

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004646.D
 Acq On : 18 Sep 2018 09:46
 Operator : JC/MD
 Sample : VX0918WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 15:21:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	251382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212178	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	163135	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
35) Dibromofluoromethane	5.50	113	148101	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	8.71	98	484485	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
62) 4-Bromofluorobenzene	11.14	95	168740	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

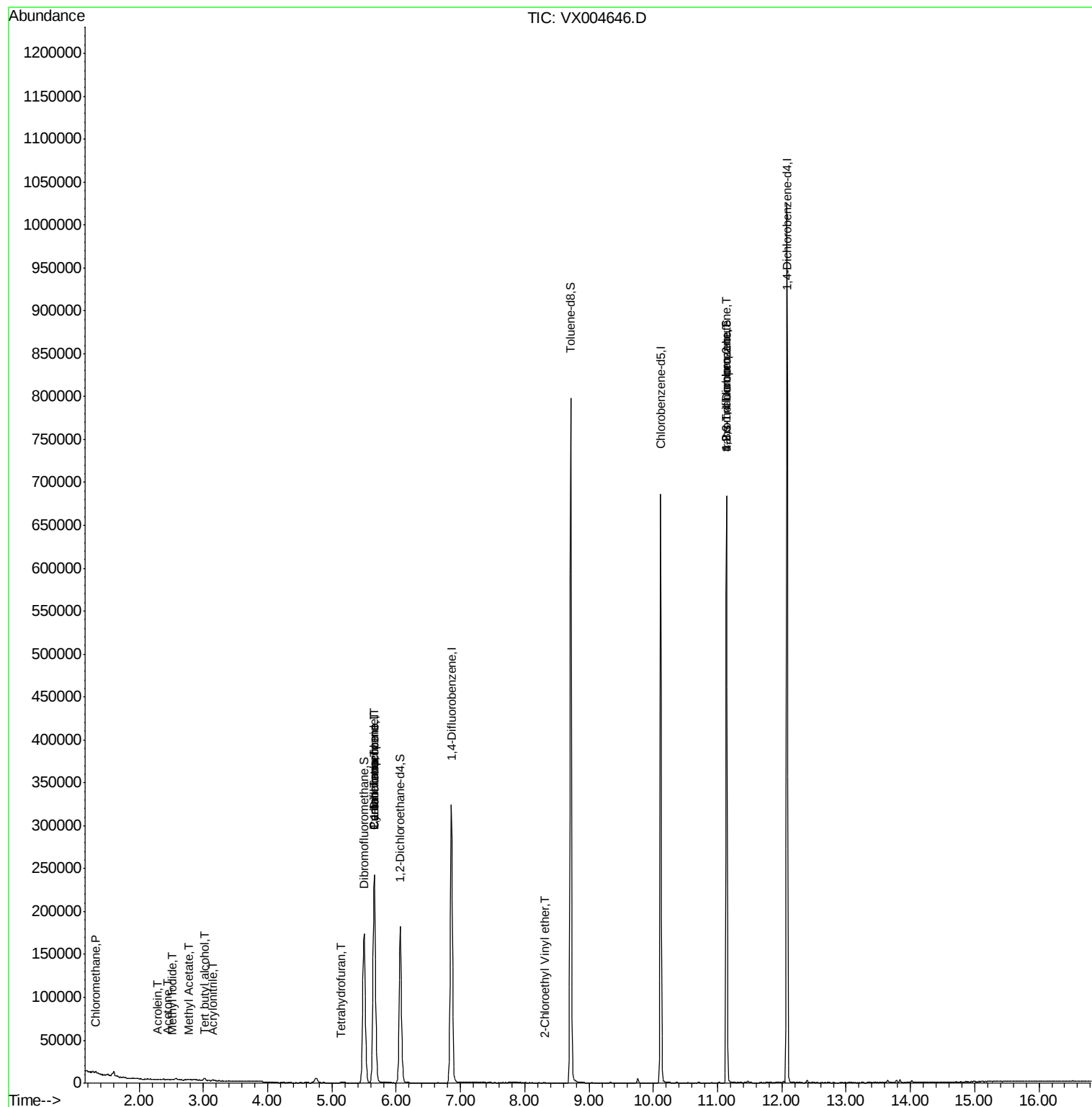
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	691	0.213	ug/l	96
5) Bromomethane	1.65	94	899	Below Cal		84
10) Methyl Iodide	2.51	142	545	4.405	ug/l #	86
11) Tert butyl alcohol	3.01	59	1606	2.076	ug/l #	72
13) Acrolein	2.29	56	279	0.914	ug/l #	82
15) Acrylonitrile	3.15	53	585	0.314	ug/l #	77
16) Acetone	2.44	43	717	0.453	ug/l #	84
18) Methyl Acetate	2.78	43	905	0.204	ug/l	100
29) Tetrahydrofuran	5.15	42	857	0.564	ug/l #	82
31) Cyclohexane	5.66	56	4071	0.868	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16199	3.911	ug/l #	49
38) Carbon Tetrachloride	5.66	117	21100	5.215	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.32	63	63	7.299	ug/l #	45
76) 1,2,3-Trichloropropane	11.14	75	78813	18.462	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78813	58.849	ug/l #	10

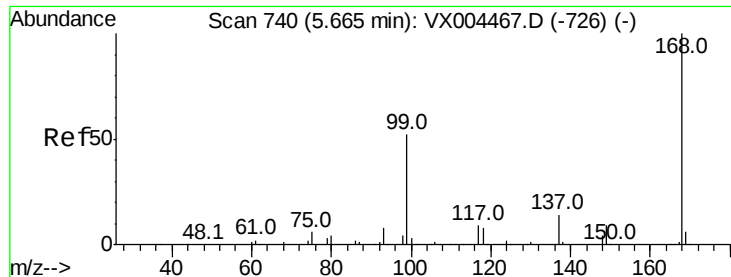
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091818\
Data File : VX004646.D
Acq On : 18 Sep 2018 09:46
Operator : JC/MD
Sample : VX0918WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :

Quant Time: Sep 18 15:21:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

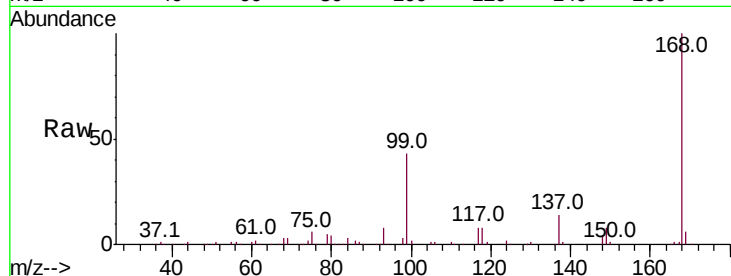
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 251382

Ion Ratio Lower Upper

168 100

99 42.9 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

80000

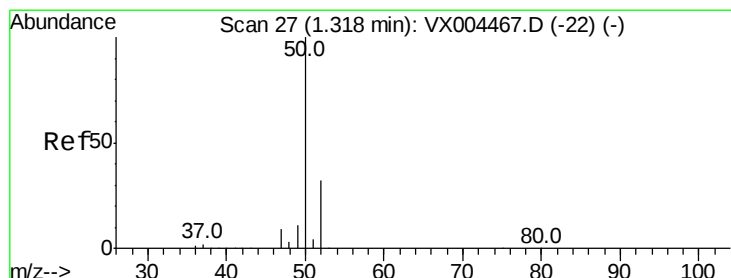
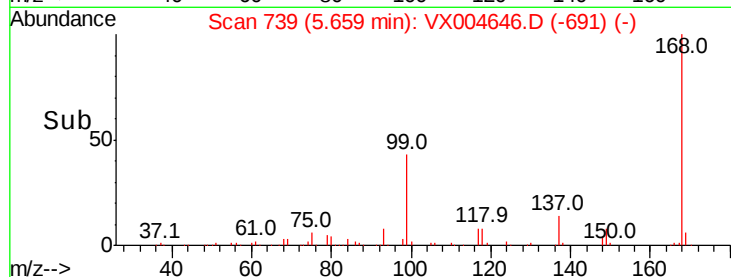
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.213 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004646.D

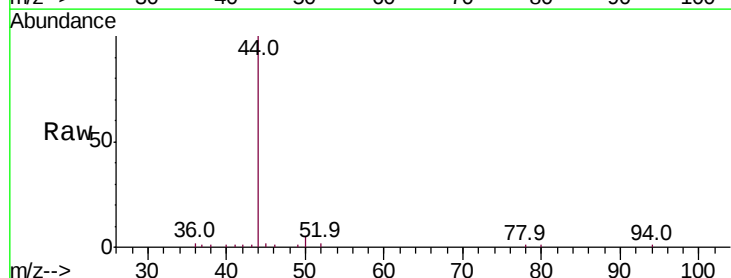
Acq: 18 Sep 2018 09:46

Tgt Ion: 50 Resp: 691

Ion Ratio Lower Upper

50 100

52 35.0 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

600

500

400

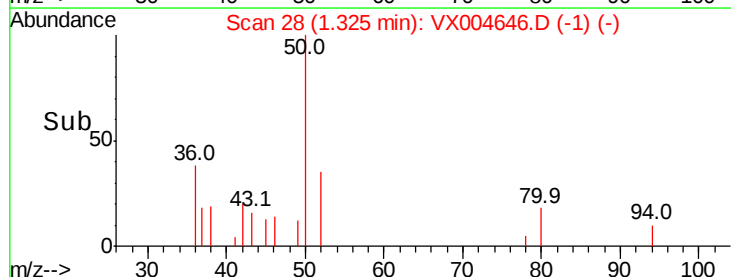
300

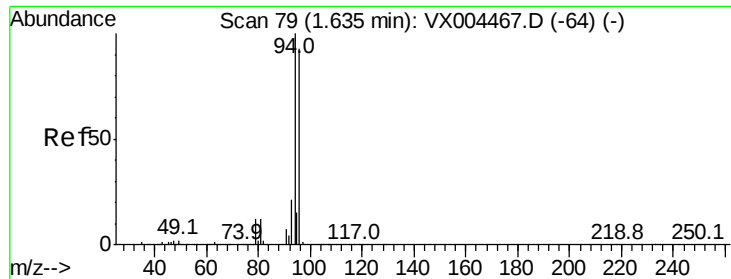
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

Instrument :

MSVOA_X

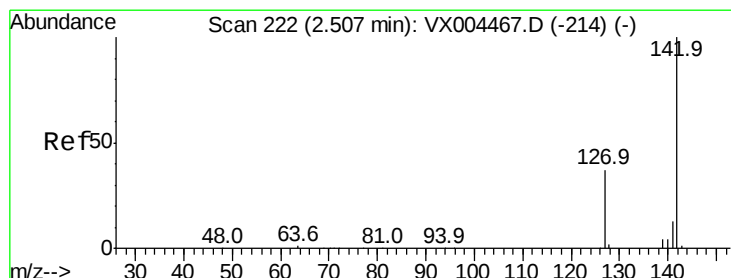
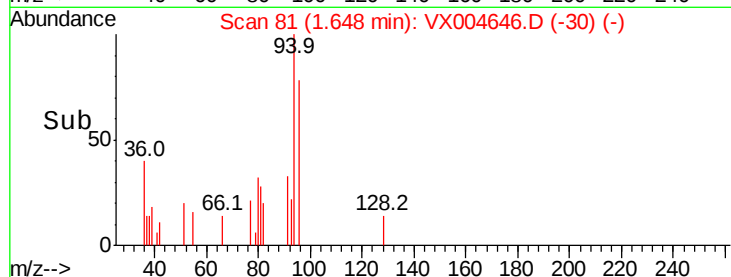
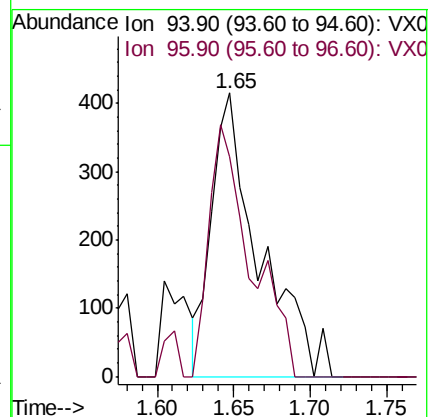
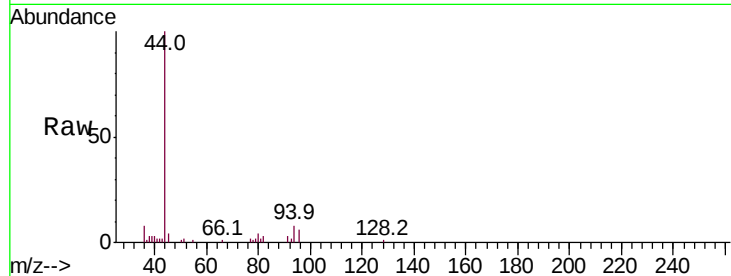
ClientSampled :

Tot Ion: 94 Resp: 899

Ion Ratio Lower Upper

94 100

96 77.6 74.5 111.7



#10

Methyl Iodide

Concen: 4.405 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

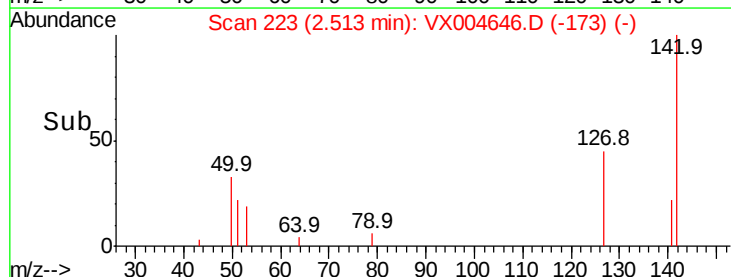
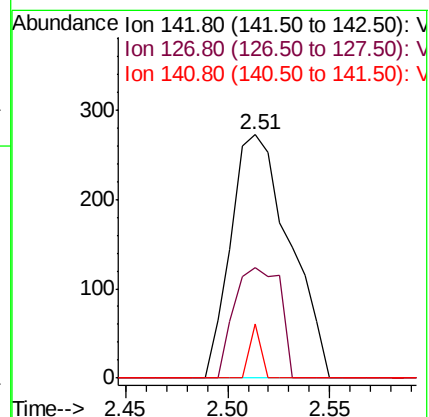
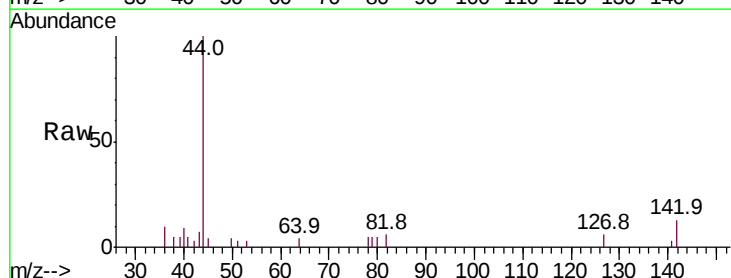
Tgt Ion: 142 Resp: 545

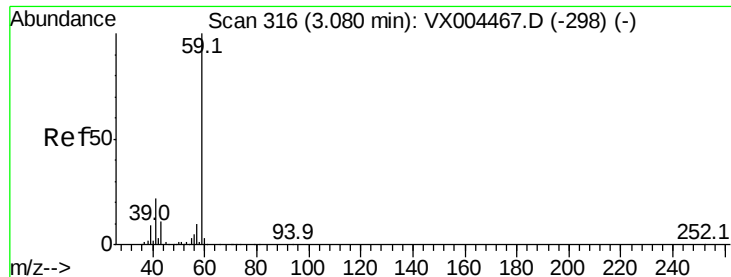
Ion Ratio Lower Upper

142 100

127 35.4 33.8 50.6

141 4.0 11.4 17.0#



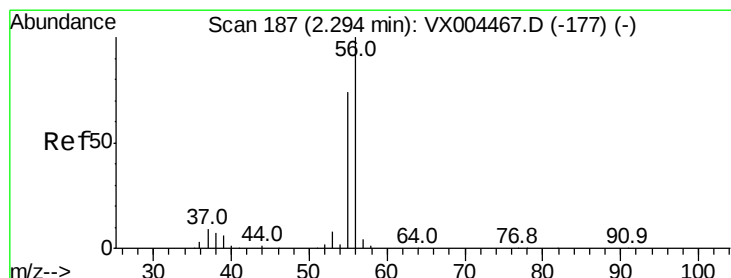
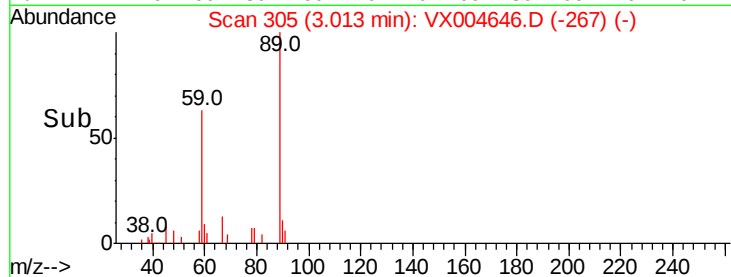
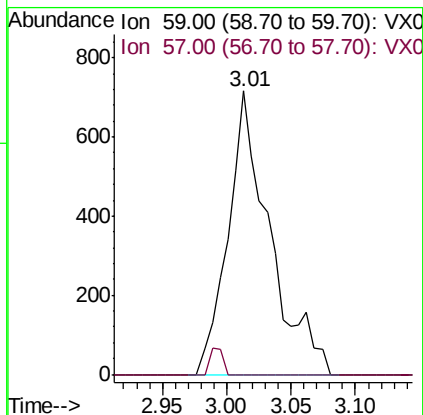
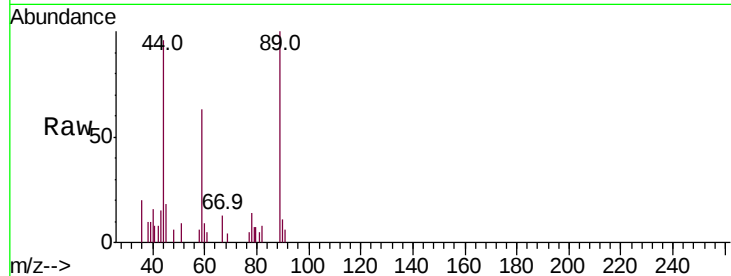


#11

Tert butyl alcohol
 Concen: 2.076 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Instrument :
 MSVOA_X
 ClientSampled :

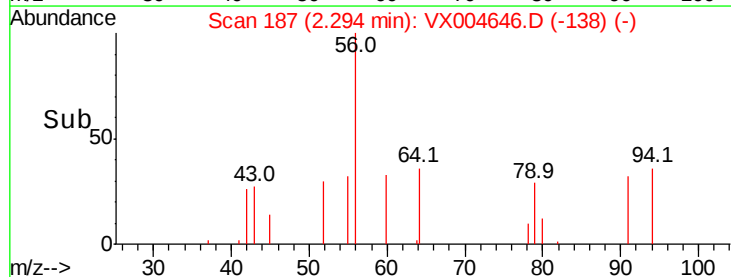
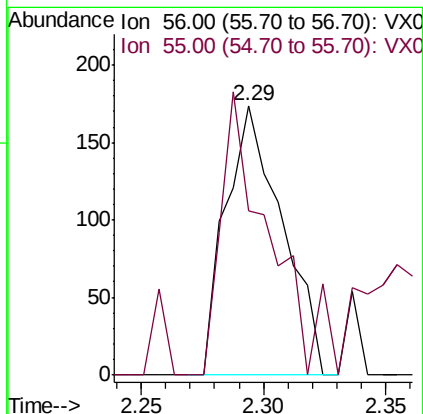
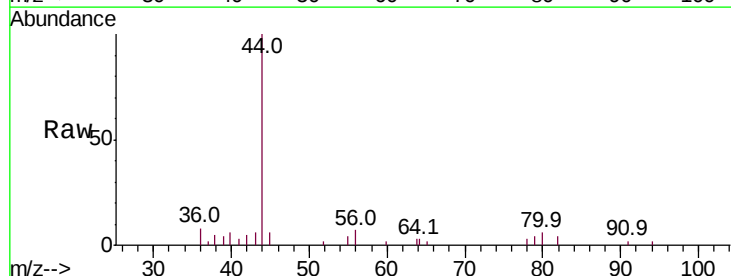
Tot Ion: 59 Resp: 1606
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

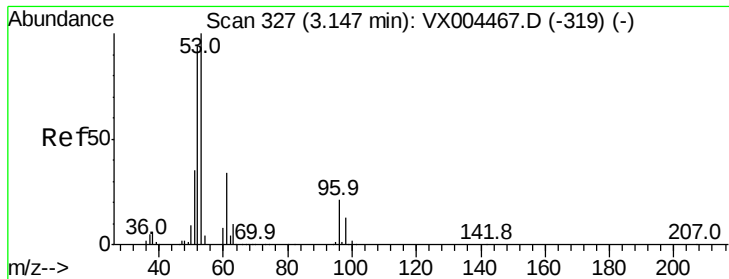


#13

Acrolein
 Concen: 0.914 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Tgt Ion: 56 Resp: 279
 Ion Ratio Lower Upper
 56 100
 55 82.8 54.7 82.1#





#15

Acrylonitrile

Concen: 0.314 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

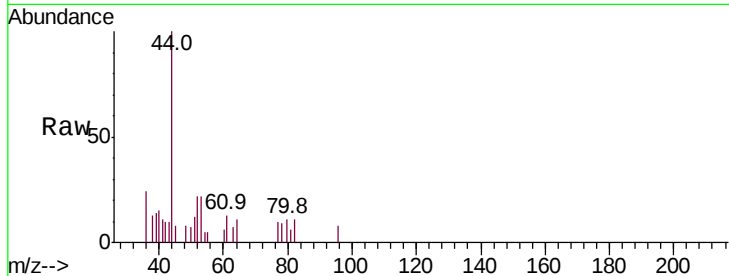
Tot Ion: 53 Resp: 585

Ion Ratio Lower Upper

53 100

52 96.2 65.2 97.8

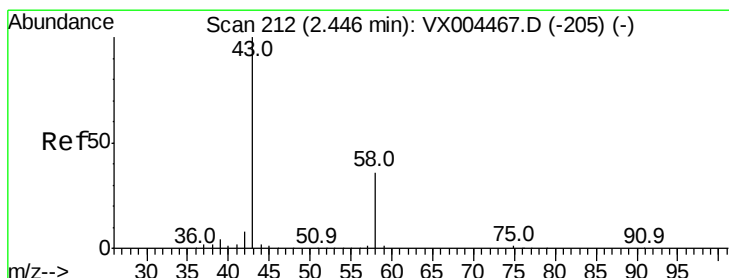
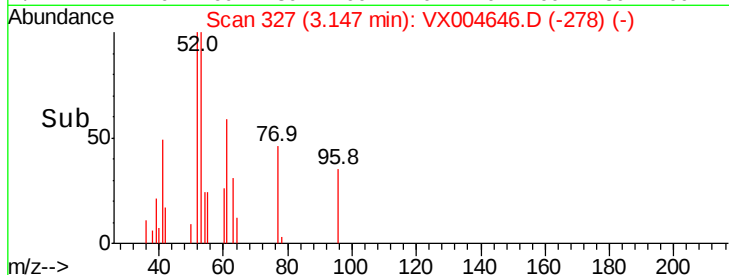
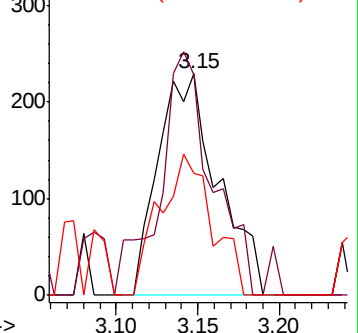
51 56.4 28.2 42.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.453 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004646.D

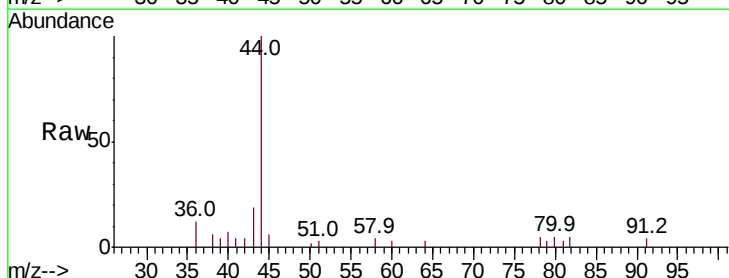
Acq: 18 Sep 2018 09:46

Tgt Ion: 43 Resp: 717

Ion Ratio Lower Upper

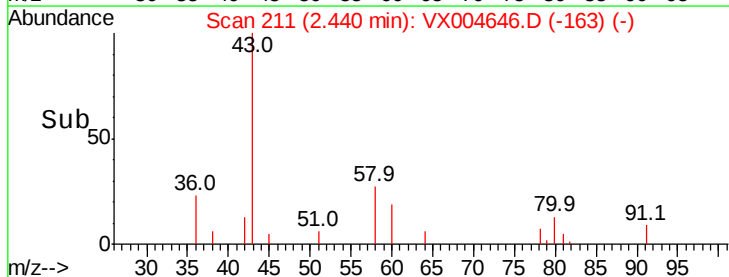
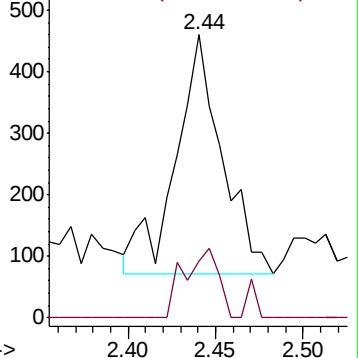
43 100

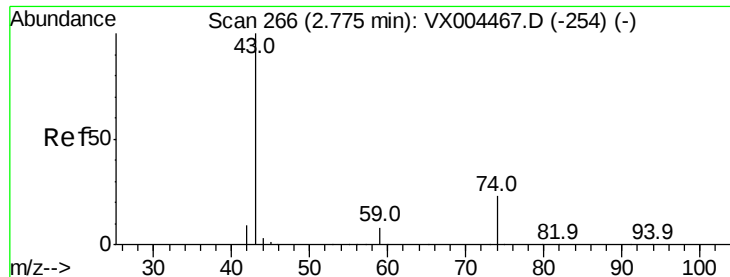
58 23.7 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

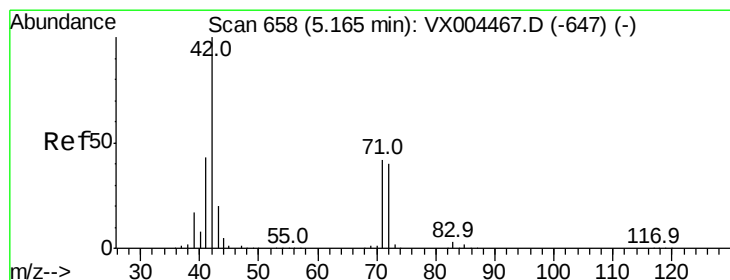
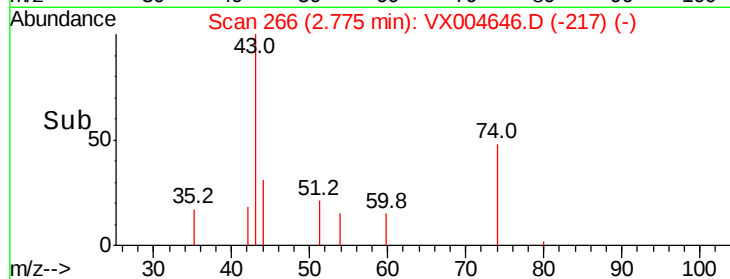
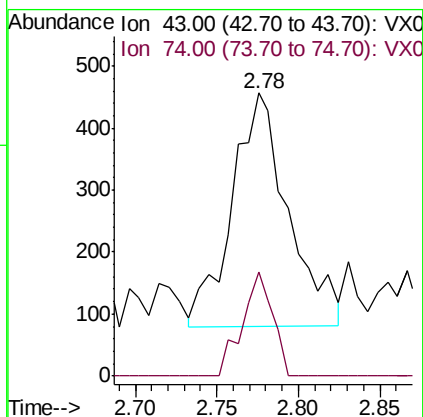
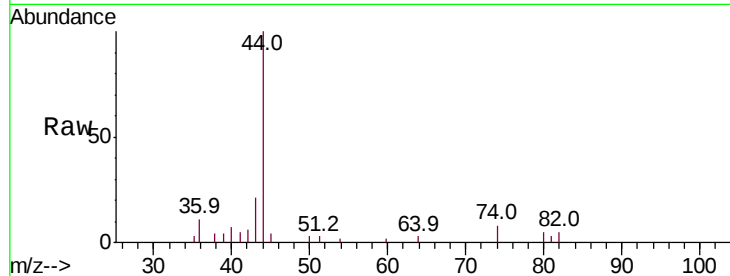




#18
Methvl Acetate
Concen: 0.204 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

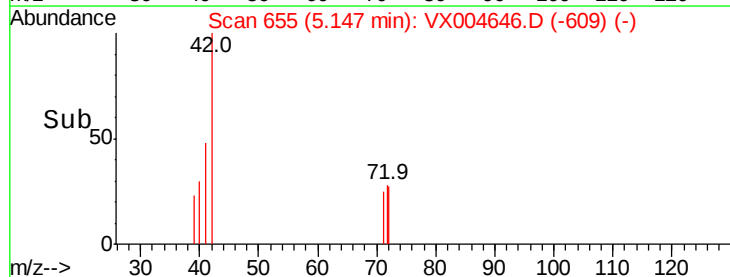
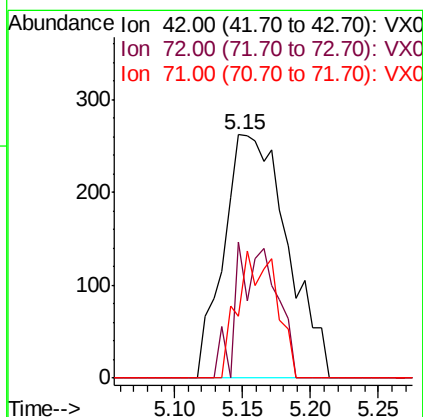
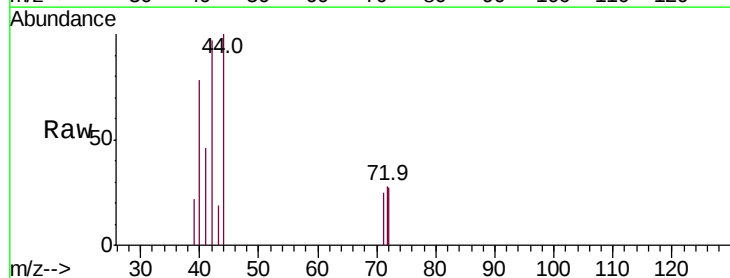
Instrument :
MSVOA_X
ClientSampled :

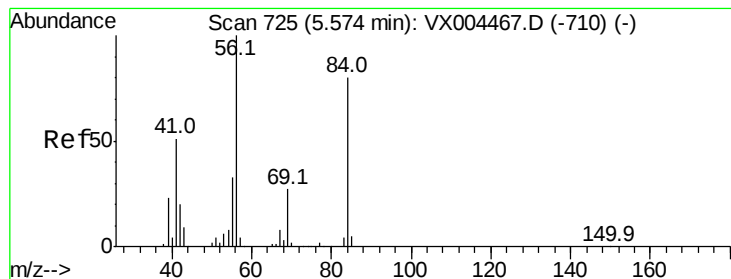
Tot Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.564 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.02 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

Tgt Ion: 42 Resp: 857
Ion Ratio Lower Upper
42 100
72 34.2 37.4 56.0#
71 31.6 34.5 51.7#





#31

Cyclohexane

Concen: 0.868 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

Instrument :

MSVOA_X

ClientSampled :

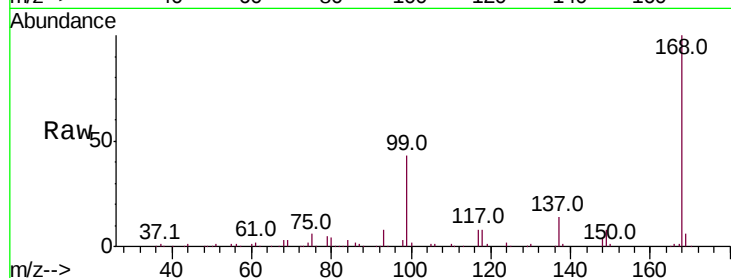
Tot Ion: 56 Resp: 4071

Ion Ratio Lower Upper

56 100

69 217.4 25.4 38.2#

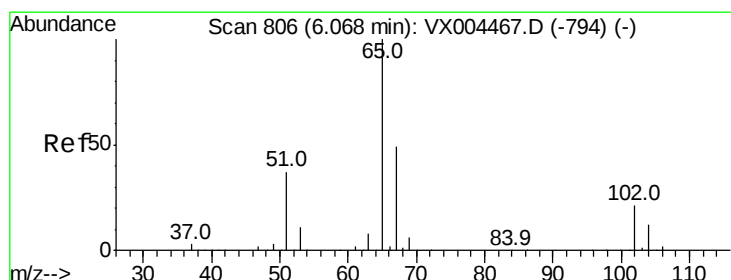
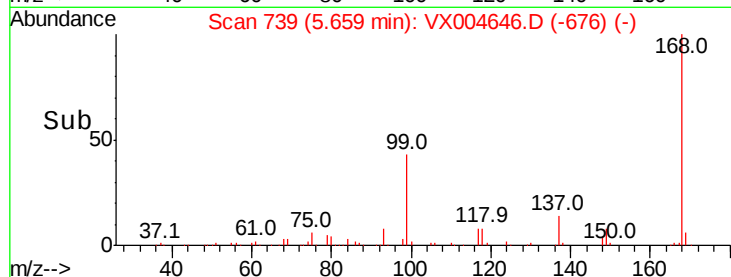
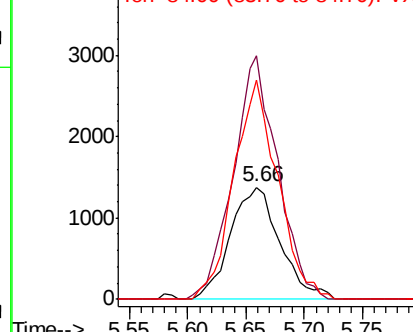
84 195.6 71.4 107.2#



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: 50.330 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004646.D

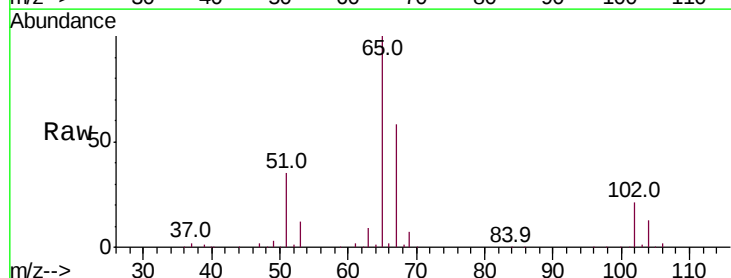
Acq: 18 Sep 2018 09:46

Tgt Ion: 65 Resp: 163135

Ion Ratio Lower Upper

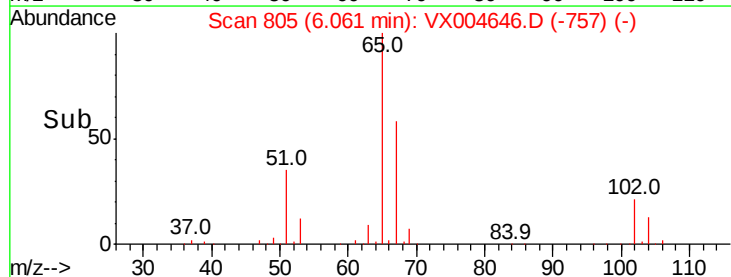
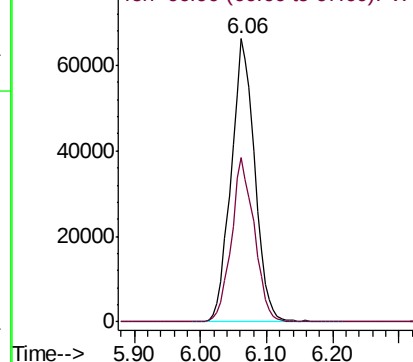
65 100

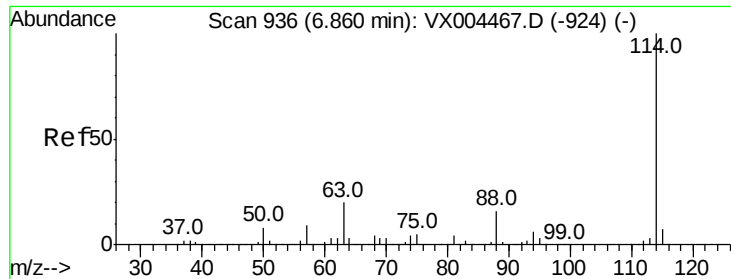
67 56.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

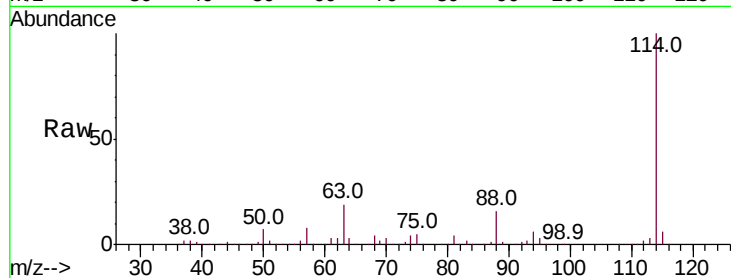




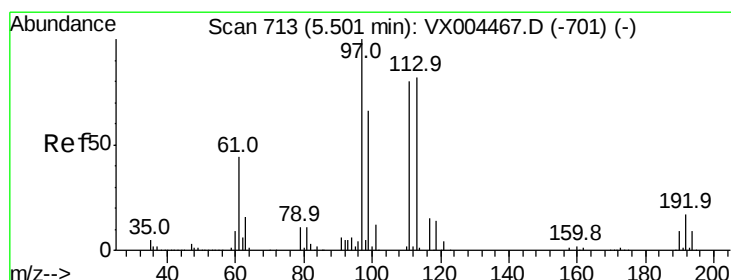
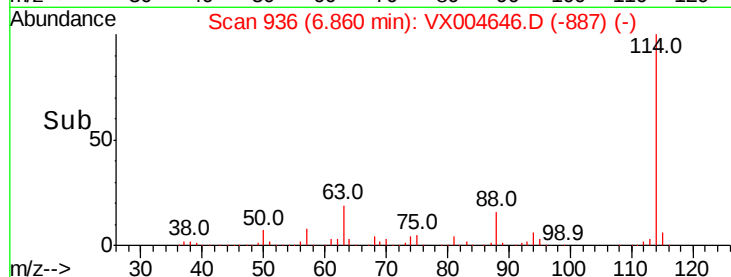
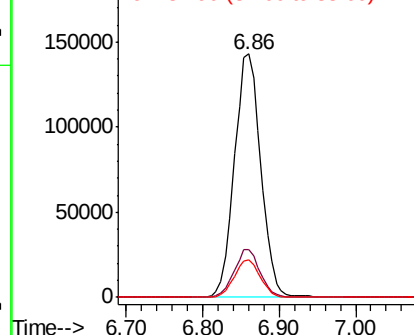
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 341185
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.6 0.0 30.4

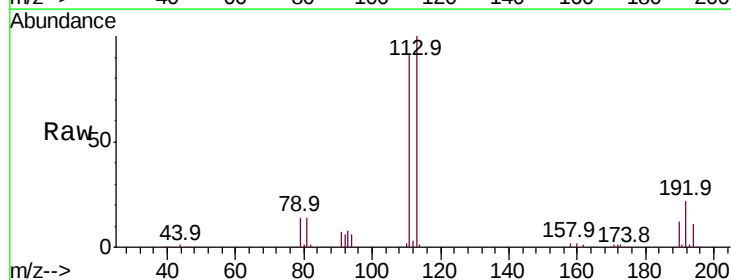


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

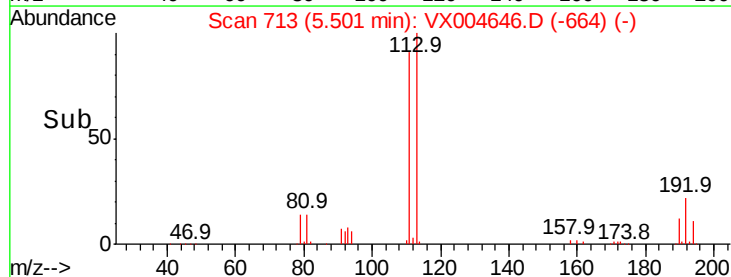
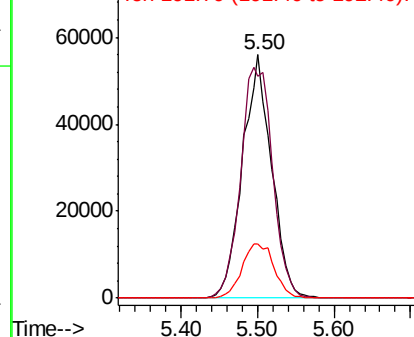


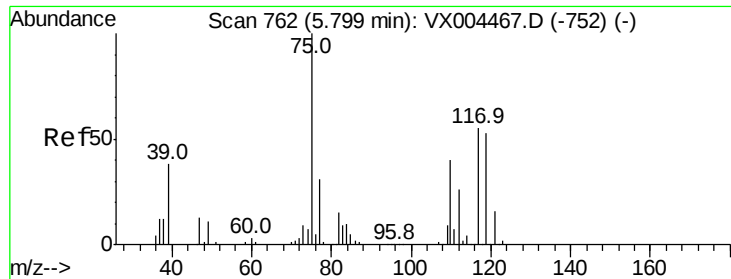
#35
 Dibromofluoromethane
 Concen: 47.435 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Tgt Ion:113 Resp: 148101
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.4 123.6
 192 24.7 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

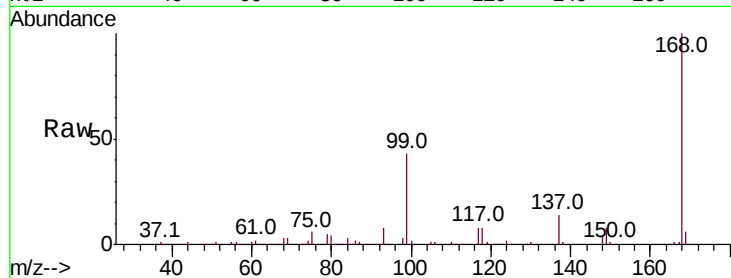




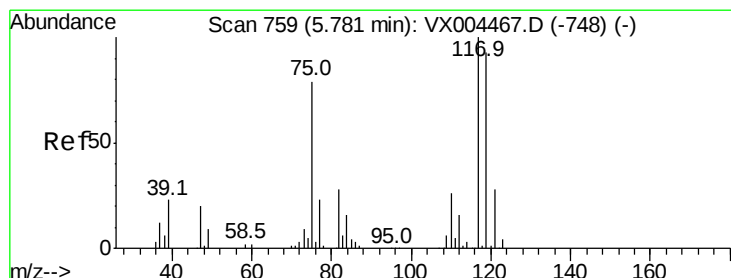
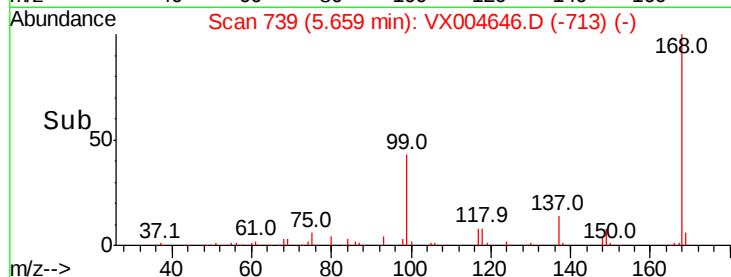
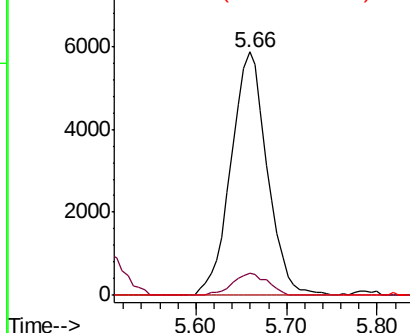
#36
 1,1-Dichloropropene
 Concen: 3.911 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.0	54.0#
77	0.0	24.6	36.8#

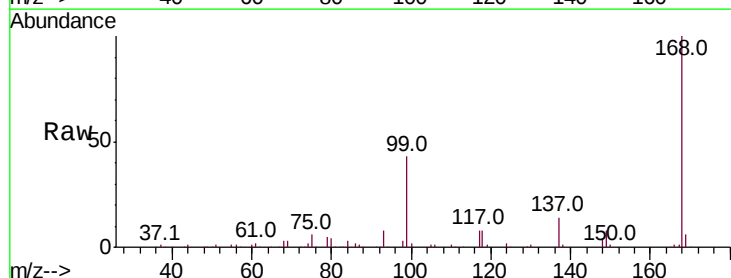


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

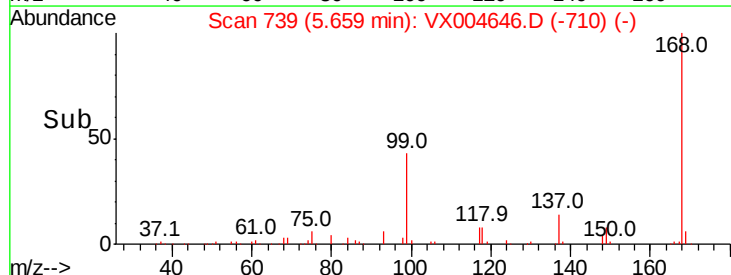
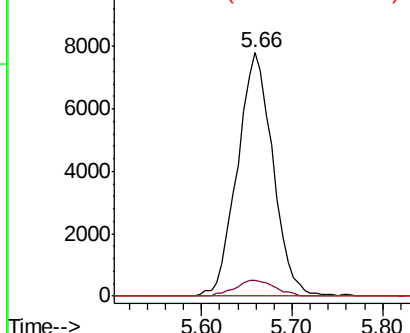


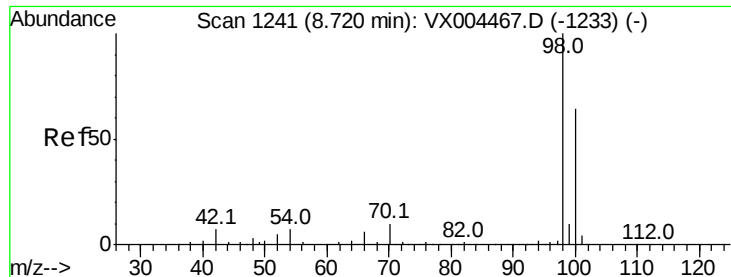
#38
 Carbon Tetrachloride
 Concen: 5.215 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004646.D
 Acq: 18 Sep 2018 09:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	78.8	118.2#
121	0.0	24.9	37.3#



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: 46.273 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

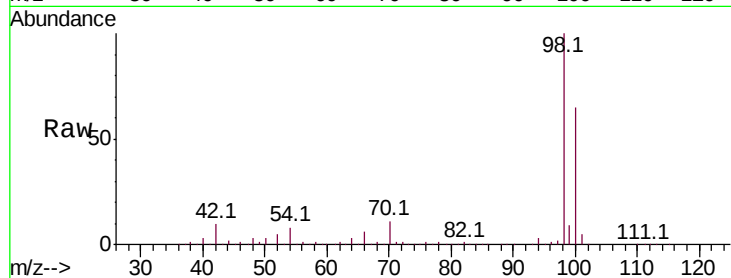
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 484485

Ion Ratio Lower Upper

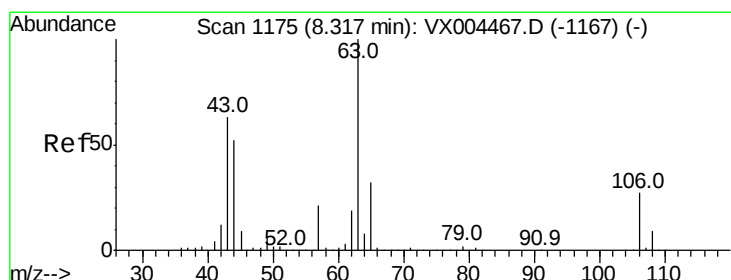
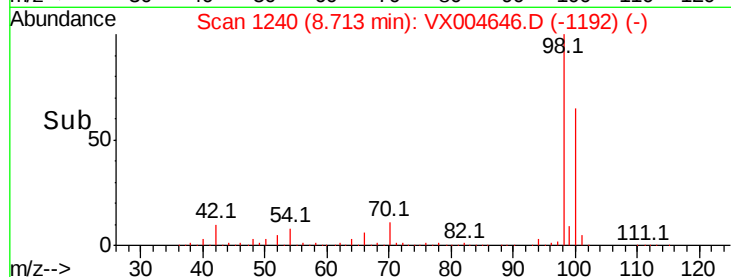
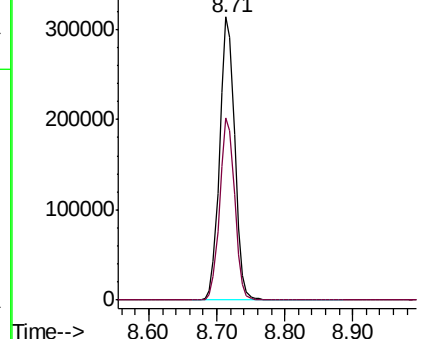
98 100

100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#58

2-Chloroethyl Vinyl ether

Concen: 7.299 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX004646.D

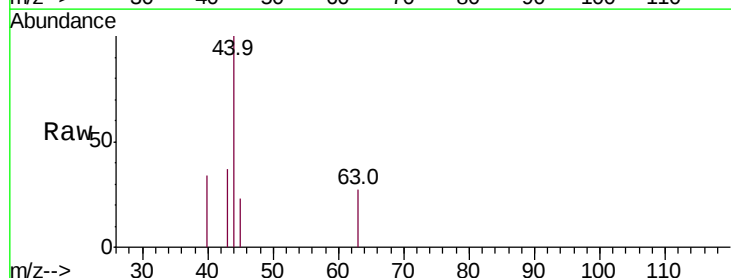
Acq: 18 Sep 2018 09:46

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

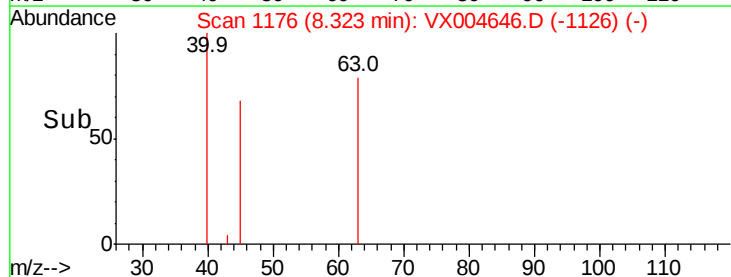
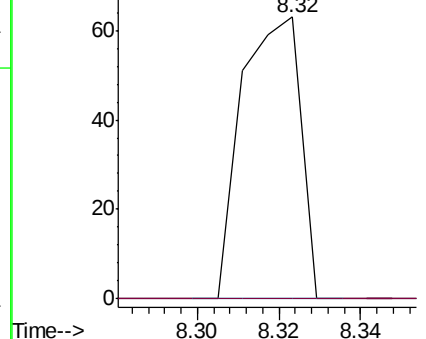
63 100

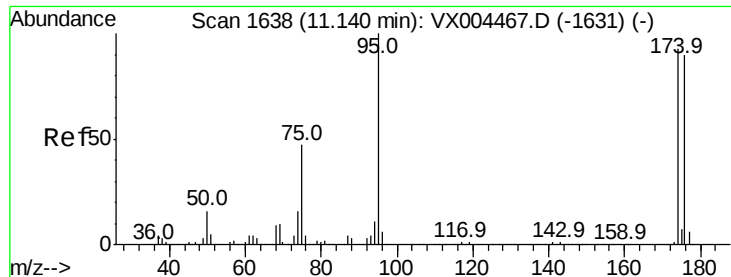
106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

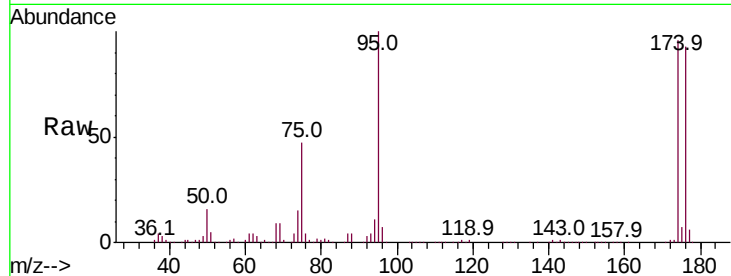




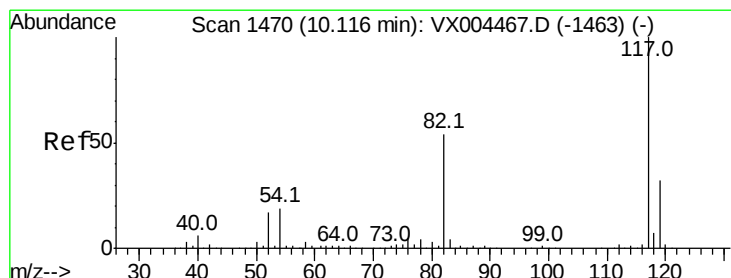
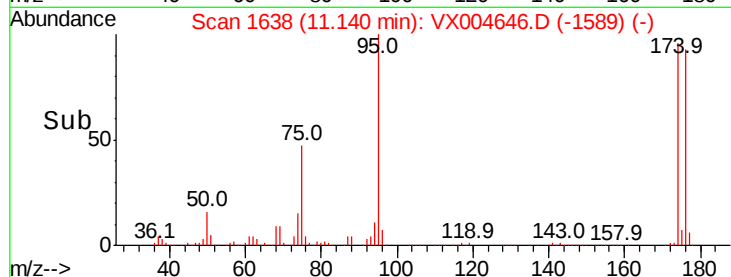
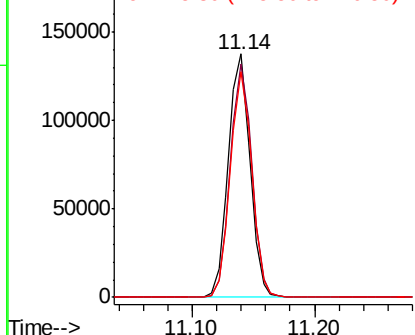
#62
4-Bromofluorobenzene
Concen: 45.149 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 168740
Ion Ratio Lower Upper
95 100
174 95.2 0.0 185.2
176 91.5 0.0 178.6

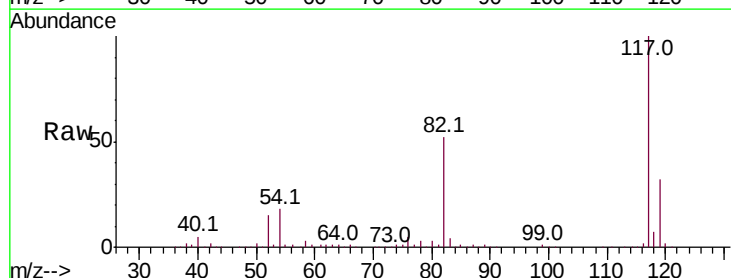


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

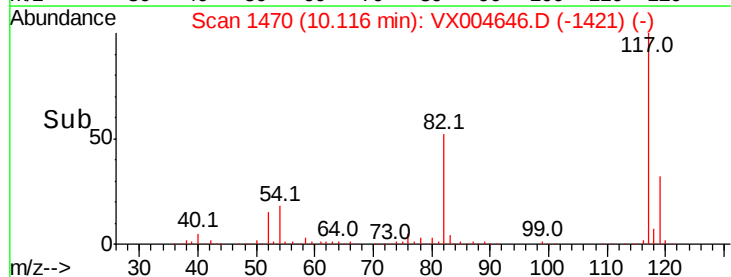
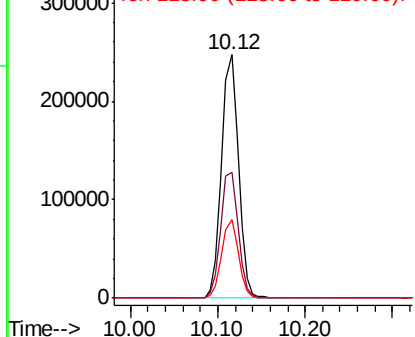


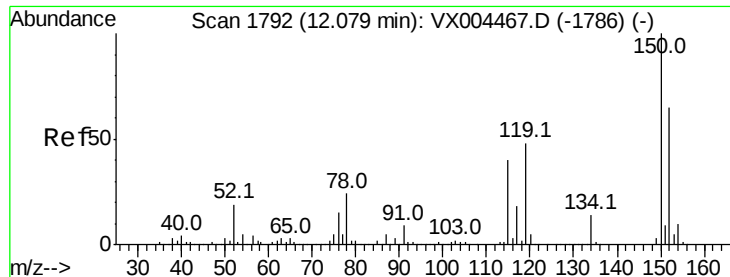
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

Tgt Ion: 117 Resp: 329817
Ion Ratio Lower Upper
117 100
82 51.6 47.8 71.6
119 32.0 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



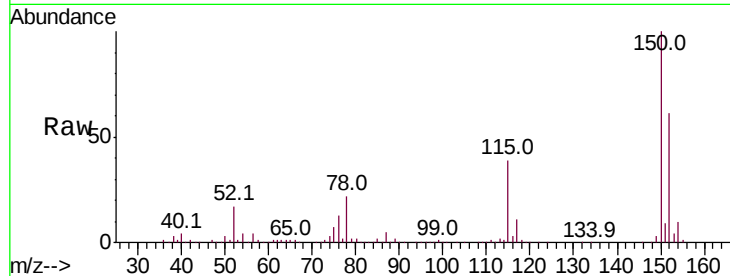


#72

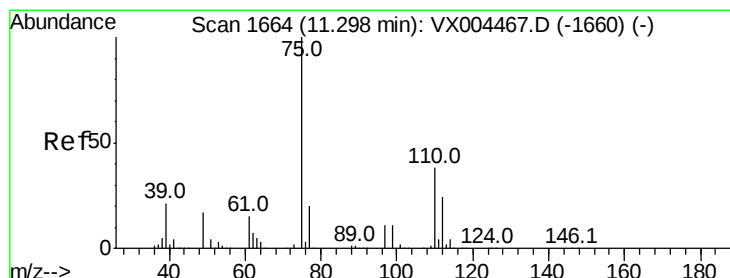
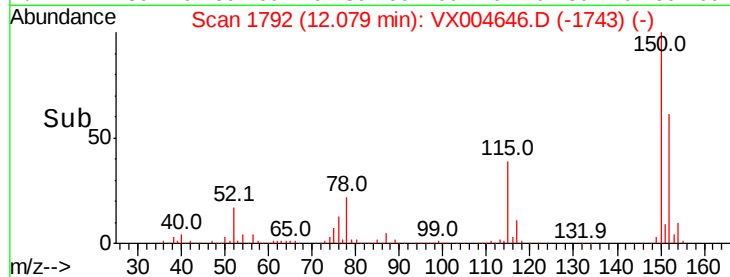
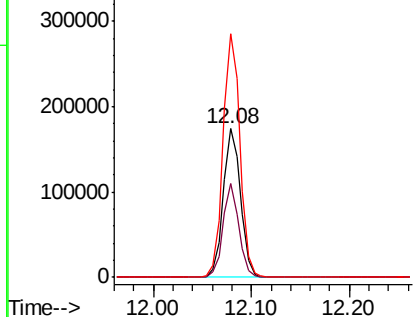
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:152 Resp: 212178
Ion Ratio Lower Upper
152 100
115 57.7 39.0 117.0
150 160.9 0.0 351.0



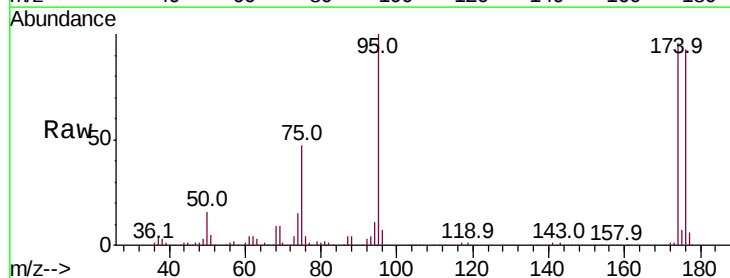
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



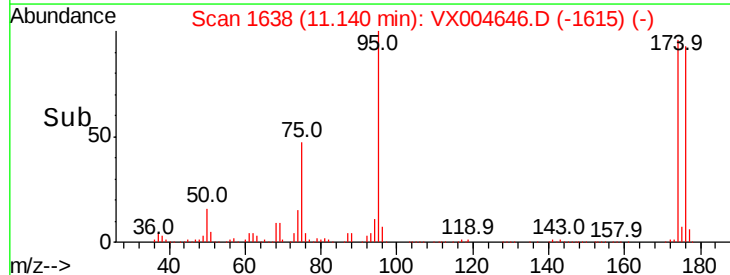
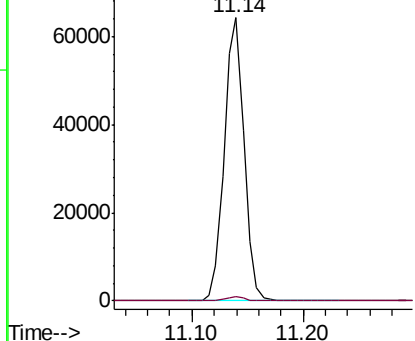
#76

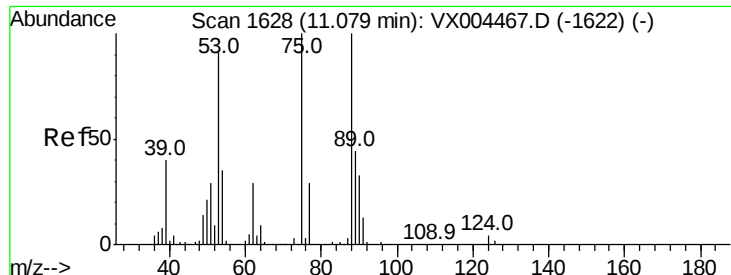
1,2,3-Trichloropropane
Concen: 18.462 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX004646.D
Acq: 18 Sep 2018 09:46

Tgt Ion: 75 Resp: 78813
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





#81

trans-1,4-Dichloro-2-butene

Concen: 58.849 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004646.D

Acq: 18 Sep 2018 09:46

Instrument :

MSVOA_X

ClientSampleId :

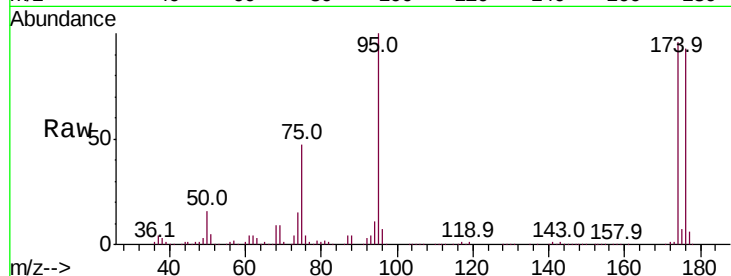
Tot Ion: 75 Resp: 78813

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

