

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX103018\
 Data File : VX005701.D
 Acq On : 30 Oct 2018 19:27
 Operator : JC/MD
 Sample : J5692-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-DUP02-20181025

Quant Time: Oct 31 01:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296795	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133744	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	128028	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	99299	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
50) Toluene-d8	8.71	98	357638	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	121210	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

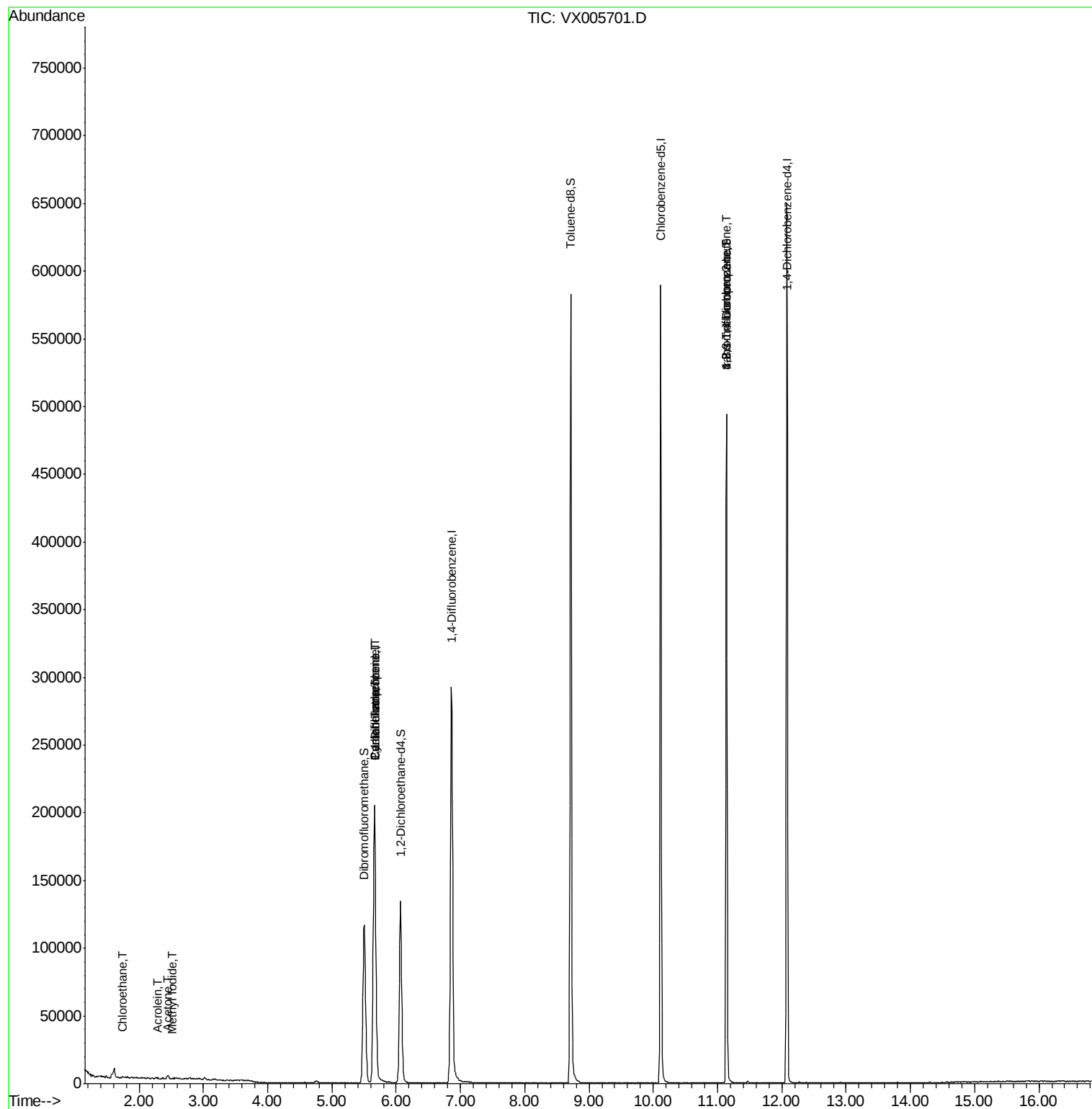
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	1939	1.232	ug/l #	61
10) Methyl Iodide	2.53	142	21	2.735	ug/l #	39
13) Acrolein	2.29	56	128	0.383	ug/l #	82
16) Acetone	2.45	43	2801	2.178	ug/l #	88
18) Methyl Acetate	2.78	43	1627	Below Cal	#	87
31) Cyclohexane	5.67	56	3963	1.208	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14573	5.060	ug/l #	41
38) Carbon Tetrachloride	5.67	117	18876	6.222	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	60288	21.275	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	60288	69.517	ug/l #	9

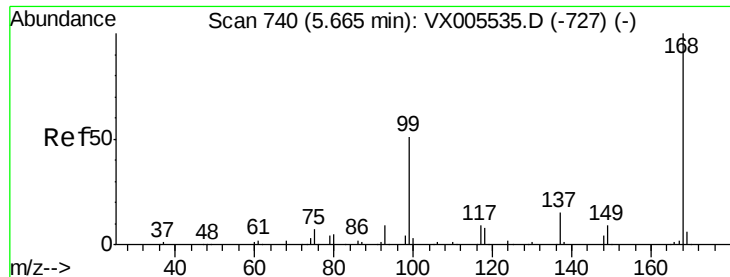
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

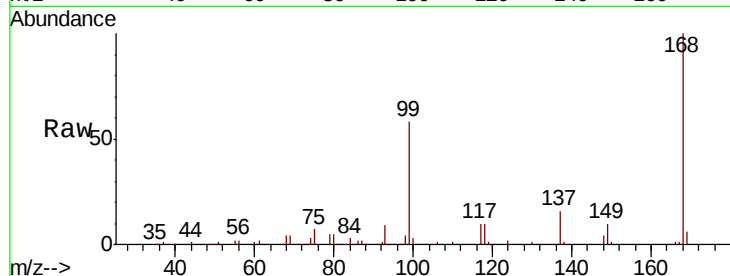
FT-DUP02-20181025

Tot Ion:168 Resp: 199397

Ion Ratio Lower Upper

168 100

99 58.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

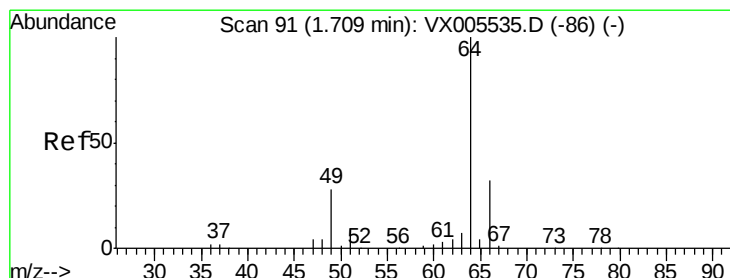
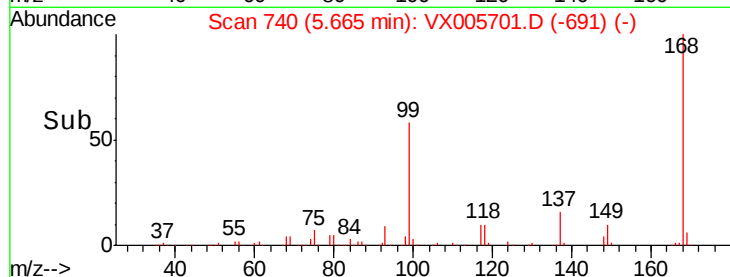
40000

20000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 1.232 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.03 min

Lab File: VX005701.D

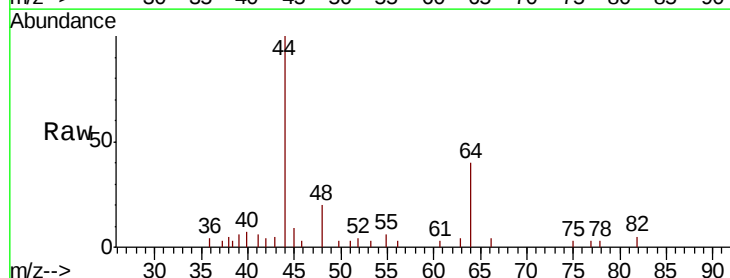
Acq: 30 Oct 2018 19:27

Tgt Ion: 64 Resp: 1939

Ion Ratio Lower Upper

64 100

66 10.3 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.74

800

600

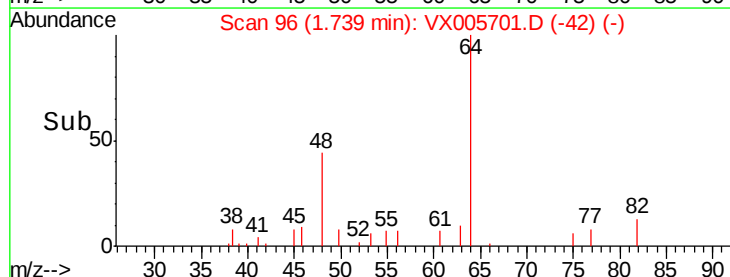
400

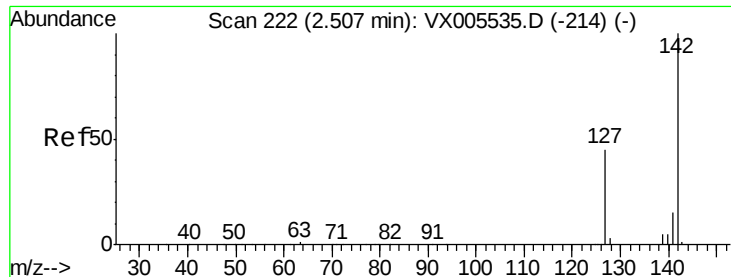
200

0

1.60 1.65 1.70 1.75

Time-->

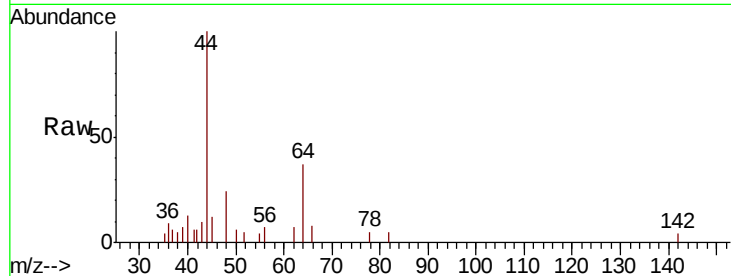




#10
Methyl Iodide
Concen: 2.735 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX005701.D
Acq: 30 Oct 2018 19:27

Instrument :
MSVOA_X
ClientSampleId :
FT-DUP02-20181025

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.0	54.0#
141	0.0	11.7	17.5#

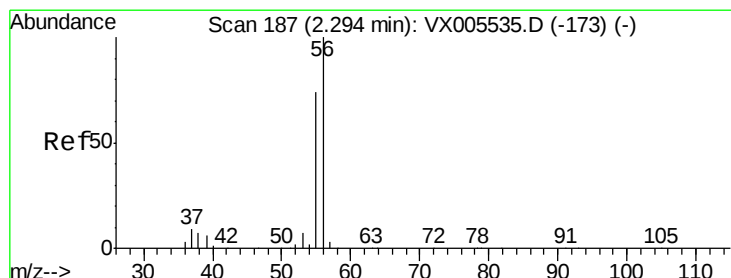
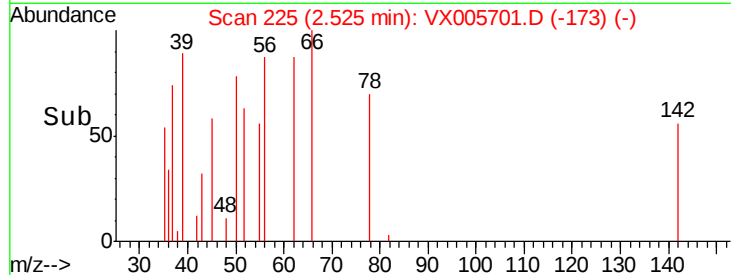
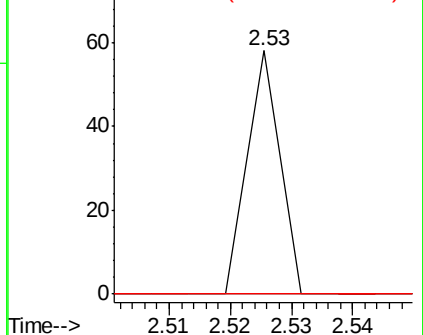


Abundance

Ion 141.80 (141.50 to 142.50): V

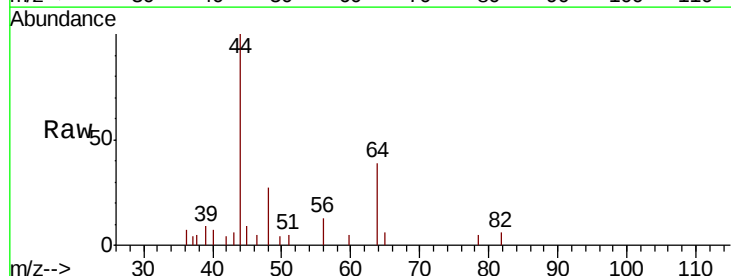
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#13
Acrolein
Concen: 0.383 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX005701.D
Acq: 30 Oct 2018 19:27

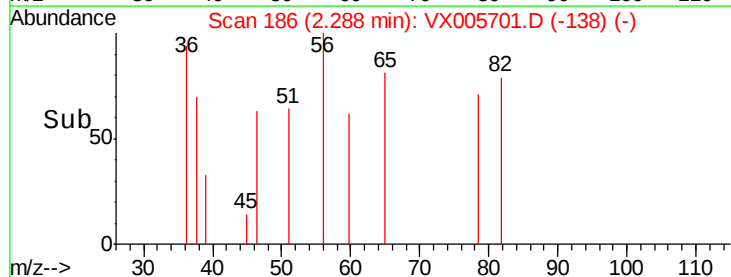
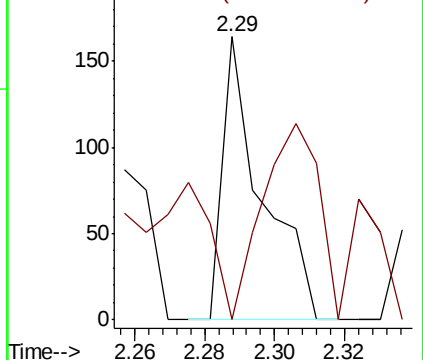
Tgt Ion	Ratio	Lower	Upper
56	100		
55	56.3	57.3	85.9#

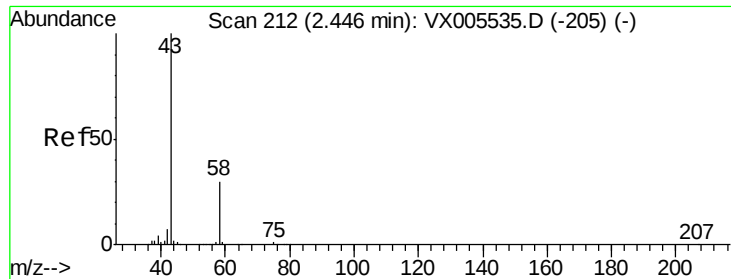


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.178 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

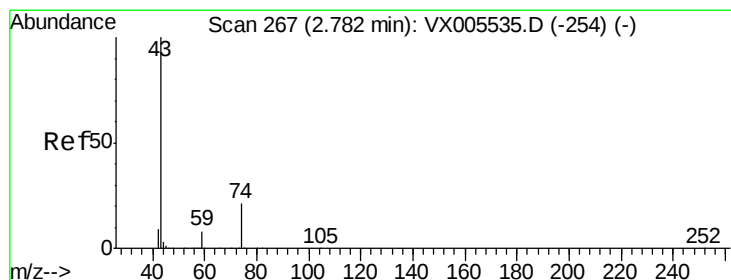
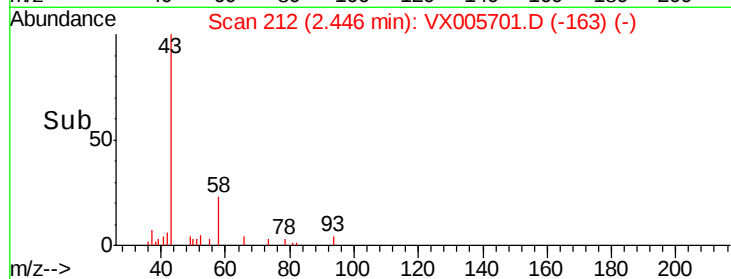
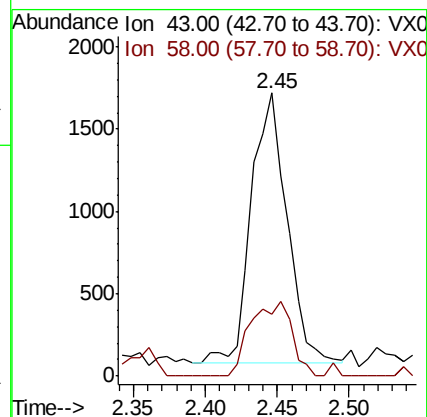
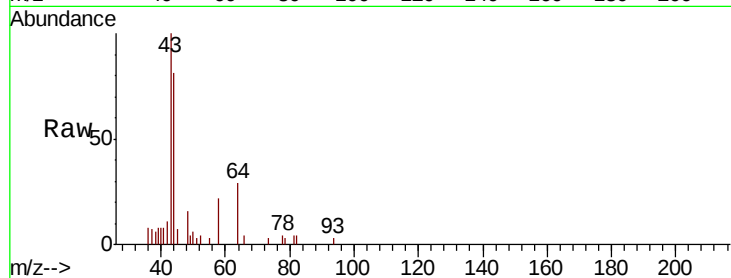
FT-DUP02-20181025

Tot Ion: 43 Resp: 2801

Ion Ratio Lower Upper

43 100

58 23.1 23.8 35.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005701.D

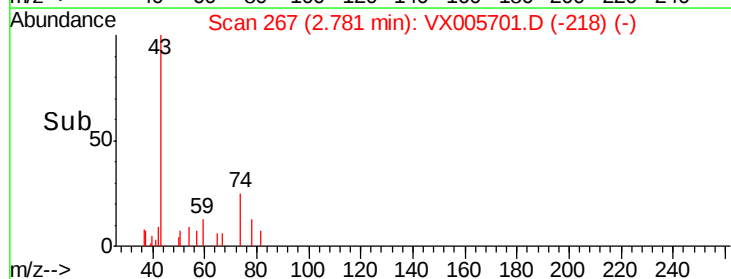
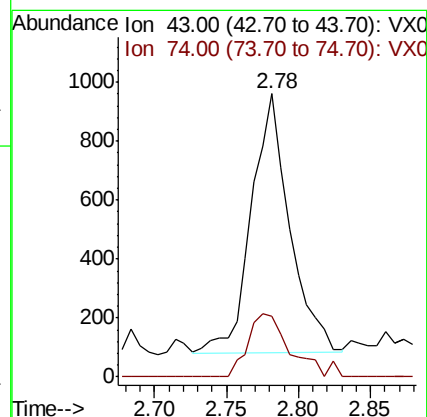
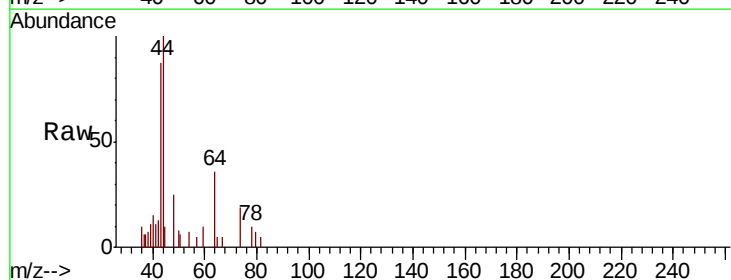
Acq: 30 Oct 2018 19:27

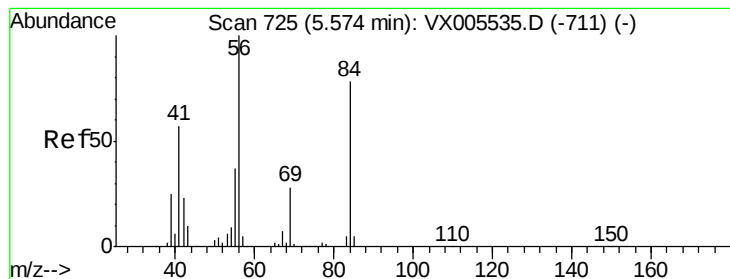
Tgt Ion: 43 Resp: 1627

Ion Ratio Lower Upper

43 100

74 27.0 16.8 25.2#





#31

Cyclohexane

Concen: 1.208 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

FT-DUP02-20181025

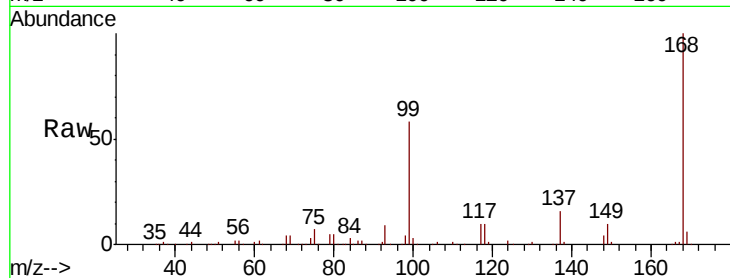
Tot Ion: 56 Resp: 3963

Ion Ratio Lower Upper

56 100

69 213.3 22.6 34.0#

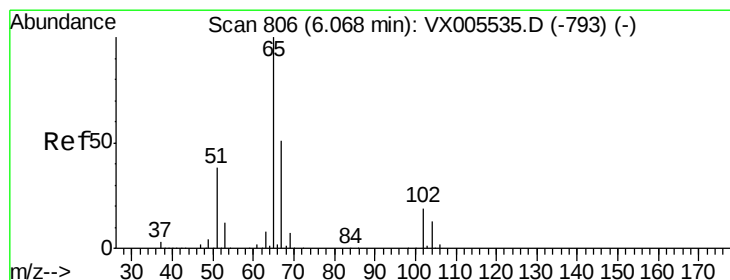
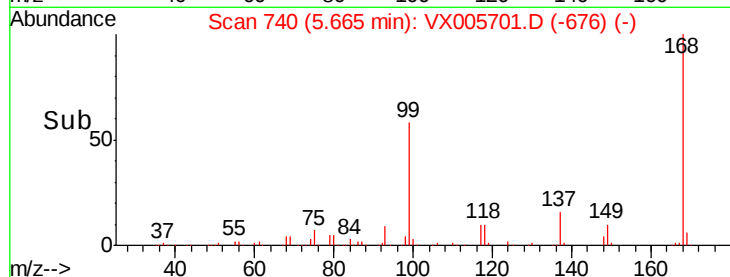
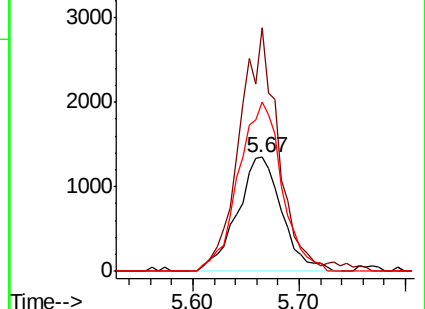
84 148.1 62.7 94.1#



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: 52.599 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005701.D

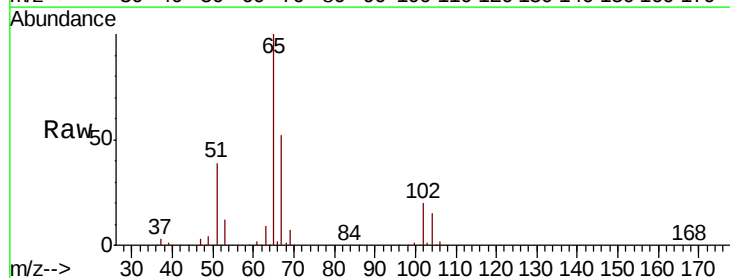
Acq: 30 Oct 2018 19:27

Tgt Ion: 65 Resp: 128028

Ion Ratio Lower Upper

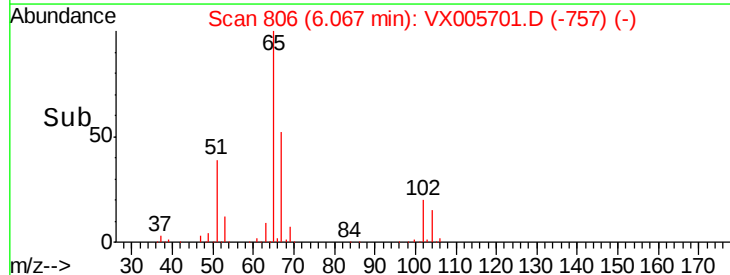
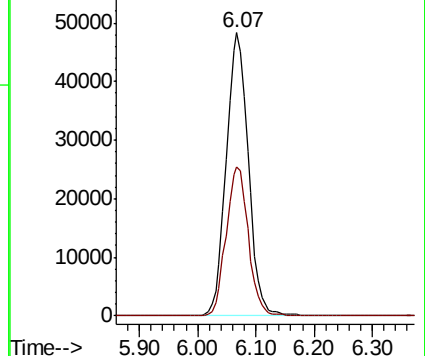
65 100

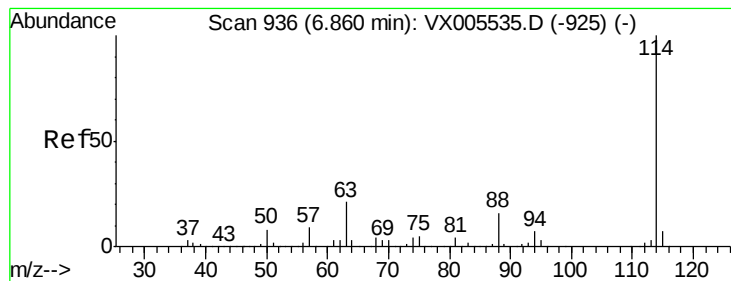
67 52.6 0.0 105.0



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: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

FT-DUP02-20181025

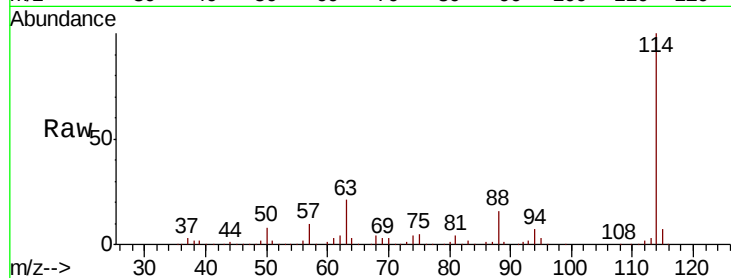
Tot Ion:114 Resp: 296795

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

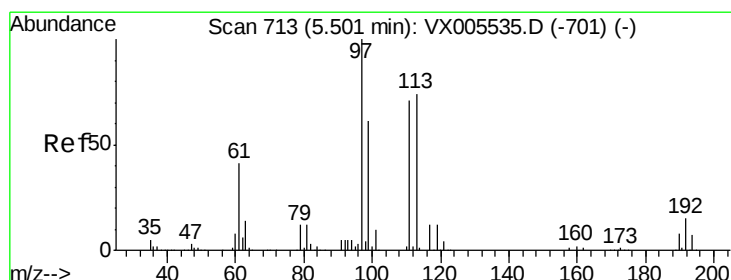
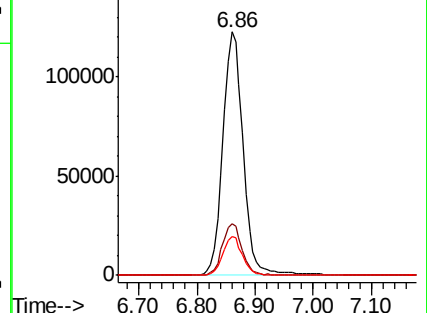
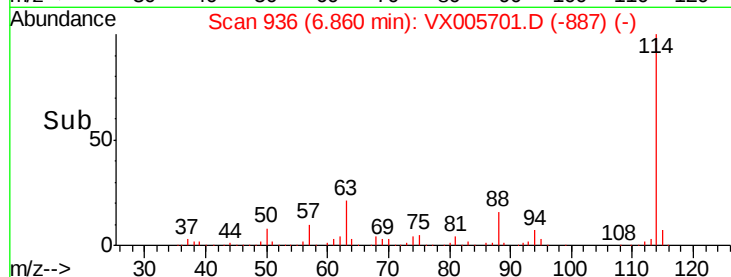
88 15.8 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.411 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

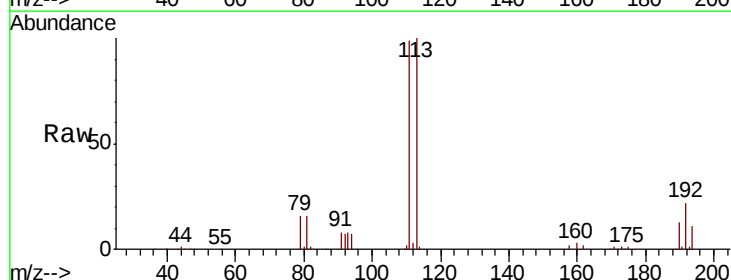
Tgt Ion:113 Resp: 99299

Ion Ratio Lower Upper

113 100

111 104.6 82.3 123.5

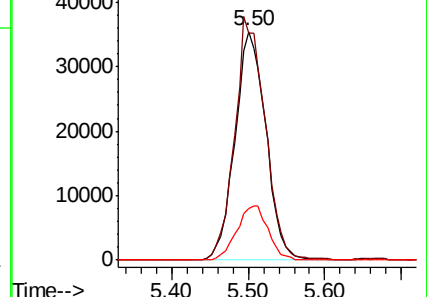
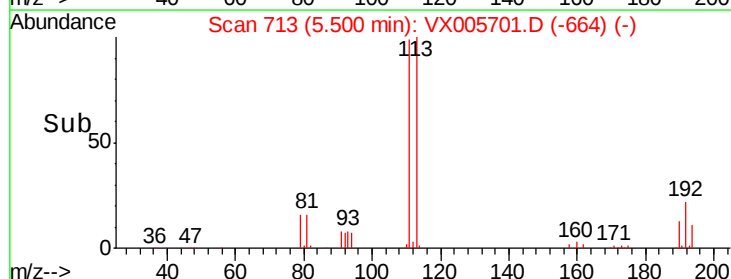
192 24.1 17.9 26.9

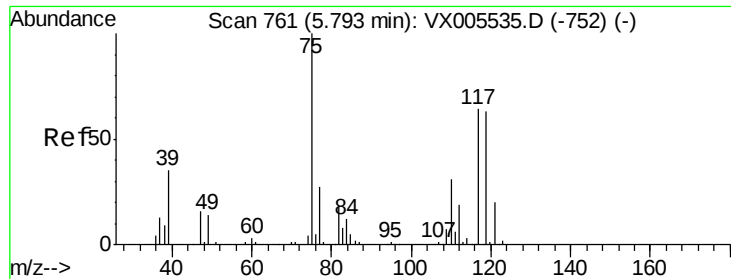


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

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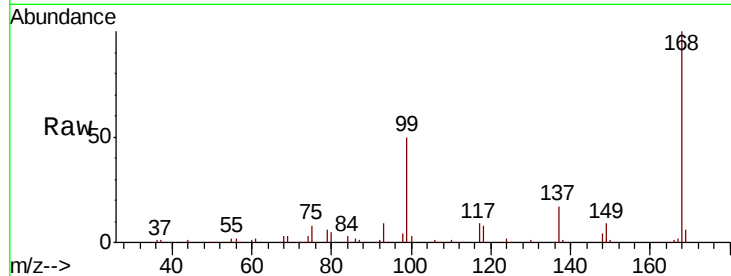
Tot Ion: 75 Resp: 14573

Ion Ratio Lower Upper

75 100

110 0.0 17.4 52.2#

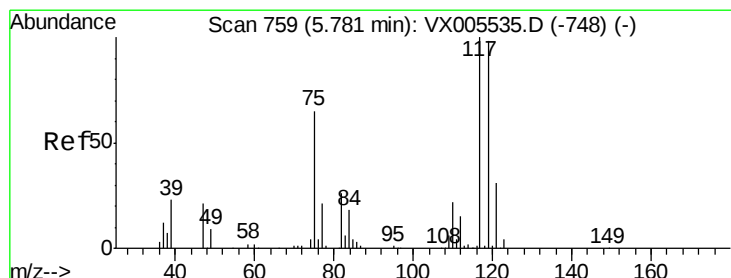
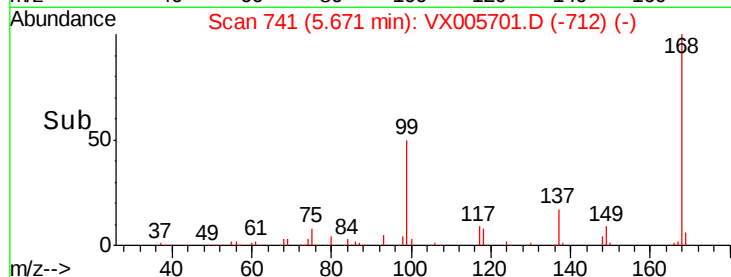
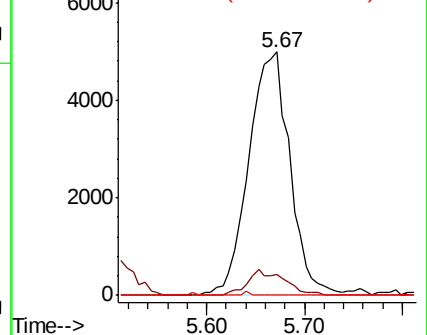
77 0.0 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.222 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

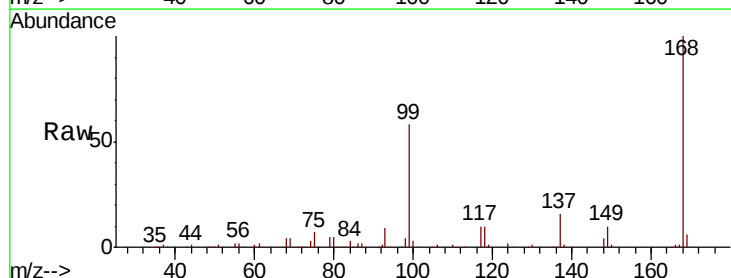
Tgt Ion: 117 Resp: 18876

Ion Ratio Lower Upper

117 100

119 5.9 78.1 117.1#

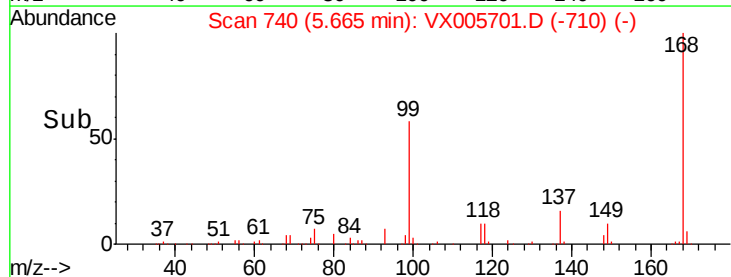
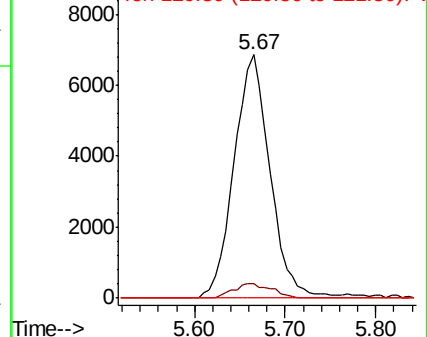
121 0.0 24.6 36.8#

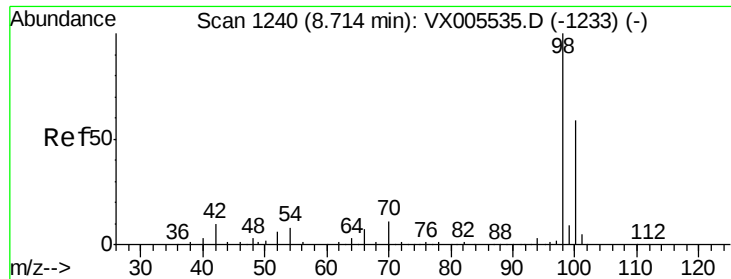


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.527 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

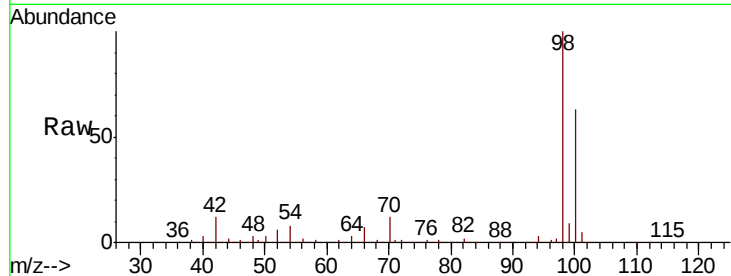
FT-DUP02-20181025

Tot Ion: 98 Resp: 357638

Ion Ratio Lower Upper

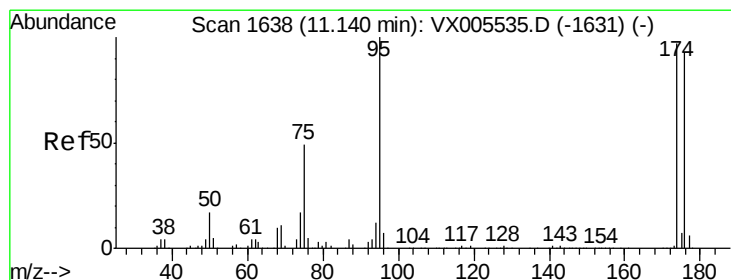
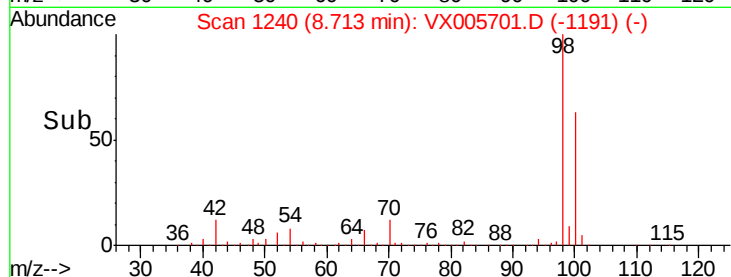
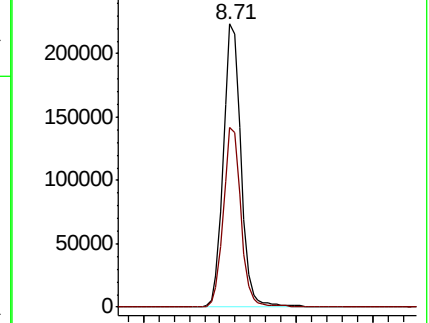
98 100

100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.448 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

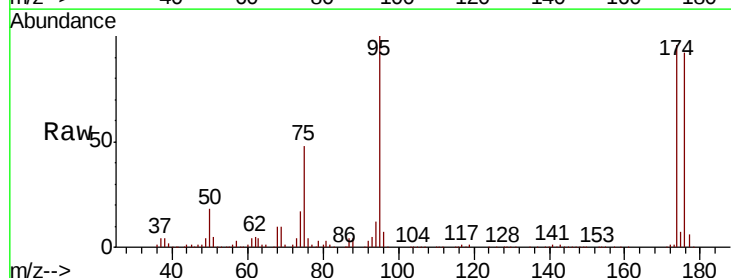
Tgt Ion: 95 Resp: 121210

Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.4

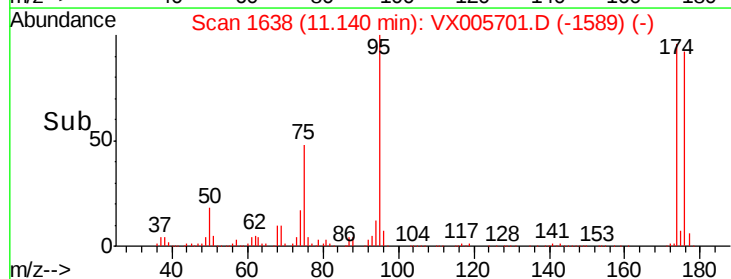
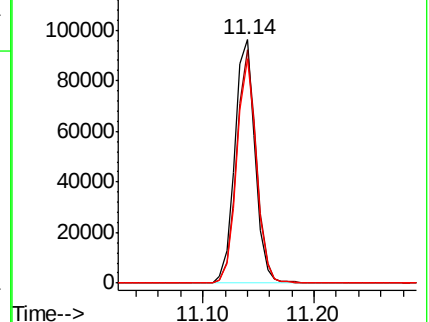
176 89.6 0.0 177.4

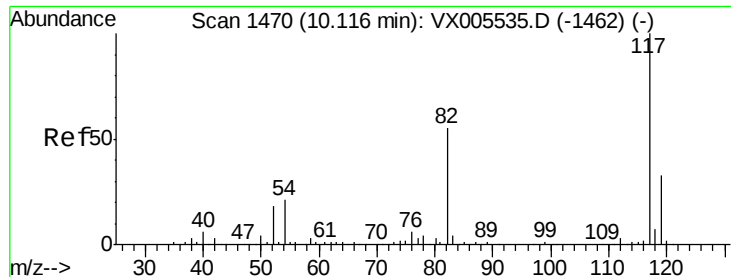


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

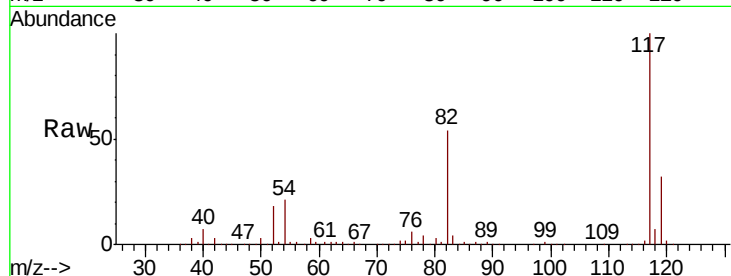




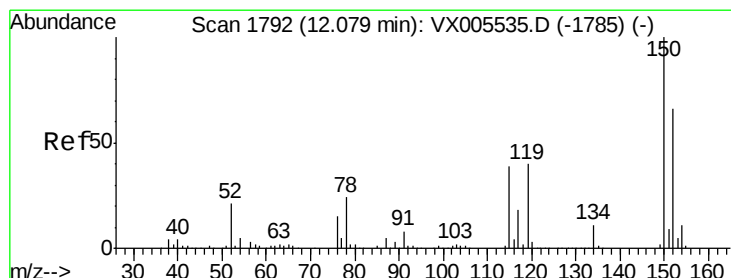
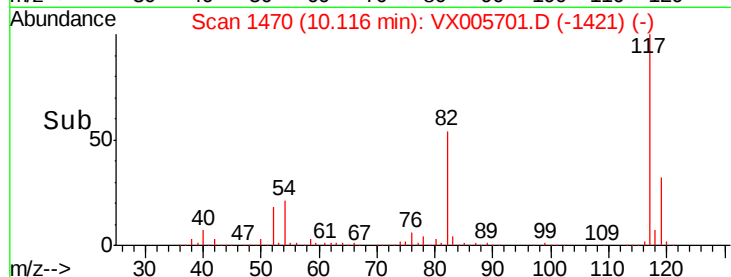
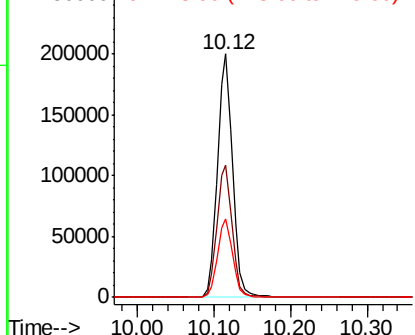
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005701.D
Acq: 30 Oct 2018 19:27

Instrument :
MSVOA_X
ClientSampleId :
FT-DUP02-20181025

Tot Ion:117 Resp: 272160
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 32.0 26.2 39.2

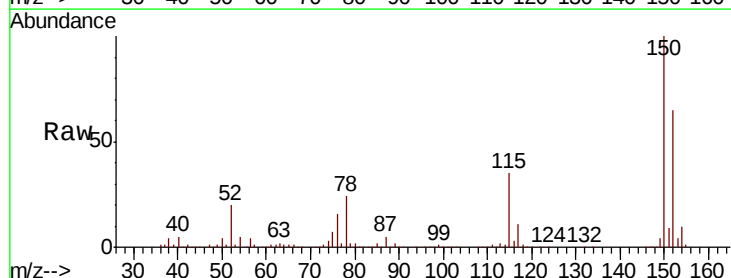


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

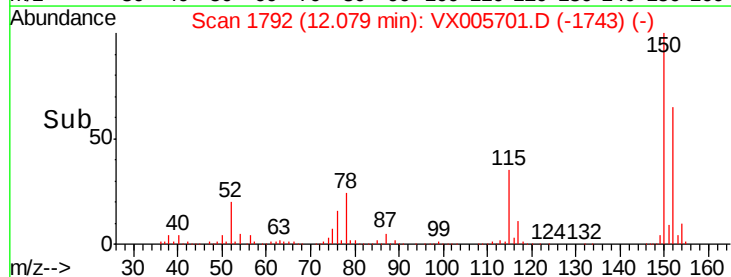
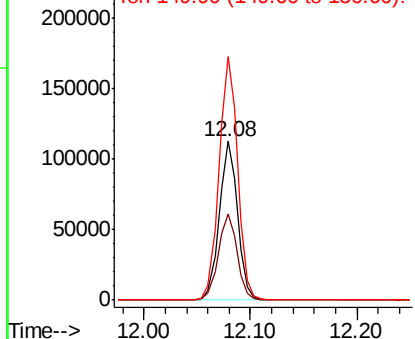


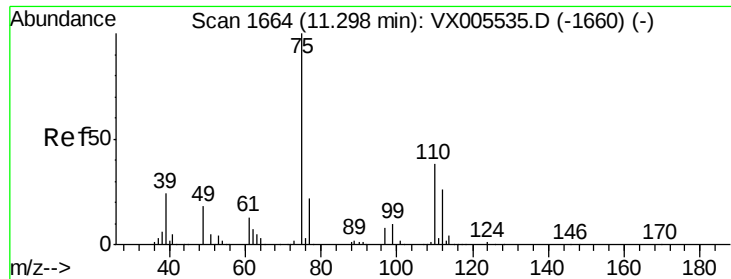
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005701.D
Acq: 30 Oct 2018 19:27

Tgt Ion:152 Resp: 133744
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 156.2 0.0 346.4



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: 21.275 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

Instrument :

MSVOA_X

ClientSampleId :

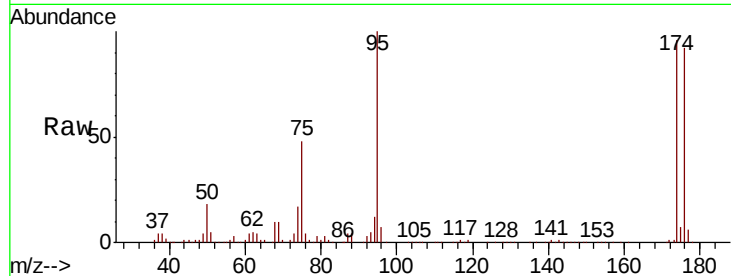
FT-DUP02-20181025

Tot Ion: 75 Resp: 60288

Ion Ratio Lower Upper

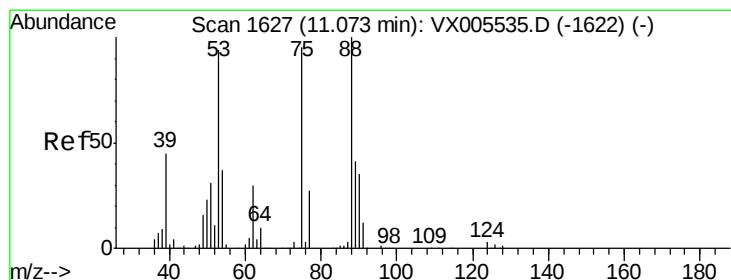
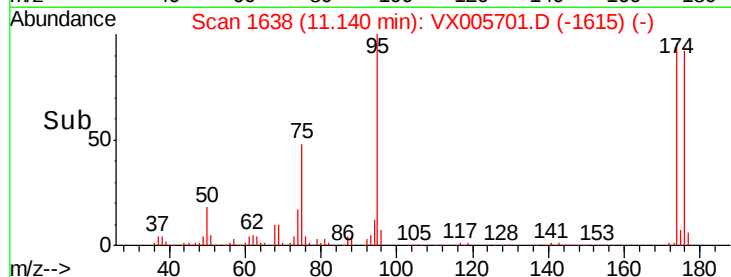
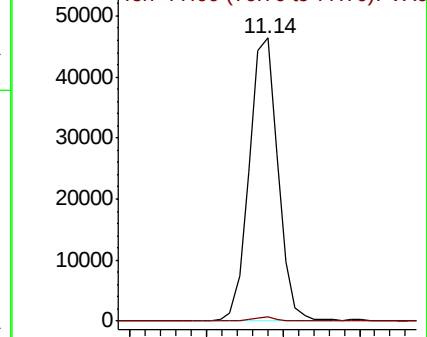
75 100

77 1.3 20.5 61.6#



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: 69.517 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005701.D

Acq: 30 Oct 2018 19:27

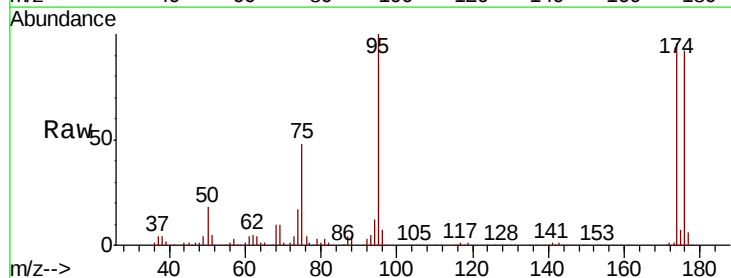
Tgt Ion: 75 Resp: 60288

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



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

