7

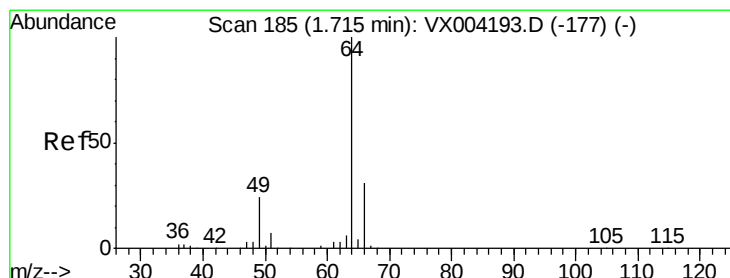


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 1.16 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX004381.D

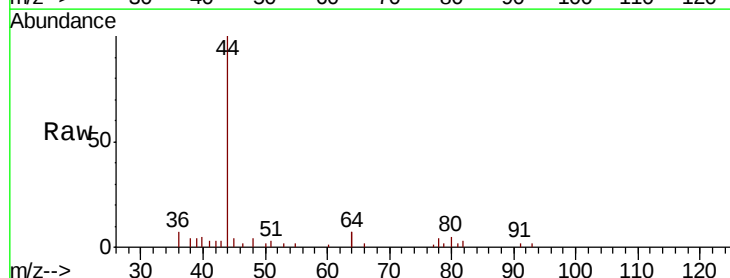
Acq: 06 Sep 2018 13:31

Tgt Ion: 64 Resp: 645

Ion Ratio Lower Upper

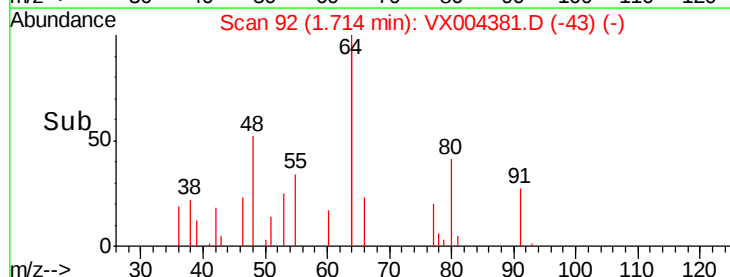
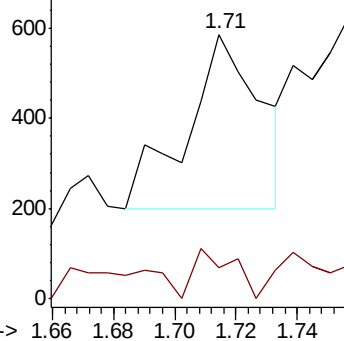
64 100

66 4.4 24.6 36.8#

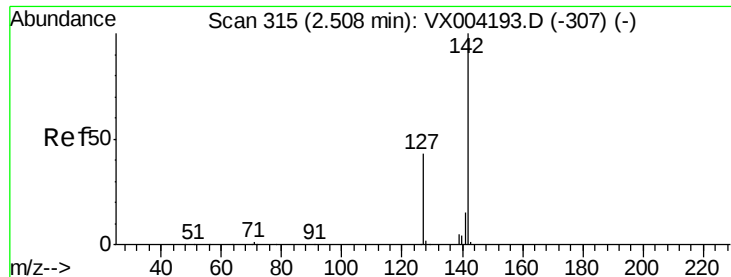


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



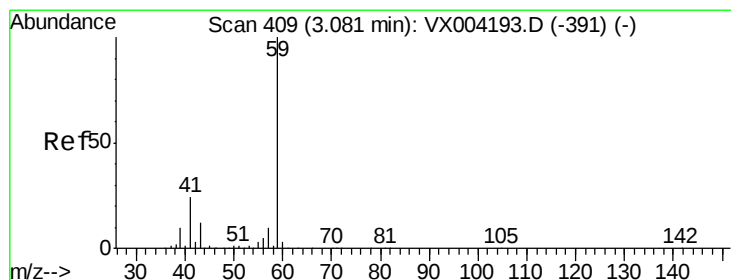
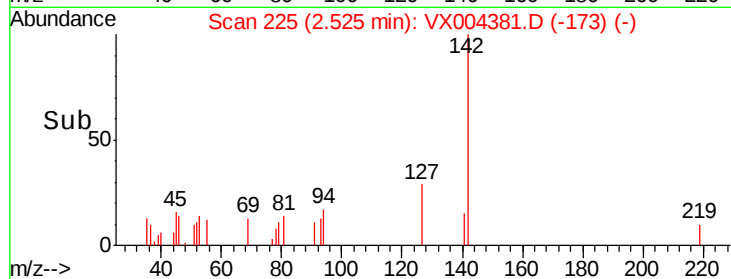
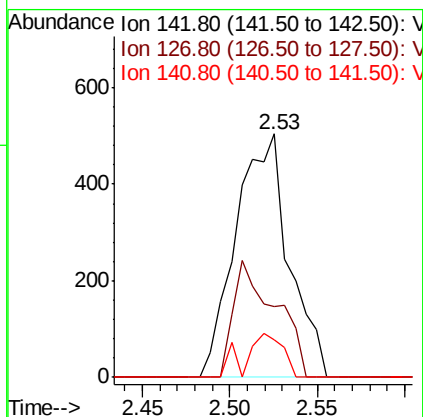
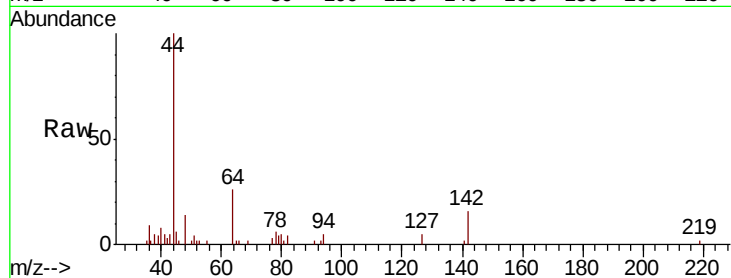
Time-->



#10
Methyl Iodide
Concen: 4.51 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

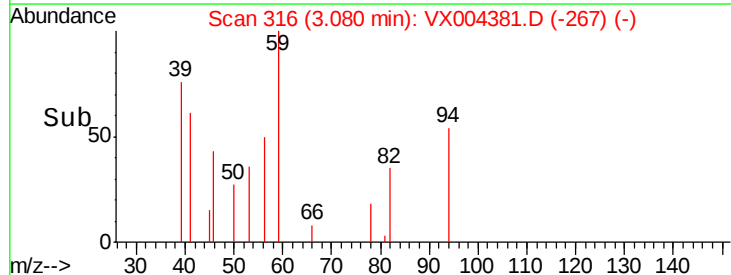
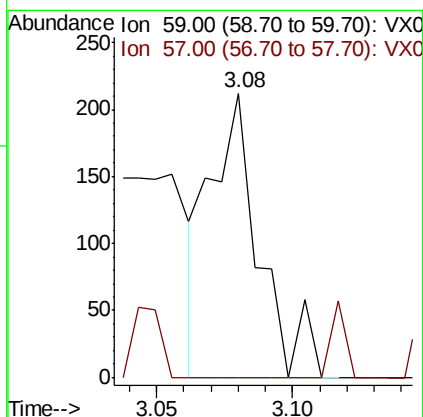
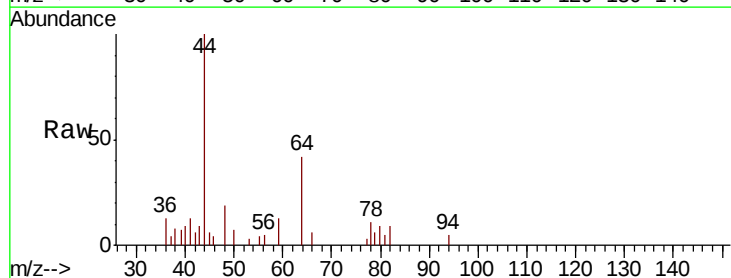
Instrument :
MSVOA_X
ClientSampled :
VX0906MBL01

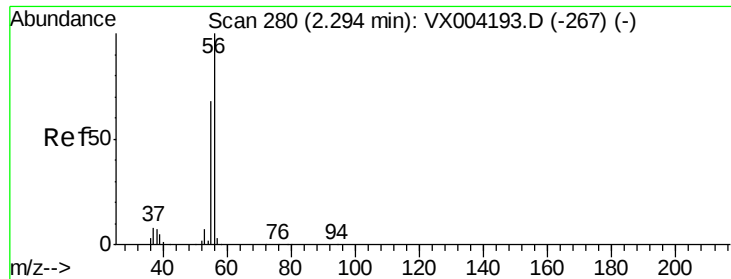
Tot Ion:142 Resp: 1070
Ion Ratio Lower Upper
142 100
127 37.9 33.8 50.6
141 12.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

Tgt Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.99 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

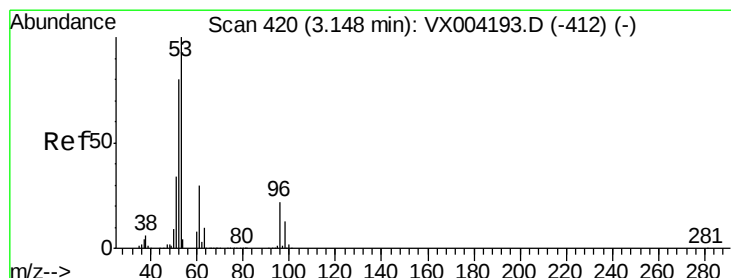
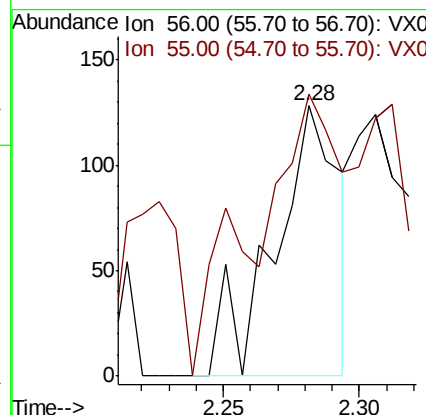
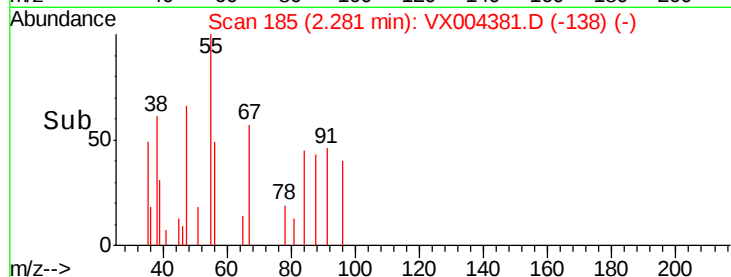
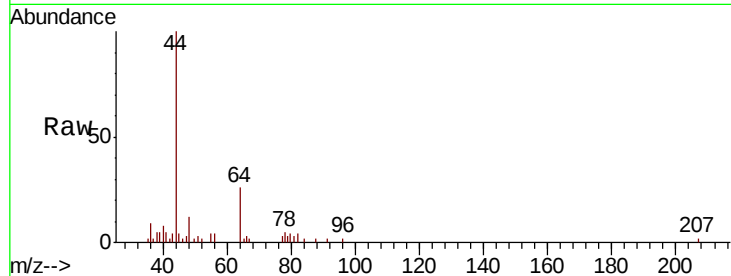
VX0906MBL01

Tot Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 48.3 54.7 82.1#



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

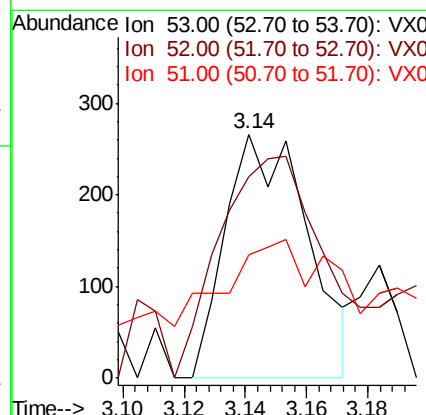
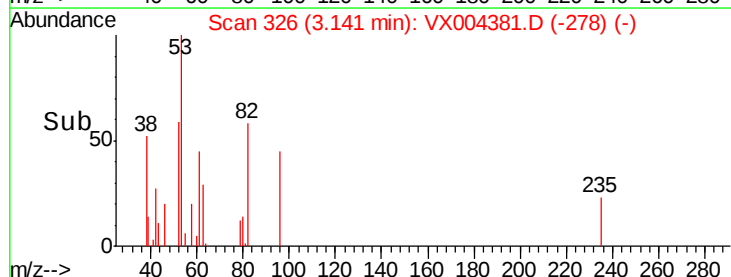
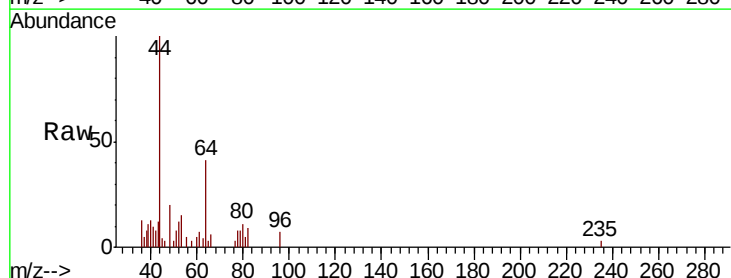
Tgt Ion: 53 Resp: 494

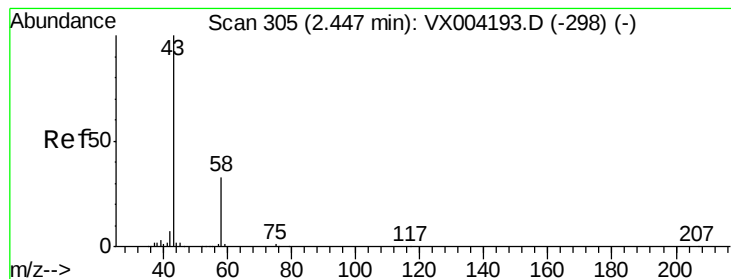
Ion Ratio Lower Upper

53 100

52 115.8 65.2 97.8#

51 42.9 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

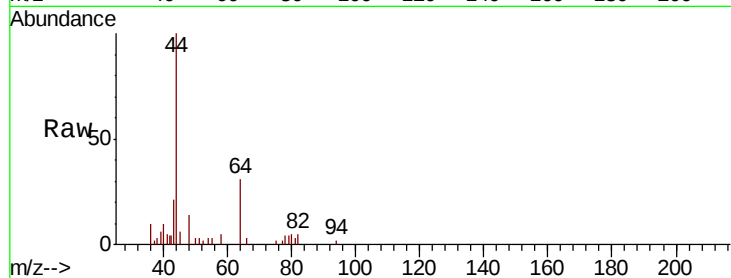
VX0906MBL01

Tot Ion: 43 Resp: 1049

Ion Ratio Lower Upper

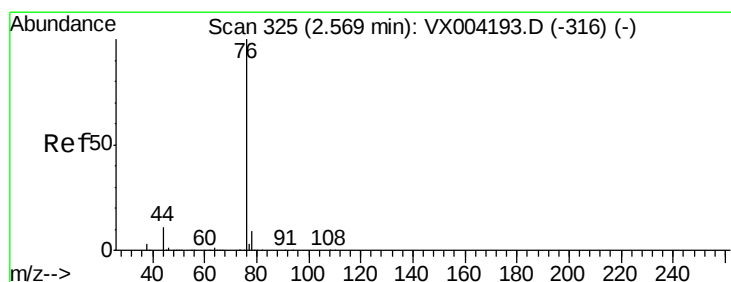
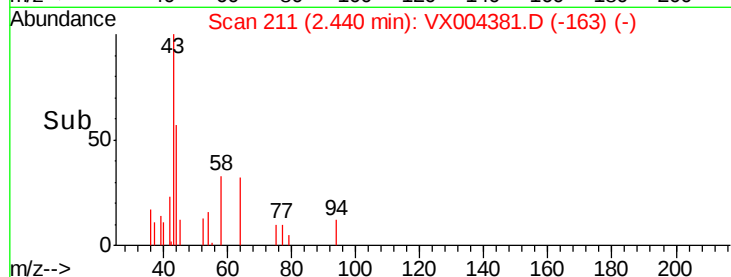
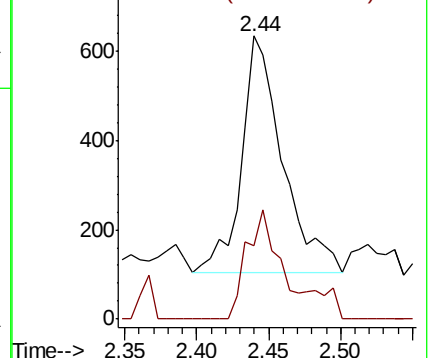
43 100

58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.02 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004381.D

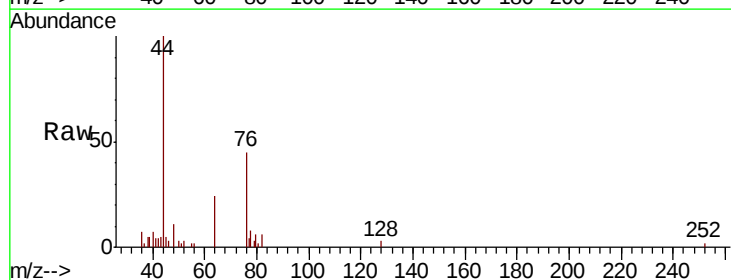
Acq: 06 Sep 2018 13:31

Tgt Ion: 76 Resp: 2094

Ion Ratio Lower Upper

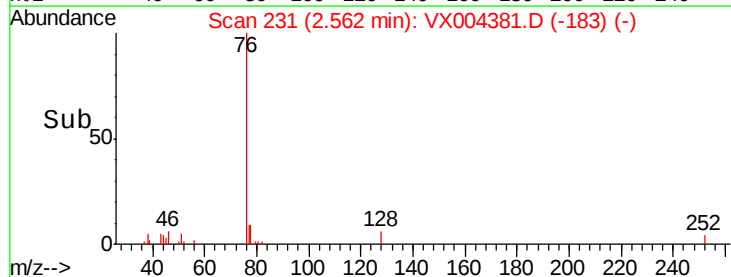
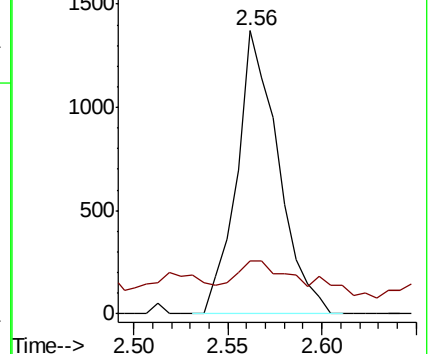
76 100

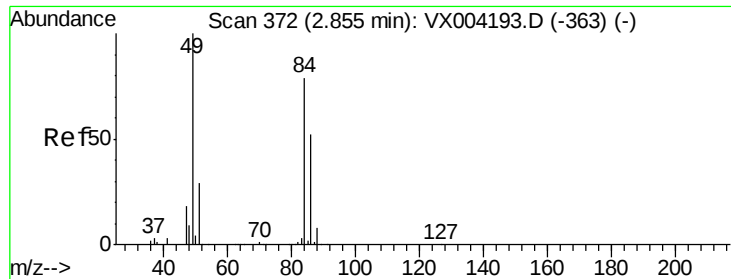
78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.40 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

VX0906MBL01

Tot Ion: 84 Resp: 1608

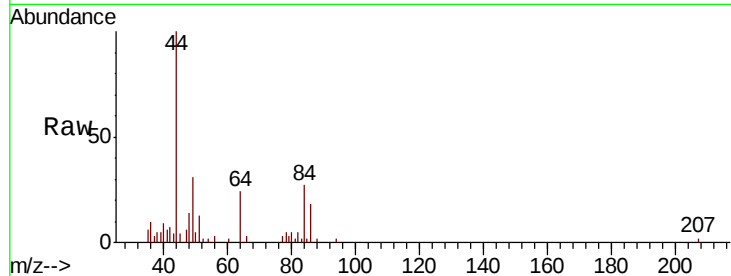
Ion Ratio Lower Upper

84 100

49 113.8 101.2 151.8

51 39.8 29.5 44.3

86 67.2 52.3 78.5

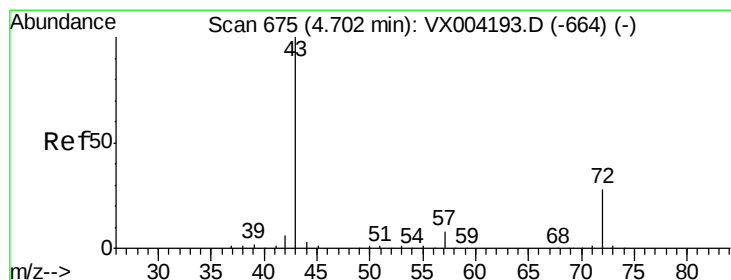
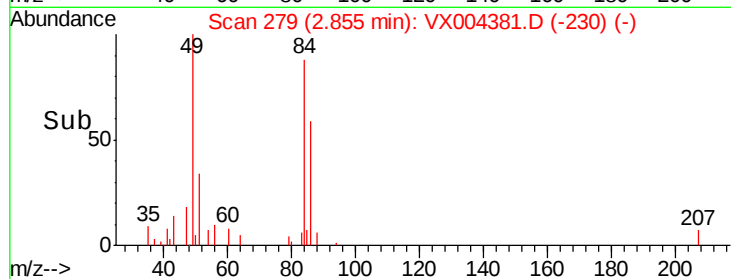
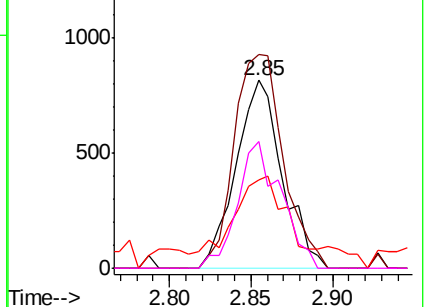


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: Below Cal

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX004381.D

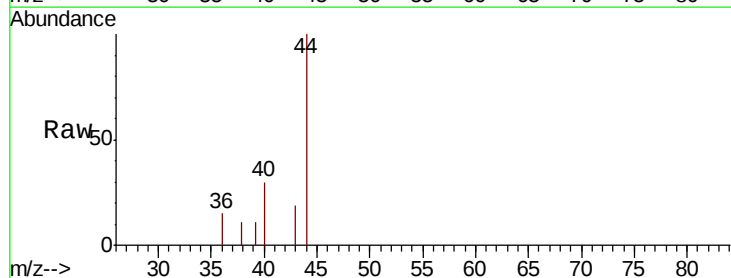
Acq: 06 Sep 2018 13:31

Tgt Ion: 43 Resp: 101

Ion Ratio Lower Upper

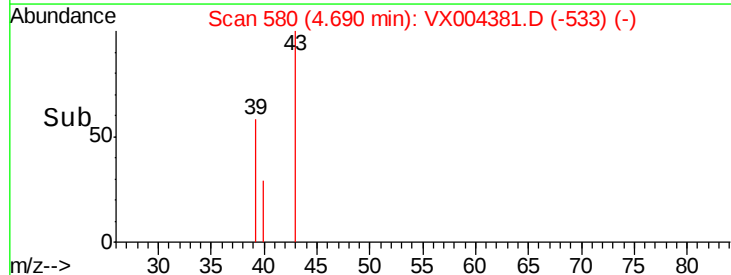
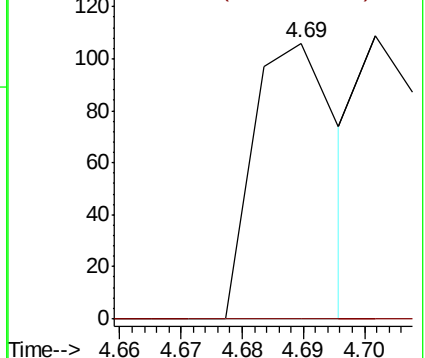
43 100

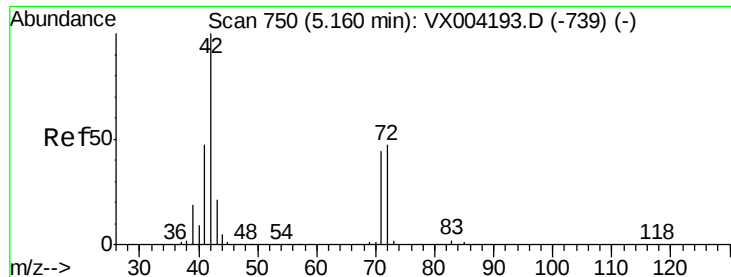
72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

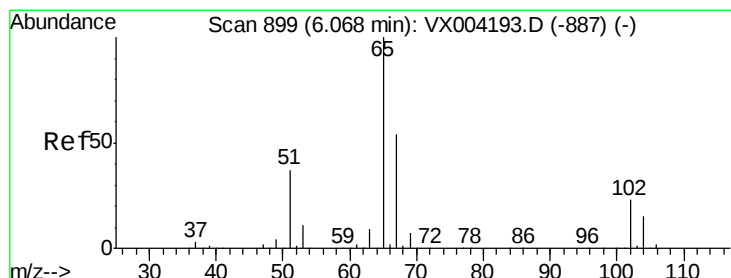
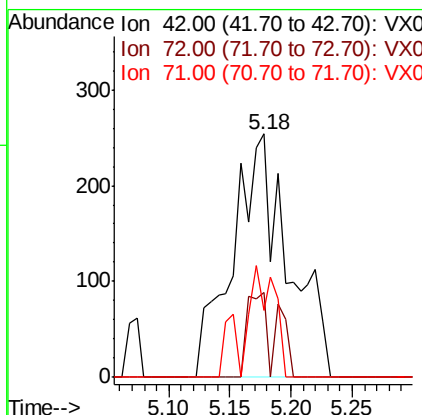
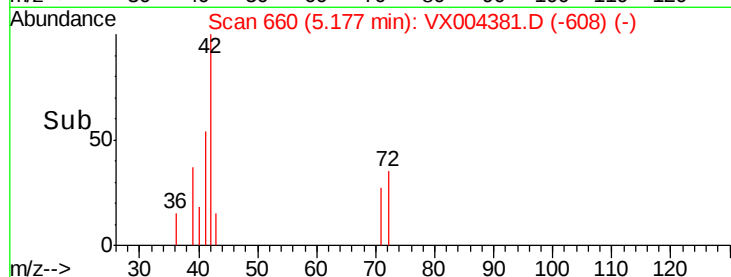
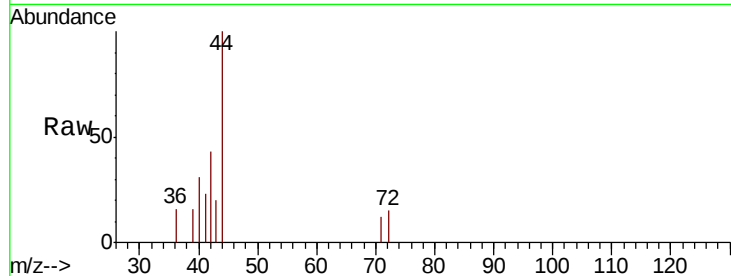




#29
 Tetrahydrofuran
 Concen: 0.45 ug/l
 RT: 5.18 min Scan# 660
 Delta R.T. 0.02 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

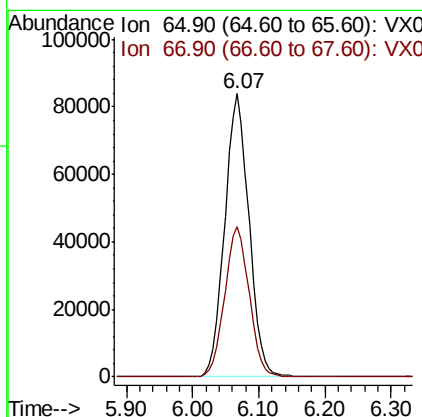
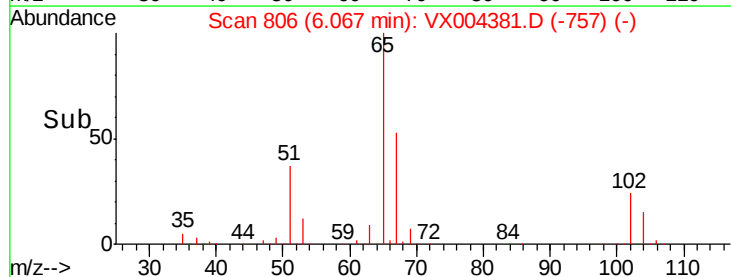
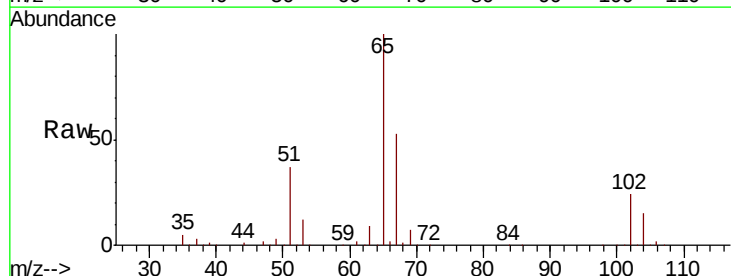
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBL01

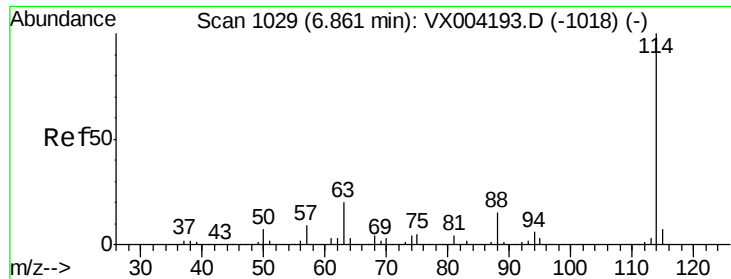
Tot Ion: 42 Resp: 803
 Ion Ratio Lower Upper
 42 100
 72 11.6 37.4 56.0#
 71 19.8 34.5 51.7#



#33
 1,2-Dichloroethane-d4
 Concen: 51.52 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

Tgt Ion: 65 Resp: 212847
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8

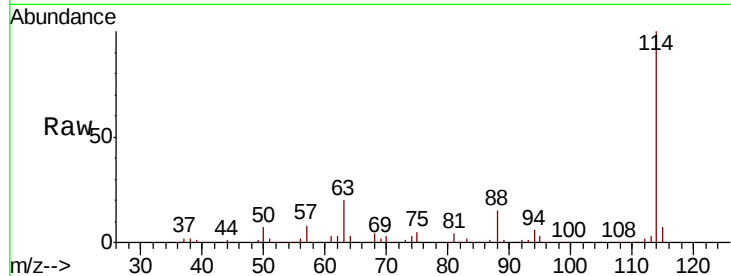




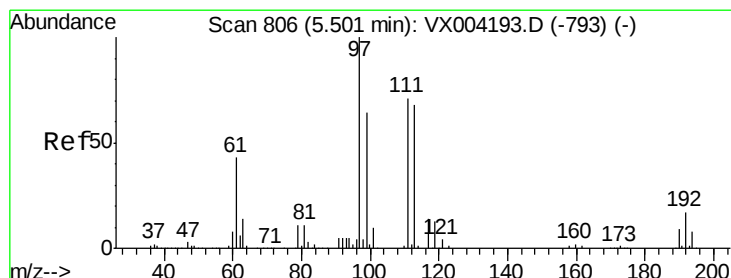
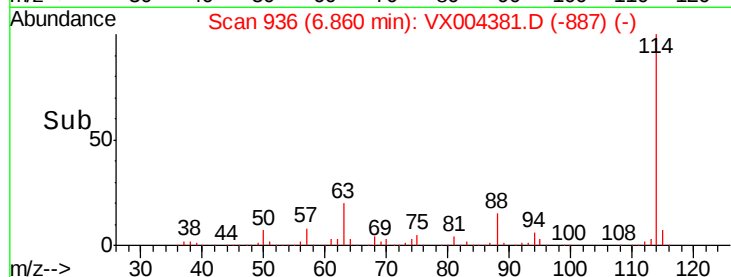
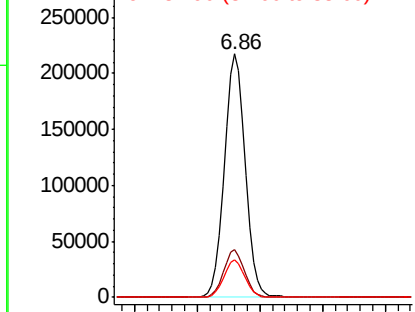
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0906MBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.4	0.0	30.4

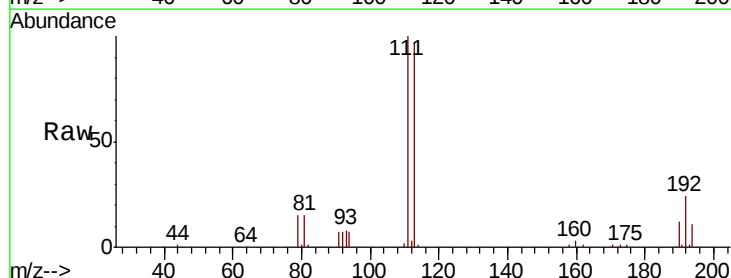


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

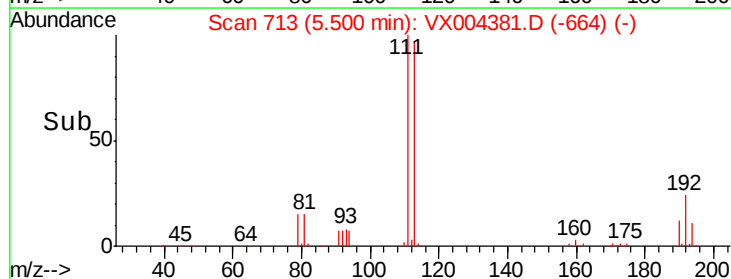
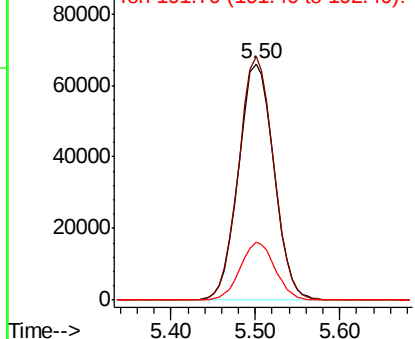


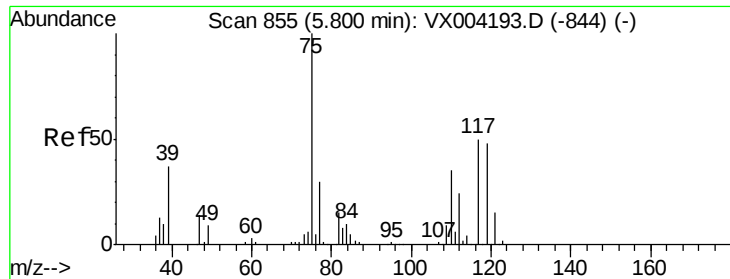
#35
 Dibromofluoromethane
 Concen: 50.39 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	24.0	19.4	29.2



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

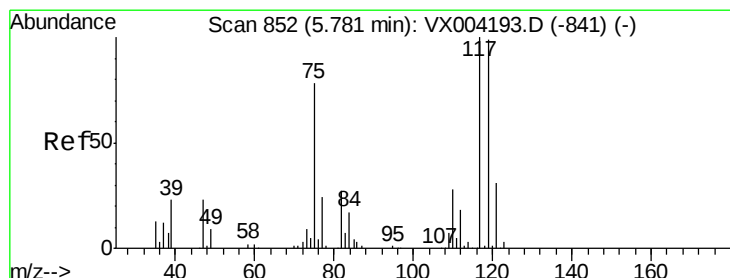
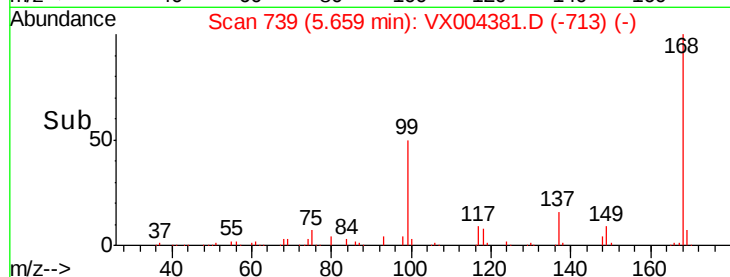
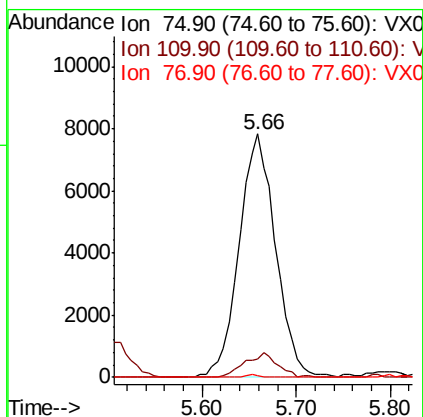
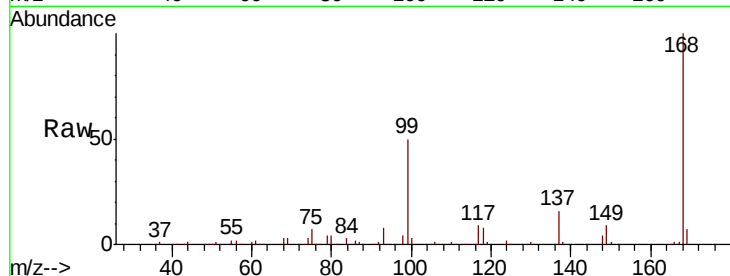




#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

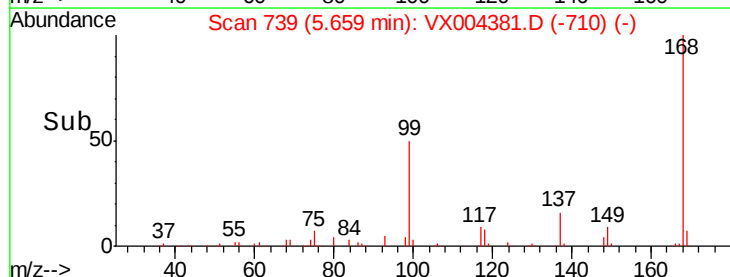
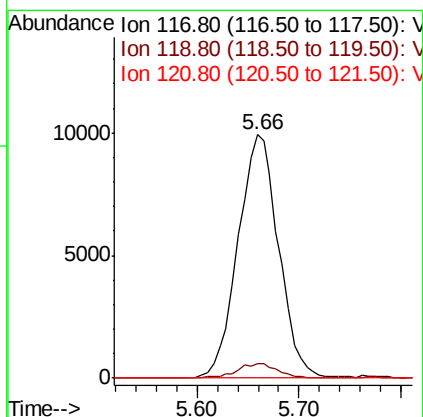
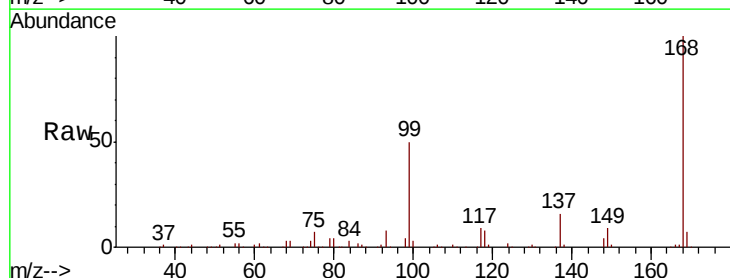
Instrument :
 MSVOA_X
 ClientSampled :
 VX0906MBL01

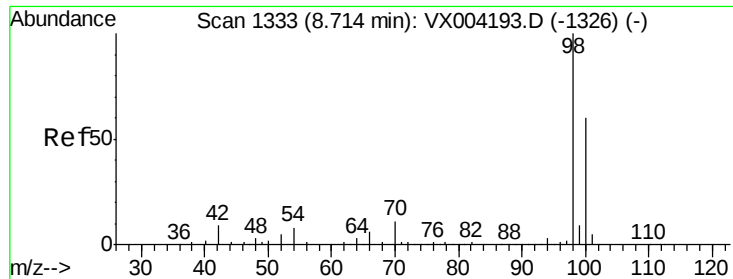
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.0	54.0#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004381.D
 Acq: 06 Sep 2018 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.8	118.2#
121	0.0	24.9	37.3#

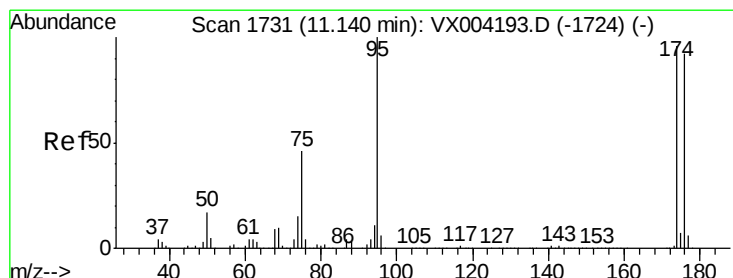
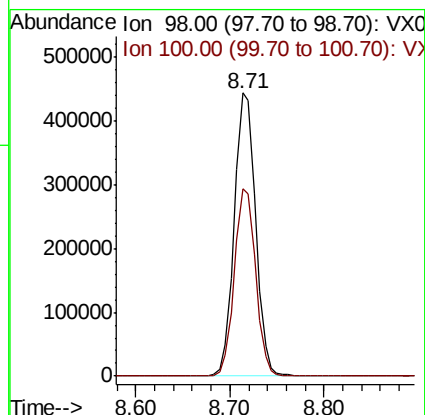
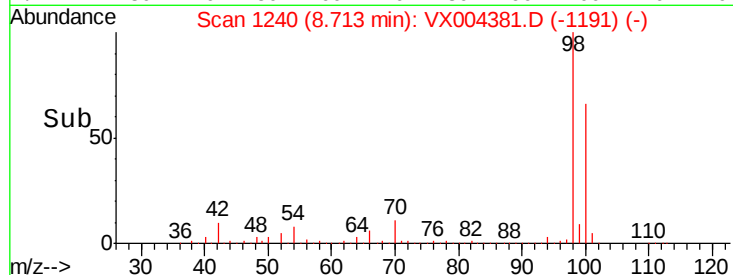
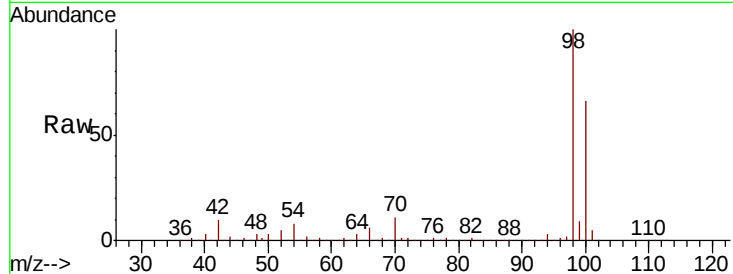




#50
Toluene-d8
Concen: 49.65 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

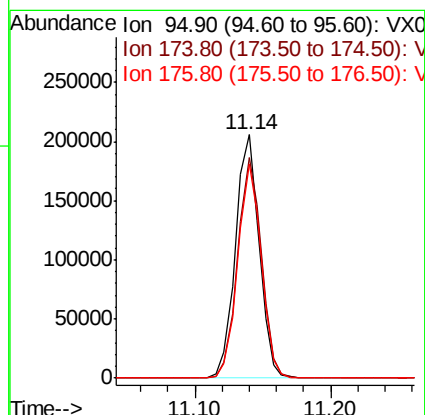
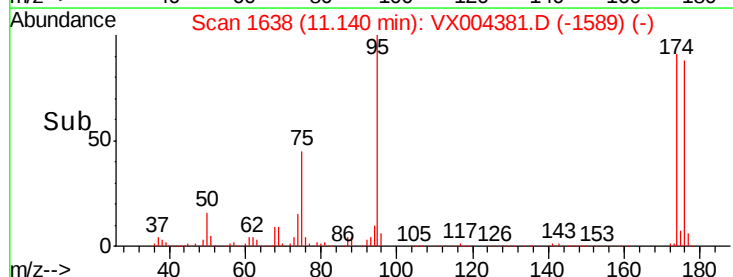
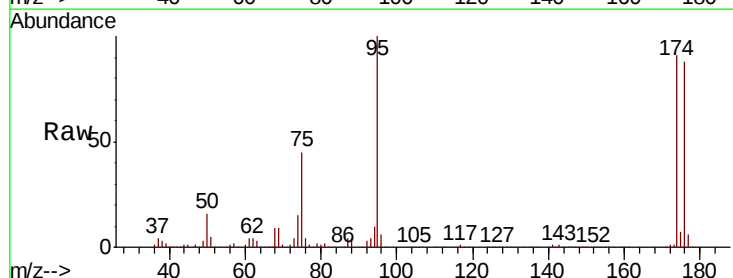
Instrument :
MSVOA_X
ClientSampleId :
VX0906MBL01

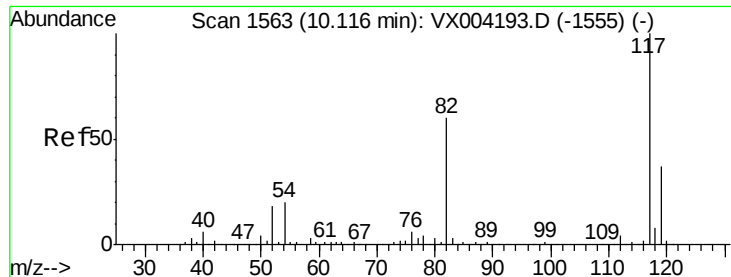
Tot Ion: 98 Resp: 699236
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 47.48 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

Tgt Ion: 95 Resp: 249493
Ion Ratio Lower Upper
95 100
174 91.4 0.0 185.2
176 87.5 0.0 178.6

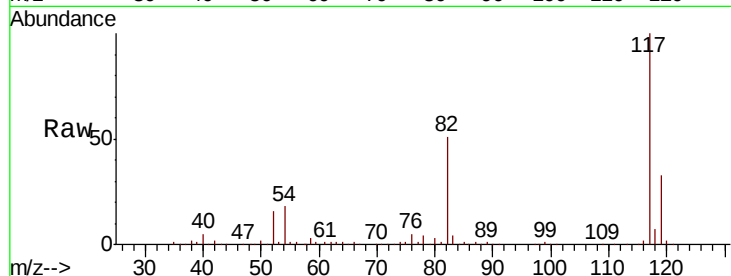




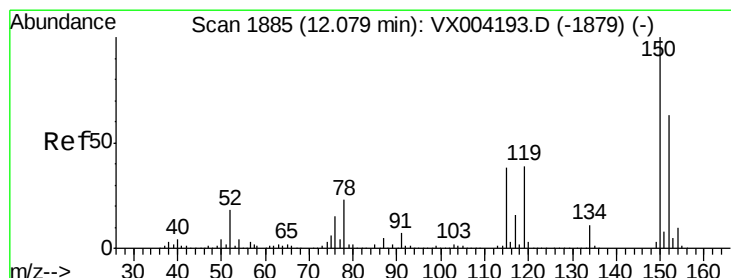
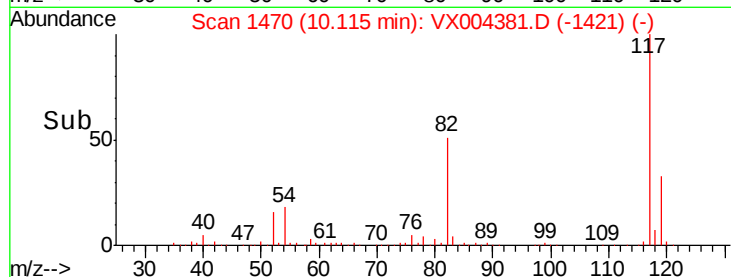
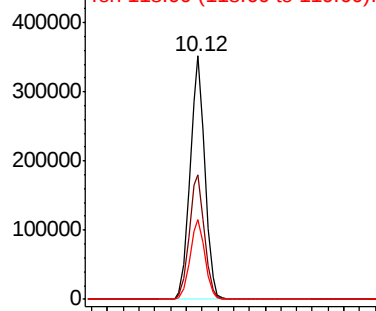
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

Instrument :
MSVOA_X
ClientSampleId :
VX0906MBL01

Tot Ion:117 Resp: 457382
Ion Ratio Lower Upper
117 100
82 51.2 47.8 71.6
119 32.9 29.3 43.9

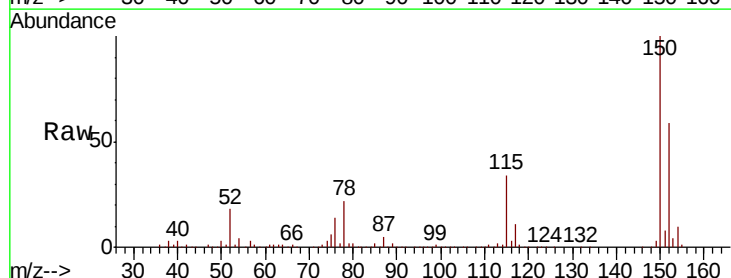


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

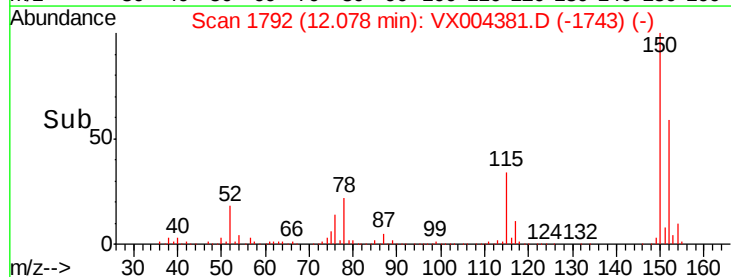
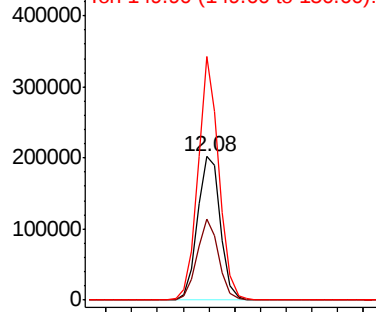


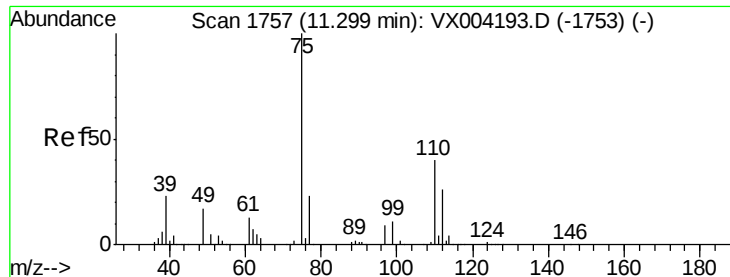
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004381.D
Acq: 06 Sep 2018 13:31

Tgt Ion:152 Resp: 252455
Ion Ratio Lower Upper
152 100
115 53.5 39.0 117.0
150 153.9 0.0 351.0



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: 22.63 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

Instrument :

MSVOA_X

ClientSampled :

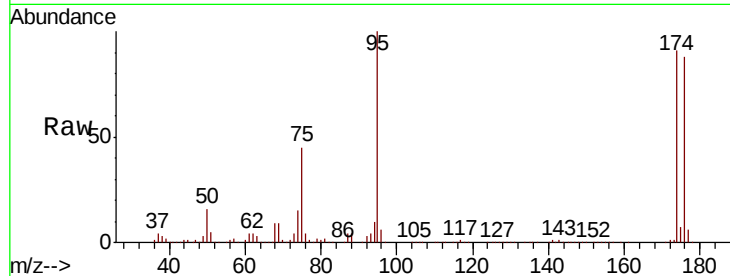
VX0906MBL01

Tot Ion: 75 Resp: 116211

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

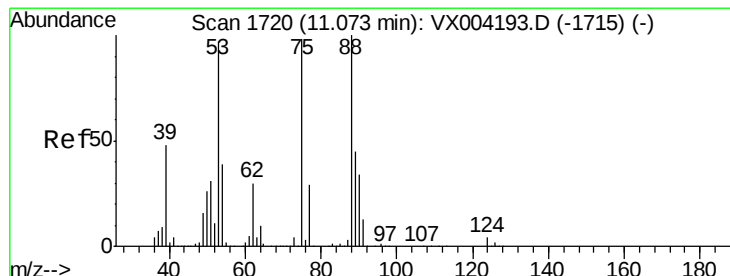
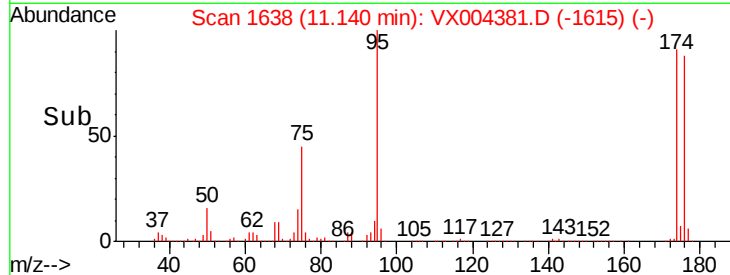
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 73.44 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX004381.D

Acq: 06 Sep 2018 13:31

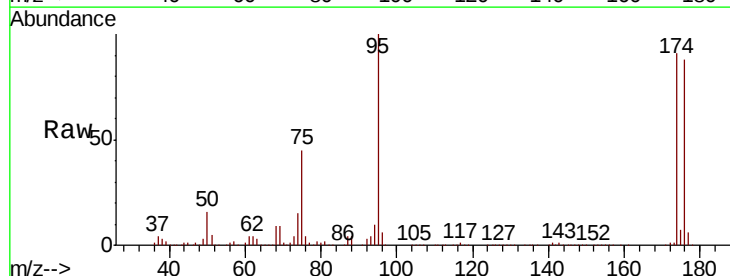
Tgt Ion: 75 Resp: 116211

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

11.14

120000

100000

80000

60000

40000

20000

0

Time-->

