

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121018\
 Data File : VX006396.D
 Acq On : 11 Dec 2018 03:45
 Operator : JC/MD
 Sample : J6324-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20181205

Quant Time: Dec 11 05:00:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	698506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1092065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	982248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	465478	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	360021	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	5.51	113	332409	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	8.71	98	1270200	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.14	95	471425	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	

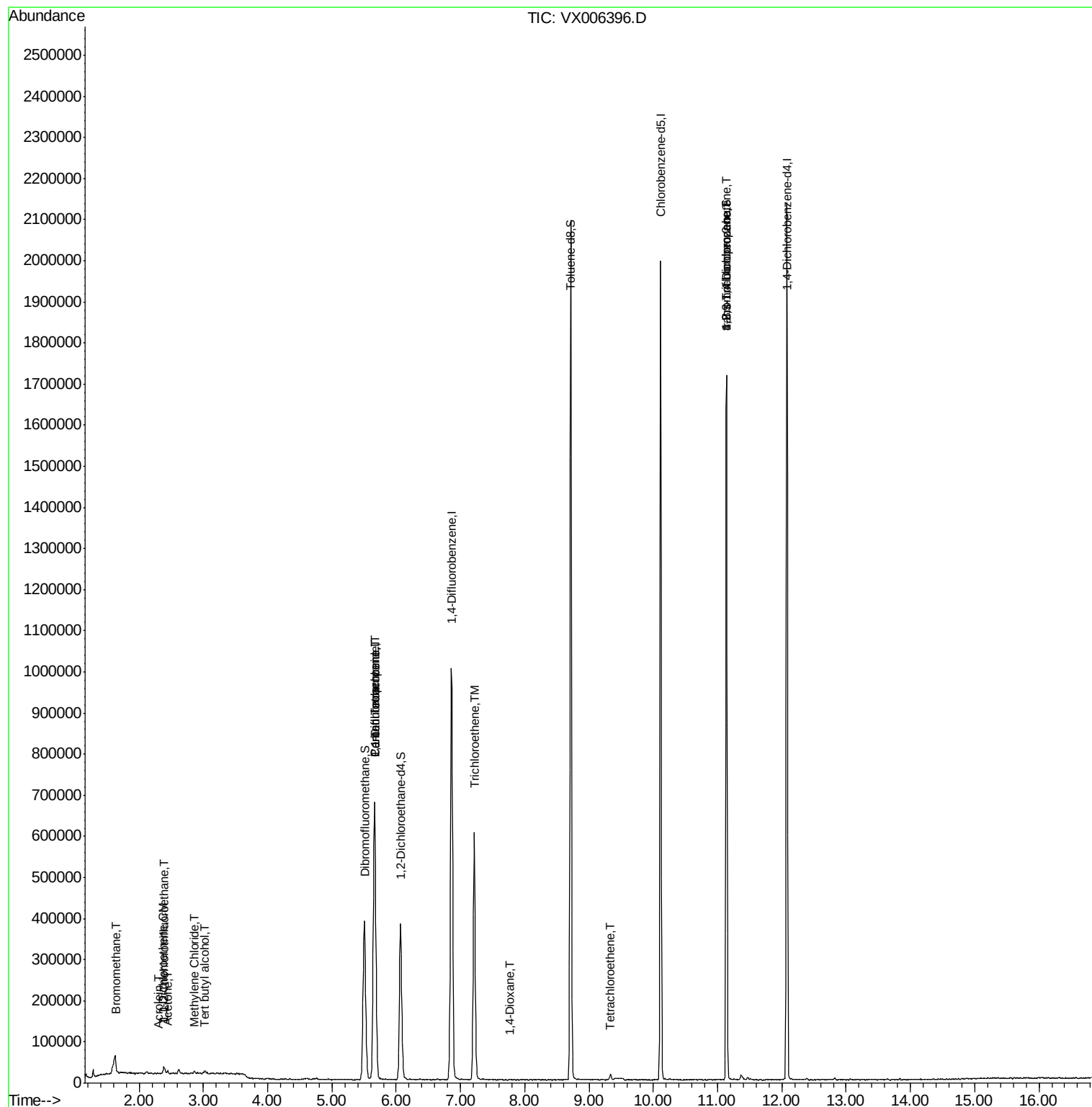
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1494	0.285	ug/l #	46
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5672	0.859	ug/l	95
11) Tert butyl alcohol	3.02	59	3356	1.721	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	1629	0.258	ug/l #	64
13) Acrolein	2.30	56	357	0.335	ug/l #	78
16) Acetone	2.45	43	5616	1.678	ug/l	100
20) Methylene Chloride	2.86	84	2697	0.379	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	44952	4.888	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64414	5.954	ug/l #	17
44) Trichloroethene	7.21	130	245144	29.379	ug/l	97
49) 1,4-Dioxane	7.77	88	307	1.491	ug/l #	59
64) Tetrachloroethene	9.34	164	1595	0.216	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	211978	23.594	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	211978	55.368	ug/l #	15

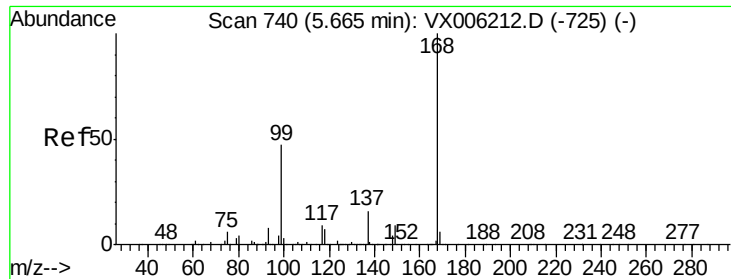
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 11 05:00:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

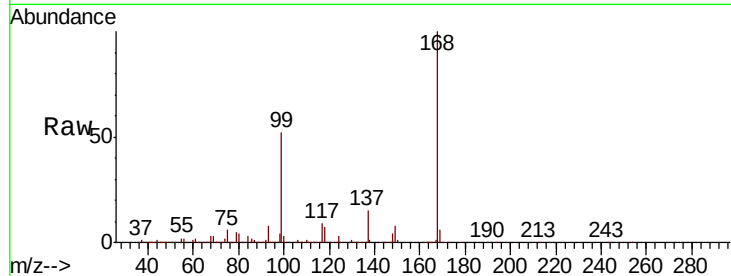
DUP01-20181205

Tot Ion:168 Resp: 698506

Ion Ratio Lower Upper

168 100

99 51.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

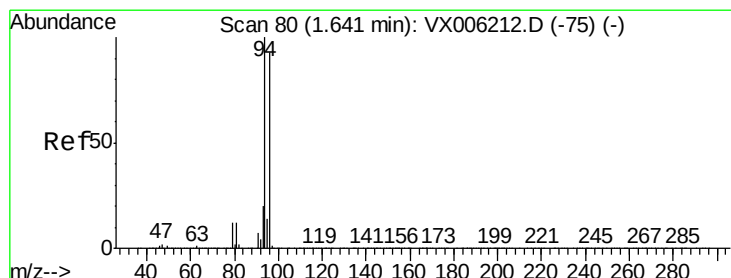
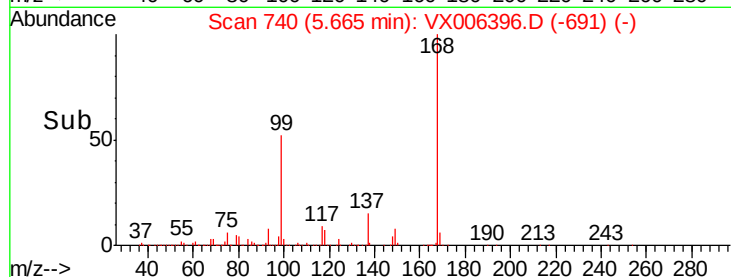
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006396.D

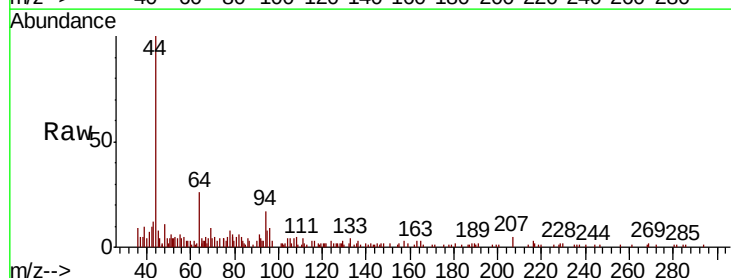
Acq: 11 Dec 2018 03:45

Tgt Ion: 94 Resp: 1494

Ion Ratio Lower Upper

94 100

96 41.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

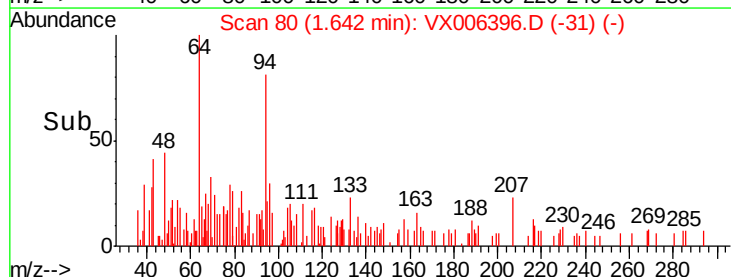
600

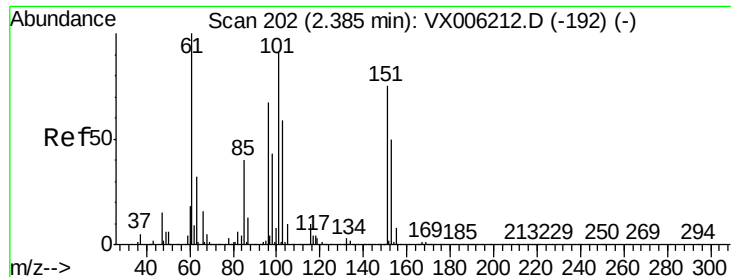
400

200

0

Time--> 1.55 1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.859 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20181205

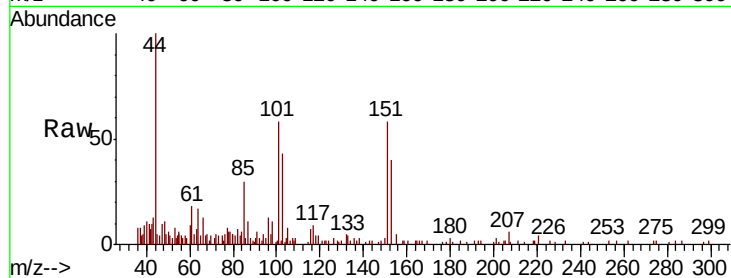
Tot Ion:101 Resp: 5672

Ion Ratio Lower Upper

101 100

85 50.7 35.5 53.3

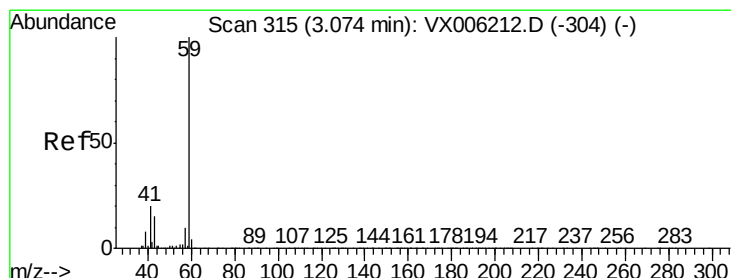
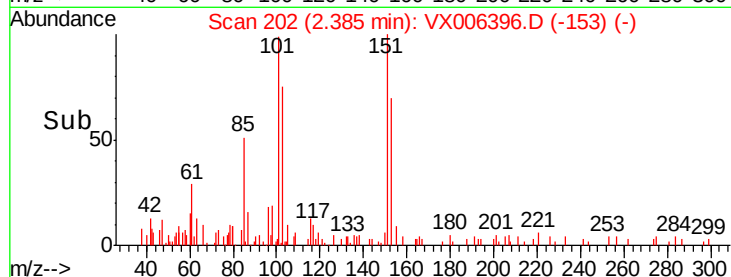
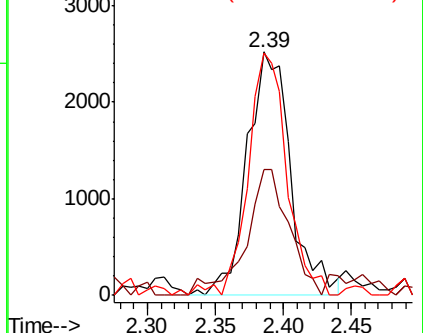
151 87.6 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.721 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006396.D

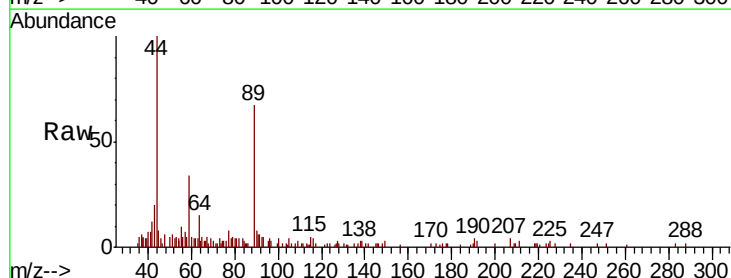
Acq: 11 Dec 2018 03:45

Tgt Ion: 59 Resp: 3356

Ion Ratio Lower Upper

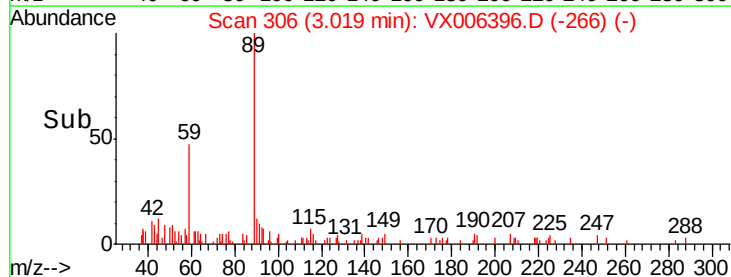
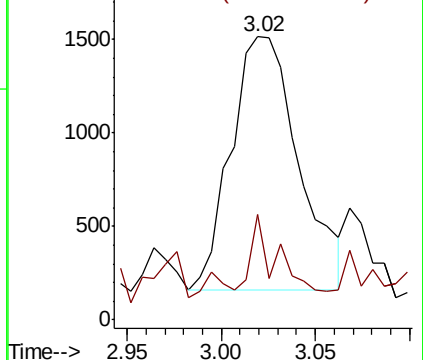
59 100

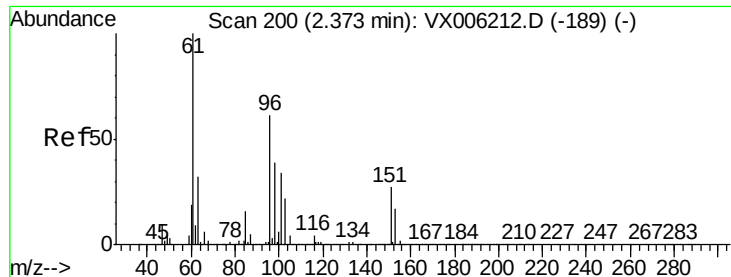
57 14.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.258 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20181205

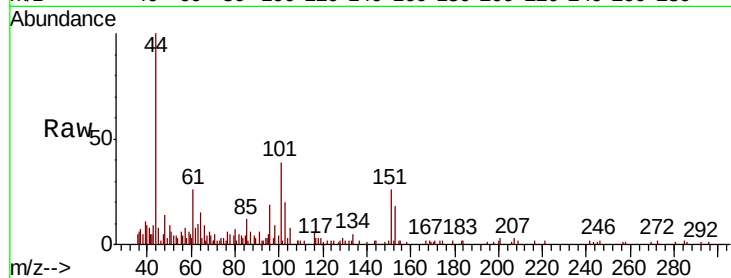
Tot Ion: 96 Resp: 1629

Ion Ratio Lower Upper

96 100

61 114.7 131.7 197.5#

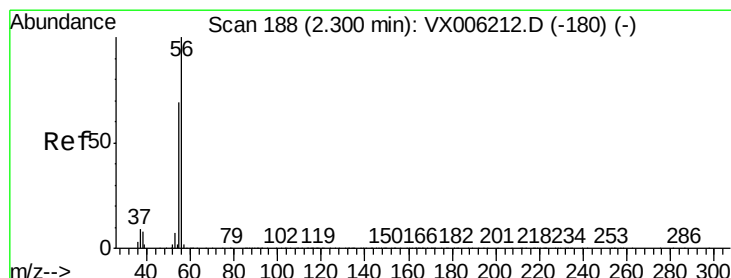
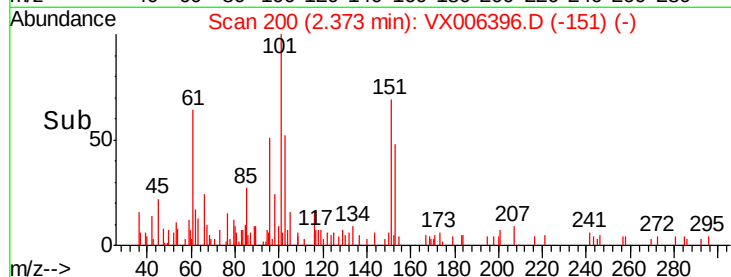
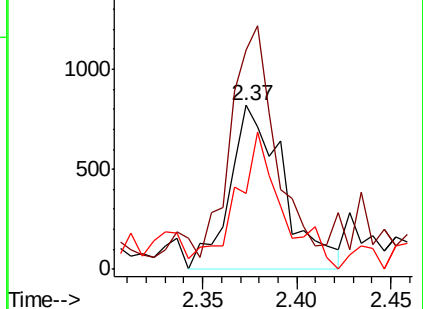
98 39.8 51.8 77.6#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.335 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX006396.D

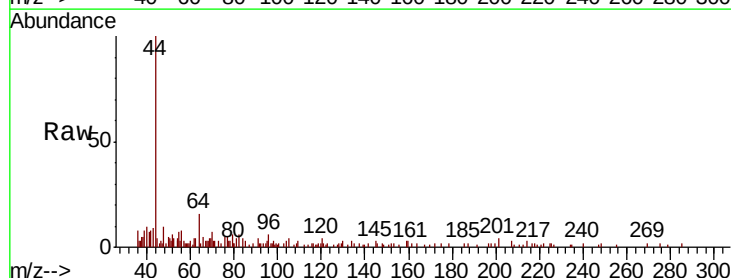
Acq: 11 Dec 2018 03:45

Tgt Ion: 56 Resp: 357

Ion Ratio Lower Upper

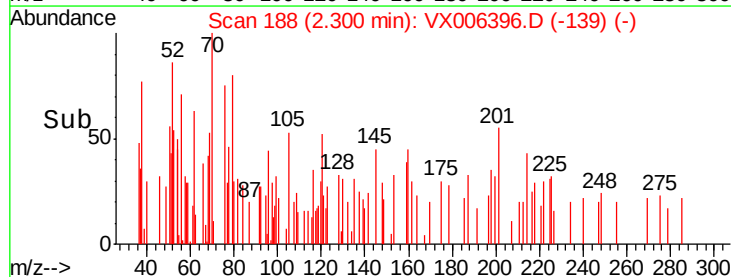
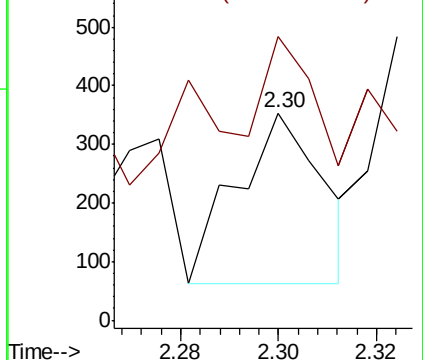
56 100

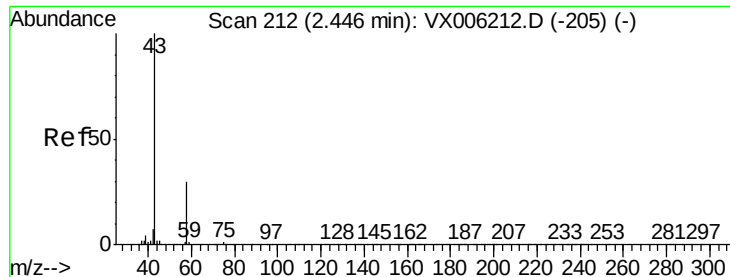
55 90.2 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

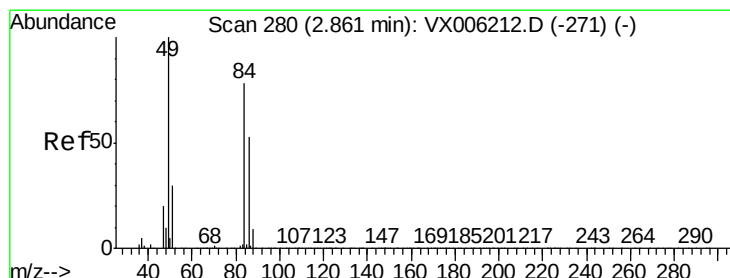
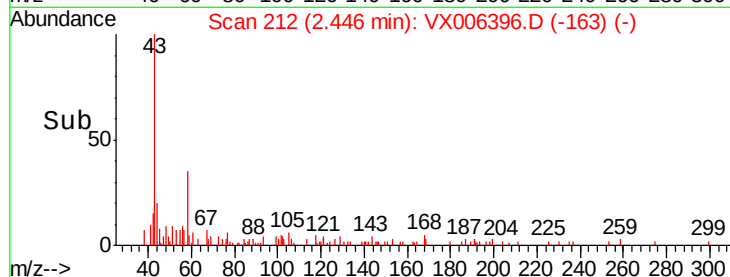
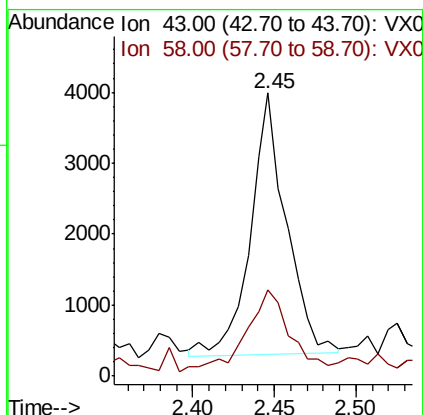
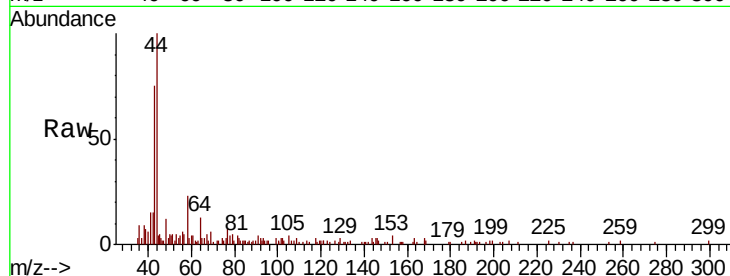




#16
Acetone
Concen: 1.678 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

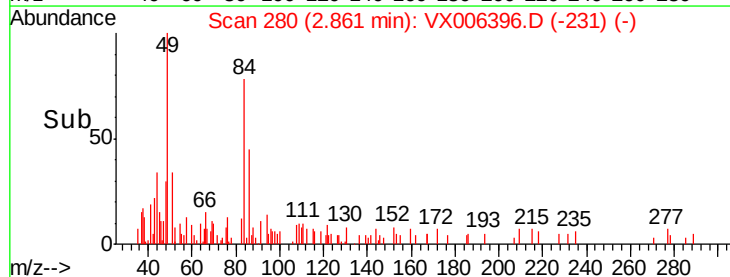
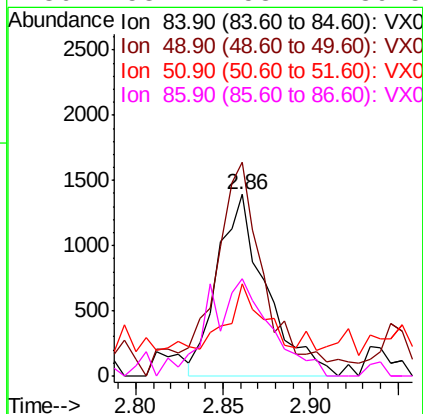
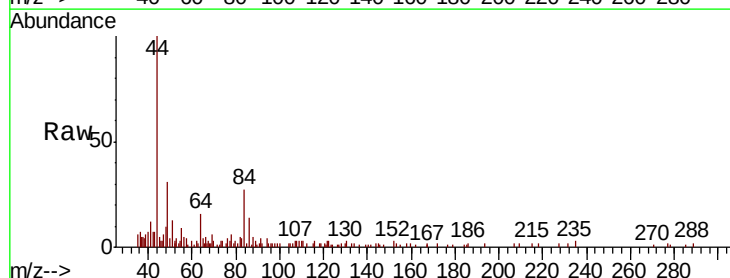
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20181205

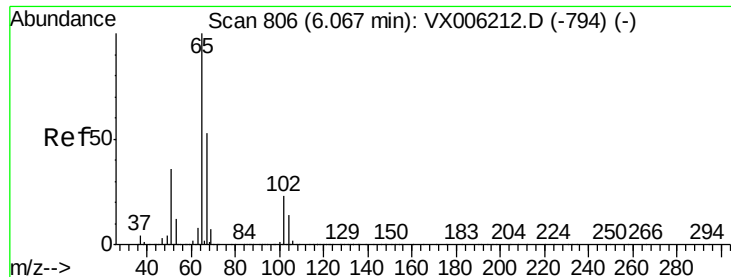
Tot Ion: 43 Resp: 5616
Ion Ratio Lower Upper
43 100
58 29.9 24.0 36.0



#20
Methylene Chloride
Concen: 0.379 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

Tgt Ion: 84 Resp: 2697
Ion Ratio Lower Upper
84 100
49 108.7 102.2 153.4
51 34.0 31.1 46.7
86 53.4 53.7 80.5#

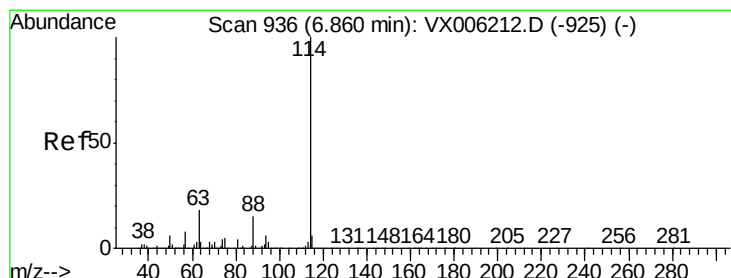
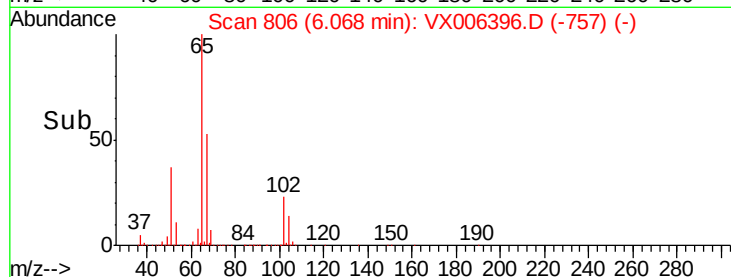
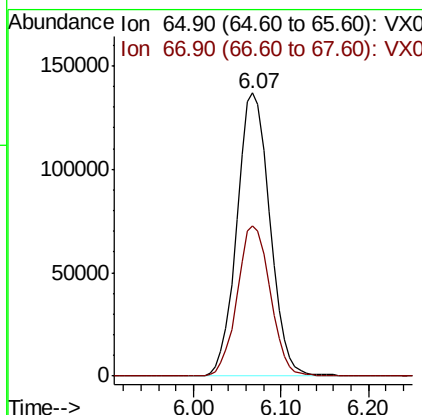
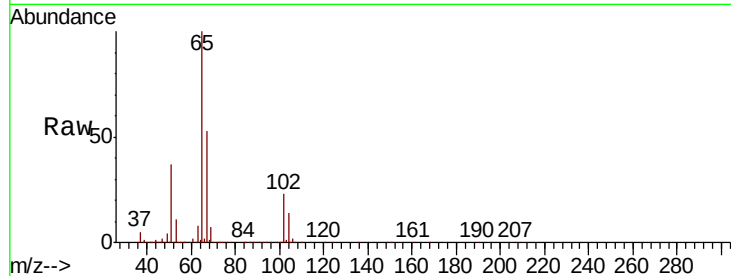




#33
 1,2-Dichloroethane-d4
 Concen: 50.489 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006396.D
 Acq: 11 Dec 2018 03:45

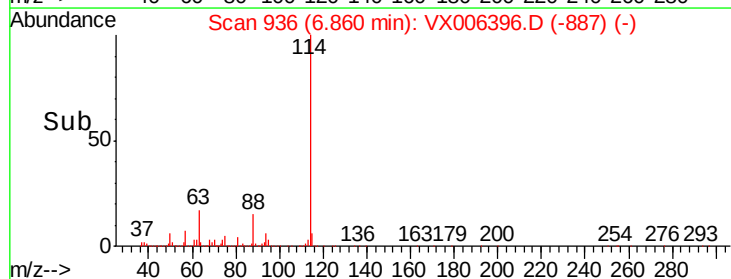
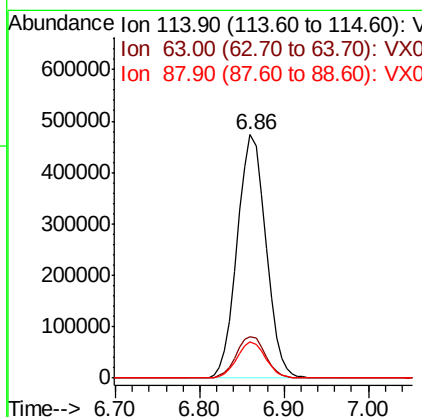
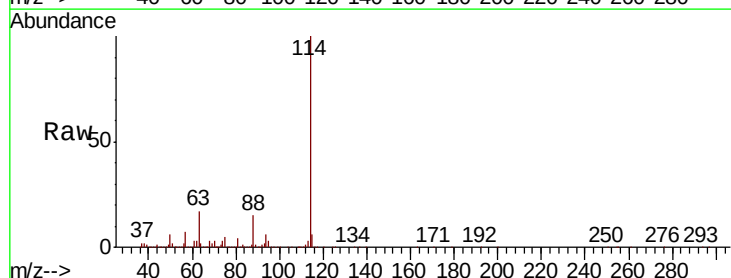
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20181205

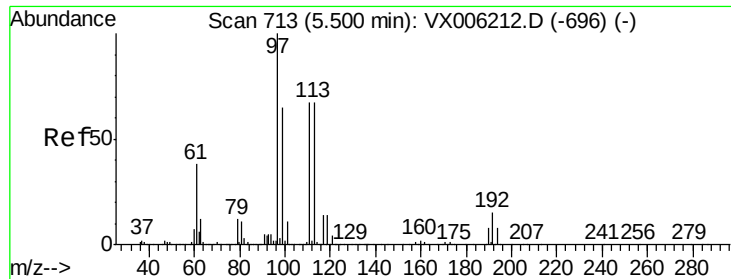
Tot Ion: 65 Resp: 360021
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006396.D
 Acq: 11 Dec 2018 03:45

Tgt Ion: 114 Resp: 1092065
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.6
 88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.012 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20181205

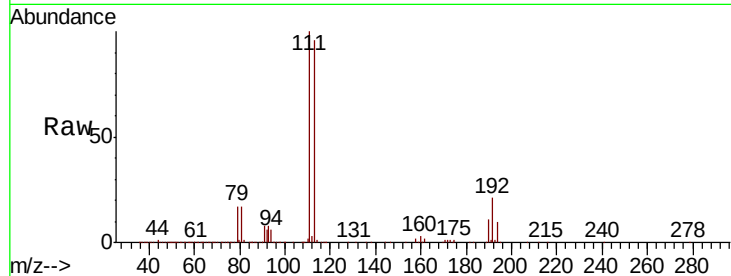
Tot Ion:113 Resp: 332409

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

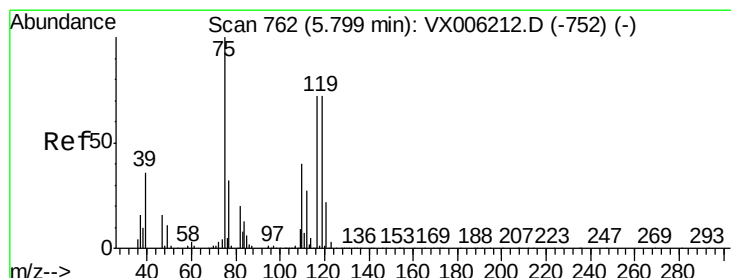
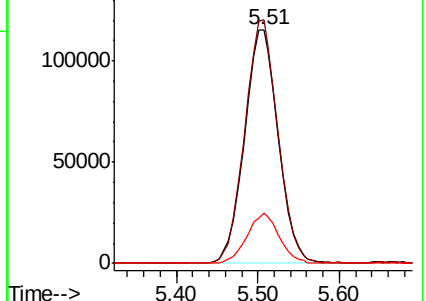
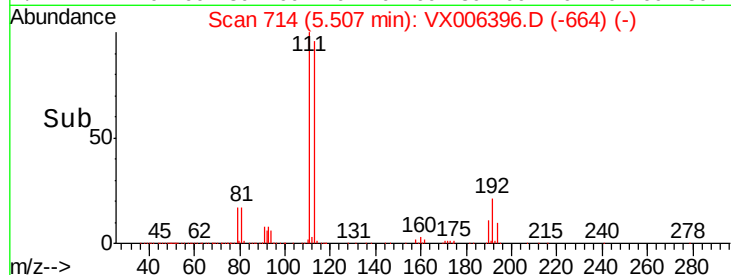
192 20.7 18.2 27.2



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: 4.888 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

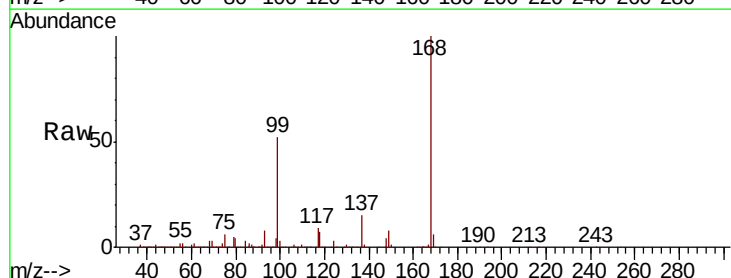
Tgt Ion: 75 Resp: 44952

Ion Ratio Lower Upper

75 100

110 10.4 20.4 61.3#

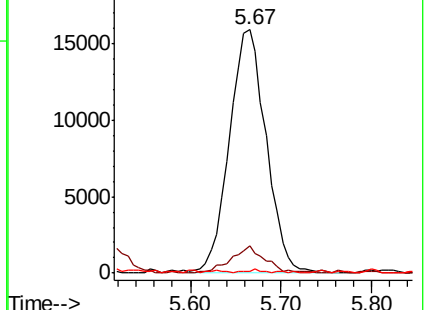
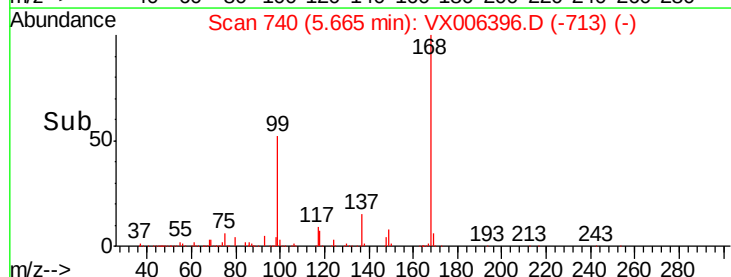
77 0.7 24.9 37.3#

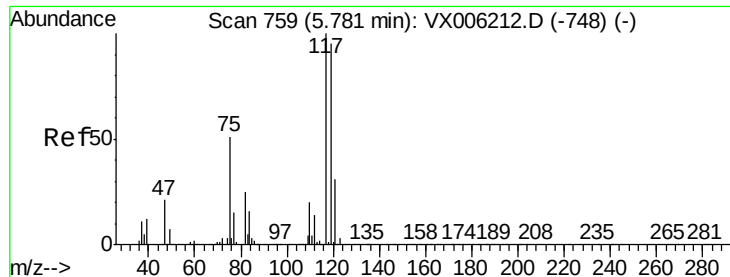


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20181205

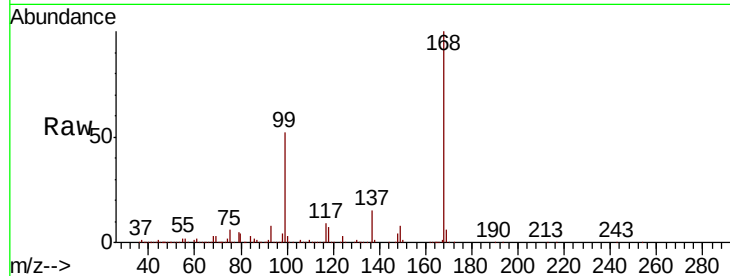
Tot Ion:117 Resp: 64414

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

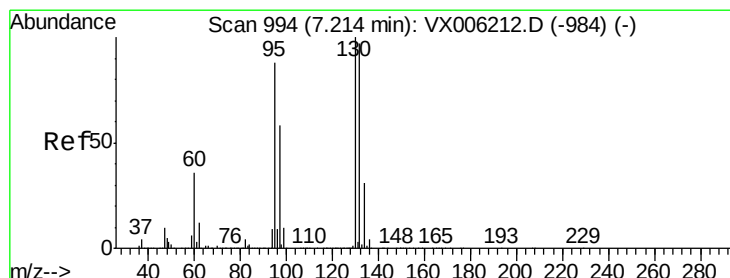
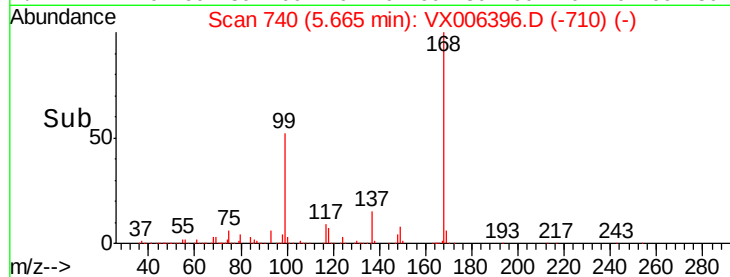
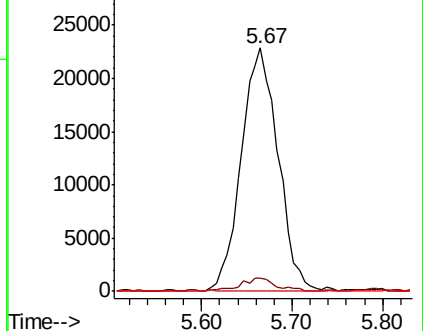
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 29.379 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006396.D

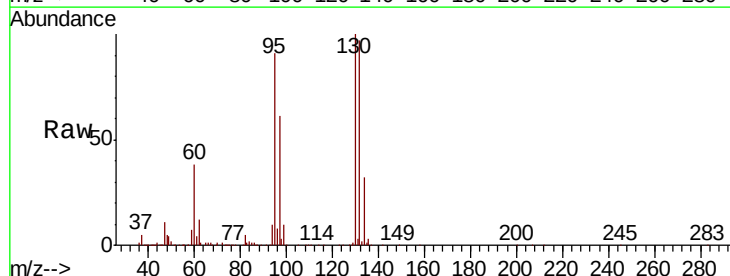
Acq: 11 Dec 2018 03:45

Tgt Ion:130 Resp: 245144

Ion Ratio Lower Upper

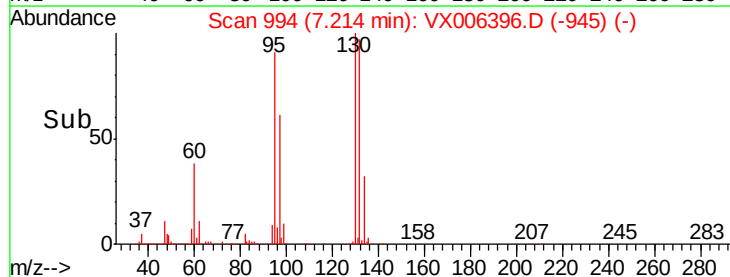
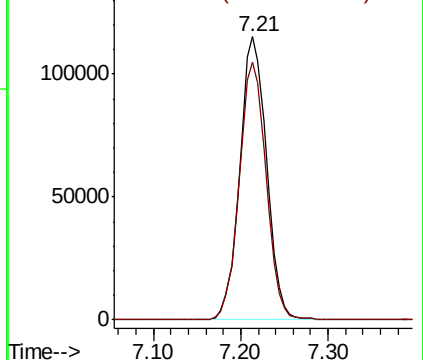
130 100

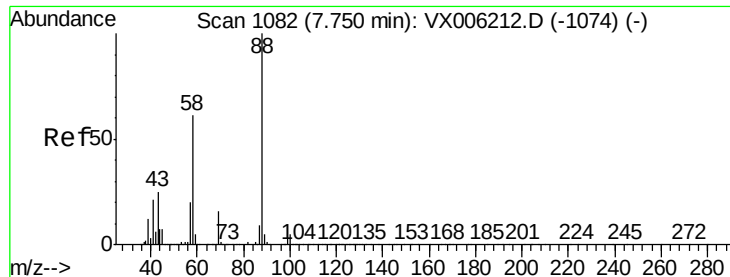
95 90.9 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

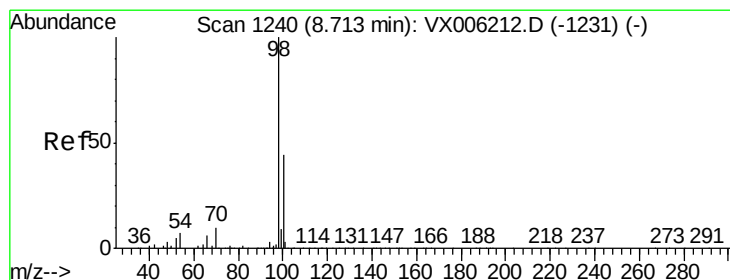
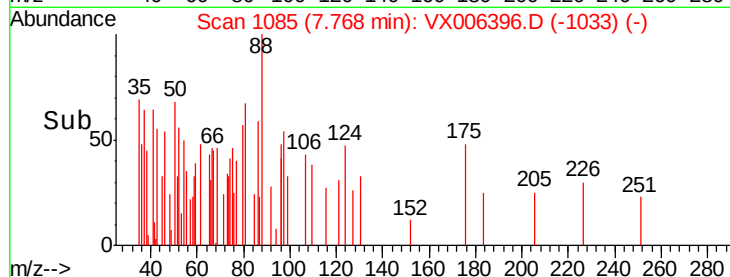
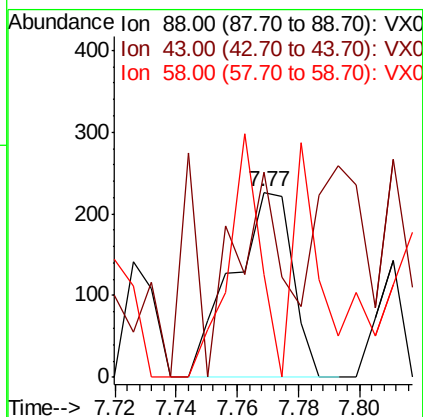
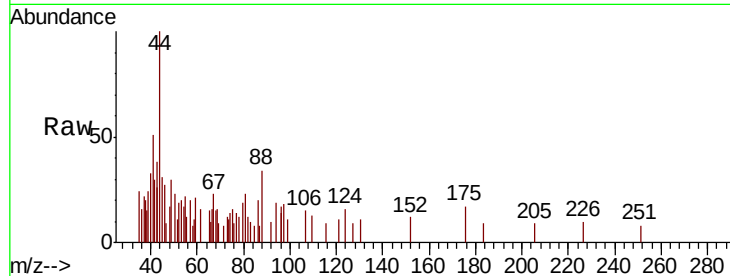




#49
1,4-Dioxane
Concen: 1.491 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

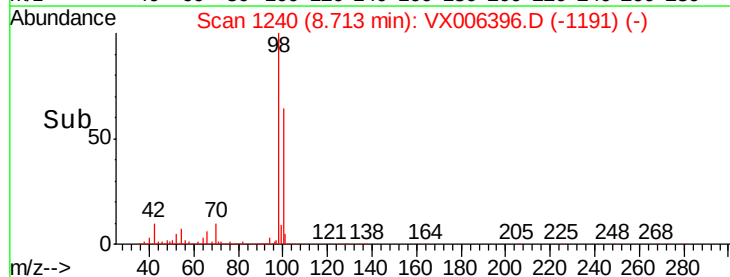
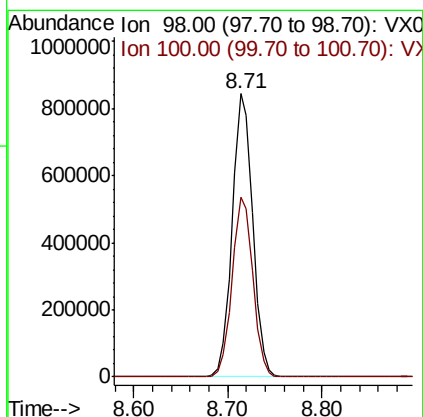
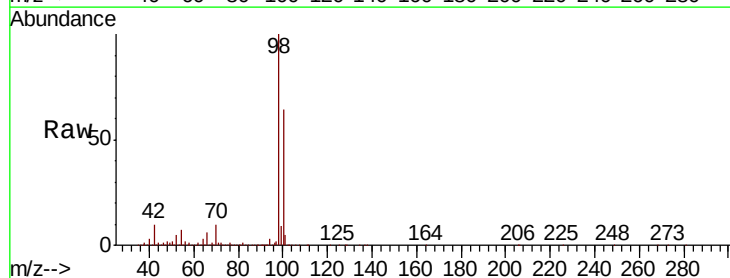
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20181205

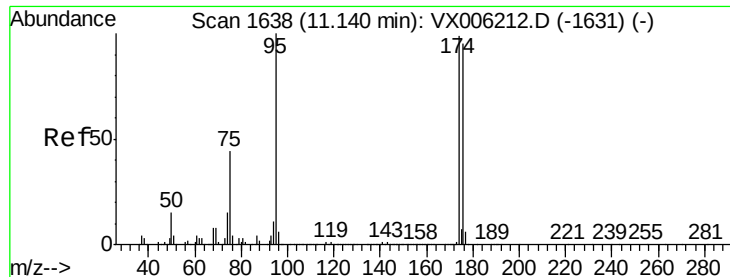
Tot Ion: 88 Resp: 307
Ion Ratio Lower Upper
88 100
43 91.9 23.2 34.8#
58 69.7 51.4 77.0



#50
Toluene-d8
Concen: 49.387 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

Tgt Ion: 98 Resp: 1270200
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.642 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20181205

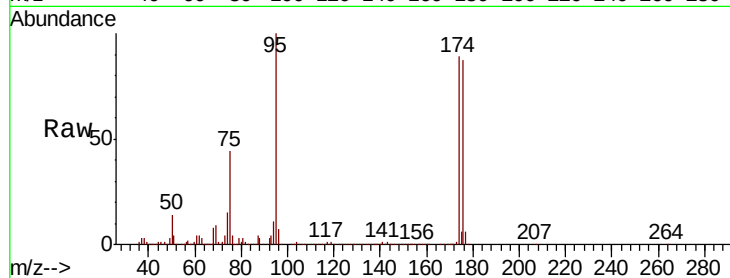
Tot Ion: 95 Resp: 471425

Ion Ratio Lower Upper

95 100

174 86.2 0.0 187.0

176 82.9 0.0 181.8



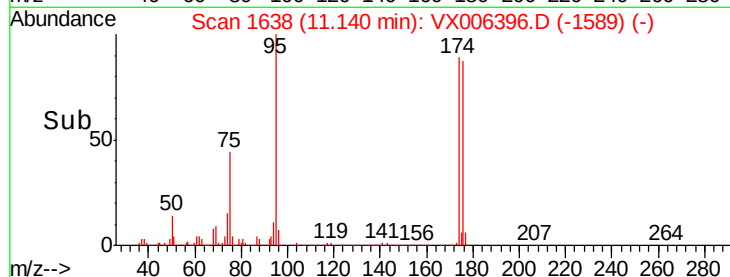
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

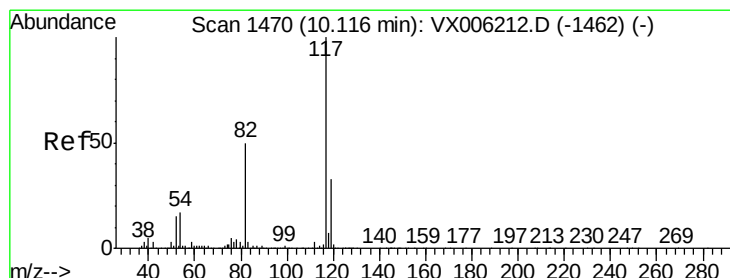
Ion 175.80 (175.50 to 176.50): V

11.14

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

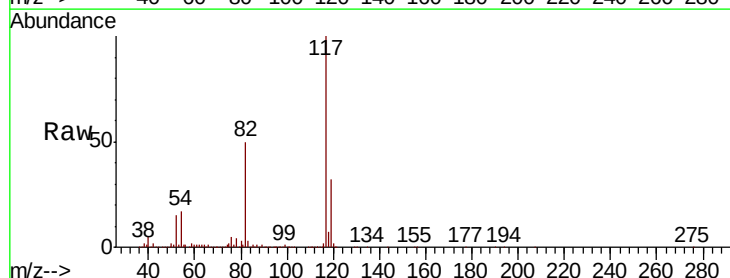
Tgt Ion: 117 Resp: 982248

Ion Ratio Lower Upper

117 100

82 50.1 39.6 59.4

119 31.9 26.3 39.5



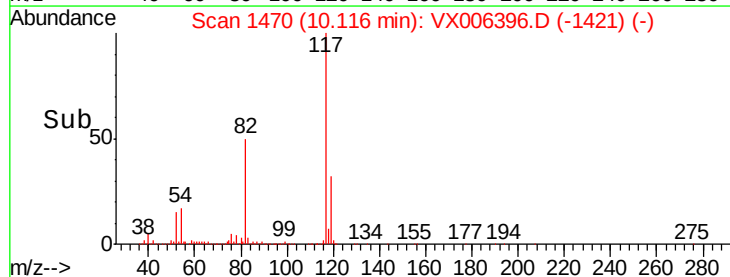
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

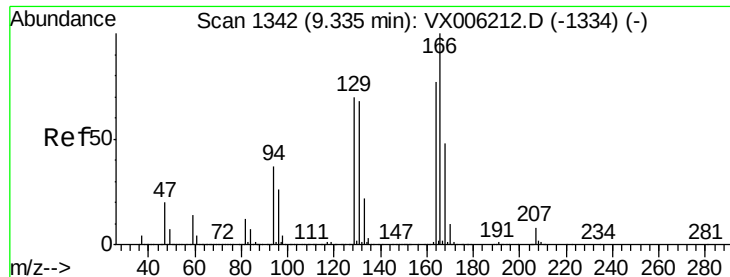
Ion 118.90 (118.60 to 119.60): V

10.12

Time-->



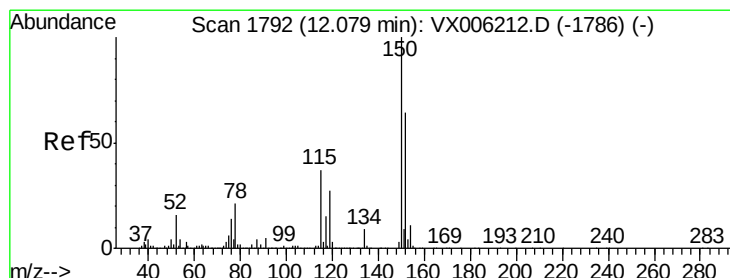
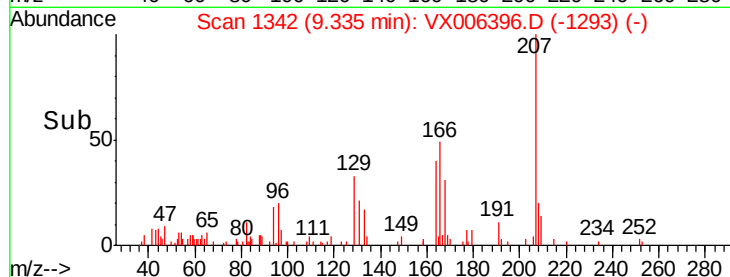
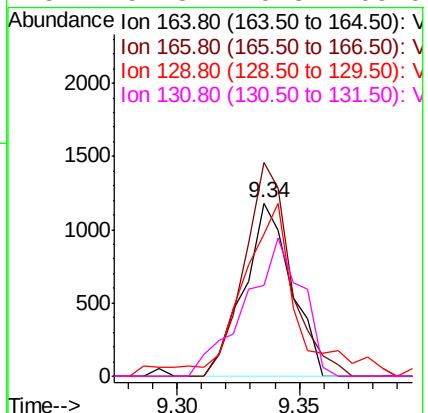
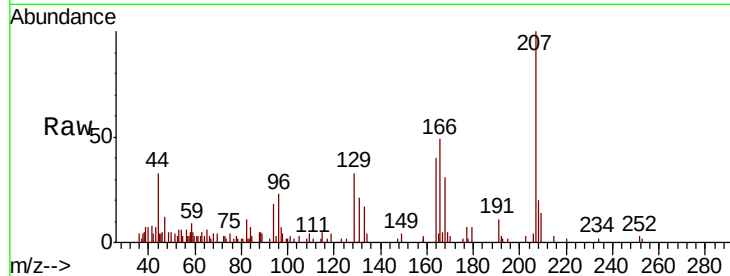
Time-->



#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

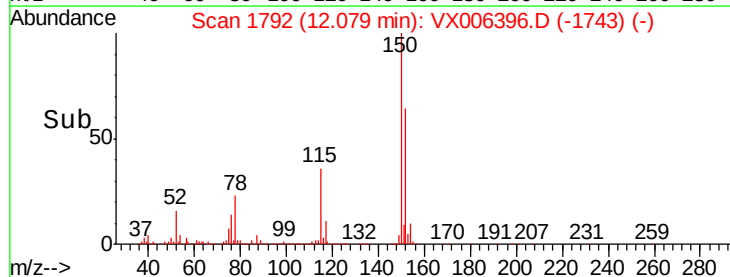
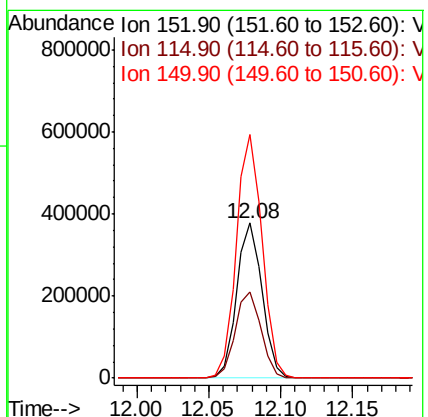
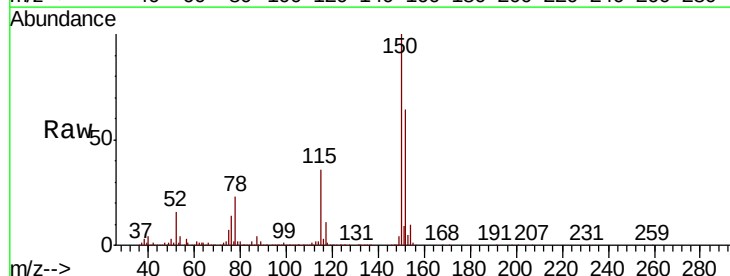
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20181205

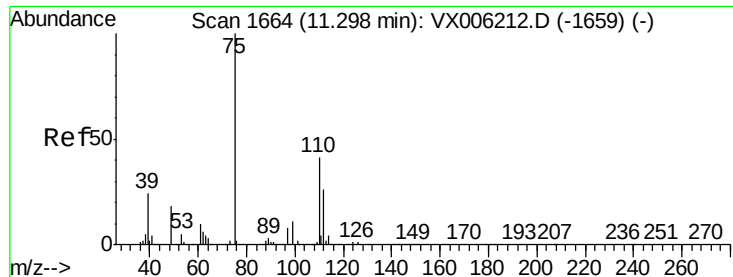
Tot Ion:164 Resp: 1595
Ion Ratio Lower Upper
164 100
166 123.5 104.2 156.2
129 76.2 72.6 108.8
131 52.8 70.3 105.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006396.D
Acq: 11 Dec 2018 03:45

Tgt Ion:152 Resp: 465478
Ion Ratio Lower Upper
152 100
115 56.7 39.0 116.9
150 158.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 23.594 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Instrument :

MSVOA_X

ClientSampleId :

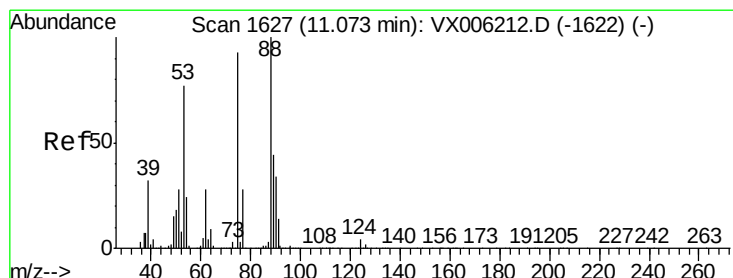
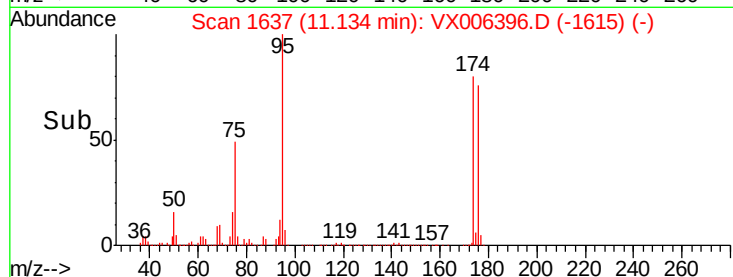
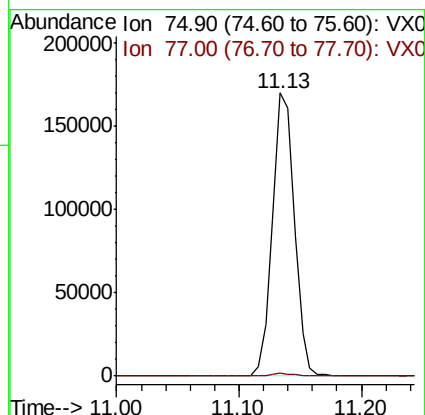
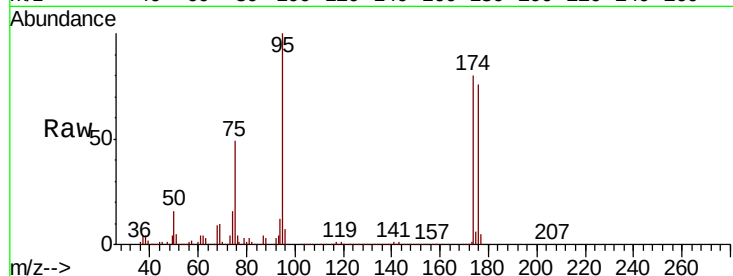
DUP01-20181205

Tot Ion: 75 Resp: 211978

Ion Ratio Lower Upper

75 100

77 1.3 19.9 59.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.368 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006396.D

Acq: 11 Dec 2018 03:45

Tgt Ion: 75 Resp: 211978

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#

