

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071318\
 Data File : VX003371.D
 Acq On : 13 Jul 2018 19:48
 Operator : JC/MD
 Sample : VX0713WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBL01

Quant Time: Jul 14 02:46:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 17:01:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	277101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	413391	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199516	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	177725	58.83	ug/l	0.00
Spiked Amount			Recovery	=	117.66%	
35) Dibromofluoromethane	5.51	113	153770	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	8.72	98	576126	57.99	ug/l	0.00
Spiked Amount			Recovery	=	115.98%	
62) 4-Bromofluorobenzene	11.14	95	189522	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

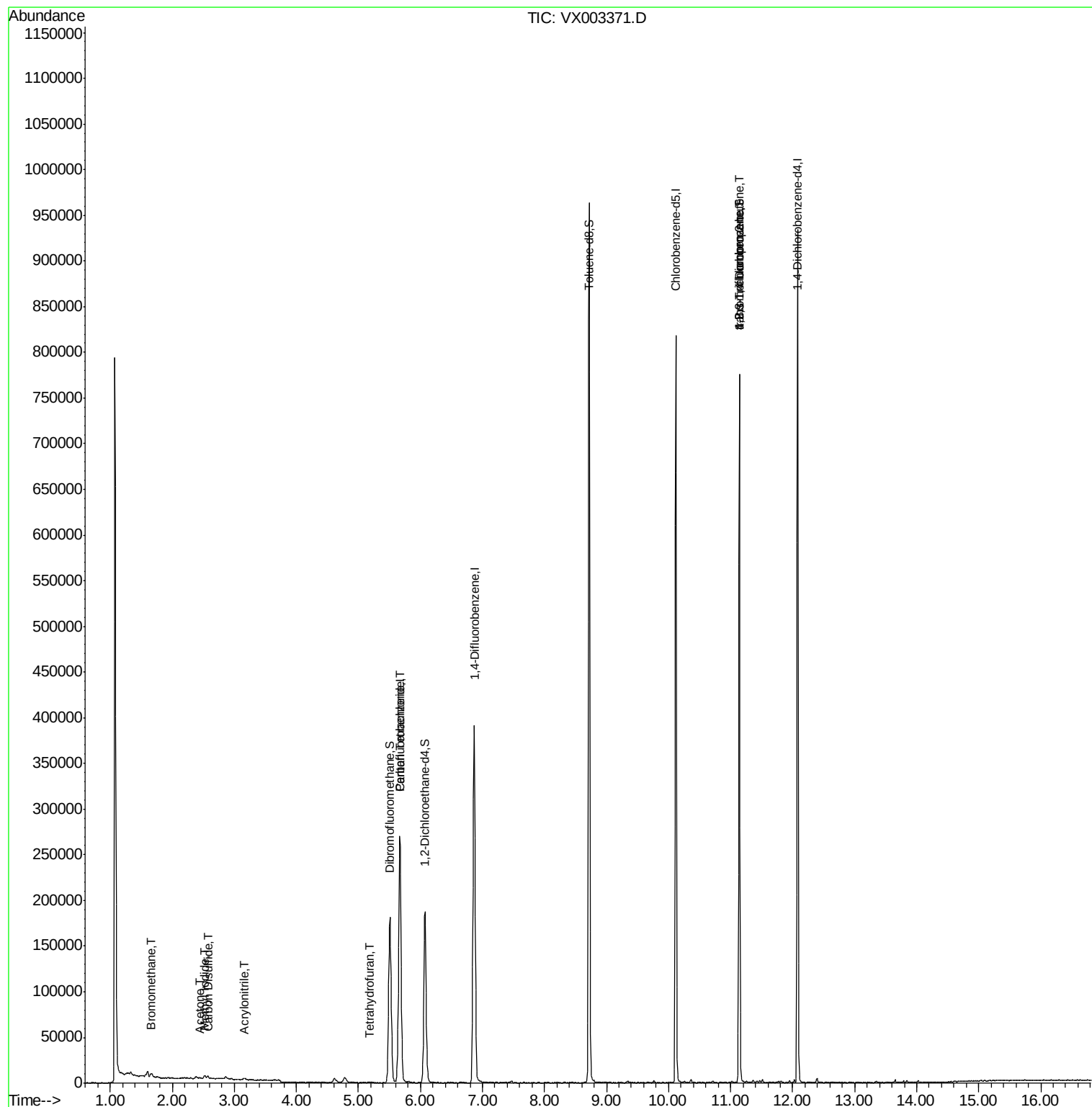
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	301	Below Cal		73
3) Chloromethane	1.32	50	1456	Below Cal		97
5) Bromomethane	1.65	94	3666	1.81	ug/l	99
6) Chloroethane	1.74	64	230	Below Cal	#	58
10) Methyl Iodide	2.52	142	4478	1.33	ug/l	96
13) Acrolein	2.29	56	367	Below Cal	#	56
15) Acrylonitrile	3.15	53	576	0.29	ug/l	70
16) Acetone	2.45	43	782	0.50	ug/l	99
17) Carbon Disulfide	2.57	76	3022	0.40	ug/l	85
20) Methylene Chloride	2.86	84	1046	Below Cal	#	80
29) Tetrahydrofuran	5.17	42	614	0.40	ug/l	72
38) Carbon Tetrachloride	5.67	117	24033	5.37	ug/l	15
76) 1,2,3-Trichloropropane	11.14	75	93520	23.73	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	93520	79.10	ug/l	7

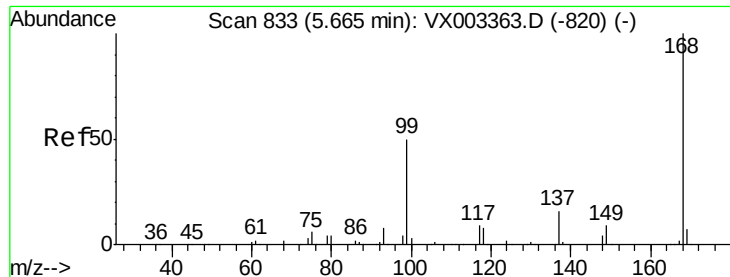
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

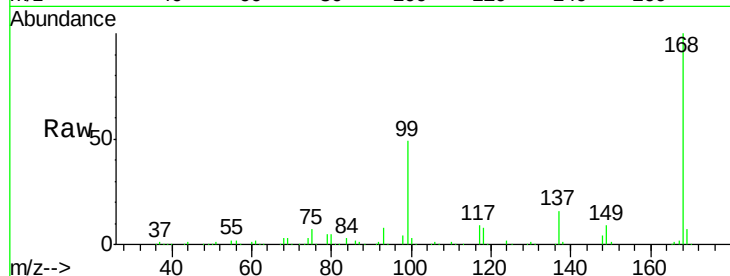
VX0713WBL01

Tot Ion:168 Resp: 277101

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

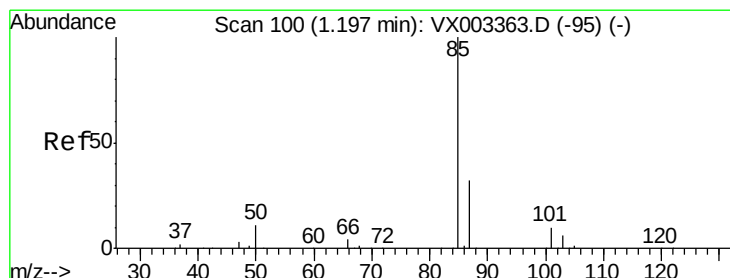
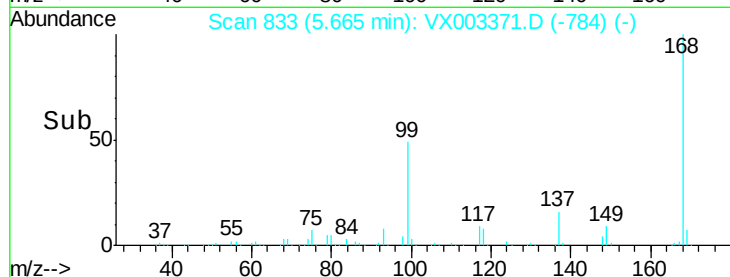
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003371.D

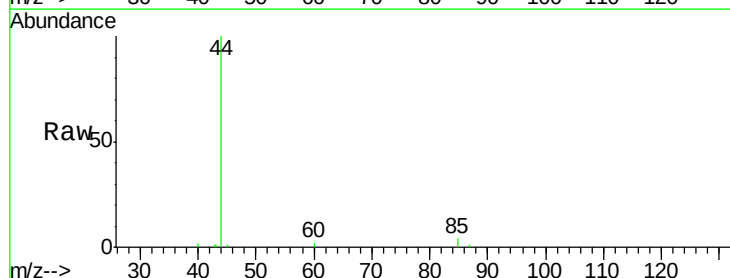
Acq: 13 Jul 2018 19:48

Tgt Ion: 85 Resp: 301

Ion Ratio Lower Upper

85 100

87 16.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

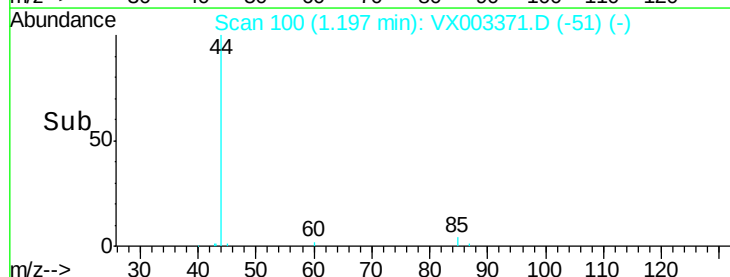
300

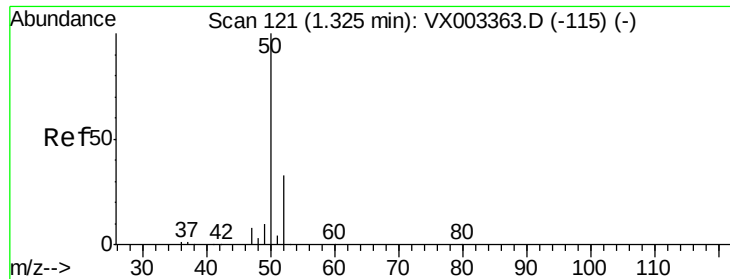
200

100

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

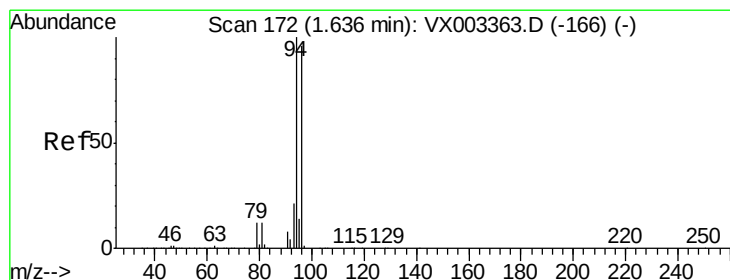
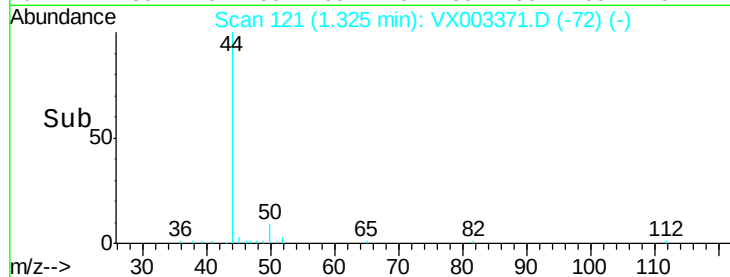
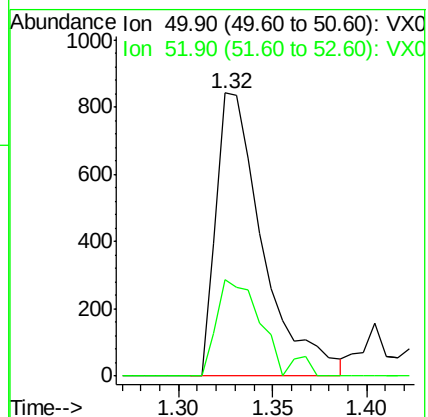
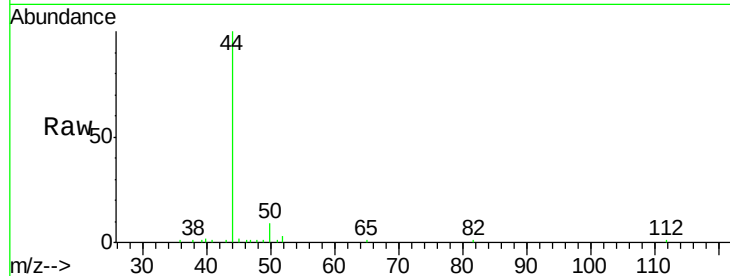
VX0713WBL01

Tot Ion: 50 Resp: 1456

Ion Ratio Lower Upper

50 100

52 34.0 25.7 38.5



#5

Bromomethane

Concen: 1.81 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003371.D

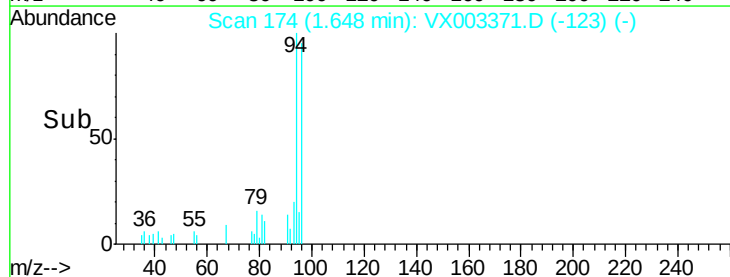
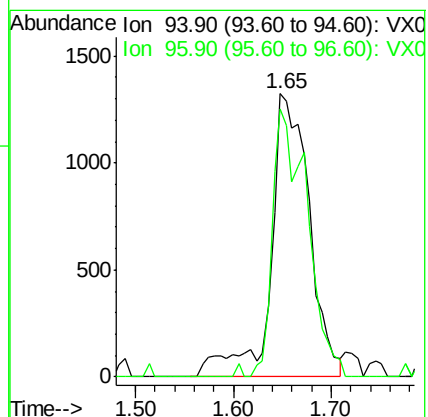
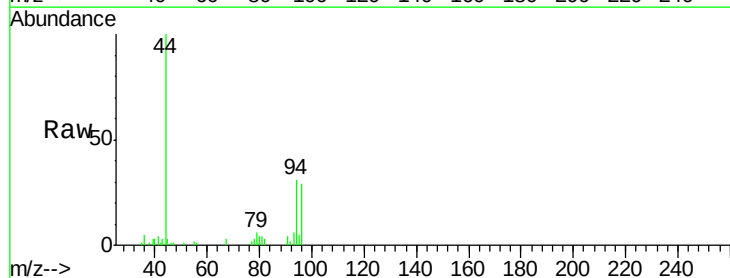
Acq: 13 Jul 2018 19:48

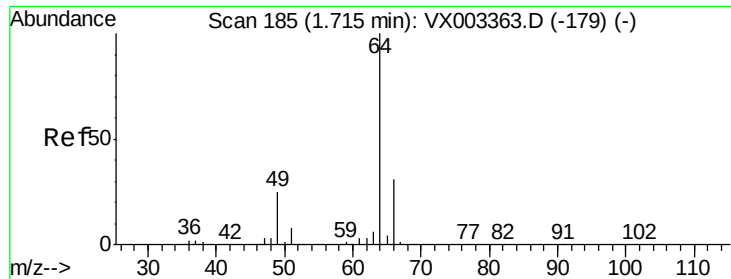
Tgt Ion: 94 Resp: 3666

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.03 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

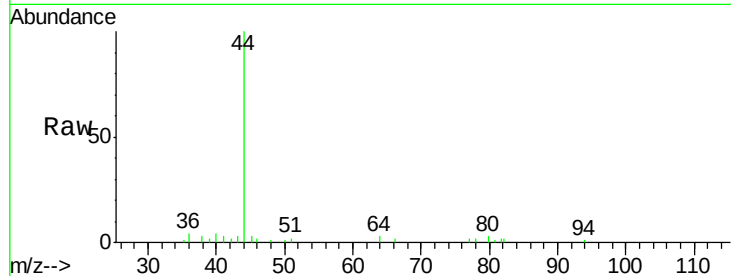
VX0713WBL01

Tot Ion: 64 Resp: 230

Ion Ratio Lower Upper

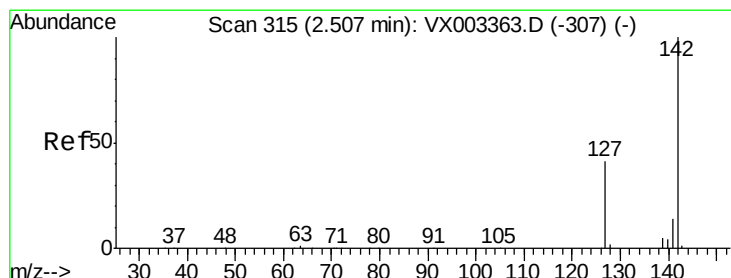
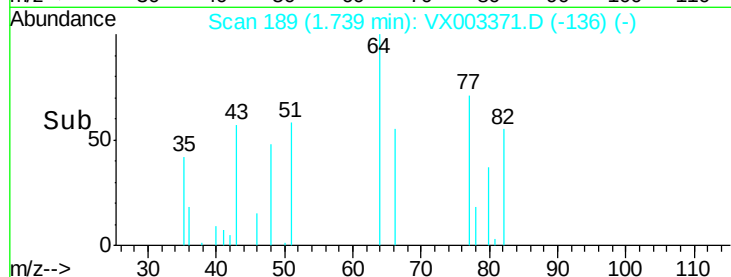
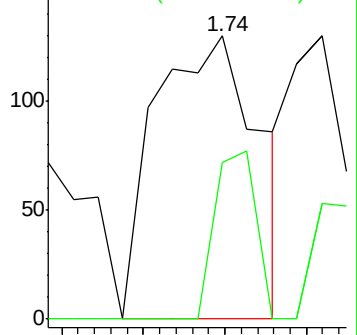
64 100

66 55.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 1.33 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

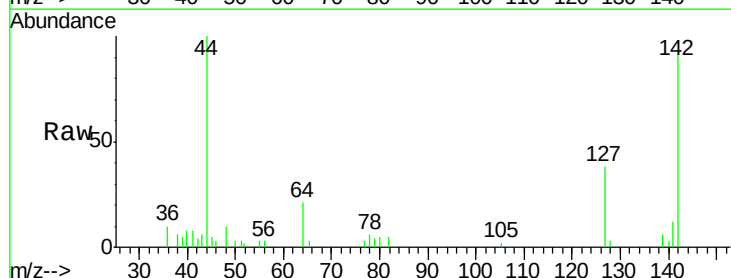
Tgt Ion:142 Resp: 4478

Ion Ratio Lower Upper

142 100

127 42.3 36.6 55.0

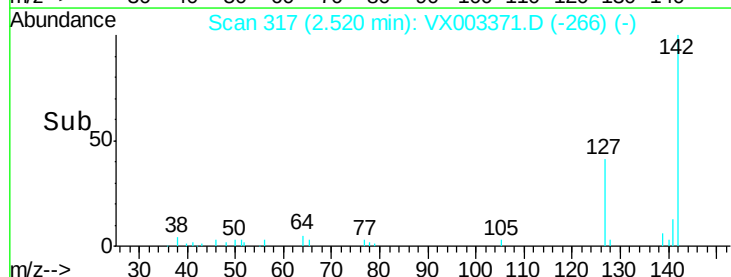
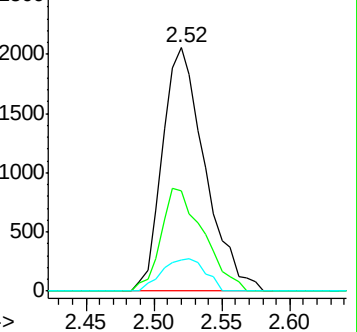
141 13.4 11.3 16.9

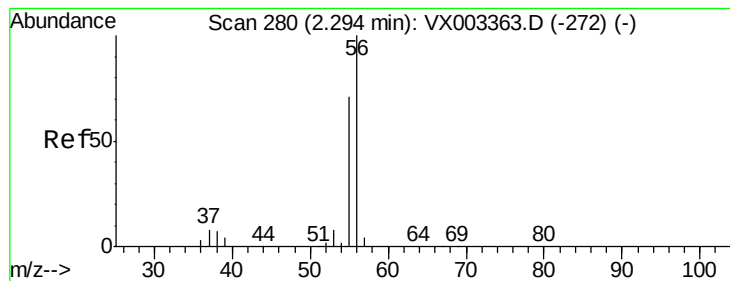


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

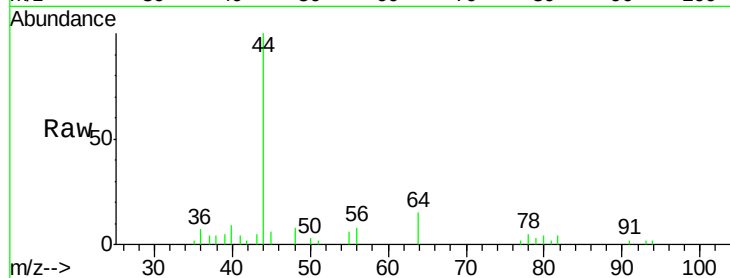
VX0713WBL01

Tot Ion: 56 Resp: 367

Ion Ratio Lower Upper

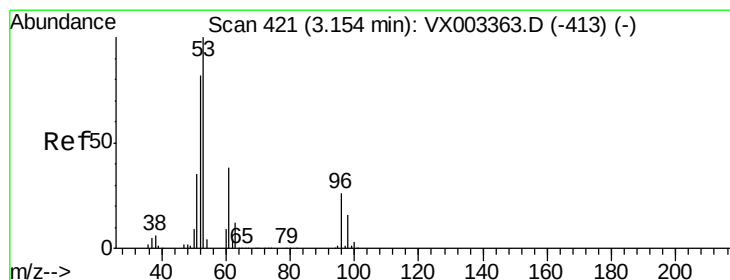
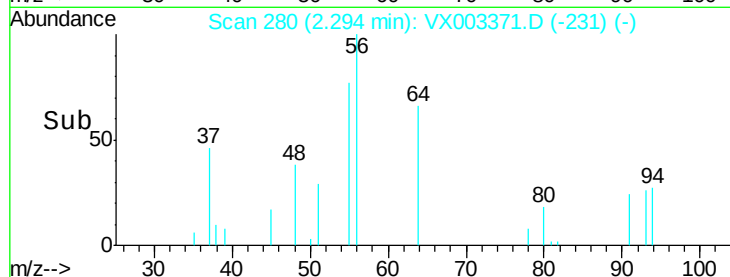
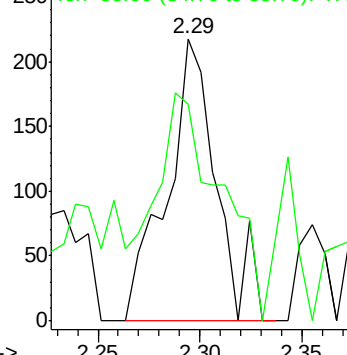
56 100

55 107.9 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.29 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

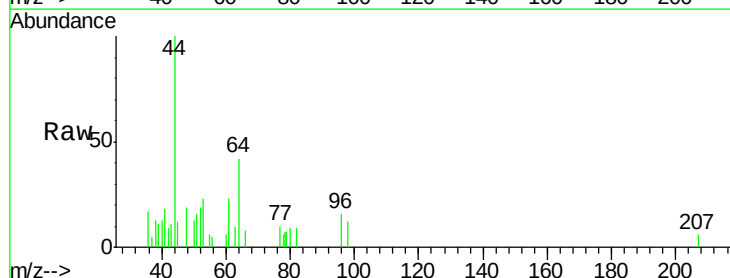
Tgt Ion: 53 Resp: 576

Ion Ratio Lower Upper

53 100

52 87.0 66.7 100.1

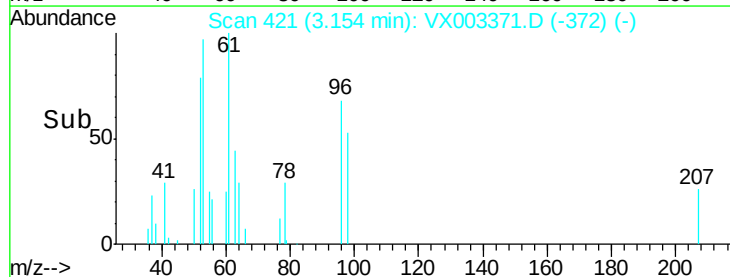
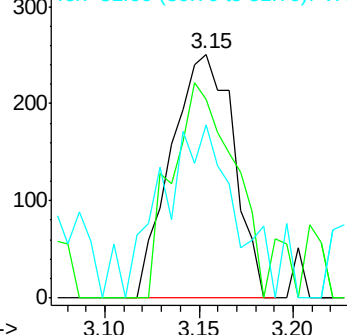
51 89.8 29.9 44.9#

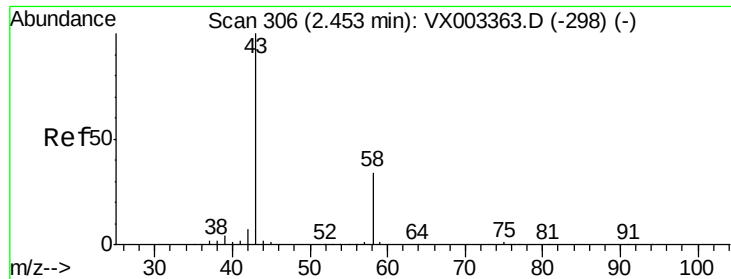


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.50 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

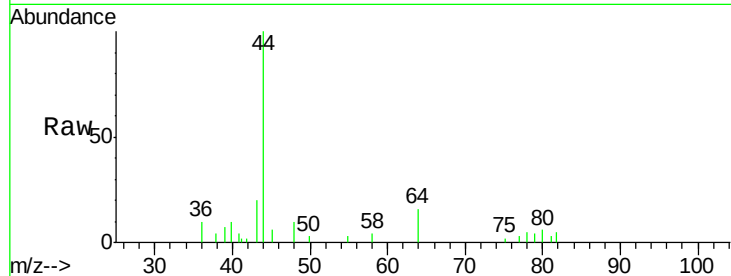
VX0713WBL01

Tot Ion: 43 Resp: 782

Ion Ratio Lower Upper

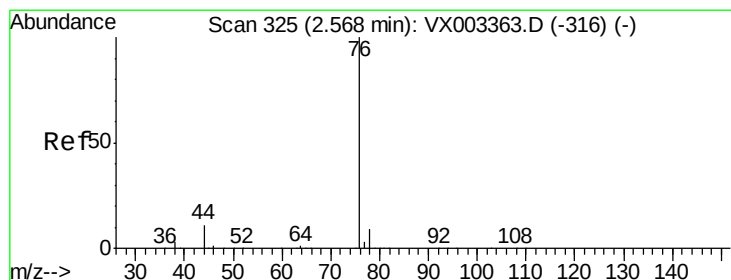
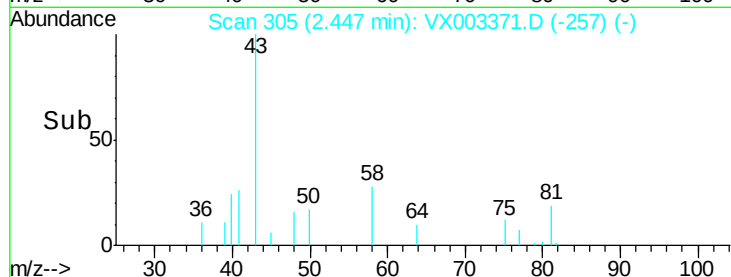
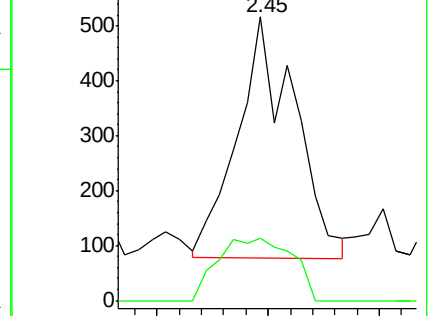
43 100

58 26.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003371.D

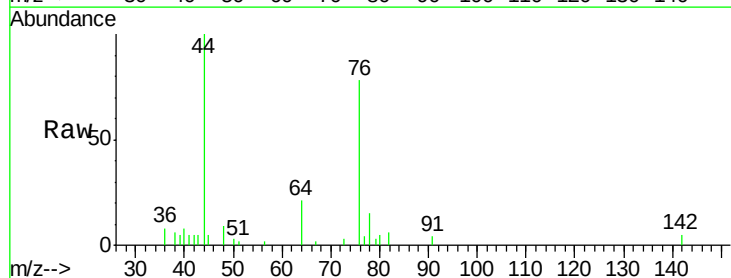
Acq: 13 Jul 2018 19:48

Tgt Ion: 76 Resp: 3022

Ion Ratio Lower Upper

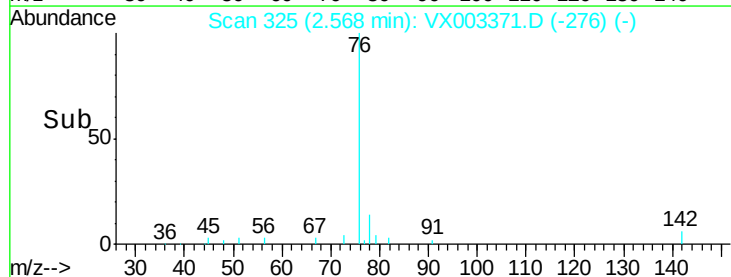
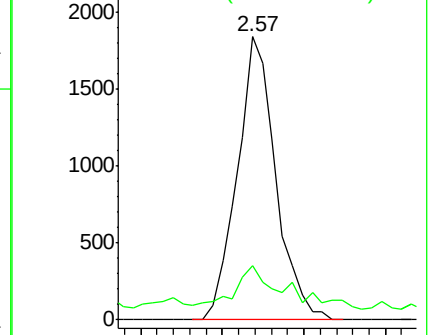
76 100

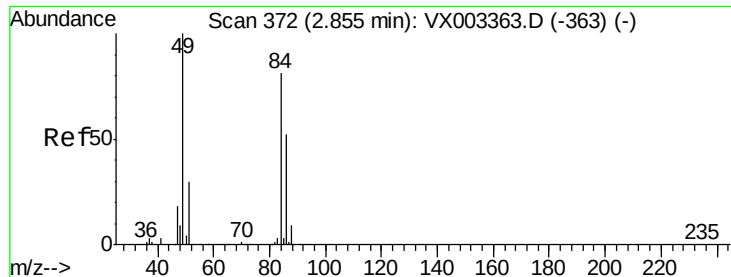
78 14.1 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

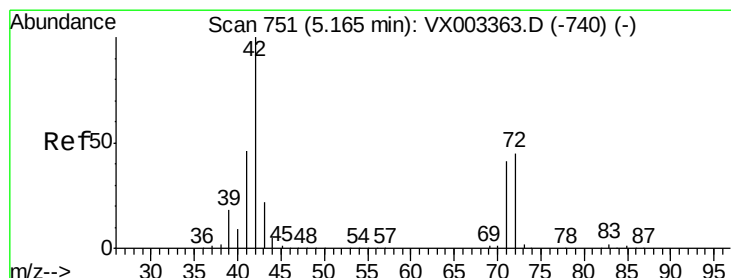
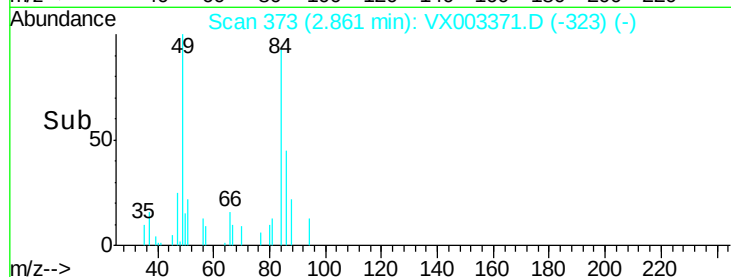
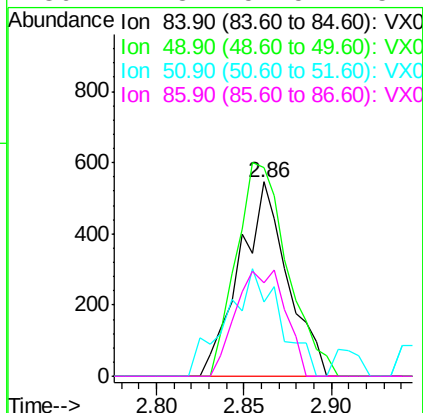
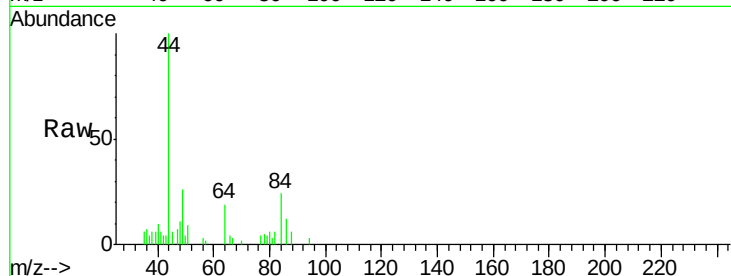




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

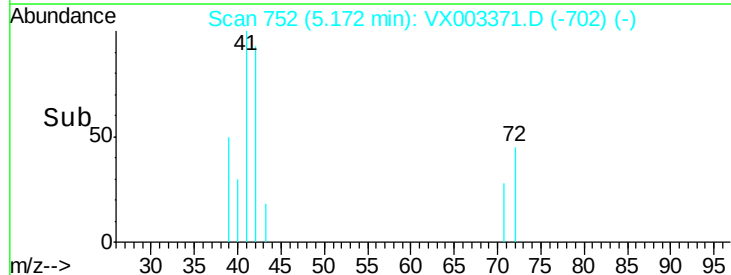
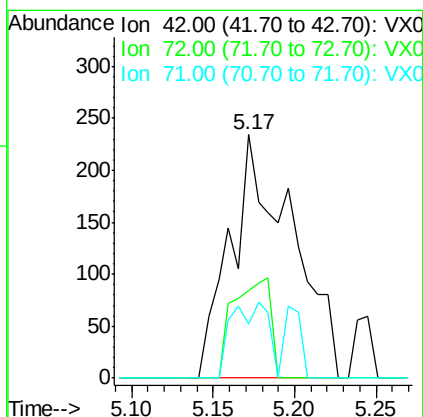
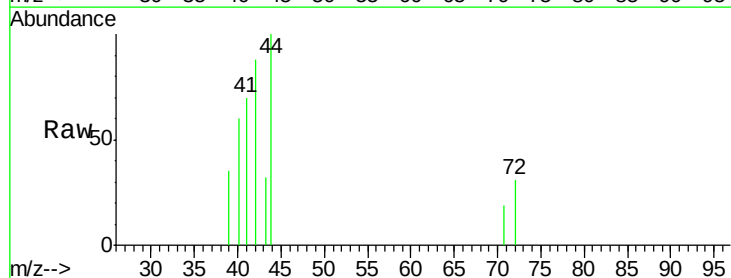
Instrument :
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VX0713WBL01

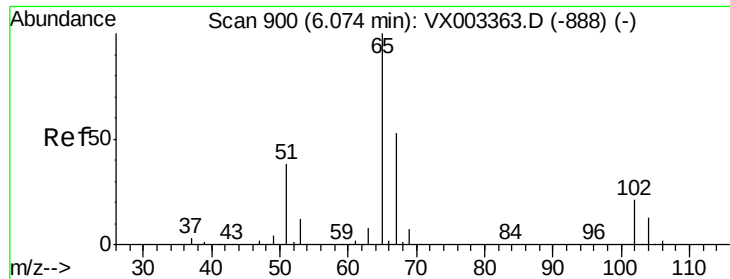
Tot Ion: 84 Resp: 1046
Ion Ratio Lower Upper
84 100
49 107.3 107.8 161.6#
51 38.3 32.8 49.2
86 47.8 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

Tgt Ion: 42 Resp: 614
Ion Ratio Lower Upper
42 100
72 25.1 32.0 48.0#
71 18.7 30.1 45.1#

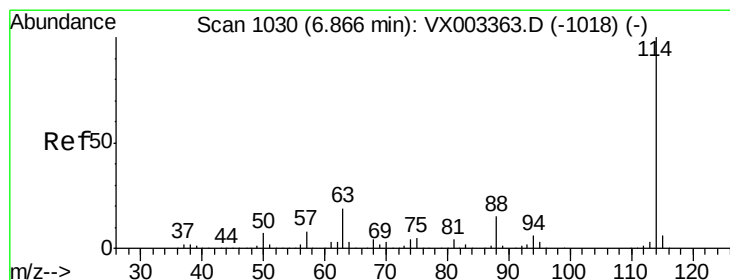
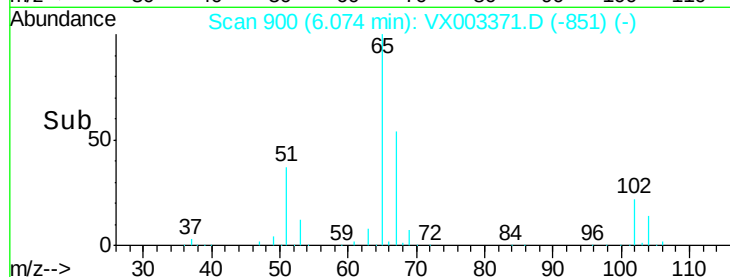
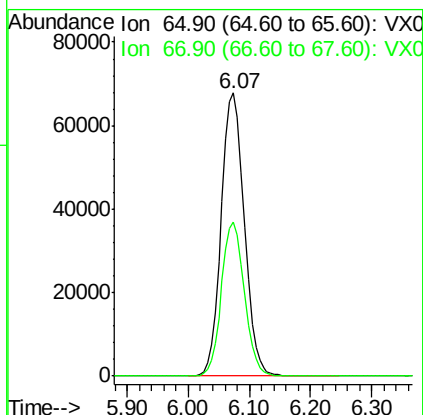
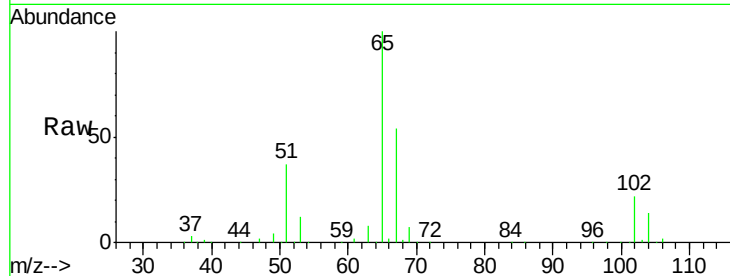




#33
 1,2-Dichloroethane-d4
 Concen: 58.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003371.D
 Acq: 13 Jul 2018 19:48

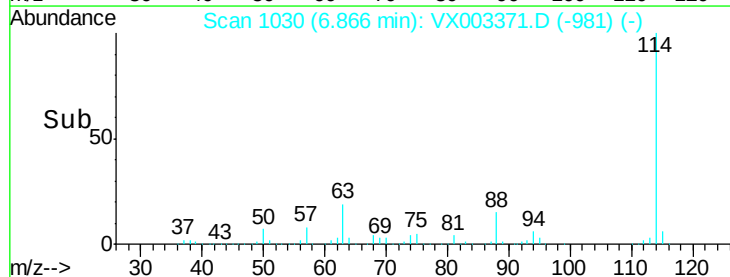
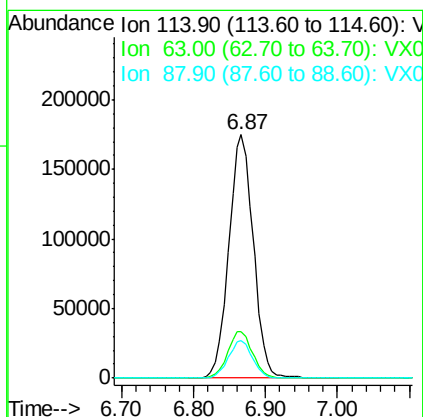
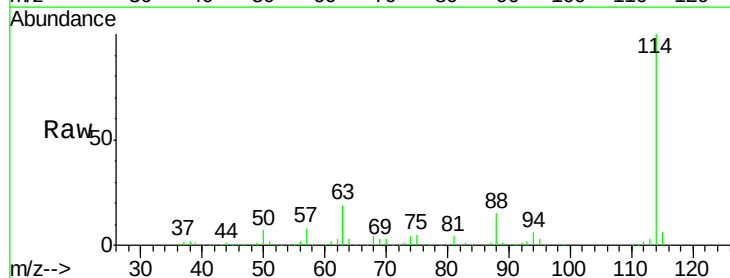
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBL01

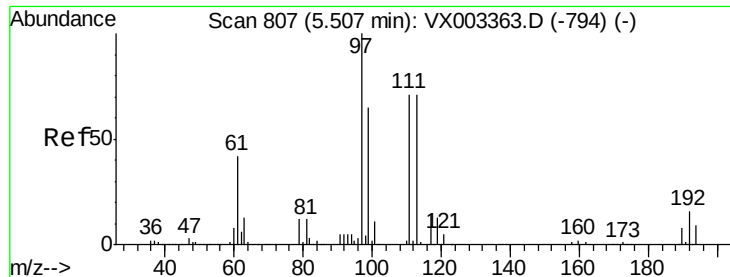
Tot Ion: 65 Resp: 177725
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003371.D
 Acq: 13 Jul 2018 19:48

Tgt Ion: 114 Resp: 413391
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.54 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

VX0713WBL01

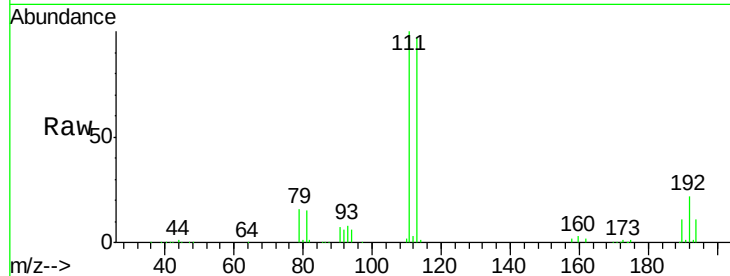
Tot Ion:113 Resp: 153770

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

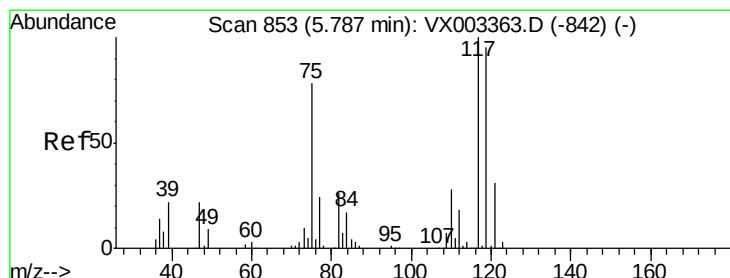
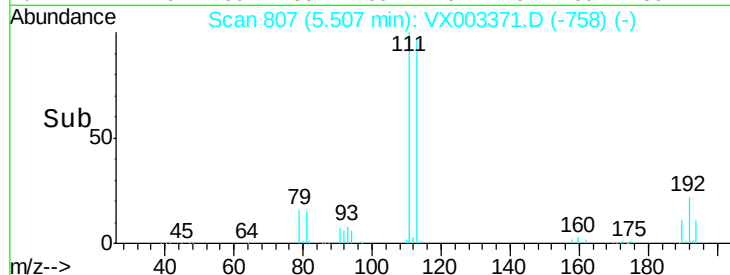
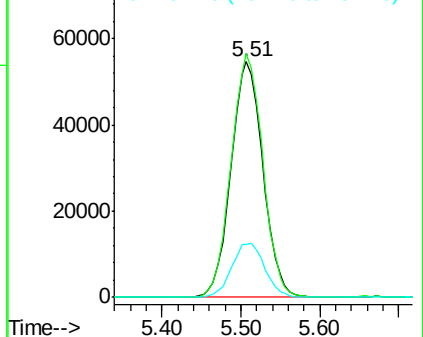
192 23.6 19.1 28.7



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



#38

Carbon Tetrachloride

Concen: 5.37 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003371.D

Acq: 13 Jul 2018 19:48

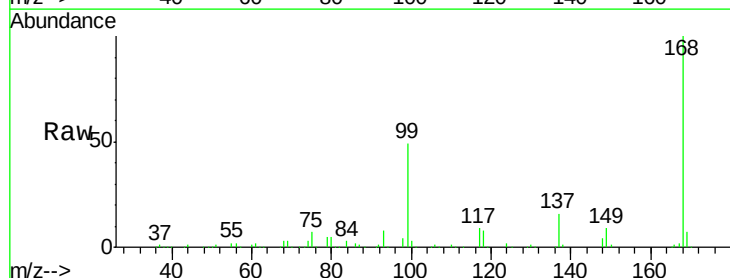
Tgt Ion:117 Resp: 24033

Ion Ratio Lower Upper

117 100

119 4.9 77.4 116.0#

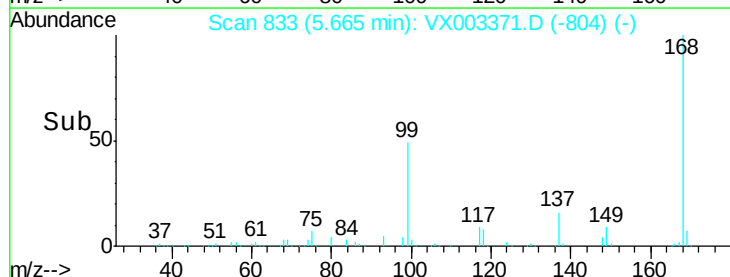
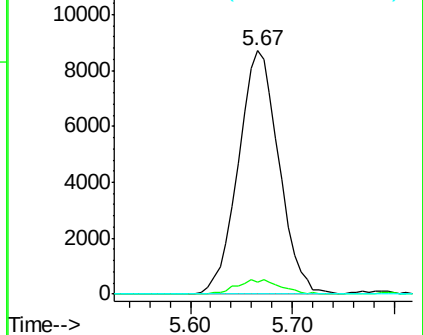
121 0.0 24.4 36.6#

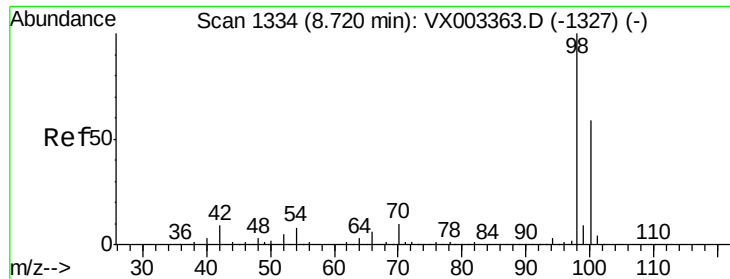


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

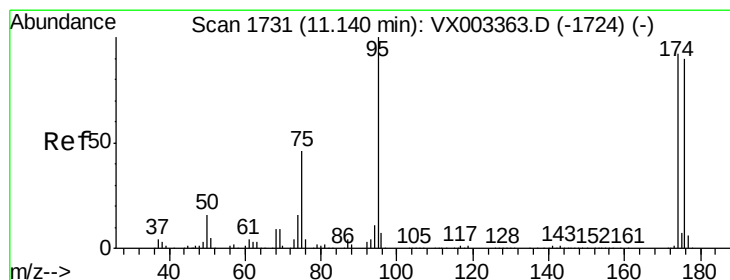
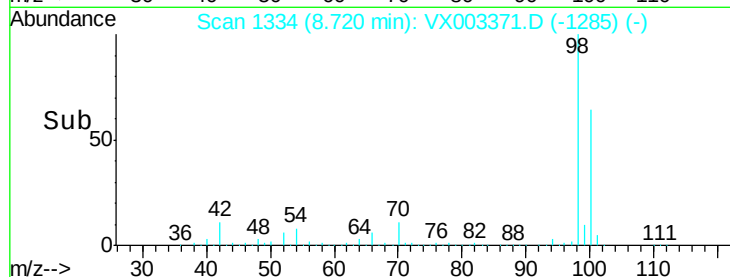
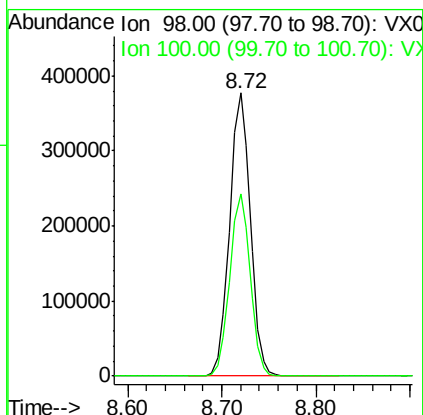
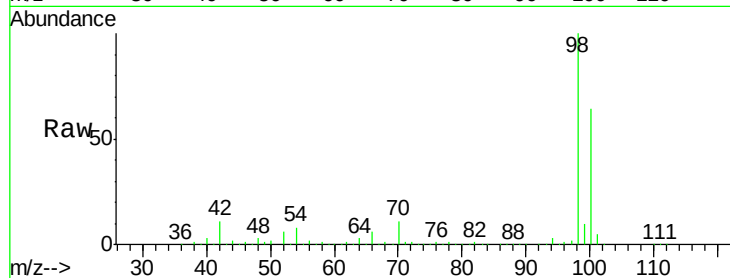




#50
Toluene-d8
Concen: 57.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

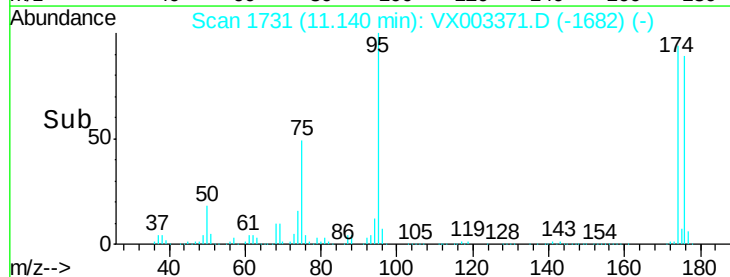
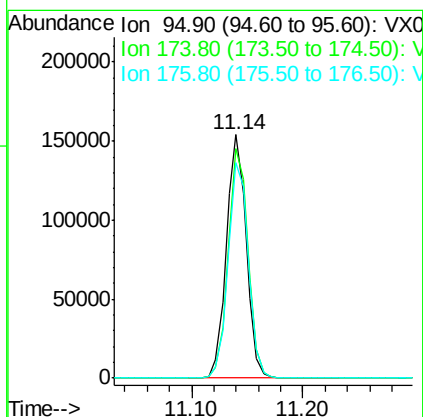
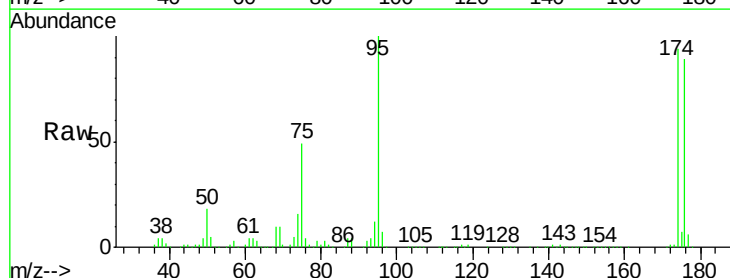
Instrument :
MSVOA_X
ClientSampleId :
VX0713WBL01

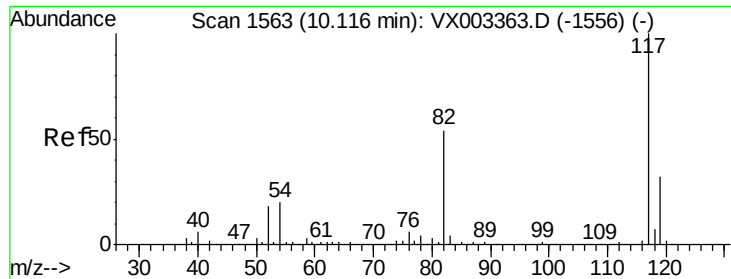
Tot Ion: 98 Resp: 576126
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 44.73 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

Tgt Ion: 95 Resp: 189522
Ion Ratio Lower Upper
95 100
174 94.7 0.0 187.4
176 90.1 0.0 181.0

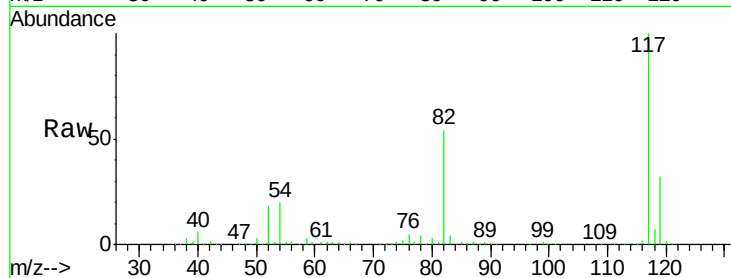




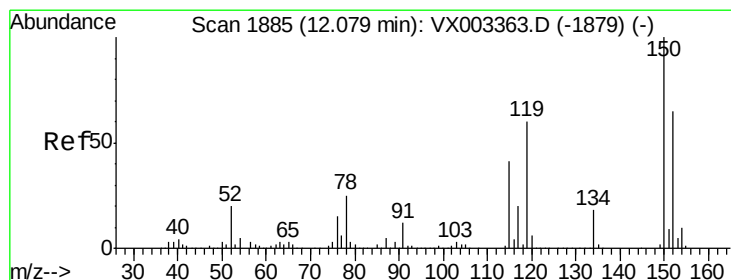
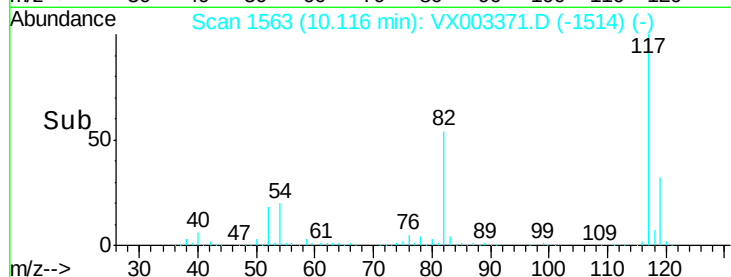
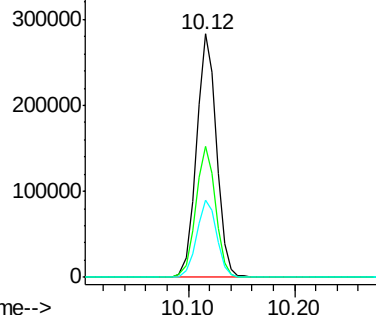
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

Instrument :
MSVOA_X
ClientSampleId :
VX0713WBL01

Tot Ion:117 Resp: 371336
Ion Ratio Lower Upper
117 100
82 53.9 45.0 67.4
119 31.9 25.8 38.6

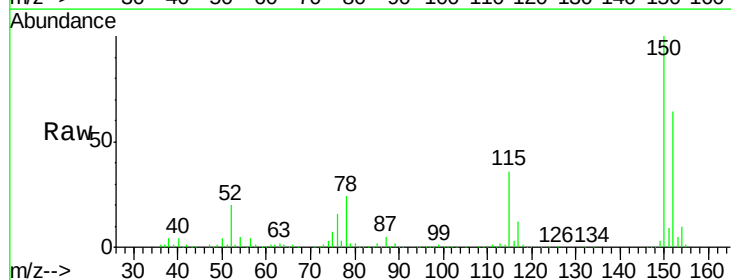


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

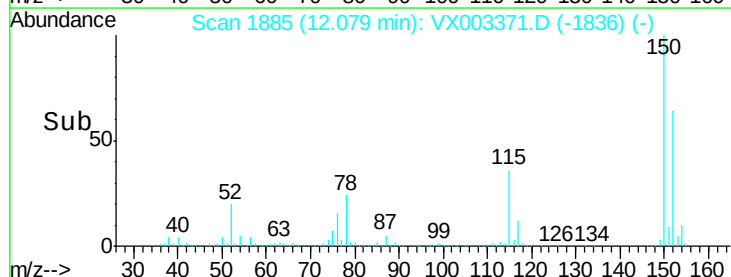
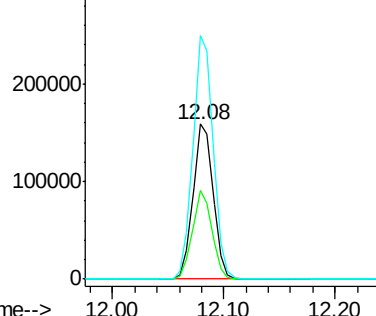


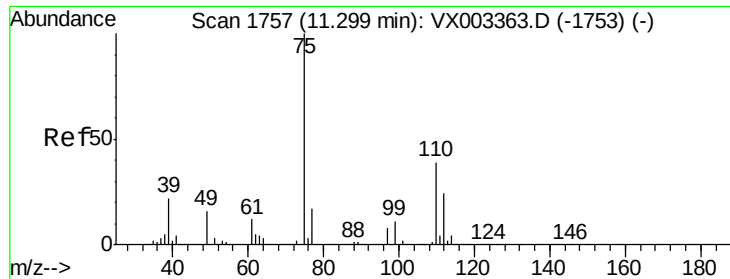
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003371.D
Acq: 13 Jul 2018 19:48

Tgt Ion:152 Resp: 199516
Ion Ratio Lower Upper
152 100
115 55.4 40.1 120.2
150 157.1 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

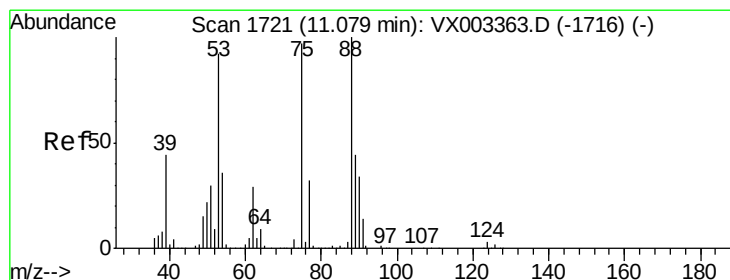
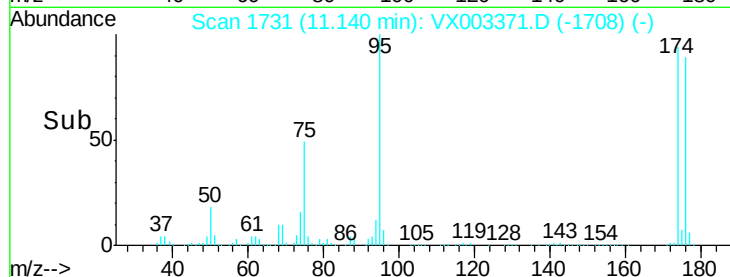
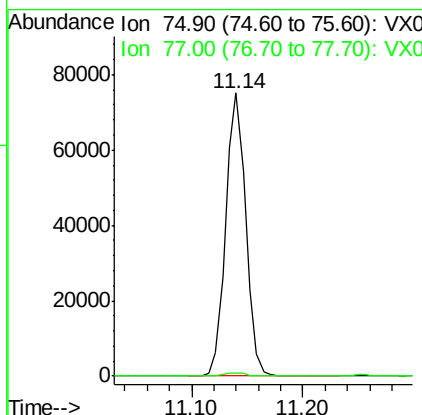
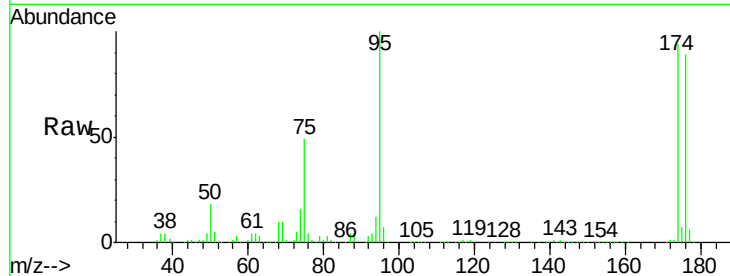




#76
 1,2,3-Trichloropropane
 Concen: 23.73 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003371.D
 Acq: 13 Jul 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0713WBL01

Tot Ion: 75 Resp: 93520
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.10 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003371.D
 Acq: 13 Jul 2018 19:48

Tgt Ion: 75 Resp: 93520
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

