

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070218\
 Data File : VX003130.D
 Acq On : 02 Jul 2018 16:37
 Operator : JC/MD
 Sample : J3787-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-CHY07

Quant Time: Jul 03 06:57:45 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	271302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202465	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	171629	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
35) Dibromofluoromethane	5.51	113	143801	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.72	98	516405	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.14	95	186148	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	

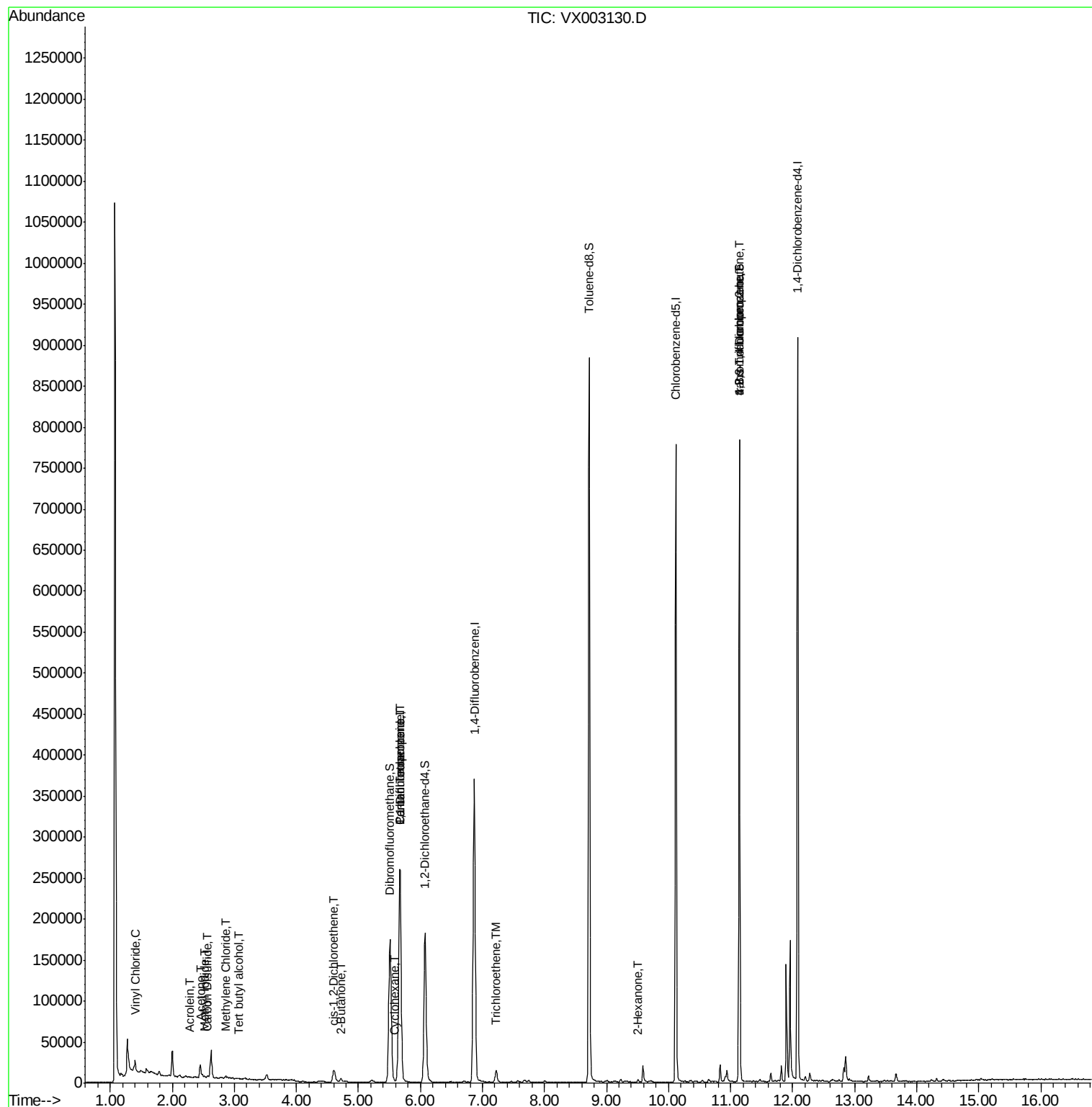
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	45	Below Cal	#	43
3) Chloromethane	1.32	50	958	Below Cal		89
4) Vinyl Chloride	1.40	62	746	0.24	ug/l #	1
5) Bromomethane	1.65	94	1593	Below Cal		94
6) Chloroethane	1.62	64	602	Below Cal	#	43
10) Methyl Iodide	2.51	142	1787	6.74	ug/l	89
11) Tert butyl alcohol	3.07	59	243	0.33	ug/l #	11
13) Acrolein	2.29	56	232	4.78	ug/l #	61
16) Acetone	2.45	43	16993	10.94	ug/l	97
17) Carbon Disulfide	2.57	76	4139	0.58	ug/l #	89
20) Methylene Chloride	2.86	84	895	0.30	ug/l #	82
25) 2-Butanone	4.72	43	6647	2.88	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	7912	2.42	ug/l	62
31) Cyclohexane	5.58	56	1093	0.23	ug/l #	65
36) 1,1-Dichloropropene	5.67	75	17836	4.38	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24009	5.37	ug/l #	15
44) Trichloroethene	7.22	130	5826	1.65	ug/l	87
59) 2-Hexanone	9.51	43	2184	0.62	ug/l	82
76) 1,2,3-Trichloropropane	11.14	75	94955	25.89	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	94955	73.43	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# 834

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

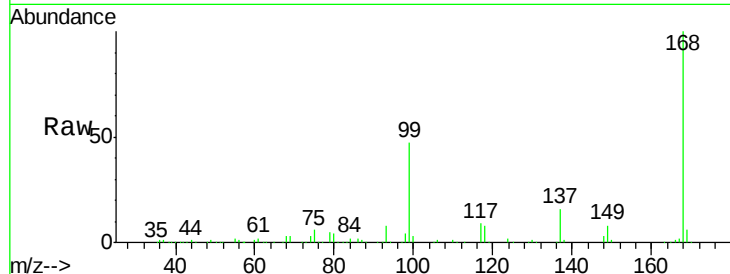
SP18-CHY07

Tot Ion:168 Resp: 271302

Ion Ratio Lower Upper

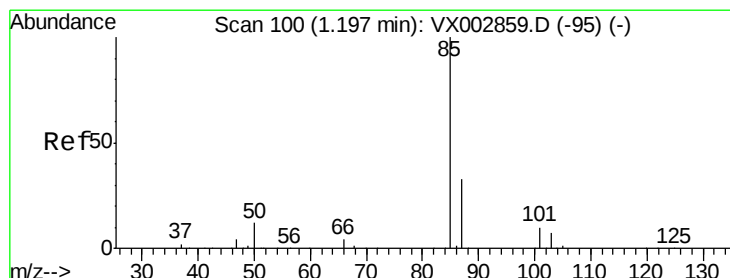
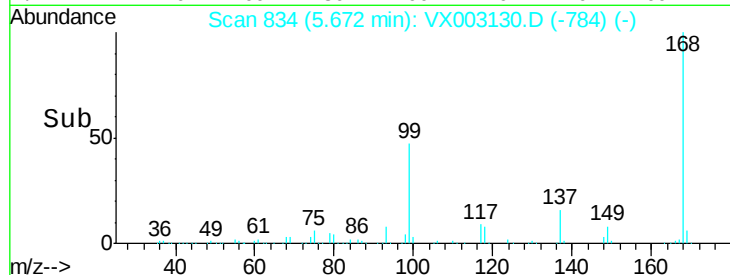
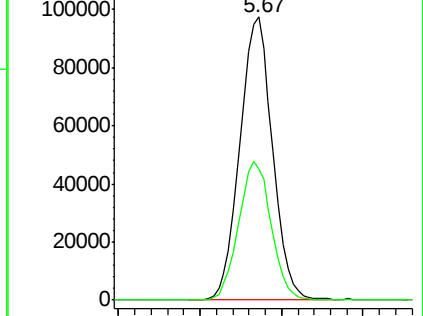
168 100

99 46.5 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: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX003130.D

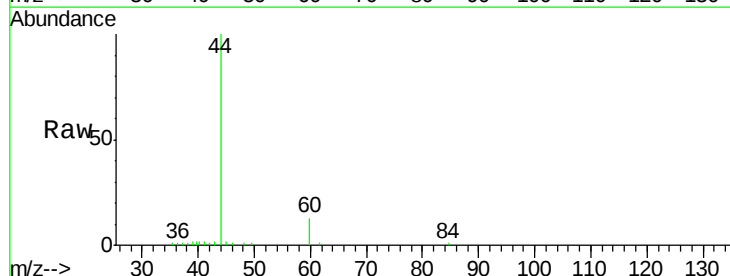
Acq: 02 Jul 2018 16:37

Tgt Ion: 85 Resp: 45

Ion Ratio Lower Upper

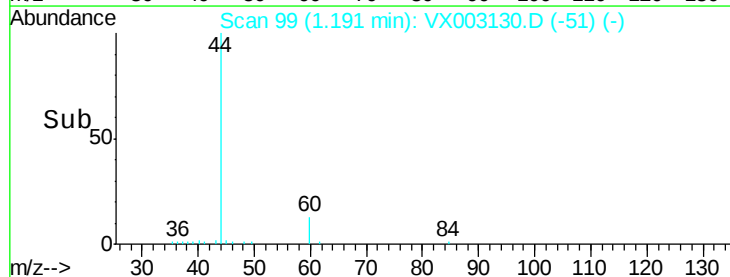
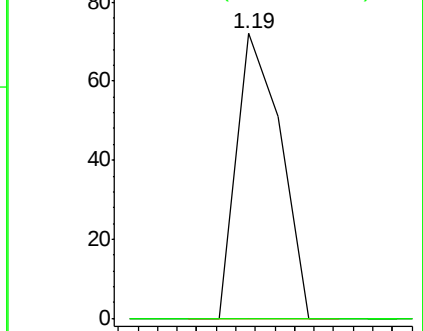
85 100

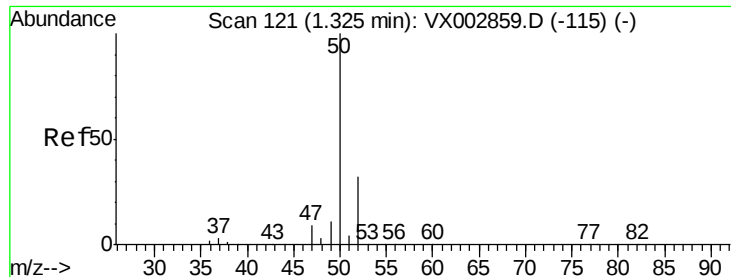
87 0.0 16.0 47.9#



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: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

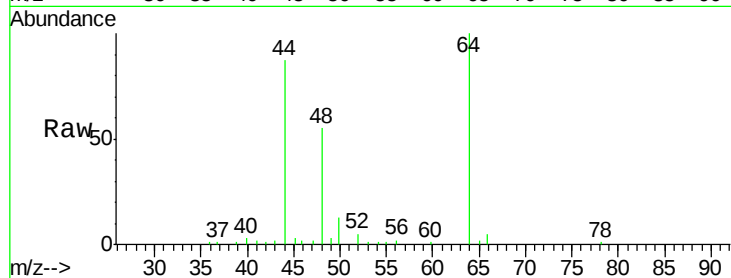
SP18-CHY07

Tot Ion: 50 Resp: 958

Ion Ratio Lower Upper

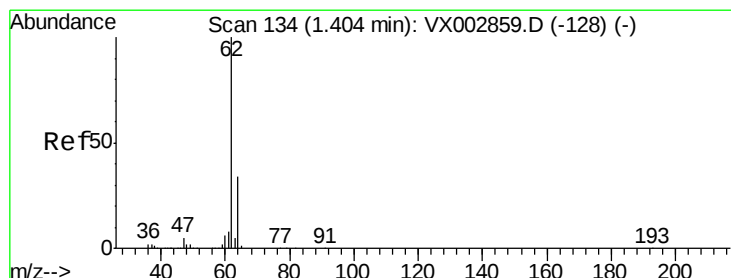
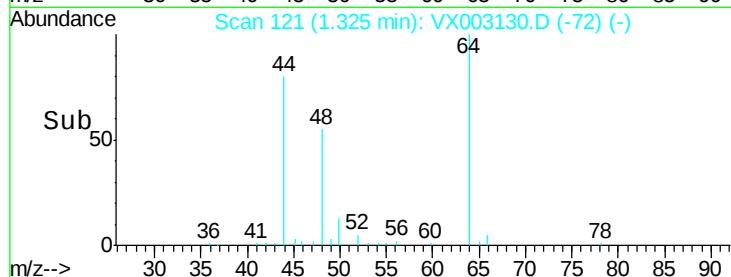
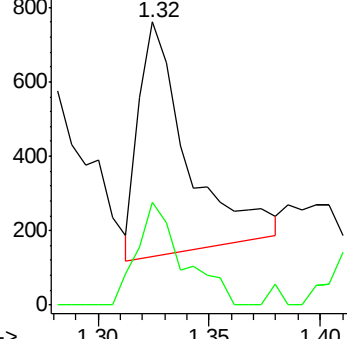
50 100

52 38.2 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.24 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003130.D

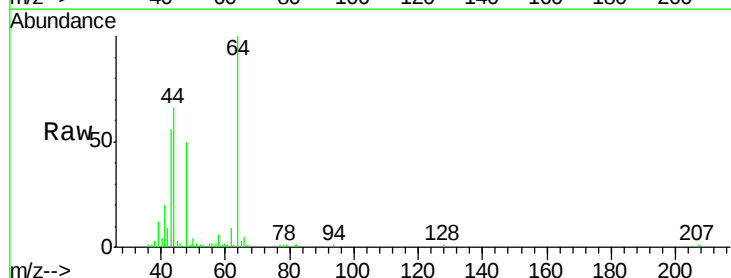
Acq: 02 Jul 2018 16:37

Tgt Ion: 62 Resp: 746

Ion Ratio Lower Upper

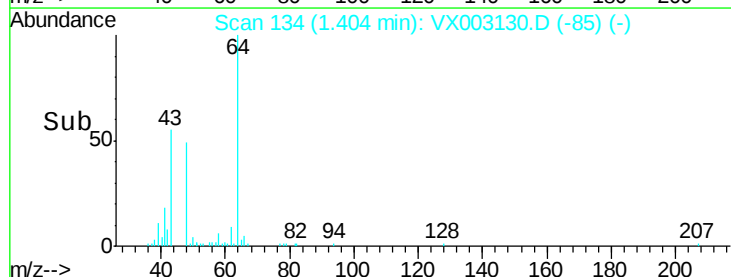
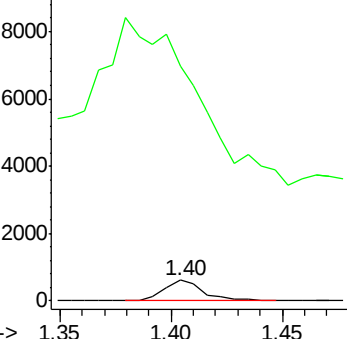
62 100

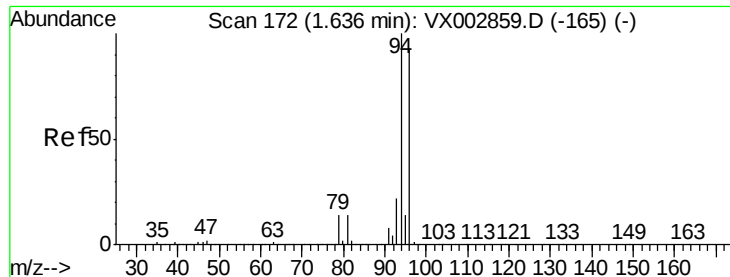
64 506.1 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

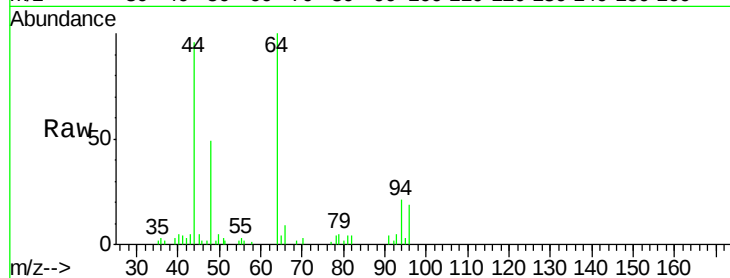
SP18-CHY07

Tot Ion: 94 Resp: 1593

Ion Ratio Lower Upper

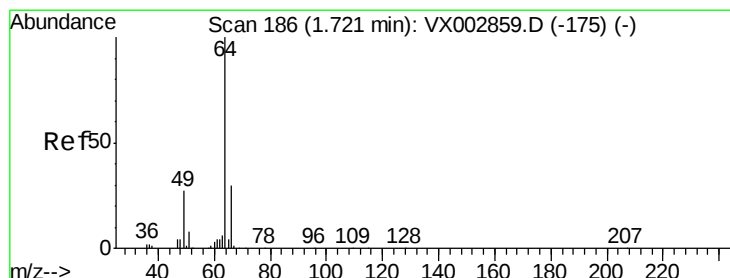
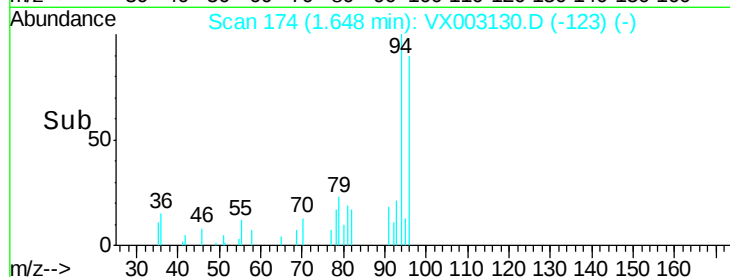
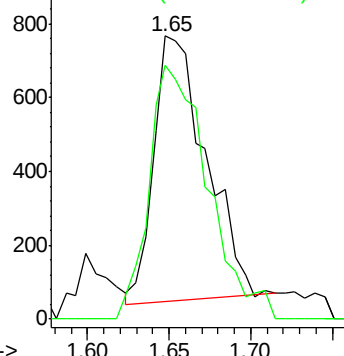
94 100

96 99.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.10 min

Lab File: VX003130.D

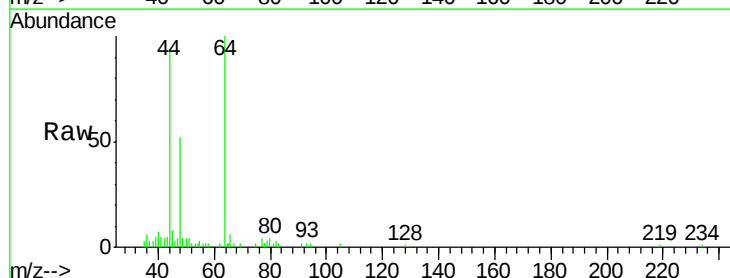
Acq: 02 Jul 2018 16:37

Tgt Ion: 64 Resp: 602

Ion Ratio Lower Upper

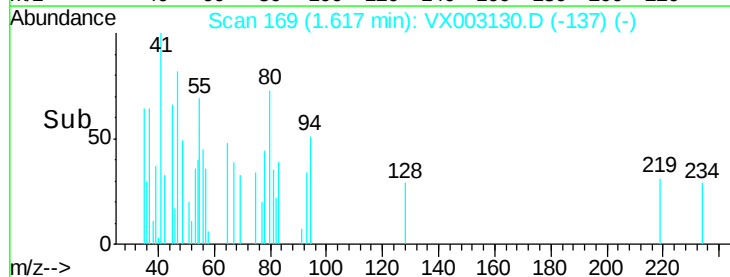
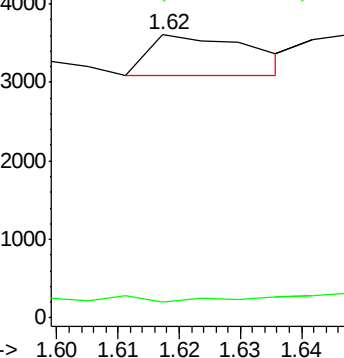
64 100

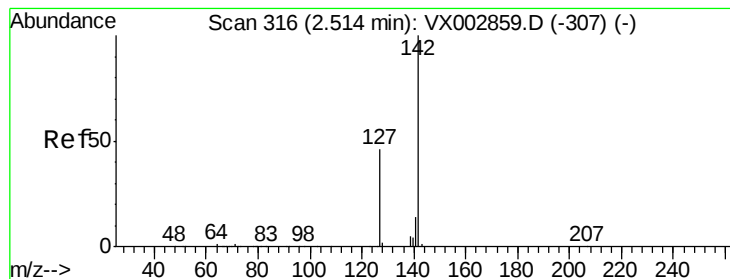
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 6.74 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

SP18-CHY07

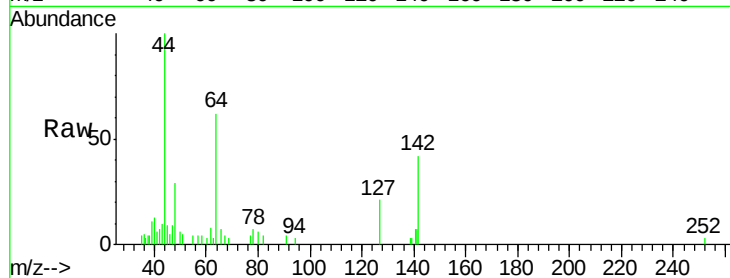
Tot Ion:142 Resp: 1787

Ion Ratio Lower Upper

142 100

127 53.9 36.6 55.0

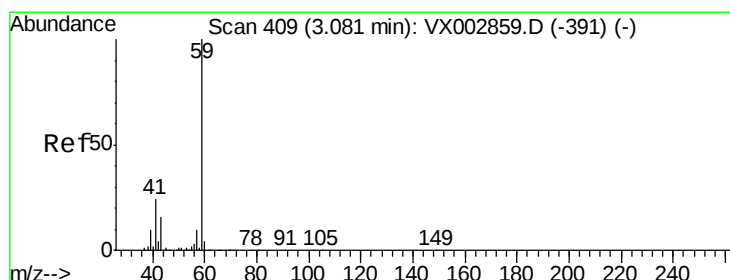
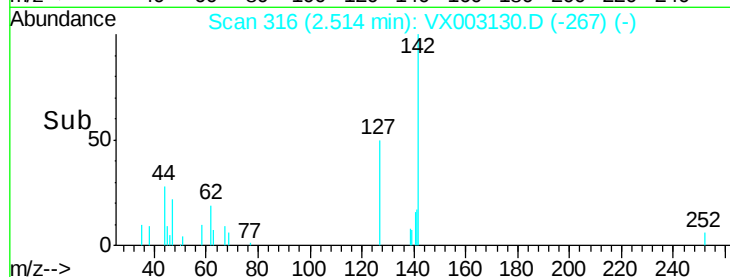
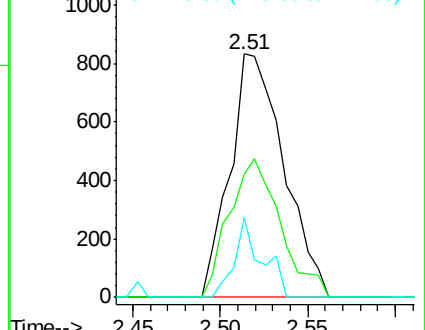
141 16.5 11.3 16.9



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



#11

Tert butyl alcohol

Concen: 0.33 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.01 min

Lab File: VX003130.D

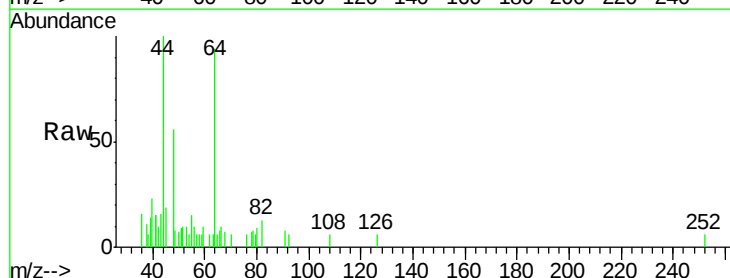
Acq: 02 Jul 2018 16:37

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

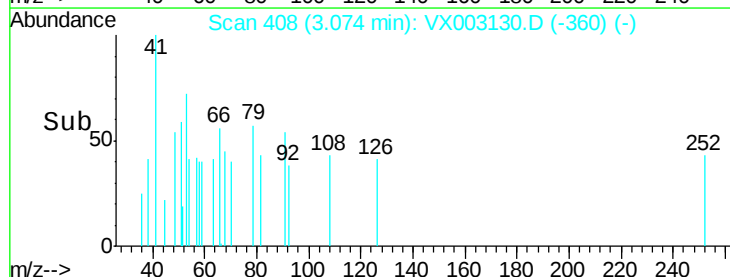
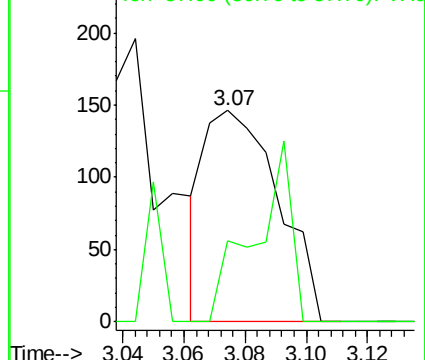
59 100

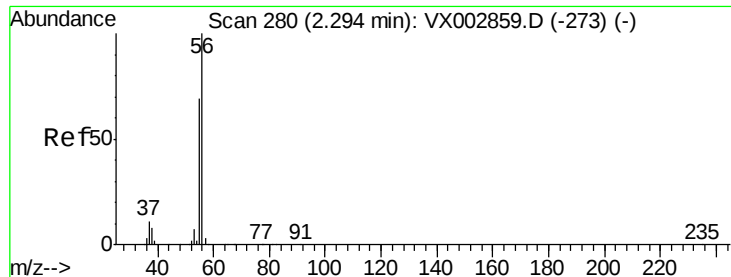
57 43.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.78 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

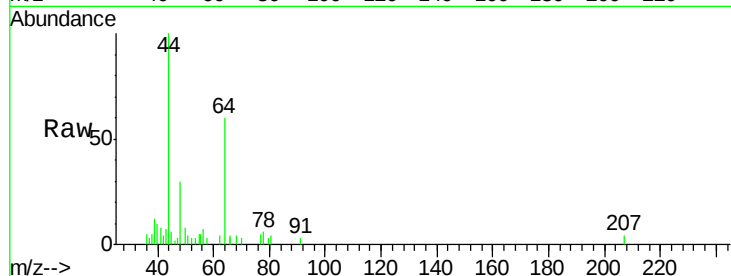
SP18-CHY07

Tot Ion: 56 Resp: 232

Ion Ratio Lower Upper

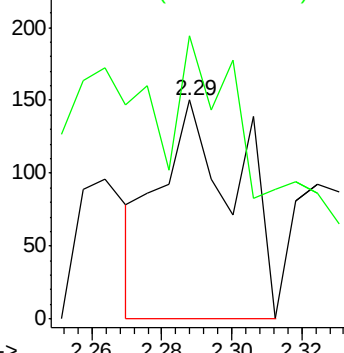
56 100

55 103.9 57.0 85.4#

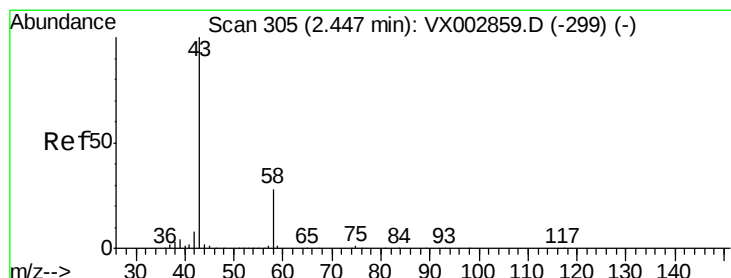
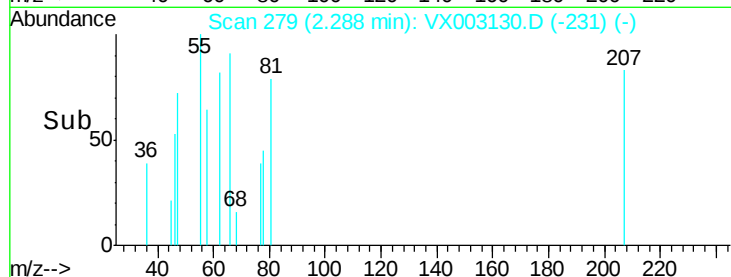


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 10.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003130.D

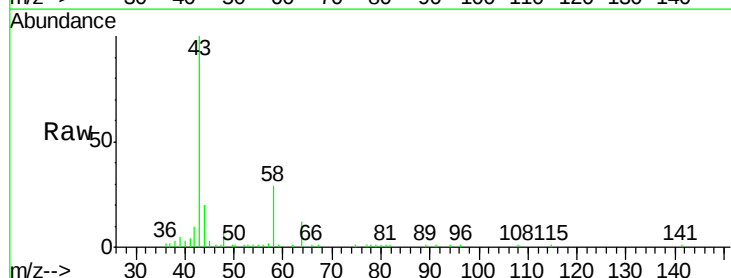
Acq: 02 Jul 2018 16:37

Tgt Ion: 43 Resp: 16993

Ion Ratio Lower Upper

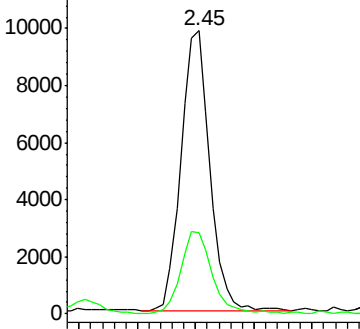
43 100

58 29.1 22.1 33.1

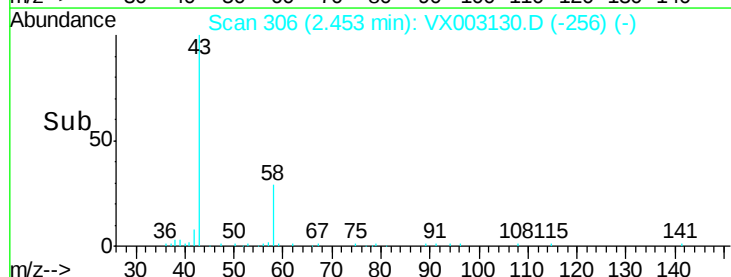


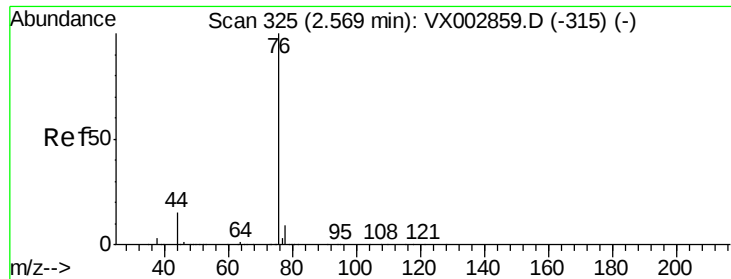
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

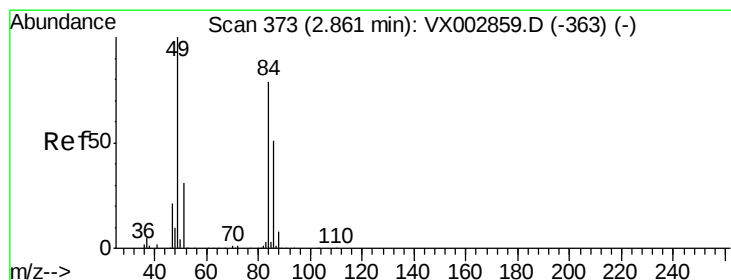
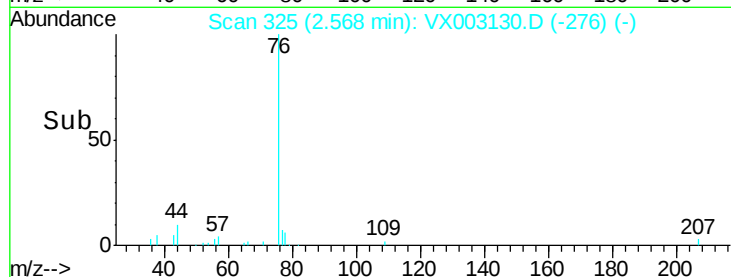
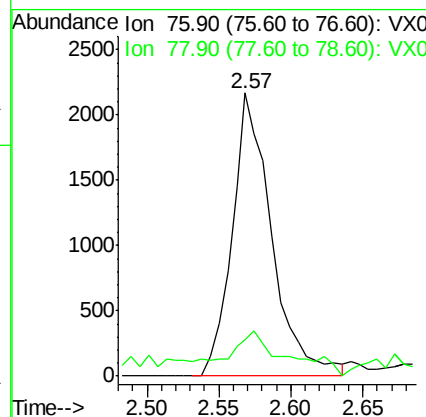
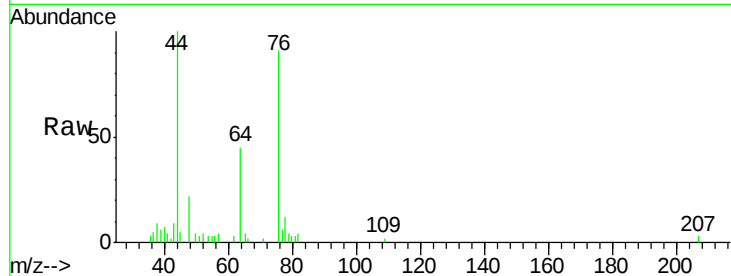




#17
Carbon Disulfide
Concen: 0.58 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003130.D
Acq: 02 Jul 2018 16:37

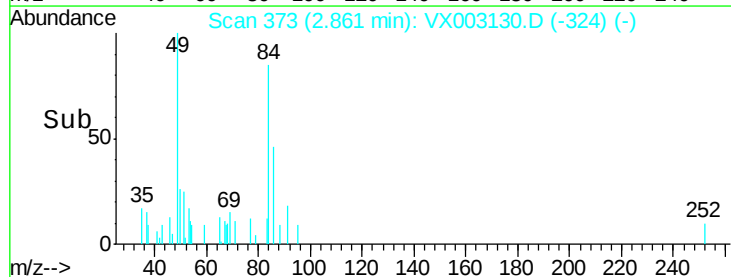
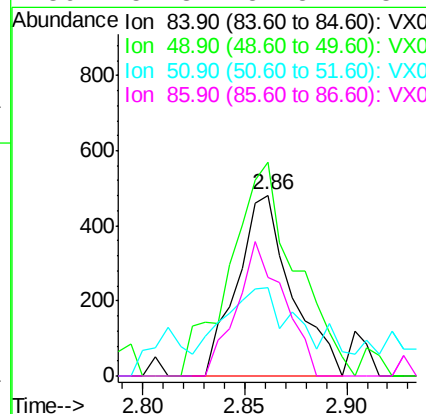
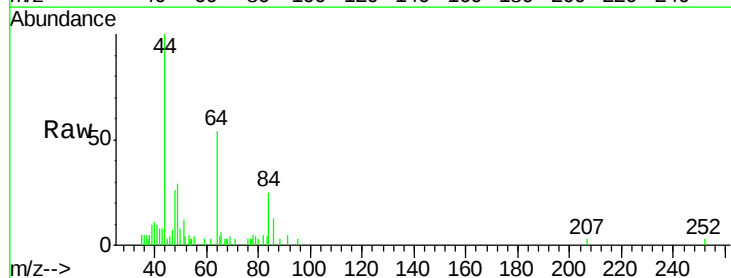
Instrument :
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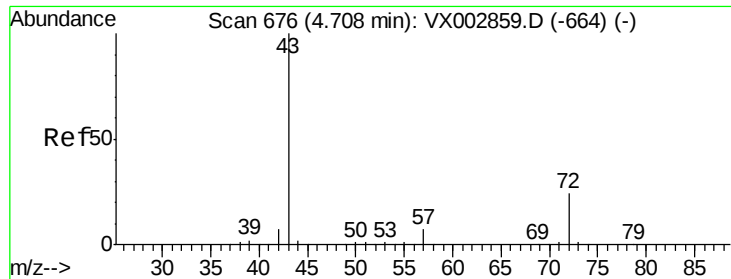
Tot Ion: 76 Resp: 4139
Ion Ratio Lower Upper
76 100
78 12.7 6.9 10.3#



#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX003130.D
Acq: 02 Jul 2018 16:37

Tgt Ion: 84 Resp: 895
Ion Ratio Lower Upper
84 100
49 107.7 107.8 161.6#
51 36.6 32.8 49.2
86 54.3 52.5 78.7





#25

2-Butanone

Concen: 2.88 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampled :

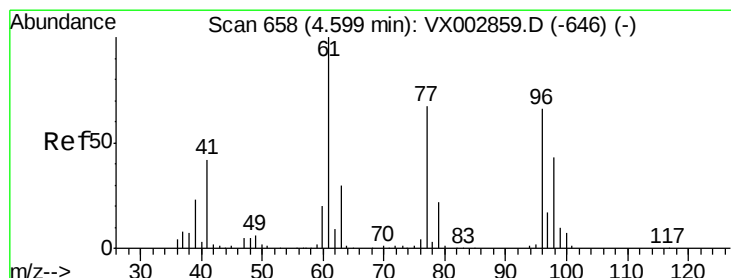
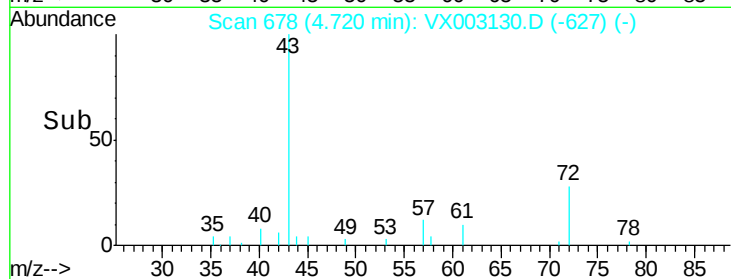
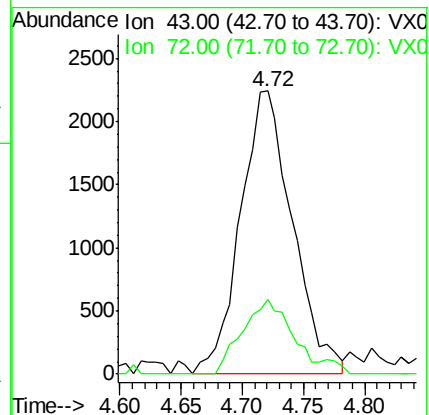
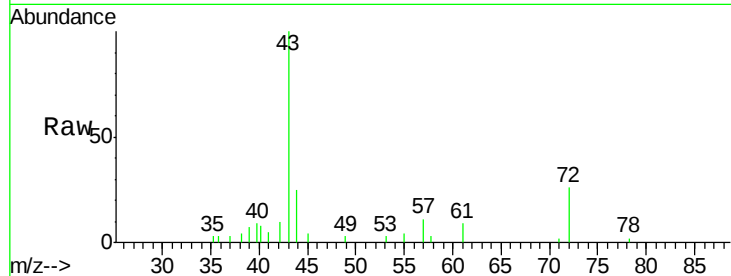
SP18-CHY07

Tot Ion: 43 Resp: 6647

Ion Ratio Lower Upper

43 100

72 26.2 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 2.42 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

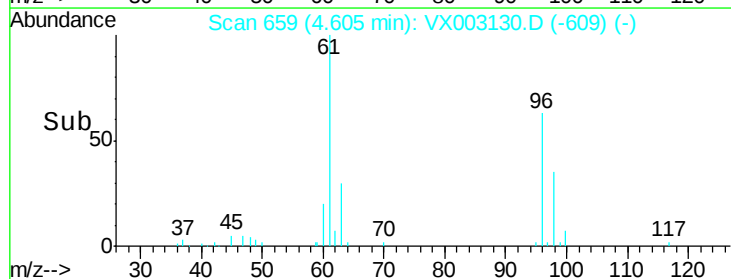
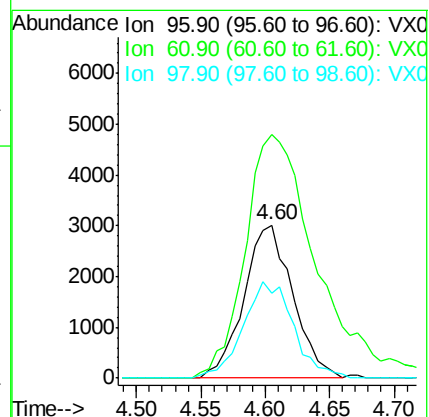
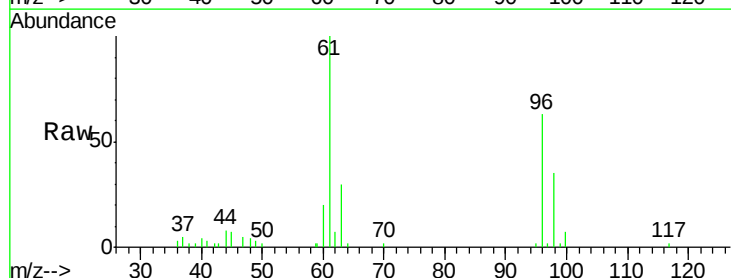
Tgt Ion: 96 Resp: 7912

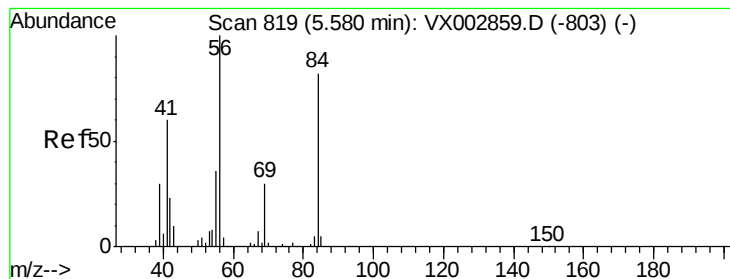
Ion Ratio Lower Upper

96 100

61 236.4 0.0 330.2

98 64.9 0.0 130.2





#31

Cyclohexane

Concen: 0.23 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

SP18-CHY07

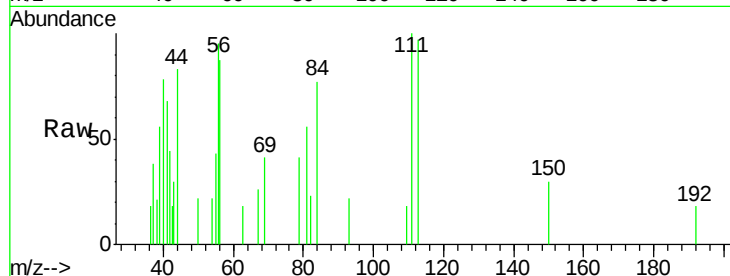
Tot Ion: 56 Resp: 1093

Ion Ratio Lower Upper

56 100

69 22.6 23.7 35.5#

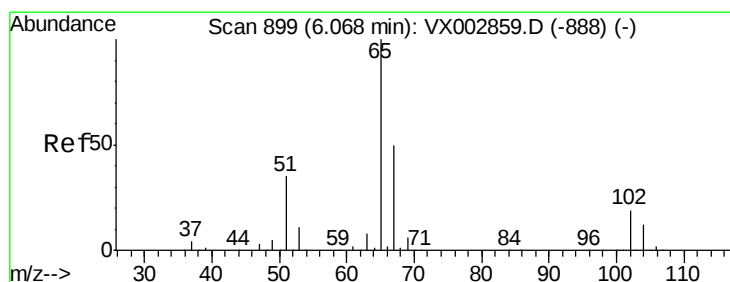
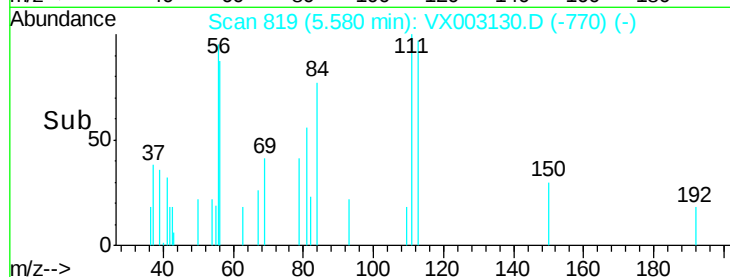
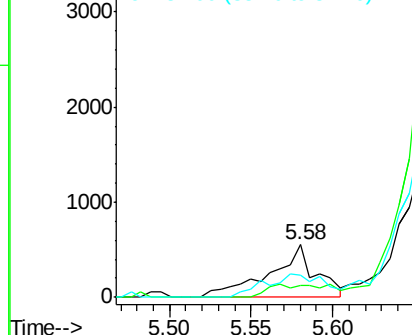
84 42.4 64.1 96.1#



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: 45.77 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003130.D

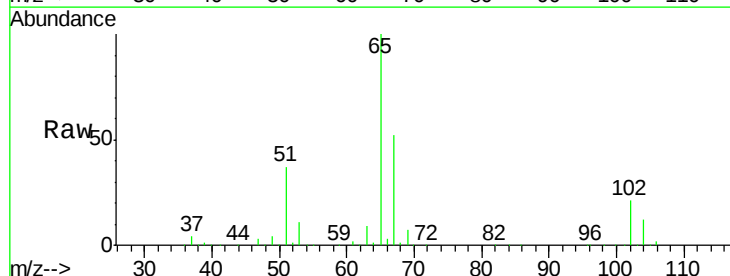
Acq: 02 Jul 2018 16:37

Tgt Ion: 65 Resp: 171629

Ion Ratio Lower Upper

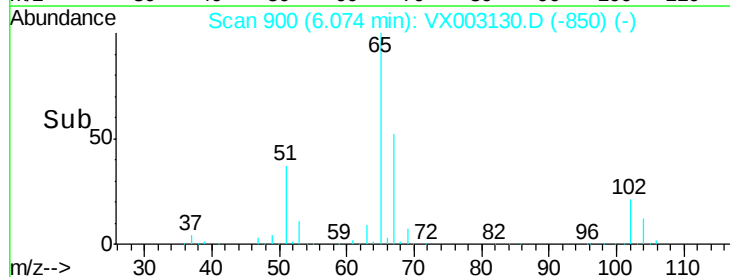
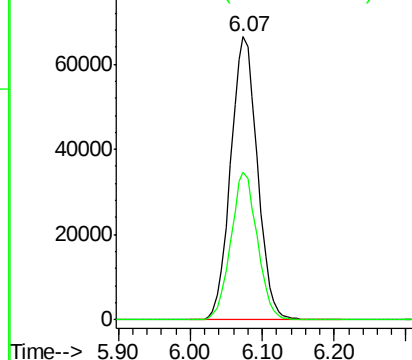
65 100

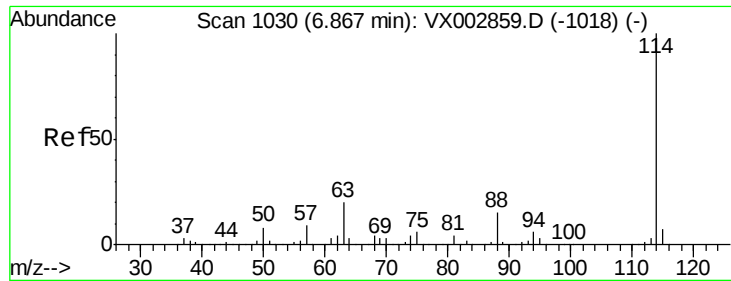
67 51.7 0.0 102.6



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: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

SP18-CHY07

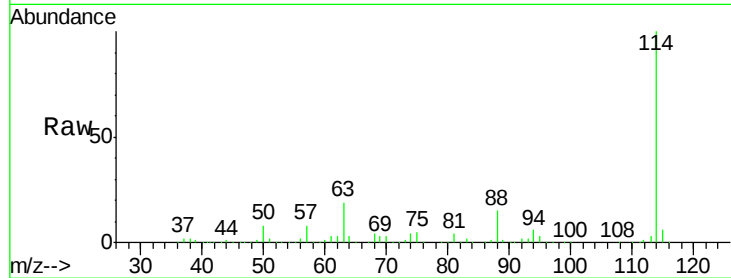
Tot Ion:114 Resp: 371677

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

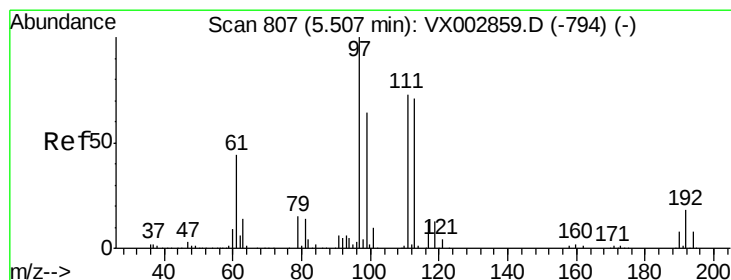
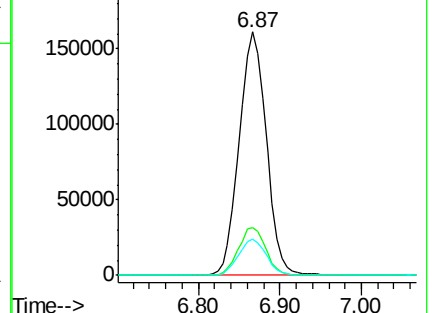
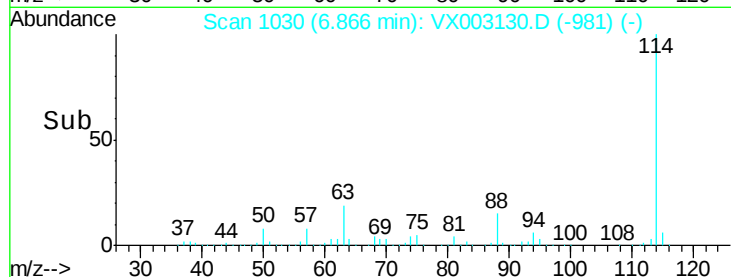
88 14.9 0.0 30.0



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: 48.86 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

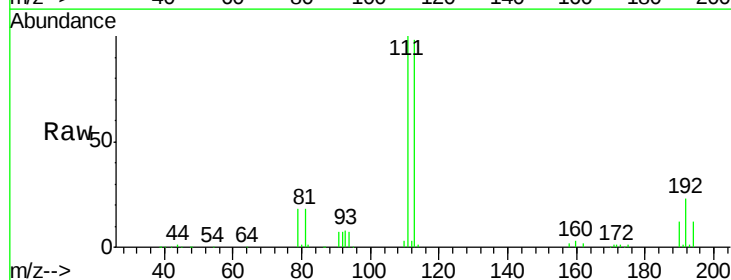
Tgt Ion:113 Resp: 143801

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

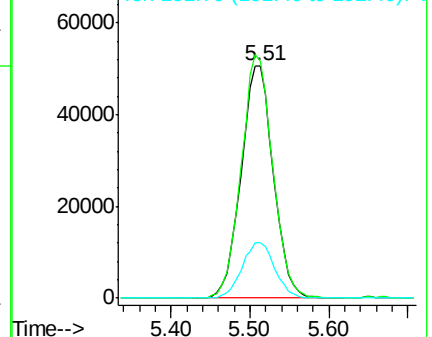
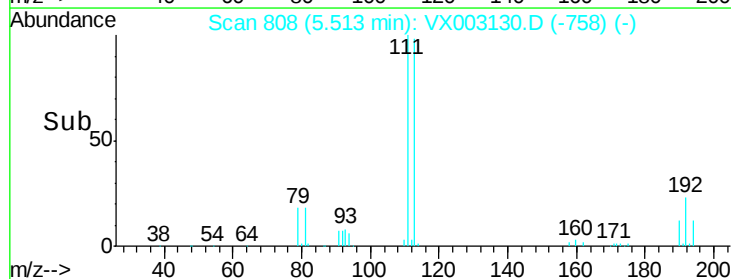
192 24.4 19.1 28.7

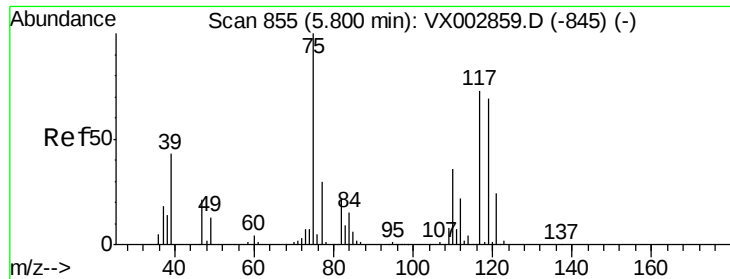


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.38 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

SP18-CHY07

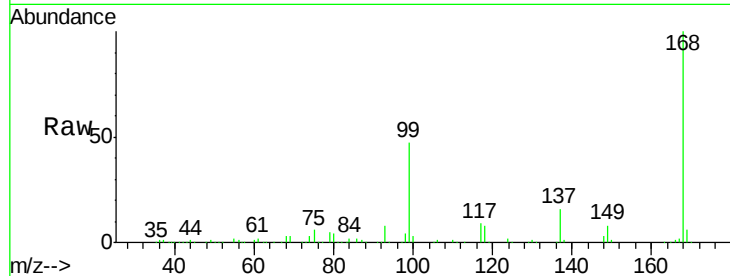
Tot Ion: 75 Resp: 17836

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.4#

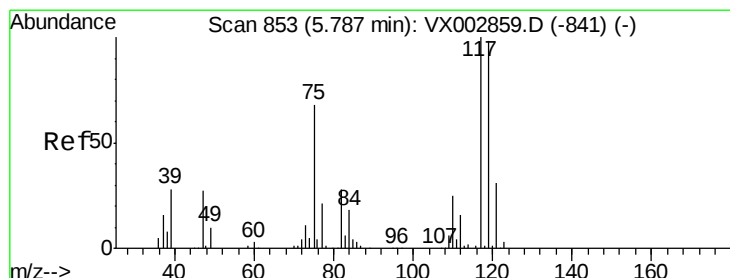
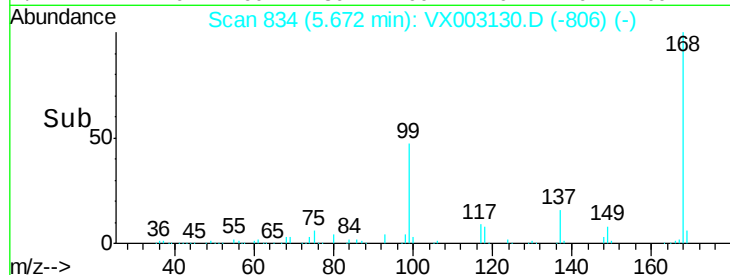
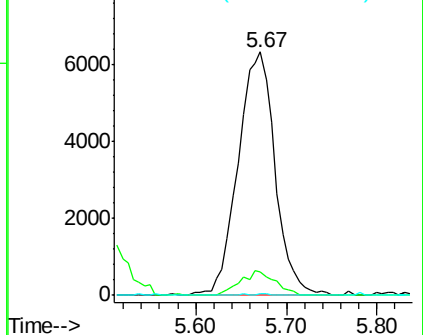
77 0.2 24.3 36.5#



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: 5.37 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

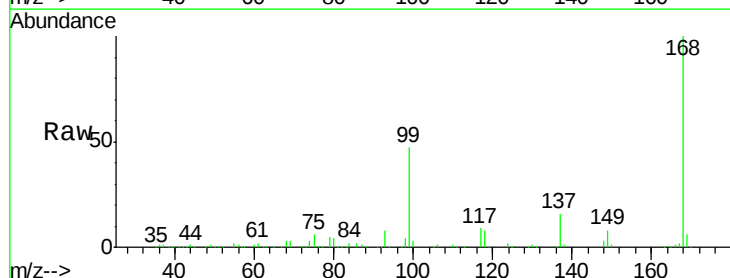
Tgt Ion: 117 Resp: 24009

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

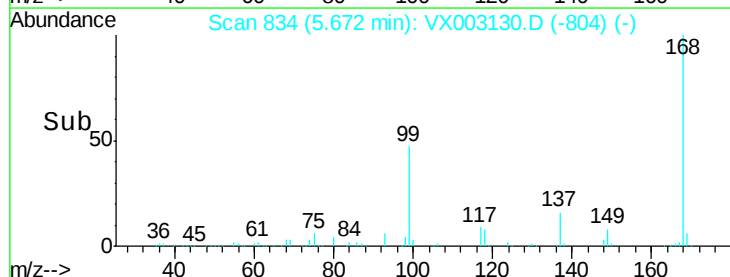
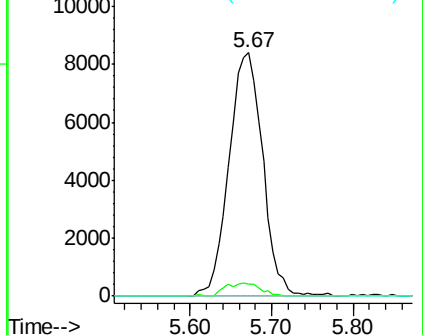
121 0.0 24.4 36.6#

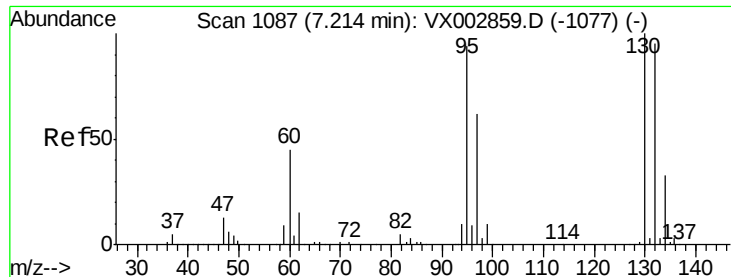


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.65 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

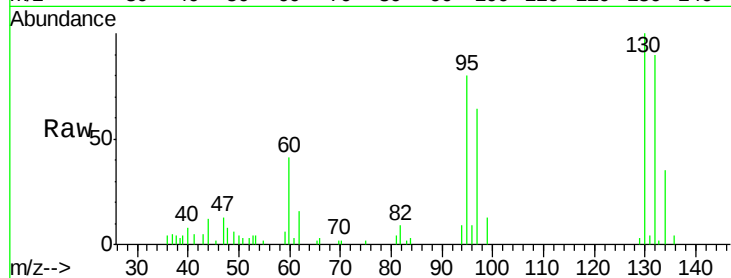
SP18-CHY07

Tot Ion:130 Resp: 5826

Ion Ratio Lower Upper

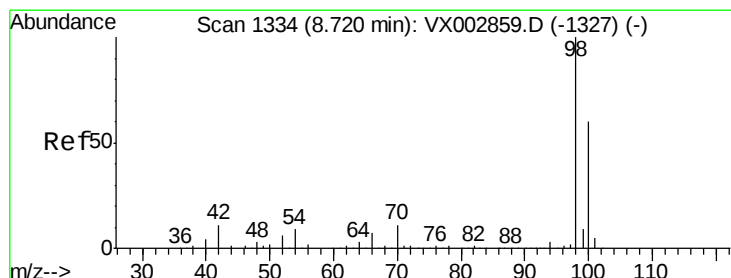
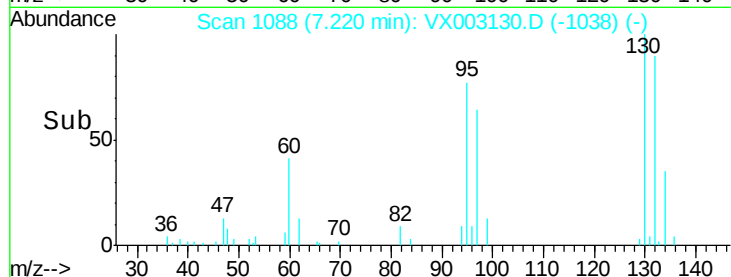
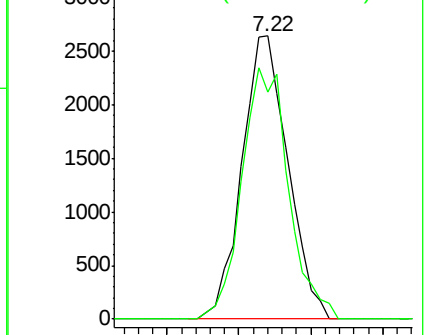
130 100

95 80.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003130.D

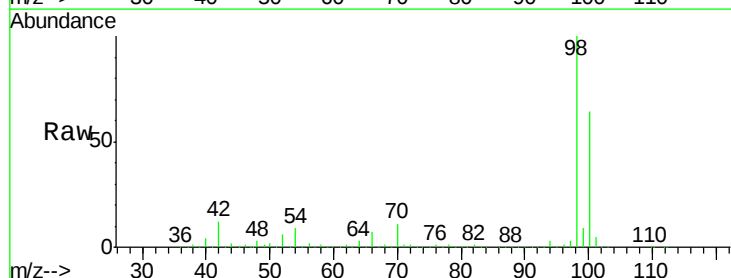
Acq: 02 Jul 2018 16:37

Tgt Ion: 98 Resp: 516405

Ion Ratio Lower Upper

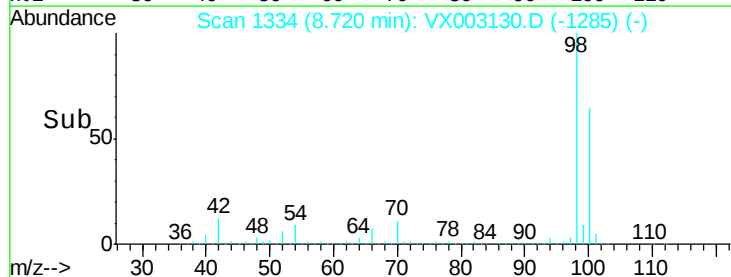
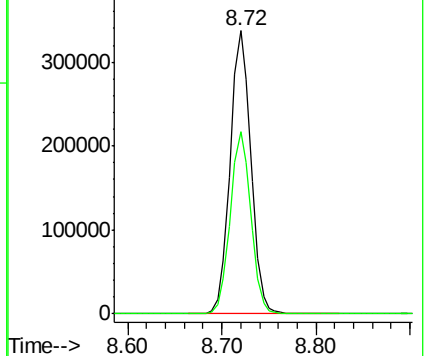
98 100

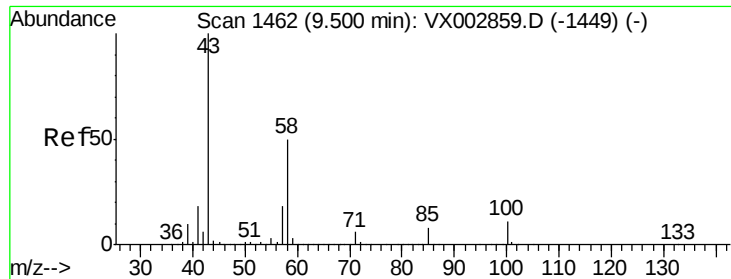
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

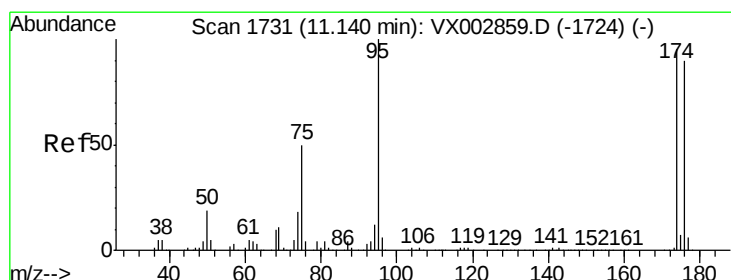
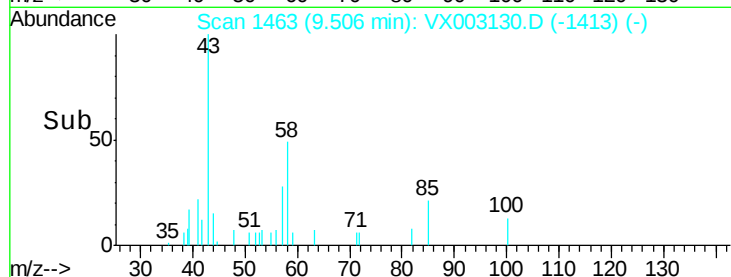
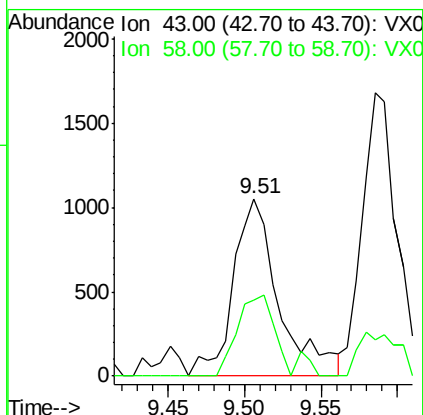
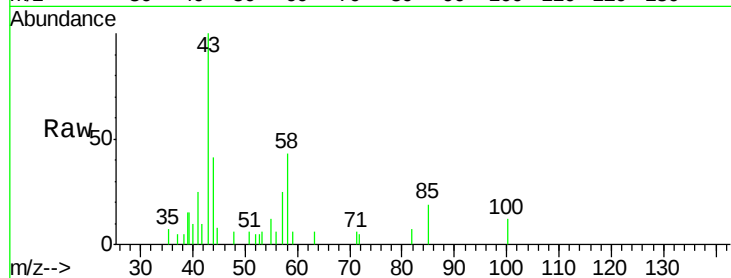




#59
2-Hexanone
Concen: 0.62 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003130.D
Acq: 02 Jul 2018 16:37

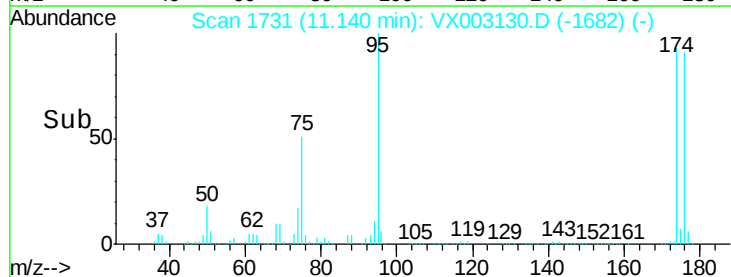
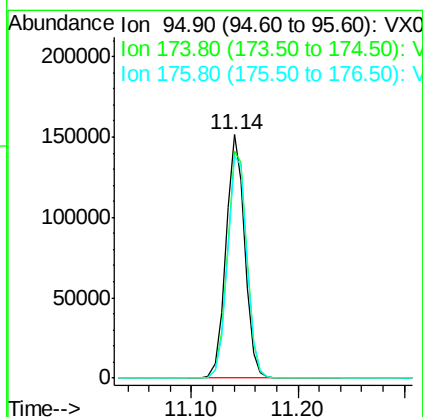
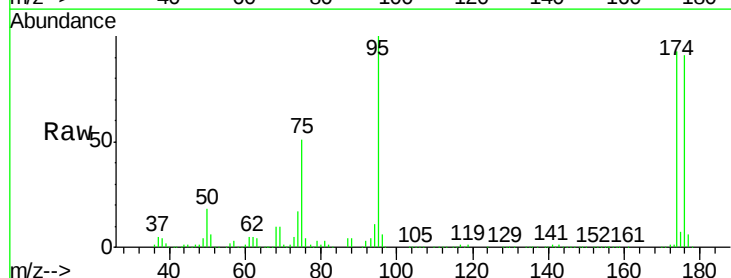
Instrument :
MSVOA_X
ClientSampleId :
SP18-CHY07

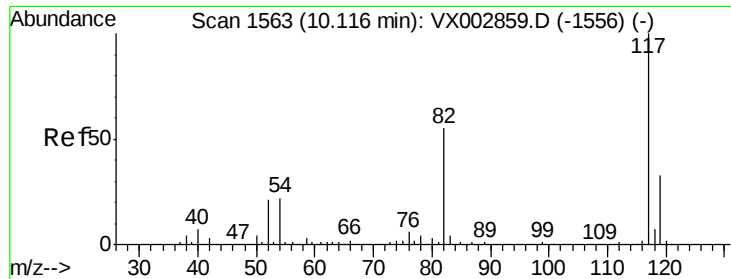
Tot Ion: 43 Resp: 2184
Ion Ratio Lower Upper
43 100
58 36.6 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 44.91 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003130.D
Acq: 02 Jul 2018 16:37

Tgt Ion: 95 Resp: 186148
Ion Ratio Lower Upper
95 100
174 97.5 0.0 187.4
176 94.9 0.0 181.0

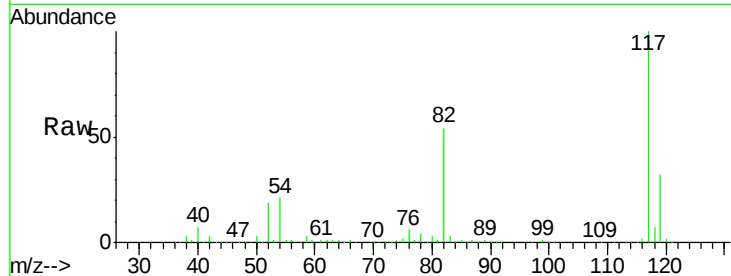




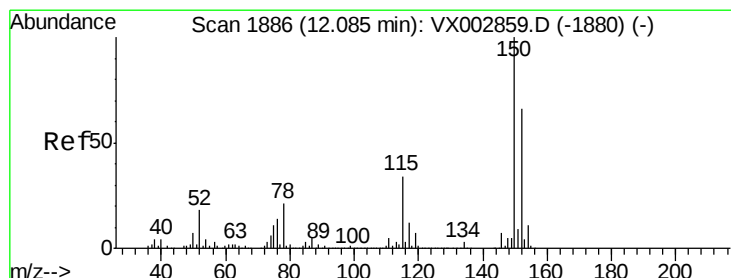
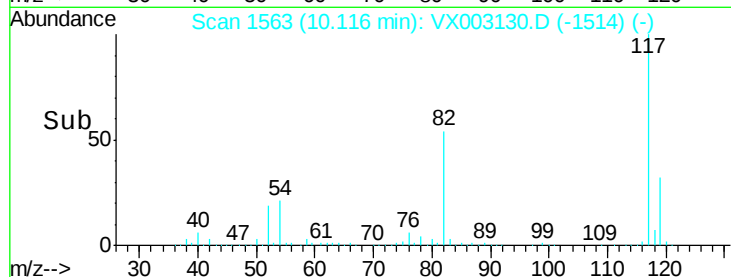
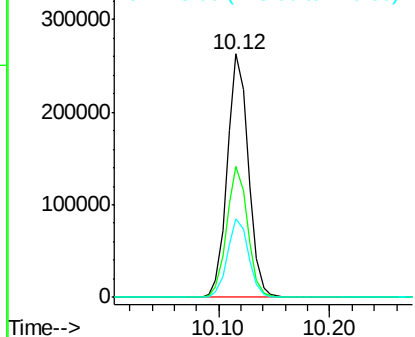
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX003130.D
 Acq: 02 Jul 2018 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 SP18-CHY07

Tot Ion:117 Resp: 344184
 Ion Ratio Lower Upper
 117 100
 82 53.6 45.0 67.4
 119 32.1 25.8 38.6

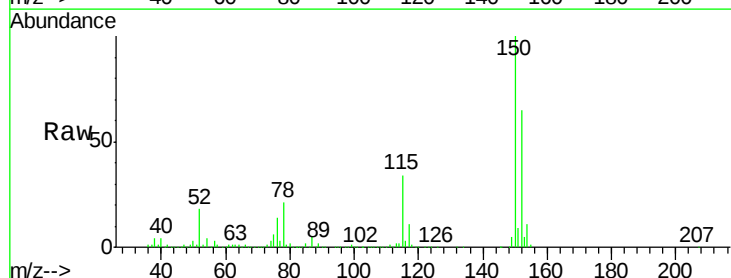


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

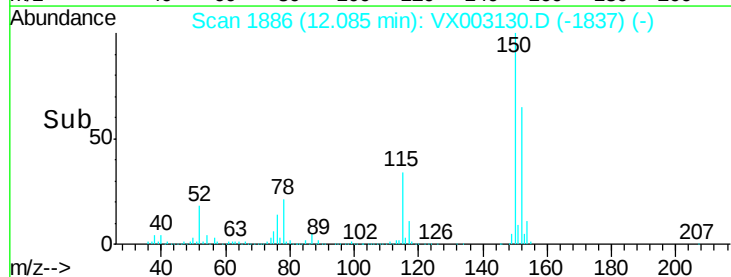
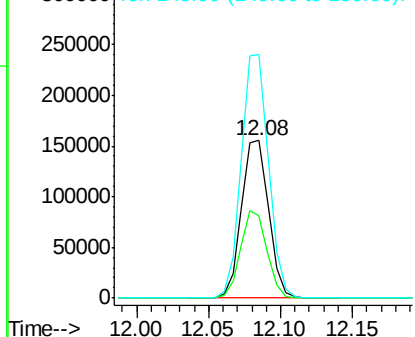


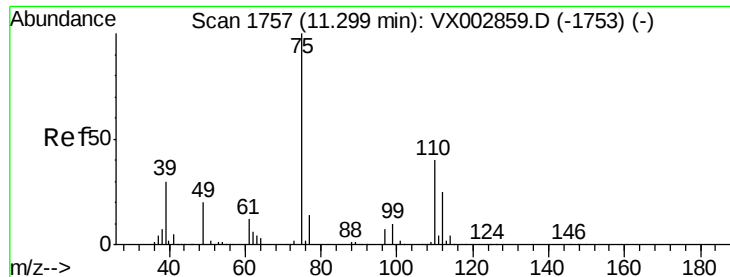
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX003130.D
 Acq: 02 Jul 2018 16:37

Tgt Ion:152 Resp: 202465
 Ion Ratio Lower Upper
 152 100
 115 53.8 40.1 120.2
 150 155.5 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: 25.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

Instrument :

MSVOA_X

ClientSampleId :

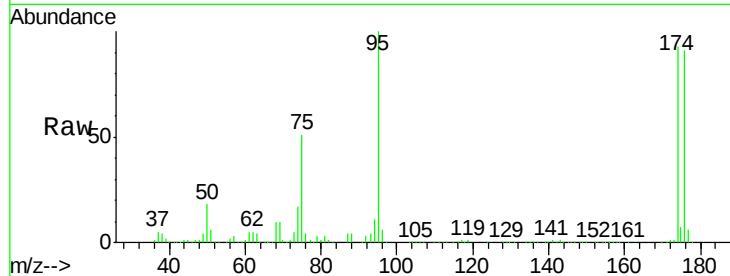
SP18-CHY07

Tot Ion: 75 Resp: 94955

Ion Ratio Lower Upper

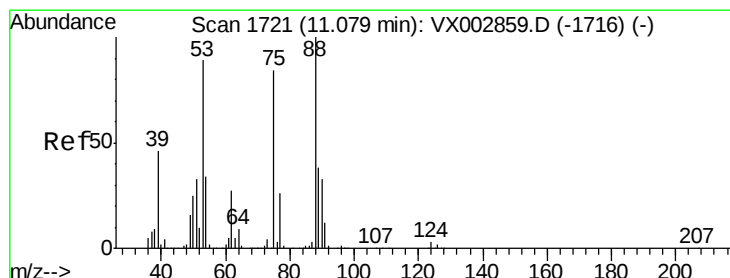
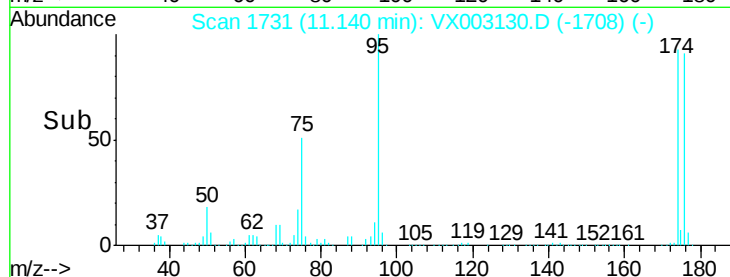
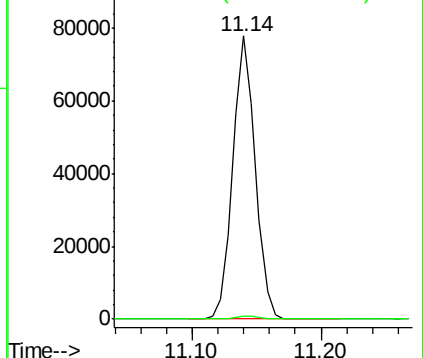
75 100

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: 73.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003130.D

Acq: 02 Jul 2018 16:37

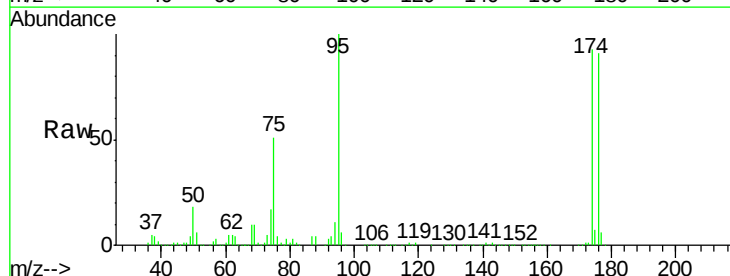
Tgt Ion: 75 Resp: 94955

Ion Ratio Lower Upper

75 100

53 0.4 86.8 130.2#

89 0.0 38.2 57.2#



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

