

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003113.D
 Acq On : 01 Jul 2018 08:12
 Operator : JC/MD
 Sample : J3799-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-16

Quant Time: Jul 02 04:59:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	207950	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	182797	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	5.51	113	151419	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	8.72	98	551606	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.14	95	194449	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

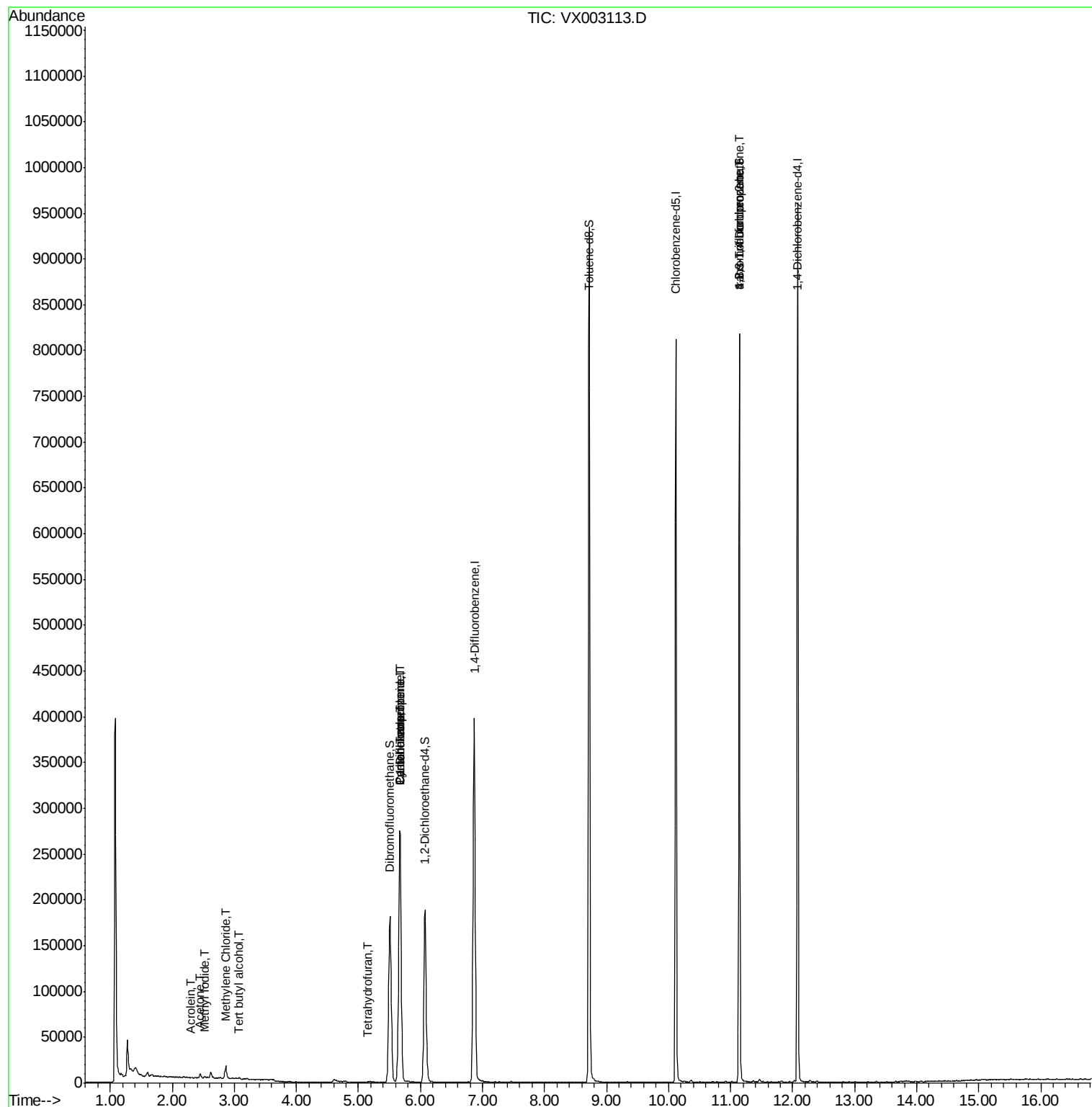
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	56	Below Cal	#	43
3) Chloromethane	1.32	50	939	Below Cal		91
5) Bromomethane	1.65	94	1598	Below Cal		93
6) Chloroethane	1.69	64	162	Below Cal		96
10) Methyl Iodide	2.52	142	1405	6.61	ug/l	96
11) Tert butyl alcohol	3.07	59	1525	1.95	ug/l #	58
13) Acrolein	2.29	56	325	4.96	ug/l	96
16) Acetone	2.45	43	4944	3.04	ug/l	99
20) Methylene Chloride	2.86	84	6171	1.95	ug/l	92
29) Tetrahydrofuran	5.15	42	476	0.31	ug/l #	36
31) Cyclohexane	5.67	56	5500	1.12	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	18283	4.22	ug/l #	51
38) Carbon Tetrachloride	5.67	117	25003	5.25	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	99685	26.46	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	99685	74.98	ug/l #	7

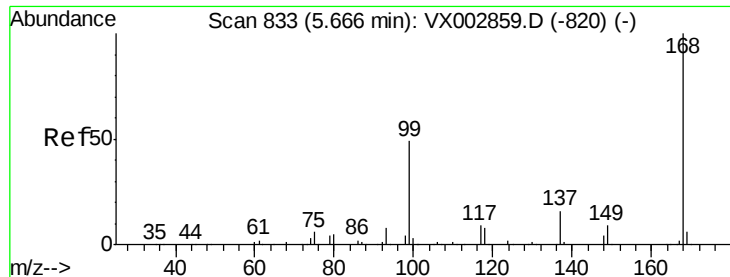
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

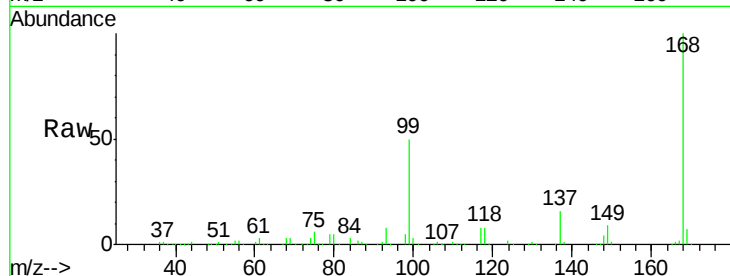
MW-16

Tot Ion:168 Resp: 284471

Ion Ratio Lower Upper

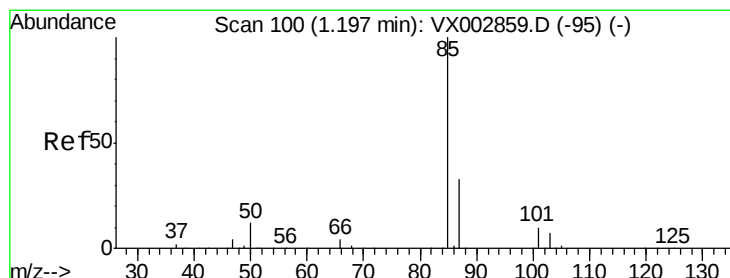
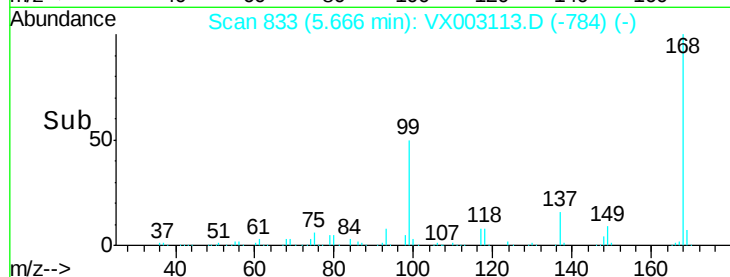
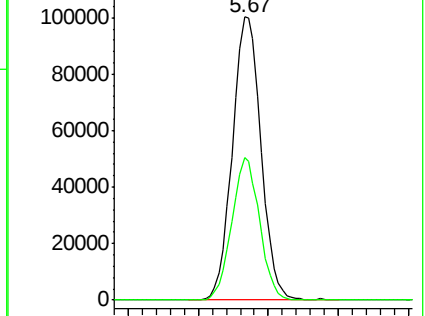
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003113.D

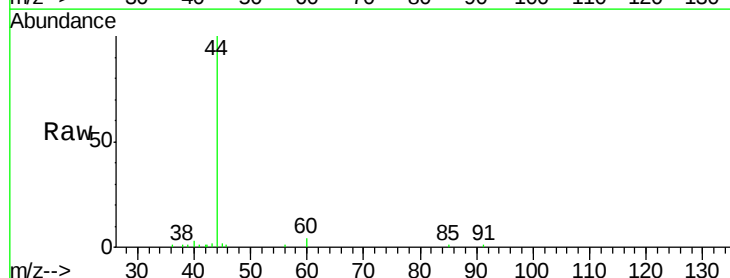
Acq: 01 Jul 2018 08:12

Tgt Ion: 85 Resp: 56

Ion Ratio Lower Upper

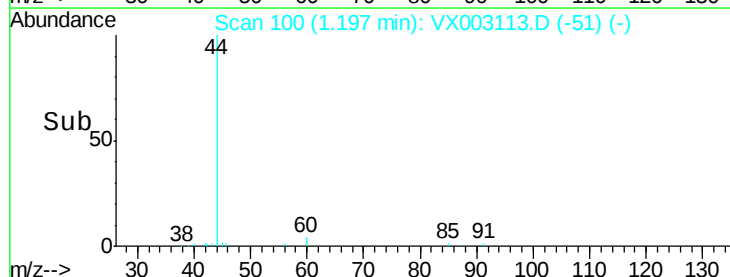
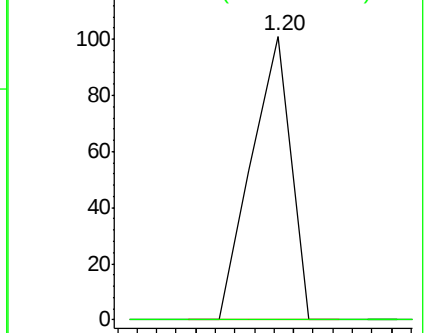
85 100

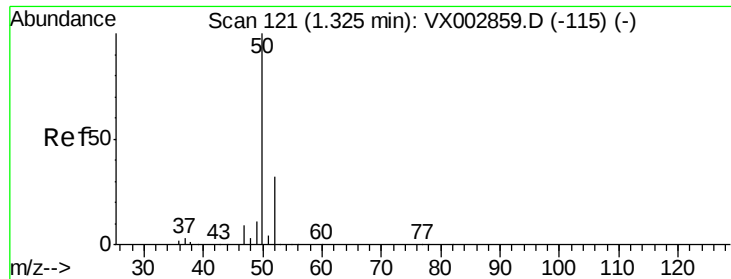
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampled :

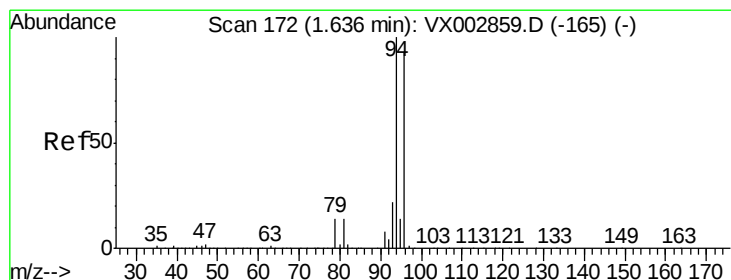
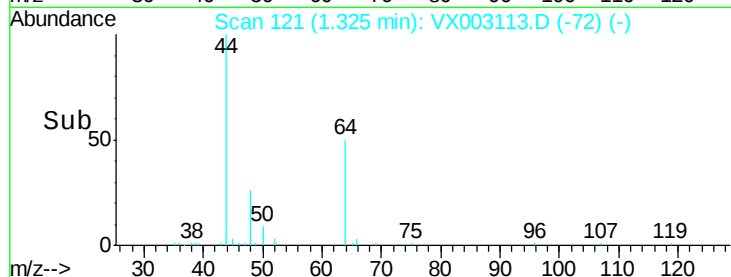
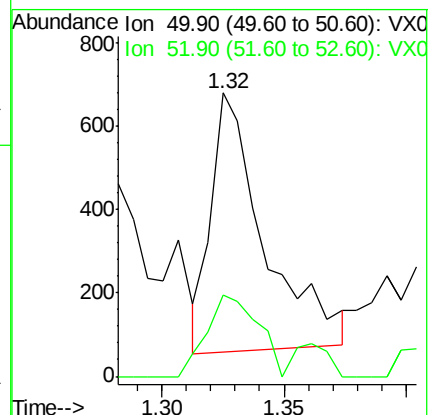
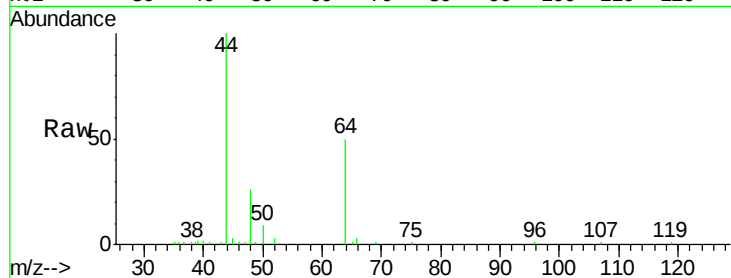
MW-16

Tot Ion: 50 Resp: 939

Ion Ratio Lower Upper

50 100

52 37.2 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003113.D

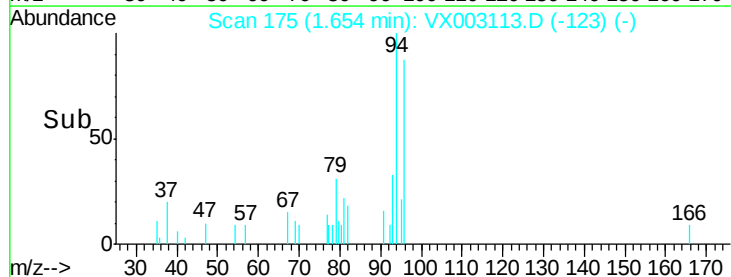
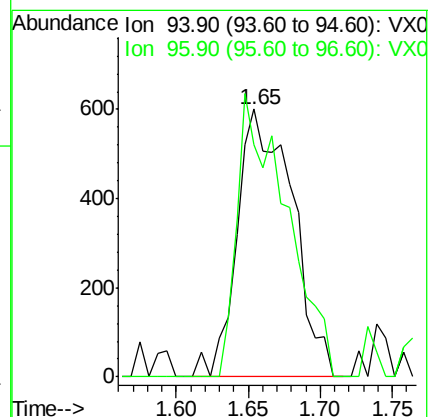
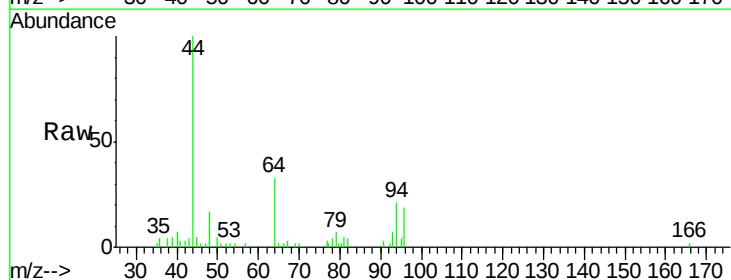
Acq: 01 Jul 2018 08:12

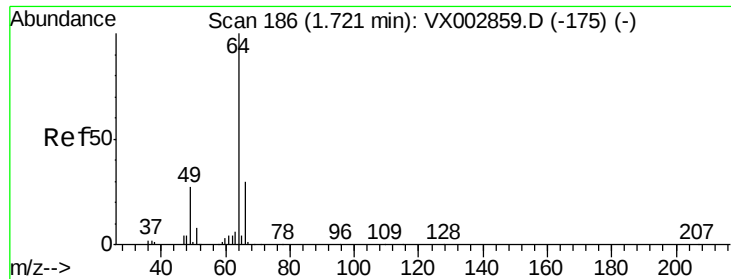
Tgt Ion: 94 Resp: 1598

Ion Ratio Lower Upper

94 100

96 87.0 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampled :

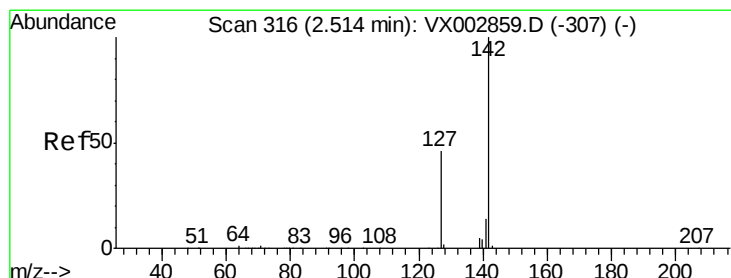
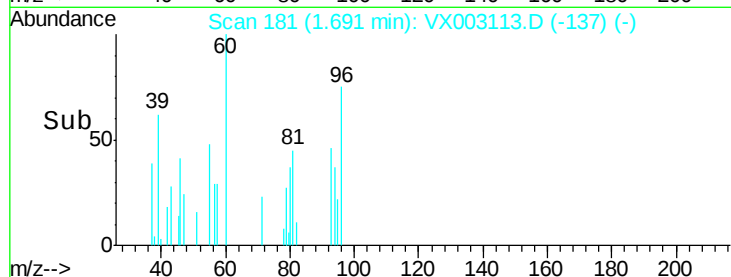
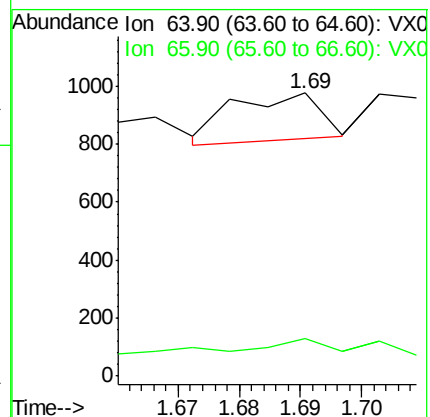
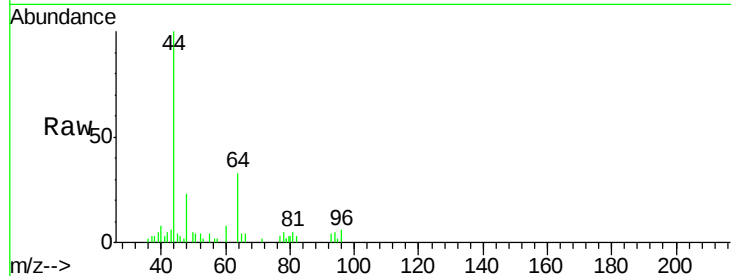
MW-16

Tot Ion: 64 Resp: 162

Ion Ratio Lower Upper

64 100

66 29.5 25.5 38.3



#10

Methyl Iodide

Concen: 6.61 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

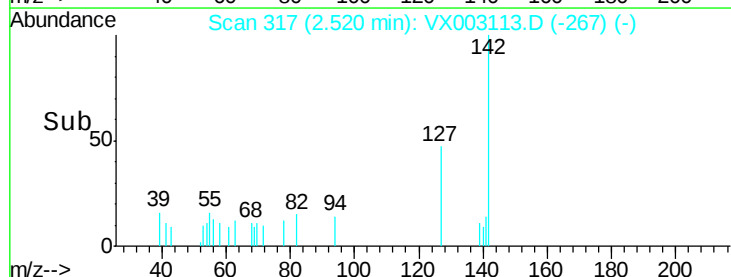
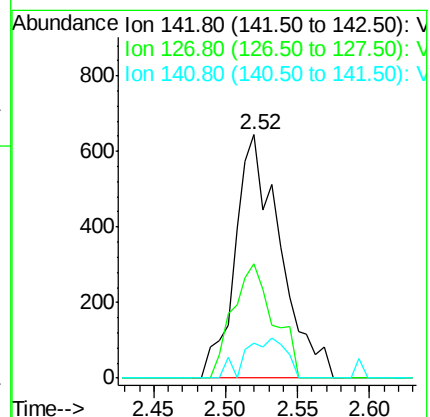
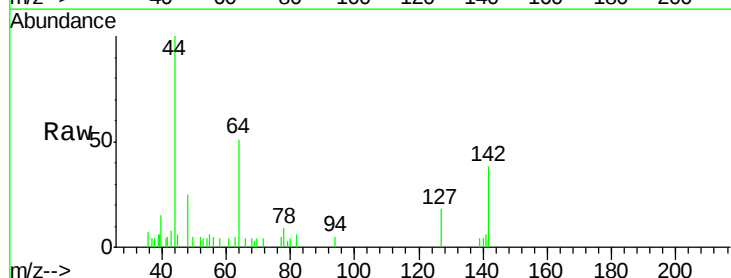
Tgt Ion:142 Resp: 1405

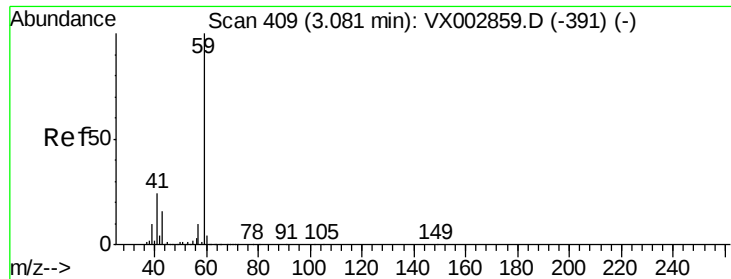
Ion Ratio Lower Upper

142 100

127 42.9 36.6 55.0

141 14.7 11.3 16.9

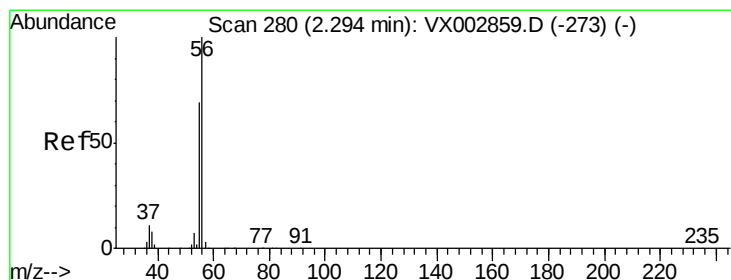
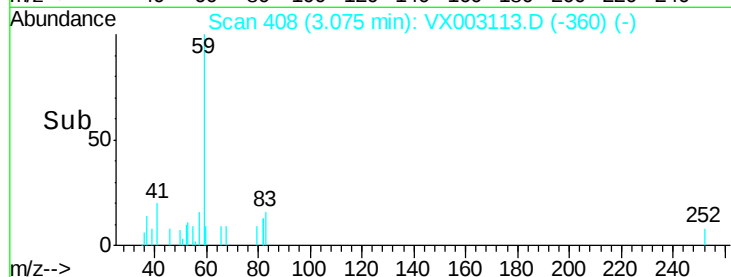
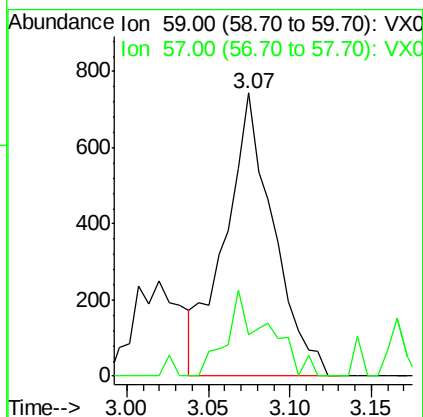
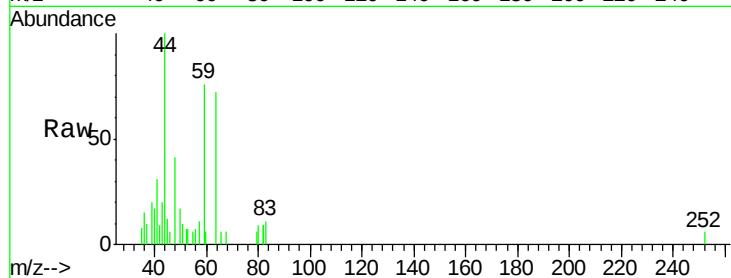




#11
Tert butyl alcohol
Concen: 1.95 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

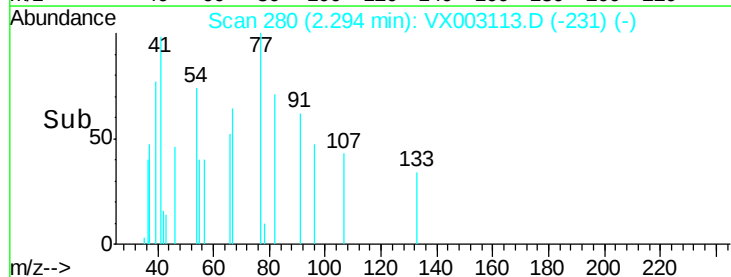
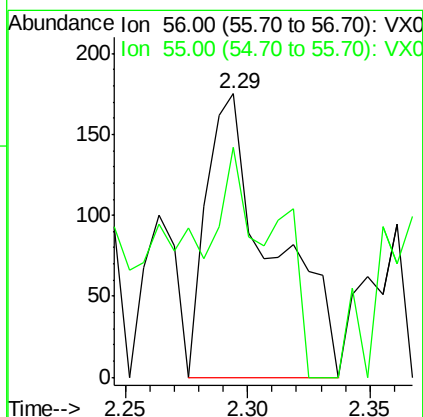
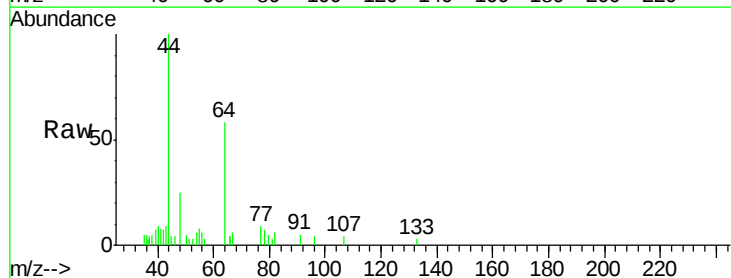
Instrument :
MSVOA_X
ClientSampled :
MW-16

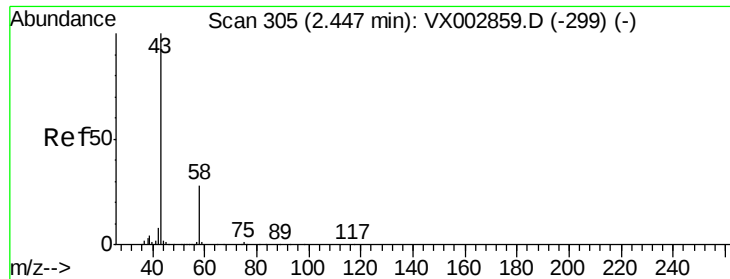
Tot Ion: 59 Resp: 1525
Ion Ratio Lower Upper
59 100
57 25.9 8.2 12.2#



#13
Acrolein
Concen: 4.96 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

Tgt Ion: 56 Resp: 325
Ion Ratio Lower Upper
56 100
55 68.0 57.0 85.4





#16

Acetone

Concen: 3.04 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

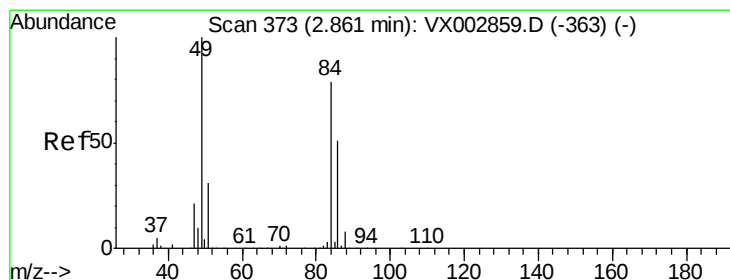
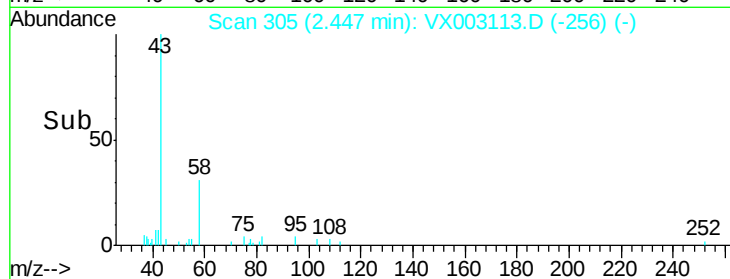
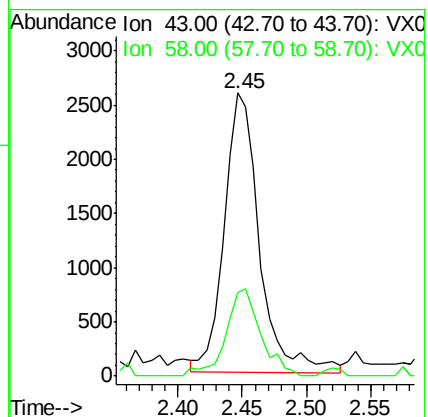
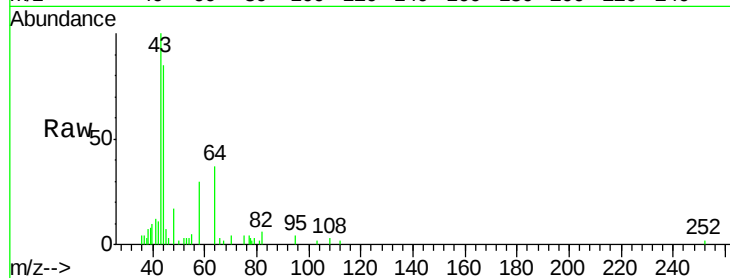
MW-16

Tot Ion: 43 Resp: 4944

Ion Ratio Lower Upper

43 100

58 28.2 22.1 33.1



#20

Methylene Chloride

Concen: 1.95 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Tgt Ion: 84 Resp: 6171

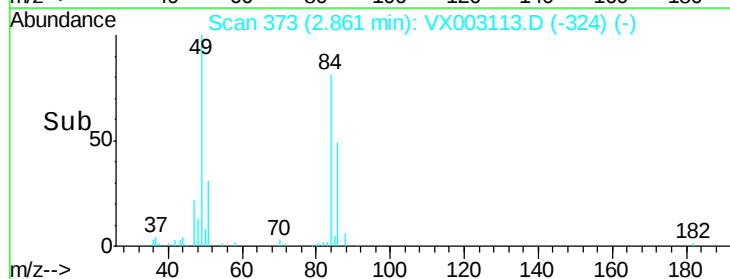
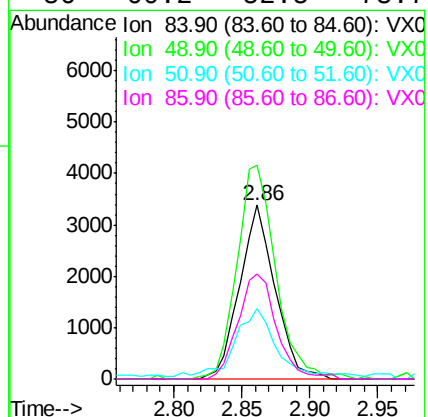
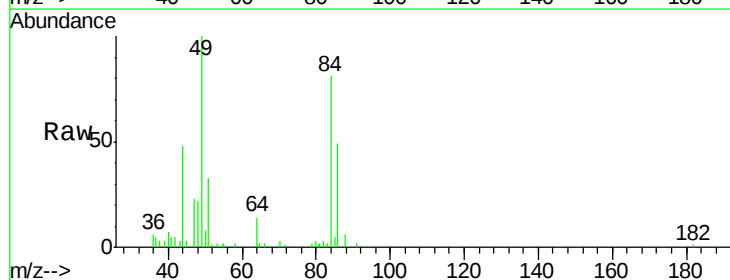
Ion Ratio Lower Upper

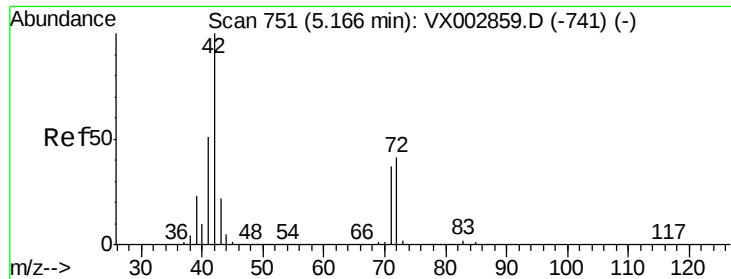
84 100

49 122.8 107.8 161.6

51 38.7 32.8 49.2

86 60.2 52.5 78.7

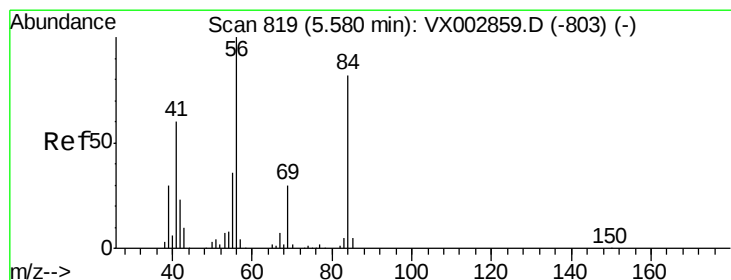
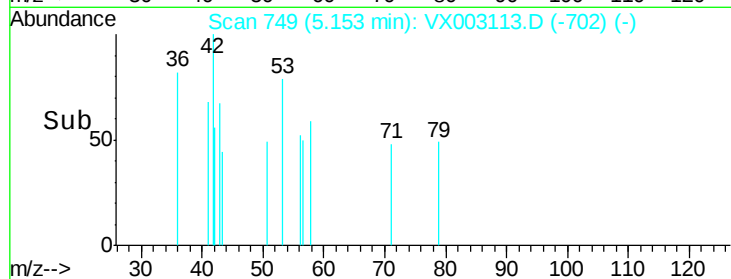
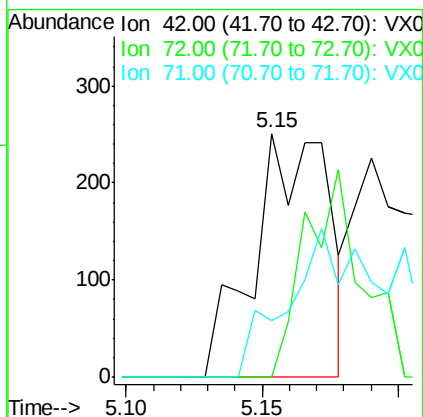
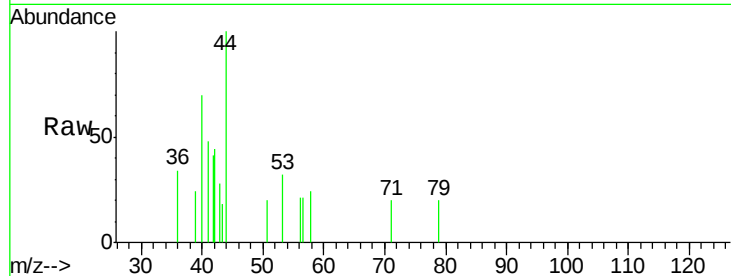




#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

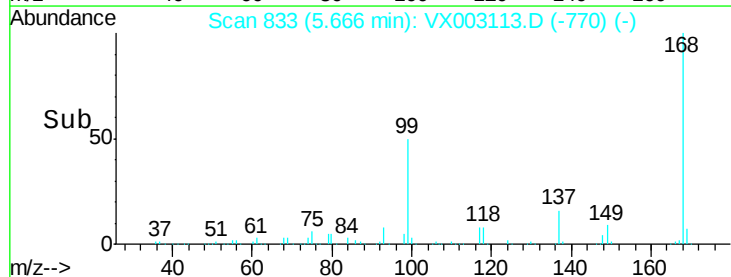
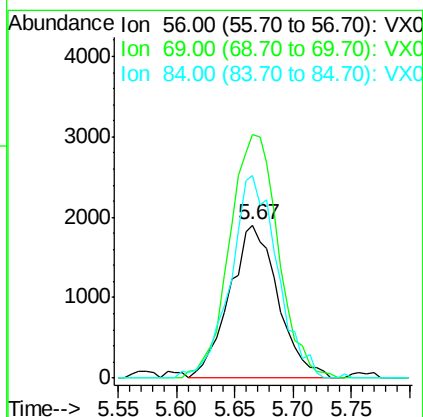
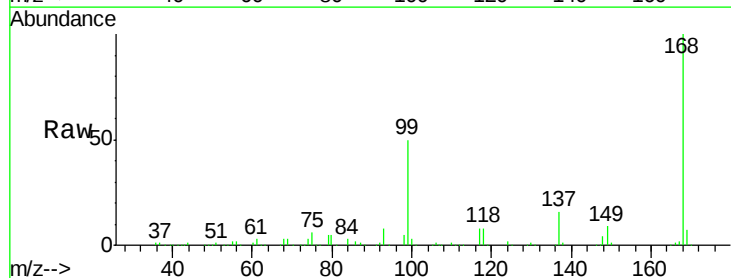
Instrument :
MSVOA_X
ClientSampled :
MW-16

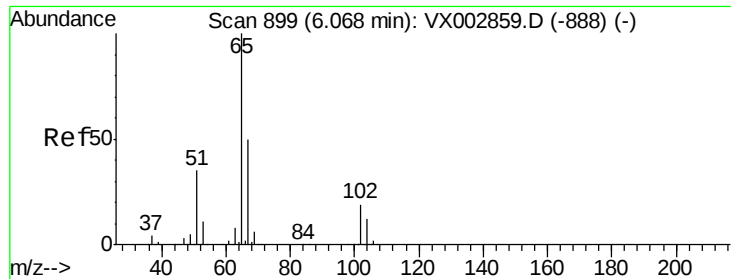
Tot Ion: 42 Resp: 476
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 1.12 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

Tgt Ion: 56 Resp: 5500
Ion Ratio Lower Upper
56 100
69 158.8 23.7 35.5#
84 132.4 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 46.49 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

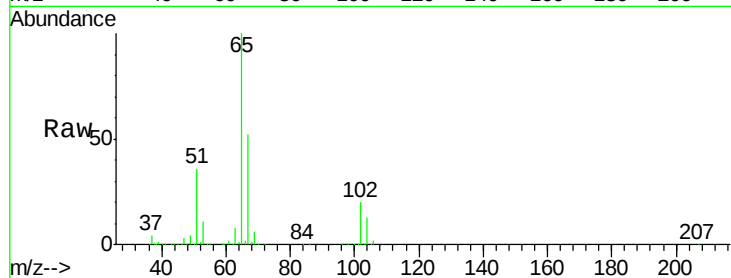
MW-16

Tot Ion: 65 Resp: 182797

Ion Ratio Lower Upper

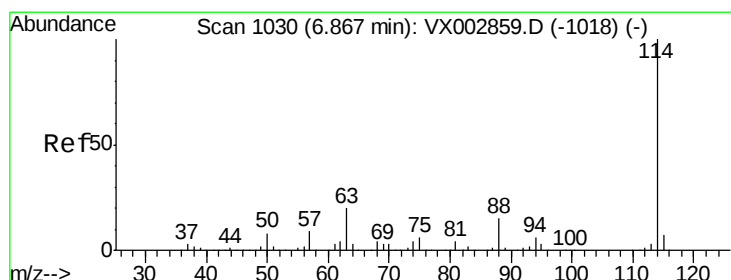
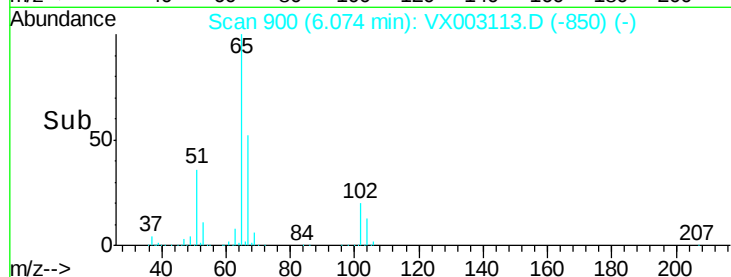
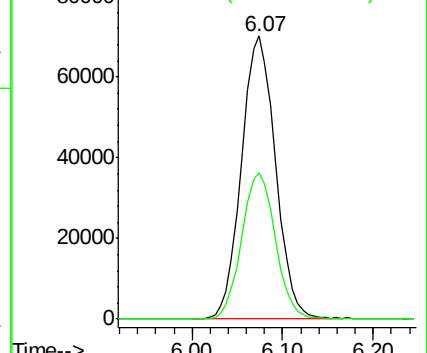
65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

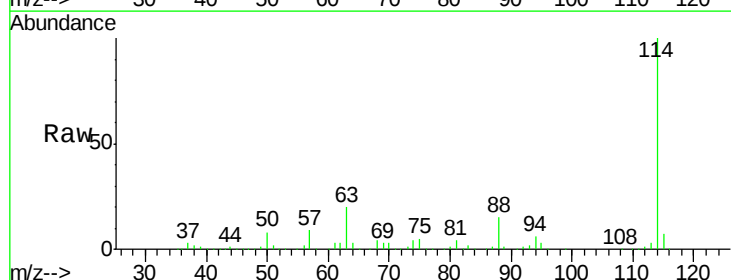
Tgt Ion: 114 Resp: 395494

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.4

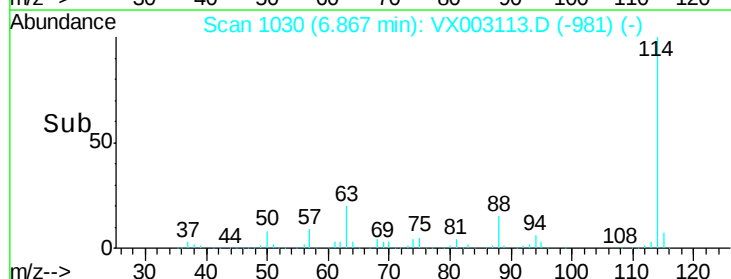
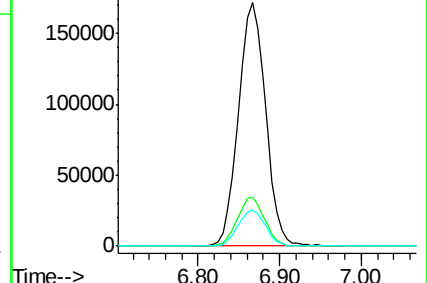
88 14.8 0.0 30.0

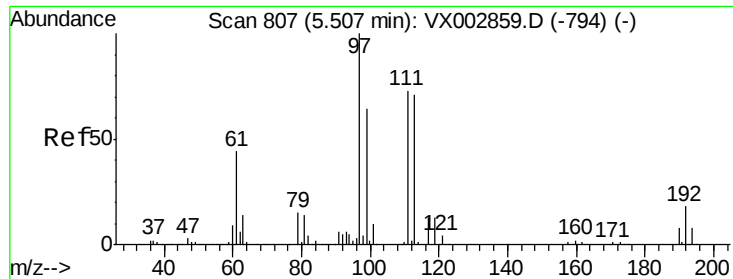


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.35 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

MW-16

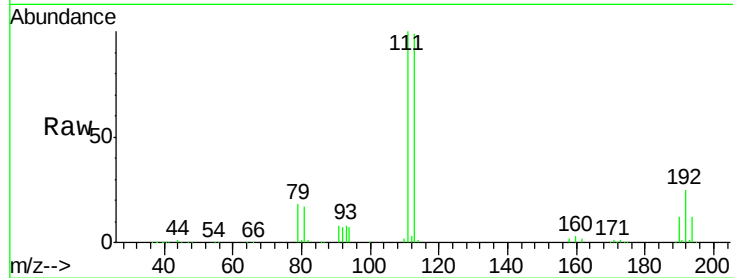
Tot Ion:113 Resp: 151419

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

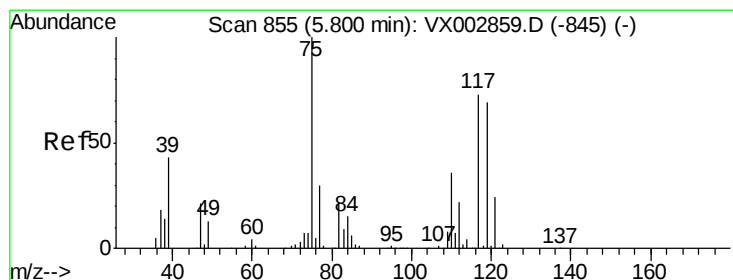
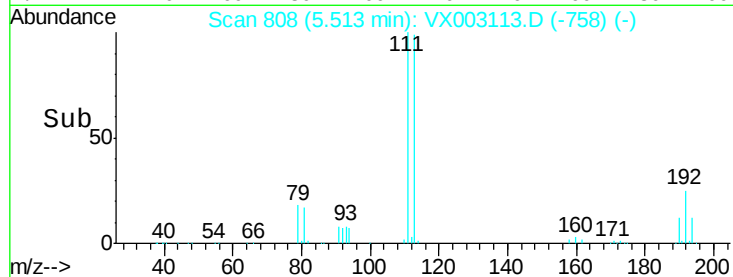
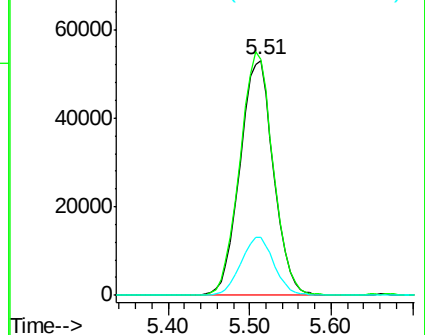
192 24.6 19.1 28.7



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: 4.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

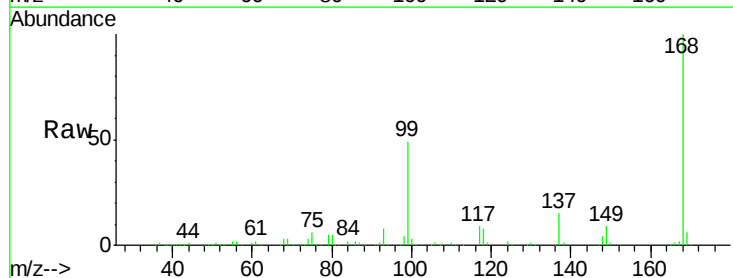
Tgt Ion: 75 Resp: 18283

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.4#

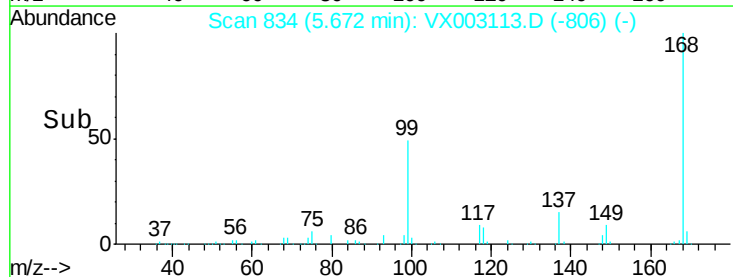
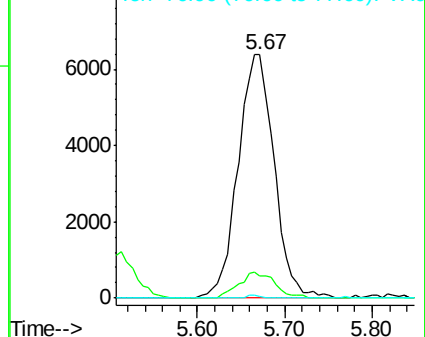
77 0.4 24.3 36.5#

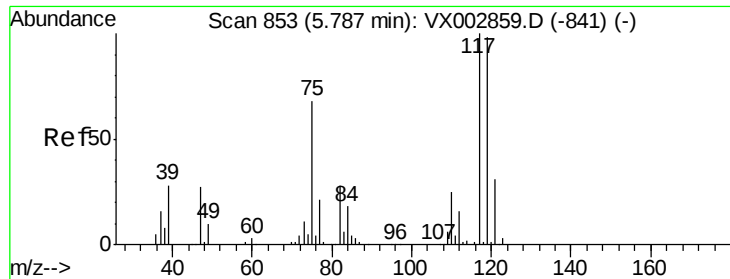


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.25 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

MW-16

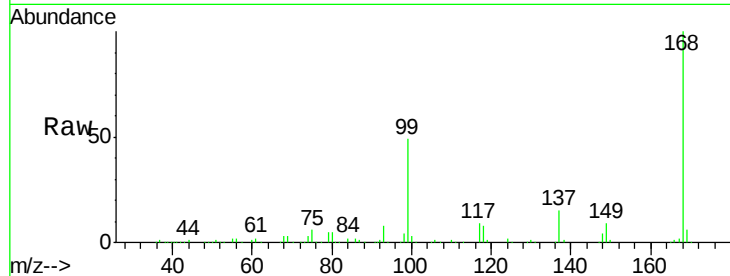
Tot Ion:117 Resp: 25003

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

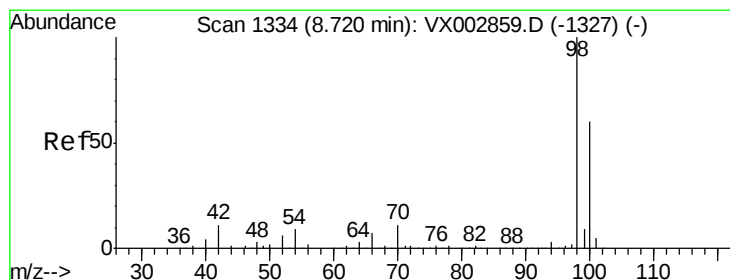
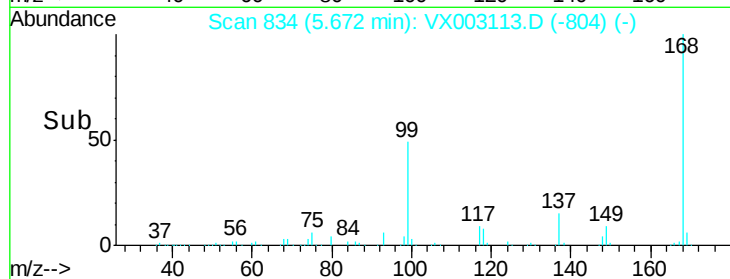
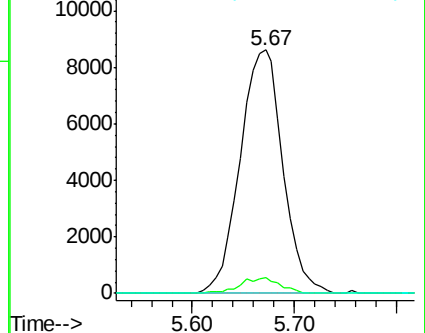
121 0.0 24.4 36.6#



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: 48.23 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003113.D

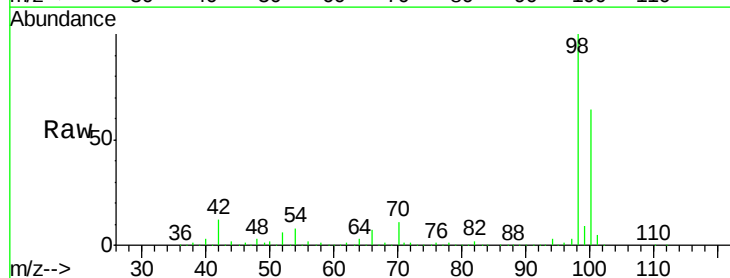
Acq: 01 Jul 2018 08:12

Tgt Ion: 98 Resp: 551606

Ion Ratio Lower Upper

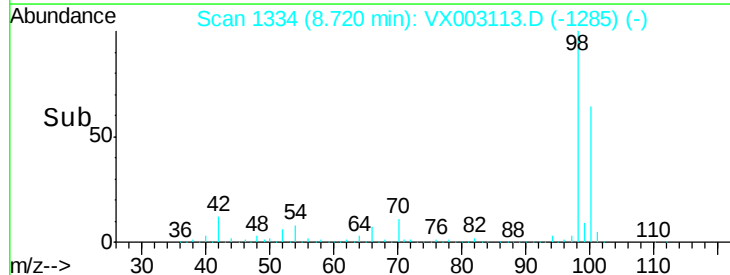
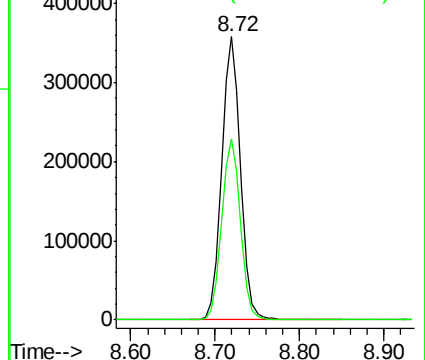
98 100

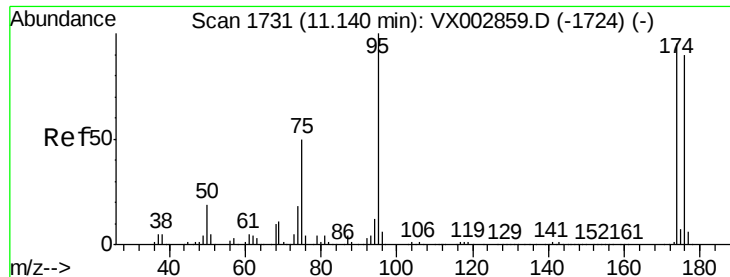
100 63.9 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

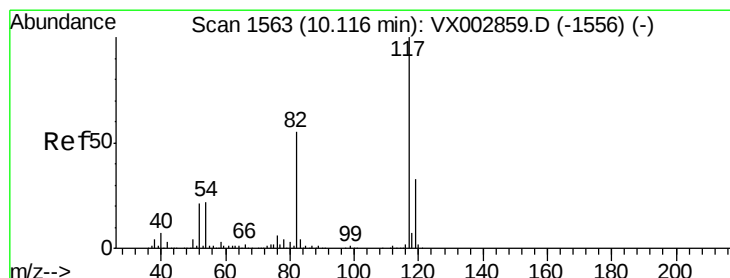
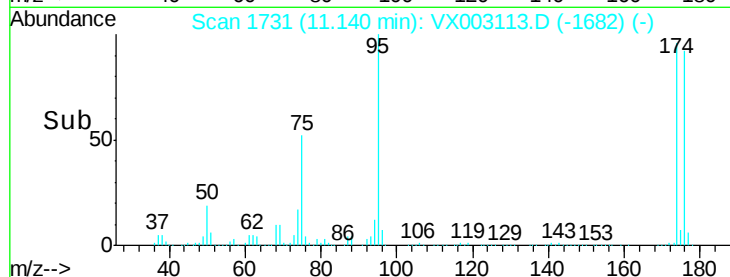
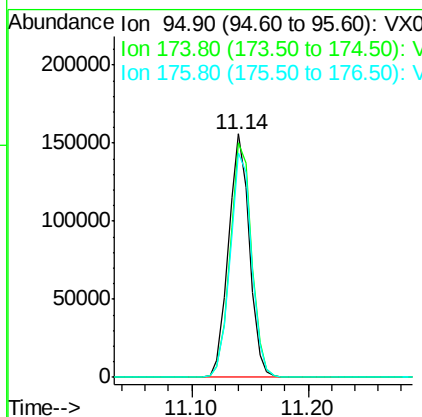
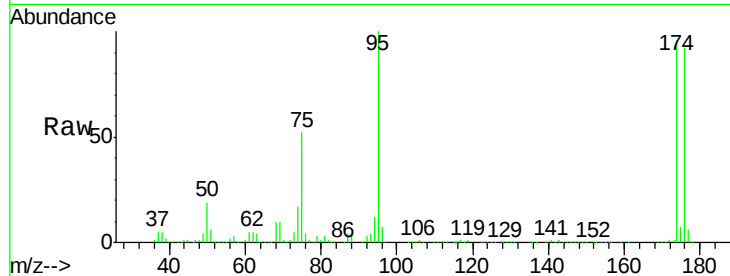




#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

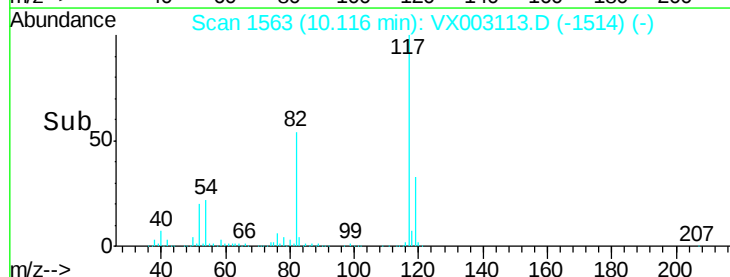
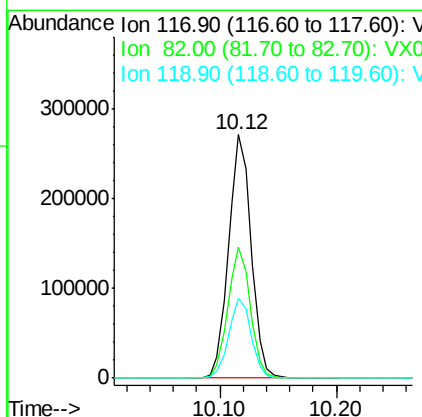
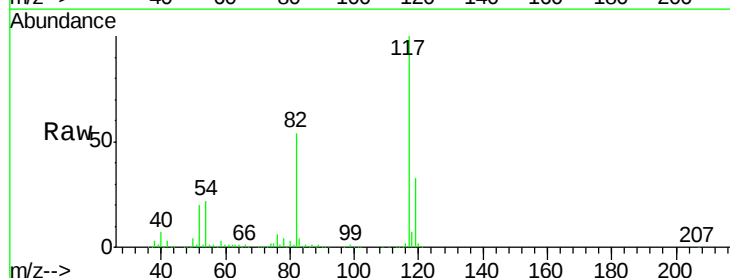
Instrument :
MSVOA_X
ClientSampled :
MW-16

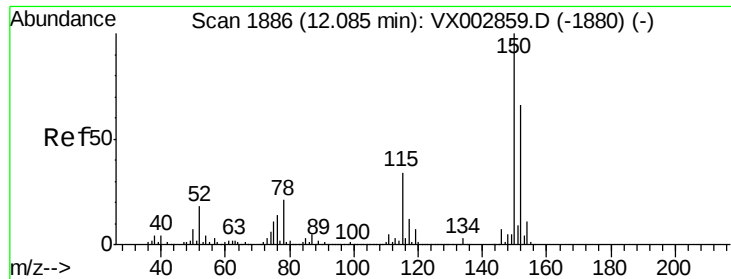
Tot Ion: 95 Resp: 194449
Ion Ratio Lower Upper
95 100
174 99.2 0.0 187.4
176 95.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003113.D
Acq: 01 Jul 2018 08:12

Tgt Ion: 117 Resp: 365756
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

MW-16

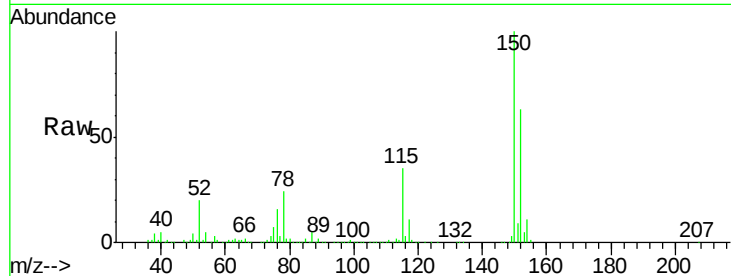
Tot Ion:152 Resp: 207950

Ion Ratio Lower Upper

152 100

115 53.4 40.1 120.2

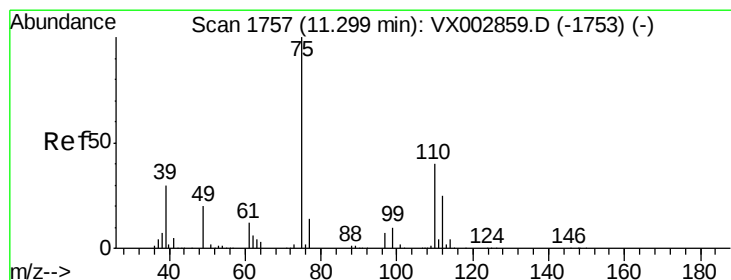
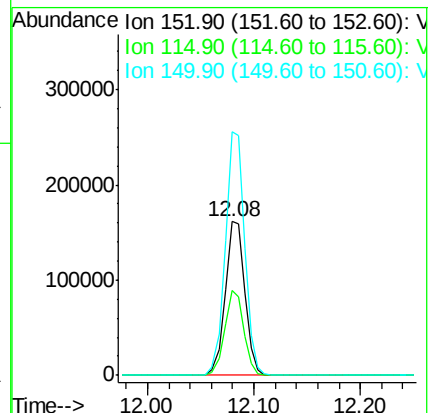
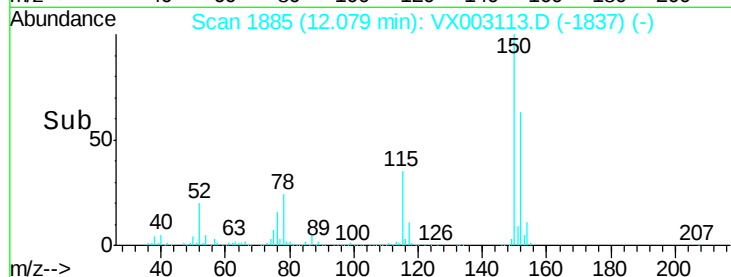
150 156.7 0.0 347.2



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: 26.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003113.D

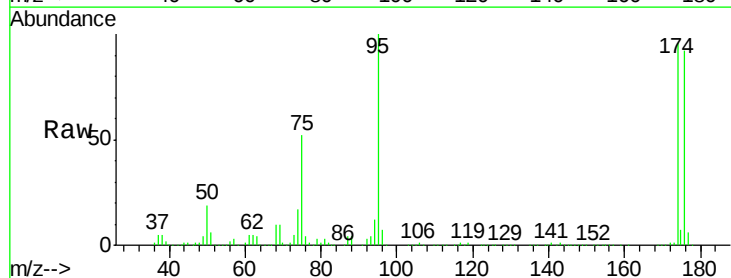
Acq: 01 Jul 2018 08:12

Tgt Ion: 75 Resp: 99685

Ion Ratio Lower Upper

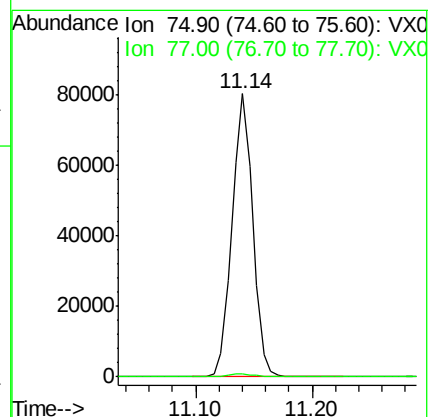
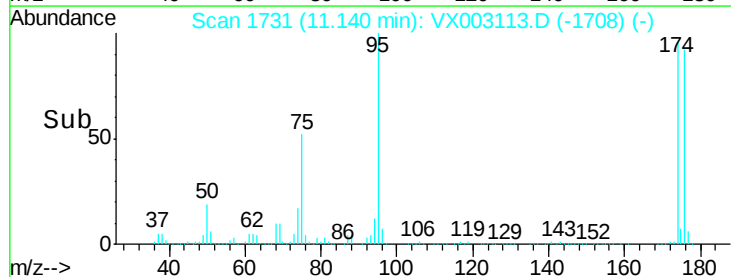
75 100

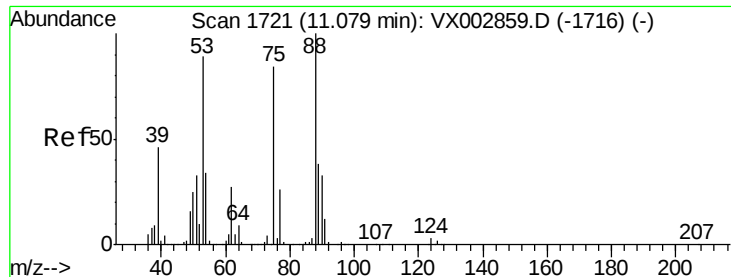
77 1.3 22.8 68.3#



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: 74.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003113.D

Acq: 01 Jul 2018 08:12

Instrument :

MSVOA_X

ClientSampleId :

MW-16

Tot Ion: 75 Resp: 99685

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

