

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003097.D
 Acq On : 01 Jul 2018 00:41
 Operator : JC/MD
 Sample : VX0630WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

Quant Time: Jul 02 04:55:16 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	276354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198095	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	178878	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	5.51	113	146048	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	8.72	98	529622	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	11.14	95	186768	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

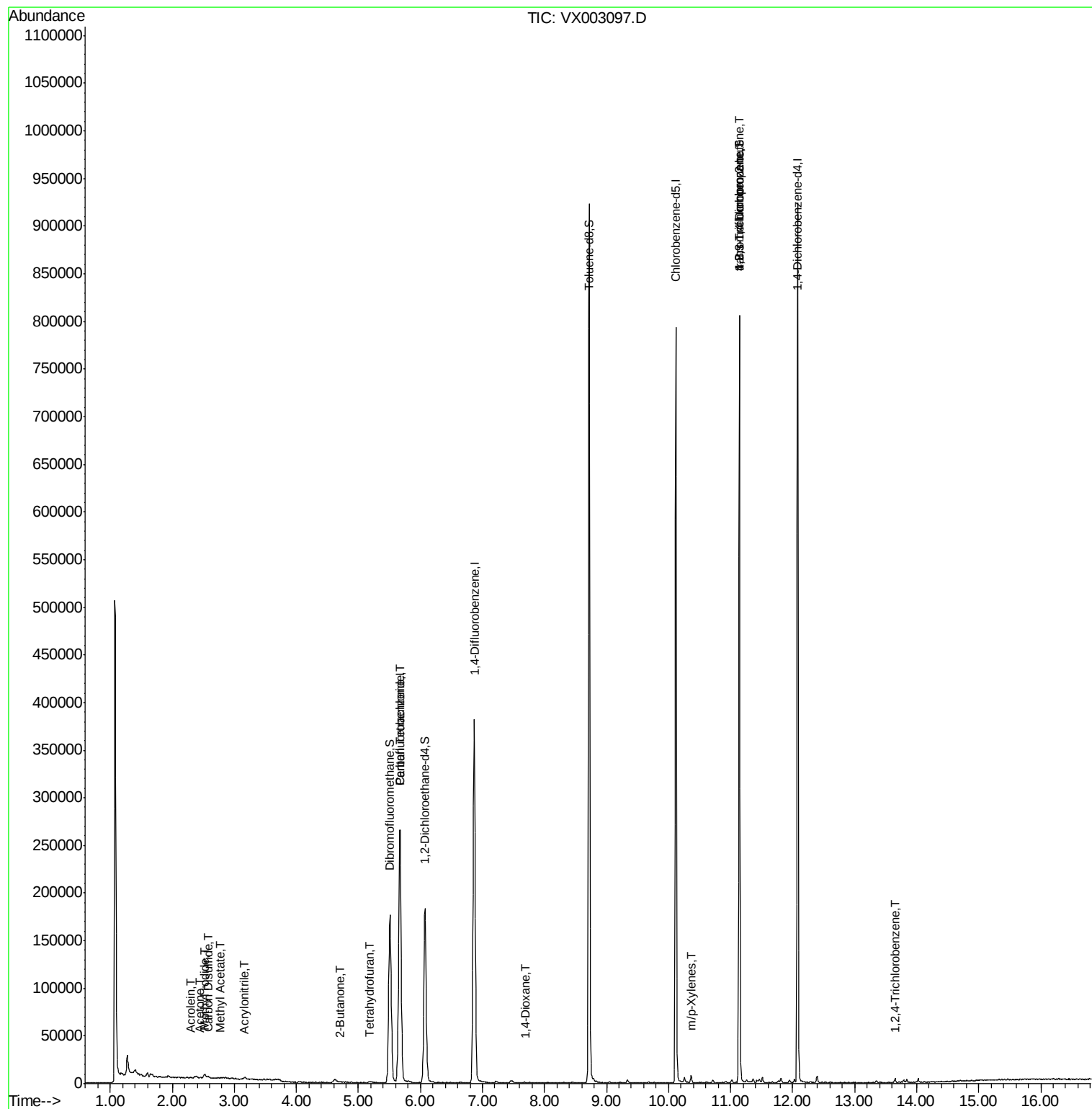
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	345	Below Cal		73
3) Chloromethane	1.33	50	910	Below Cal		91
5) Bromomethane	1.65	94	2984	Below Cal		96
6) Chloroethane	1.73	64	279	Below Cal	#	80
10) Methyl Iodide	2.52	142	4874	7.60	ug/l	97
13) Acrolein	2.29	56	345	5.03	ug/l	# 58
15) Acrylonitrile	3.15	53	703	0.43	ug/l	# 91
16) Acetone	2.45	43	881	0.56	ug/l	94
17) Carbon Disulfide	2.57	76	2940	0.40	ug/l	# 87
18) Methyl Acetate	2.78	43	994	0.22	ug/l	# 81
25) 2-Butanone	4.71	43	635	0.27	ug/l	# 89
29) Tetrahydrofuran	5.17	42	1611	1.07	ug/l	# 71
38) Carbon Tetrachloride	5.67	117	25199	5.42	ug/l	# 15
49) 1,4-Dioxane	7.70	88	25	0.33	ug/l	# 17
68) m/p-Xylenes	10.36	106	1741	0.31	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	96017	26.76	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	96017	75.78	ug/l	# 6
93) 1,2,4-Trichlorobenzene	13.65	180	1325	0.26	ug/l	90

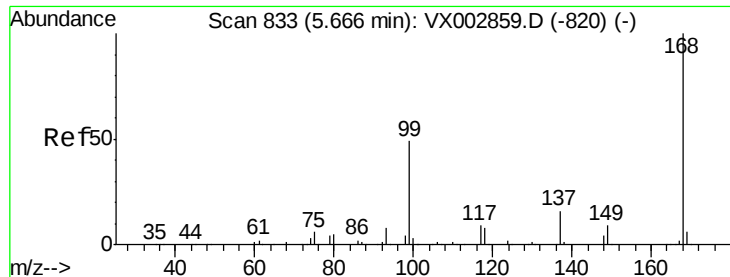
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003097.D

Acq: 01 Jul 2018 00:41

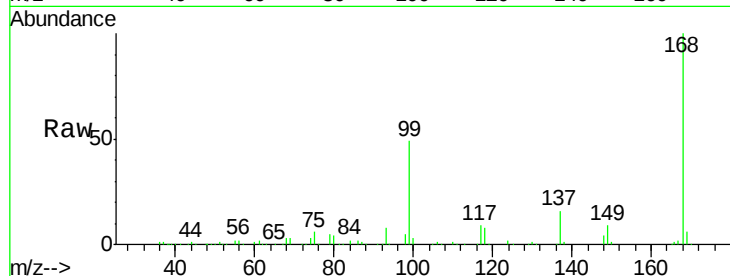
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

Tot Ion:168 Resp: 276354

Ion Ratio Lower Upper

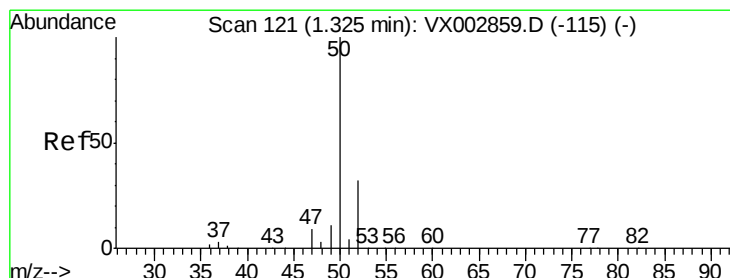
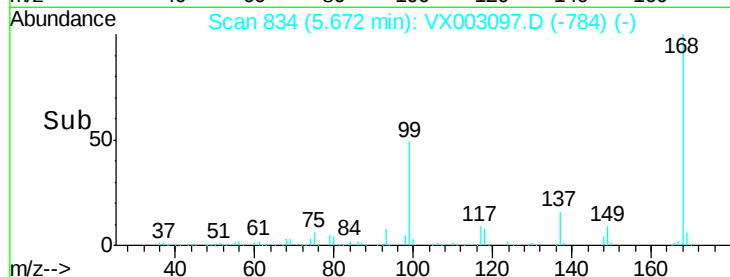
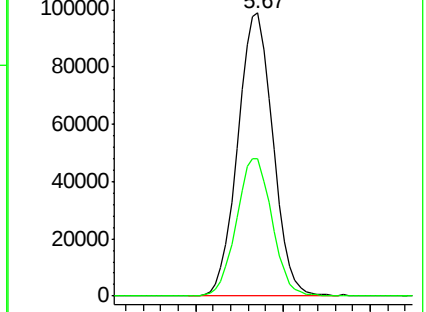
168 100

99 48.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003097.D

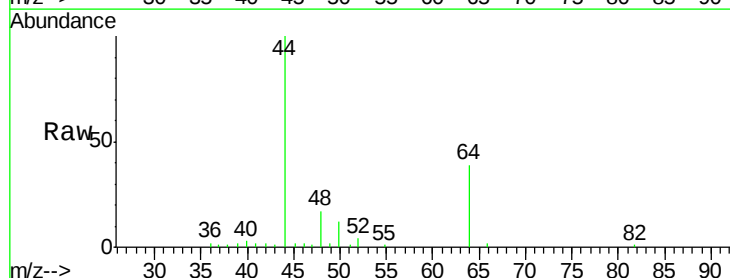
Acq: 01 Jul 2018 00:41

Tgt Ion: 50 Resp: 910

Ion Ratio Lower Upper

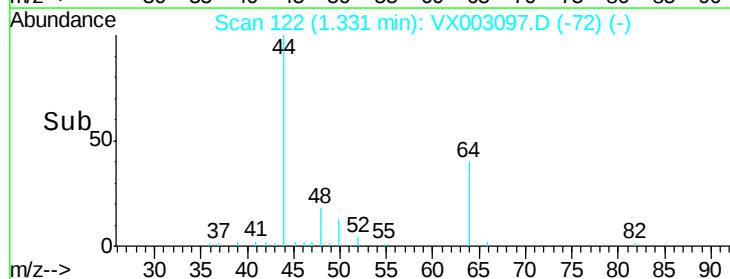
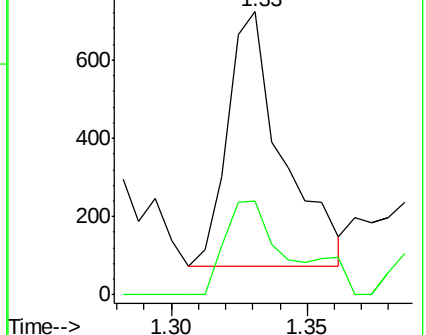
50 100

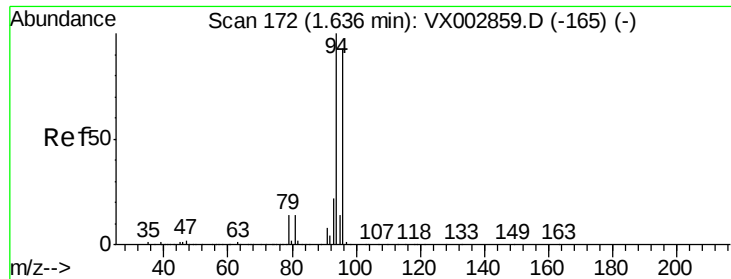
52 37.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003097.D

Acq: 01 Jul 2018 00:41

Instrument :

MSVOA_X

ClientSampled :

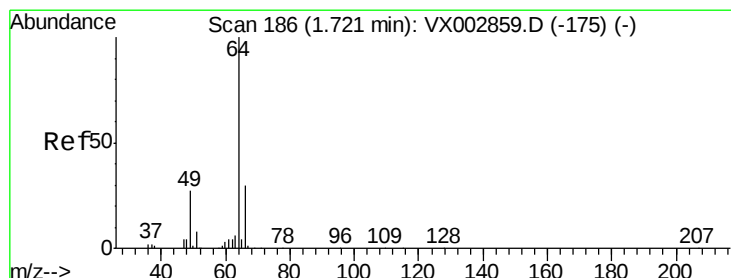
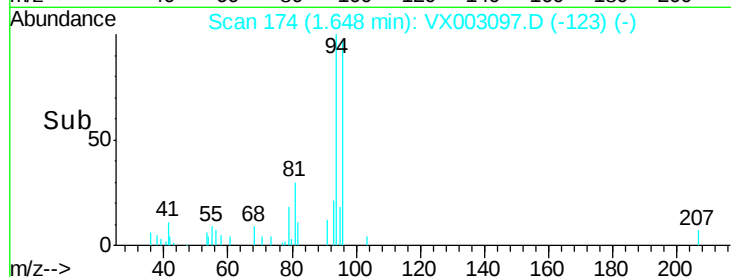
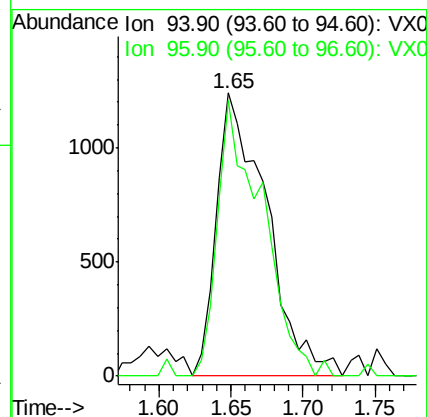
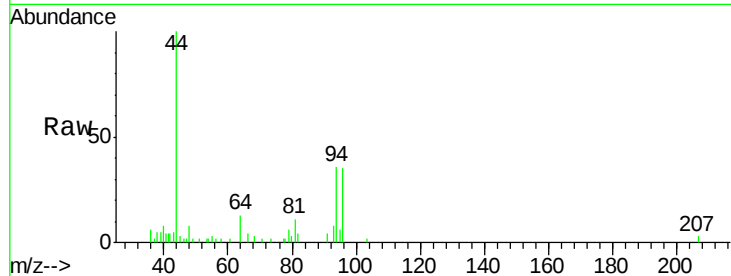
VX0630WBL02

Tot Ion: 94 Resp: 2984

Ion Ratio Lower Upper

94 100

96 97.3 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003097.D

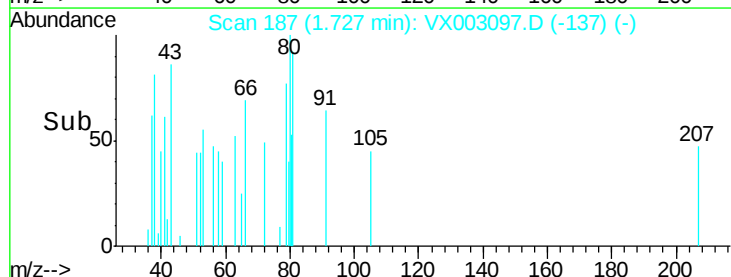
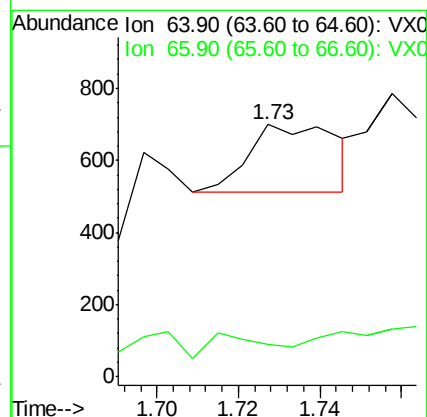
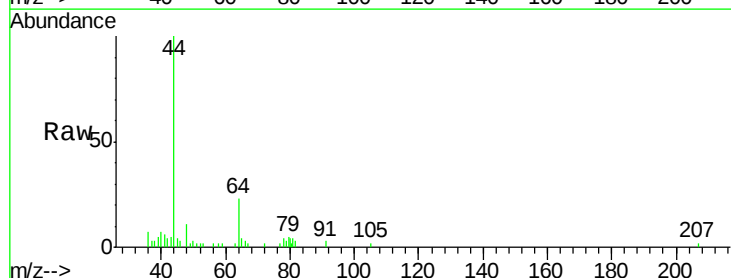
Acq: 01 Jul 2018 00:41

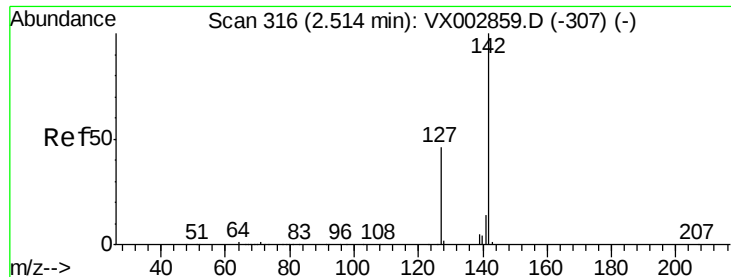
Tgt Ion: 64 Resp: 279

Ion Ratio Lower Upper

64 100

66 20.5 25.5 38.3#

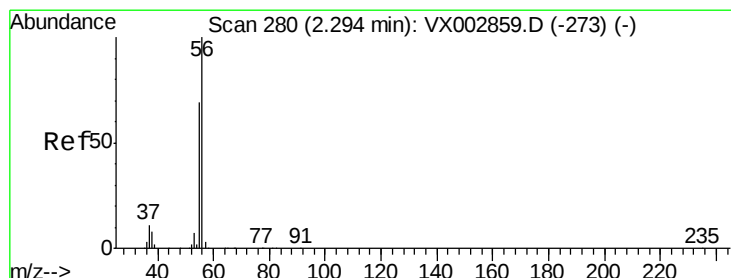
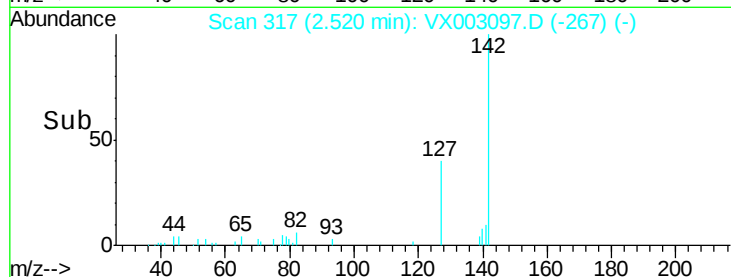
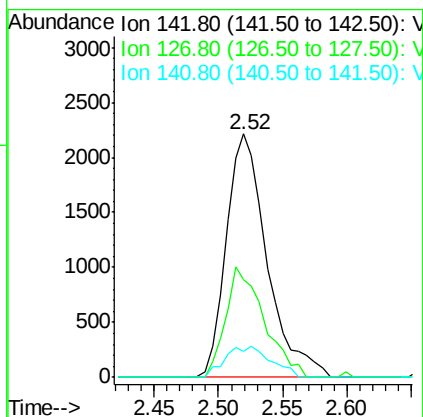
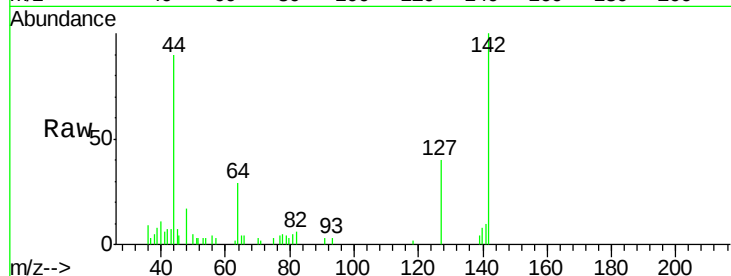




#10
Methvl Iodide
Concen: 7.60 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

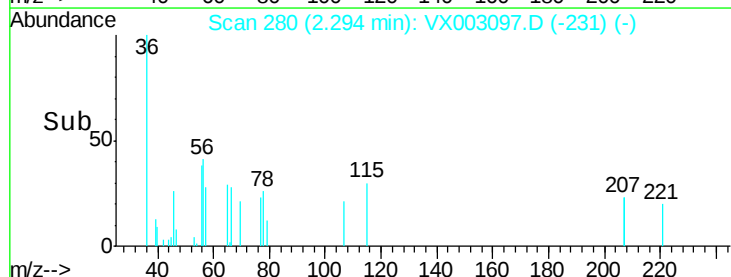
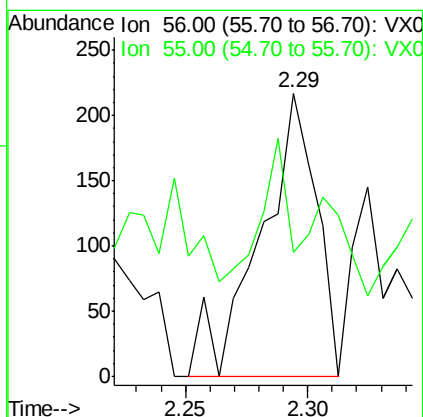
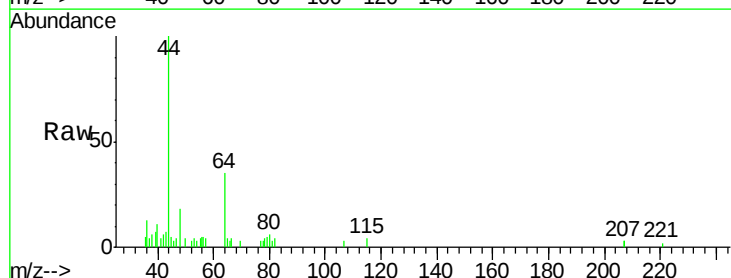
Instrument :
MSVOA_X
ClientSampled :
VX0630WBL02

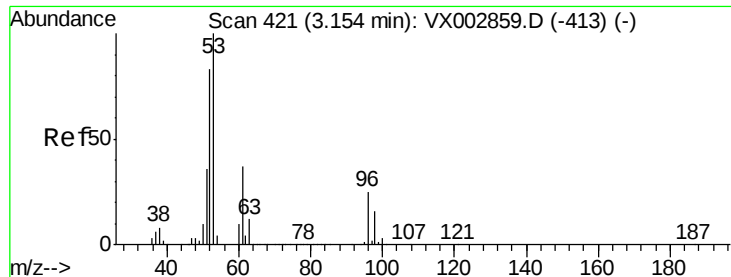
Tot Ion:142 Resp: 4874
Ion Ratio Lower Upper
142 100
127 42.9 36.6 55.0
141 14.3 11.3 16.9



#13
Acrolein
Concen: 5.03 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion: 56 Resp: 345
Ion Ratio Lower Upper
56 100
55 36.2 57.0 85.4#





#15

Acrylonitrile

Concen: 0.43 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003097.D

Acq: 01 Jul 2018 00:41

Instrument :

MSVOA_X

ClientSampled :

VX0630WBL02

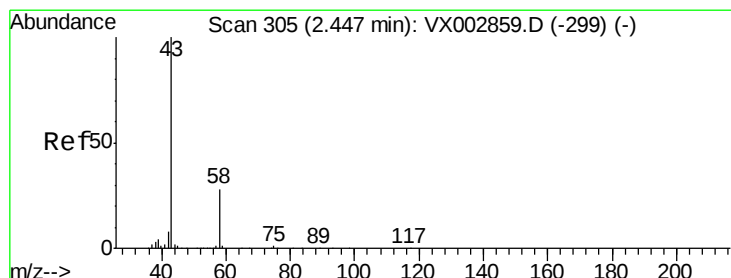
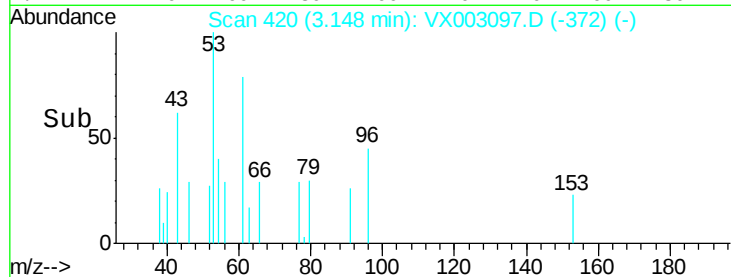
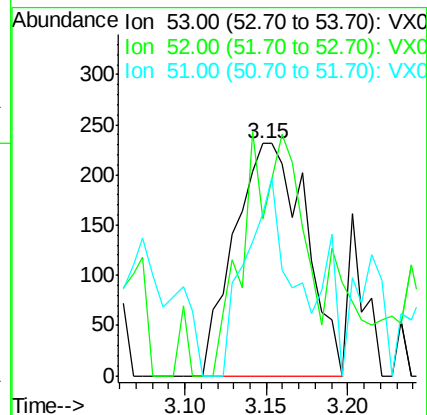
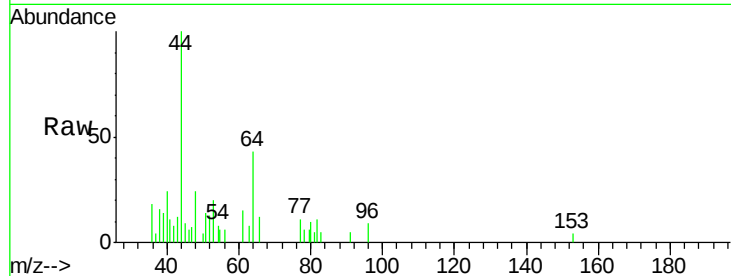
Tot Ion: 53 Resp: 703

Ion Ratio Lower Upper

53 100

52 84.2 66.7 100.1

51 54.1 29.9 44.9#



#16

Acetone

Concen: 0.56 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003097.D

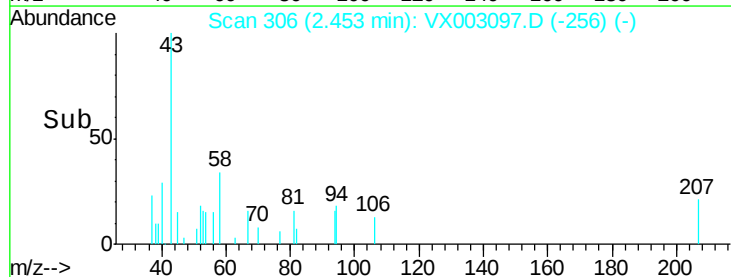
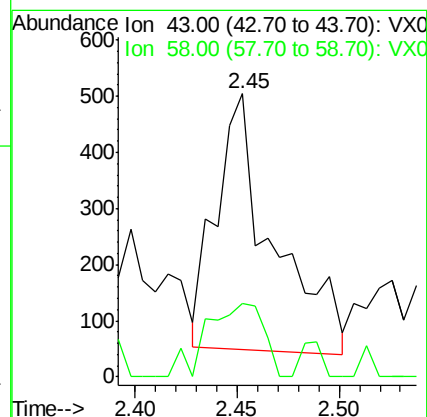
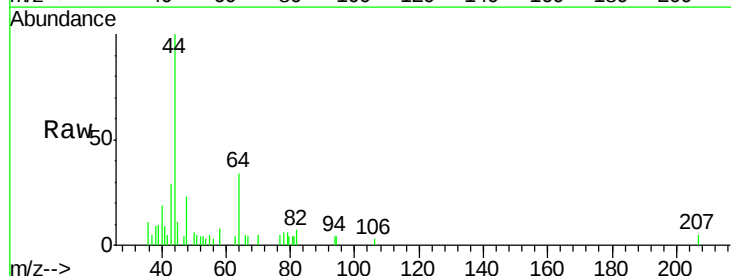
Acq: 01 Jul 2018 00:41

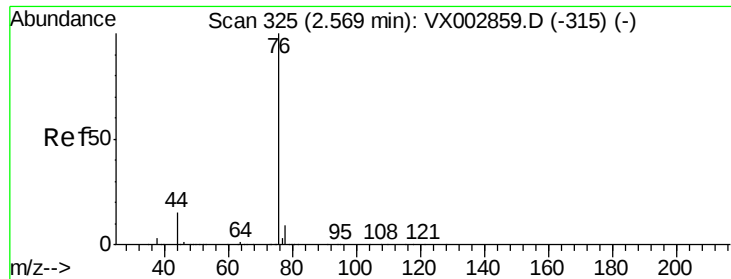
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

58 30.8 22.1 33.1

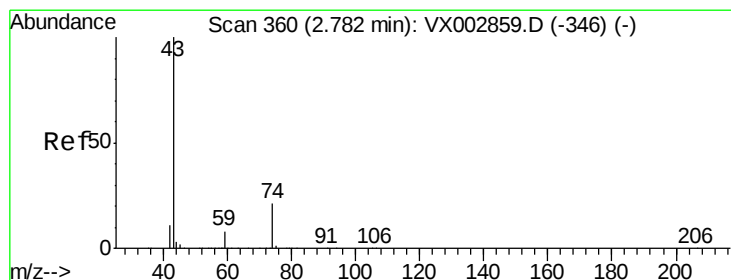
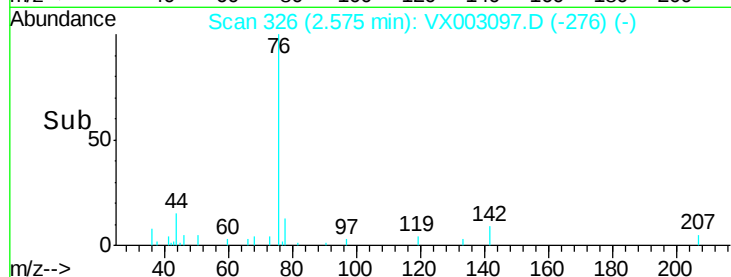
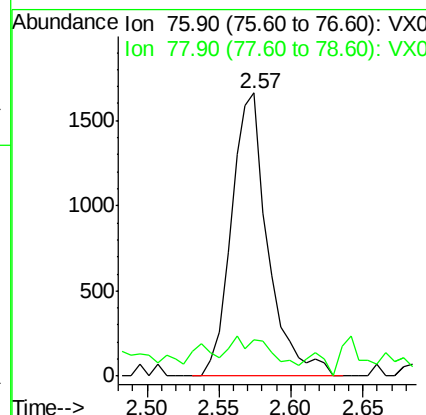
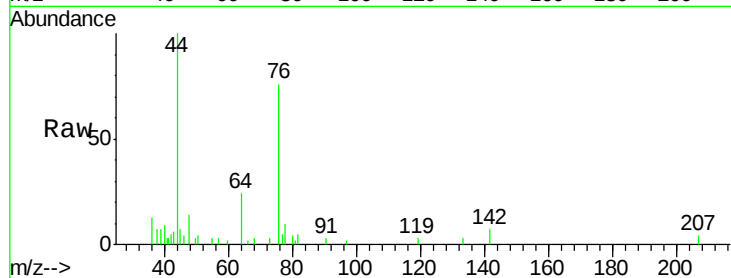




#17
Carbon Disulfide
Concen: 0.40 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

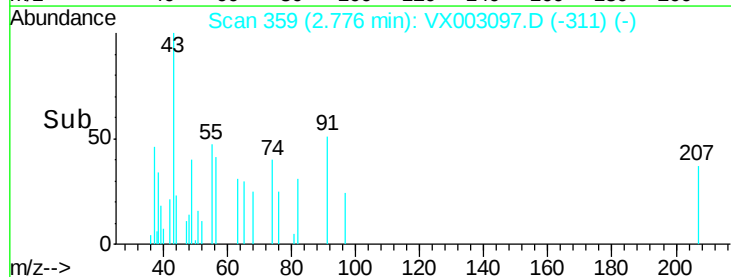
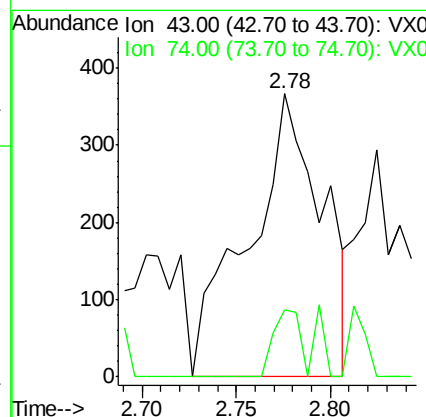
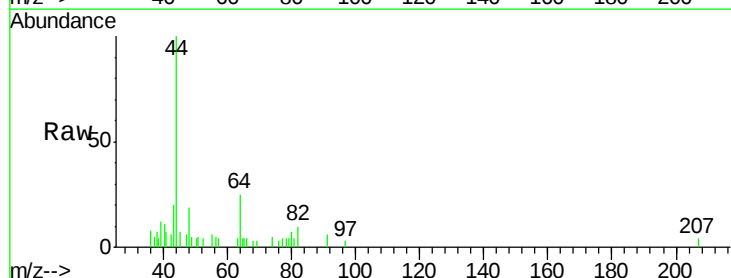
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

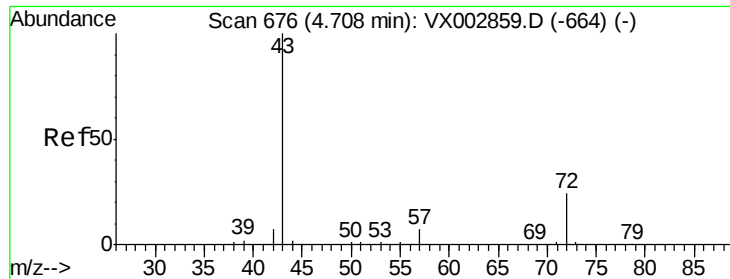
Tot Ion: 76 Resp: 2940
Ion Ratio Lower Upper
76 100
78 4.1 6.9 10.3#



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
74 11.9 16.7 25.1#





#25

2-Butanone

Concen: 0.27 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003097.D

Acq: 01 Jul 2018 00:41

Instrument :

MSVOA_X

ClientSampleId :

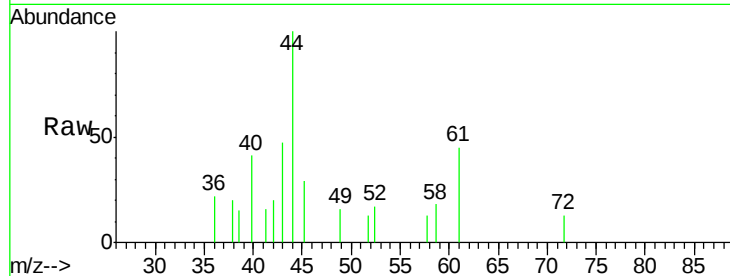
VX0630WBL02

Tot Ion: 43 Resp: 635

Ion Ratio Lower Upper

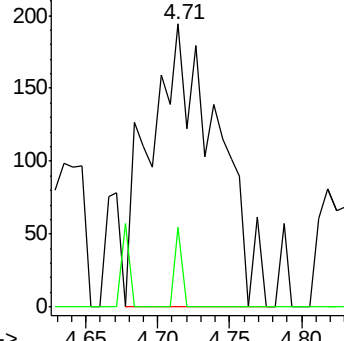
43 100

72 28.4 18.5 27.7#

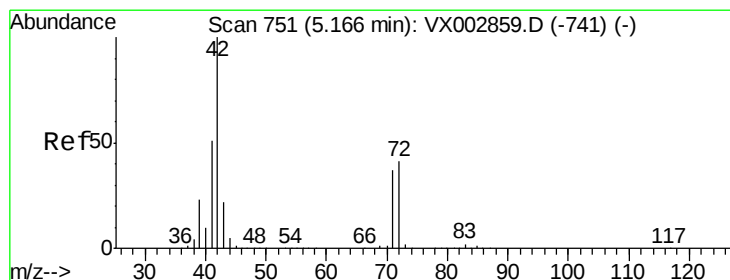
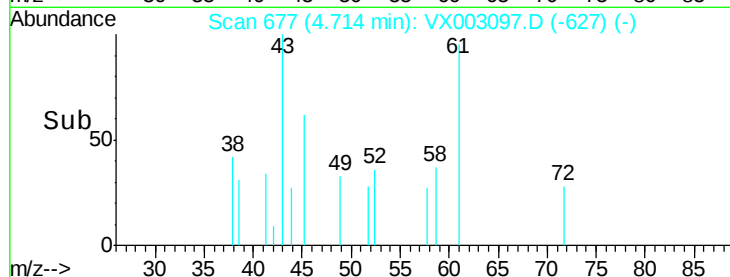


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 1.07 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX003097.D

Acq: 01 Jul 2018 00:41

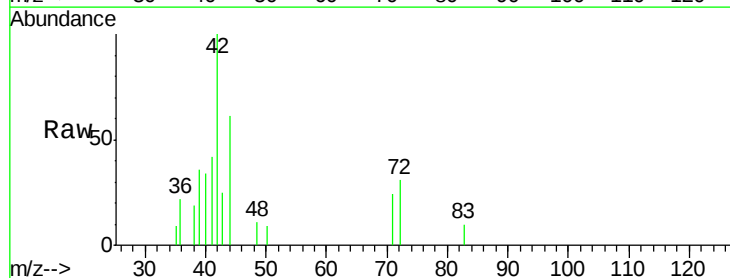
Tgt Ion: 42 Resp: 1611

Ion Ratio Lower Upper

42 100

72 12.5 32.0 48.0#

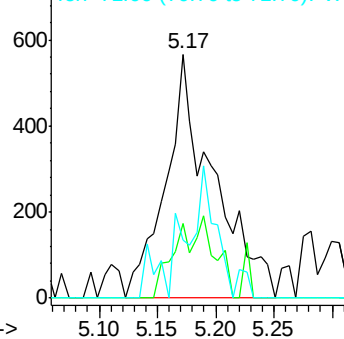
71 30.5 30.1 45.1



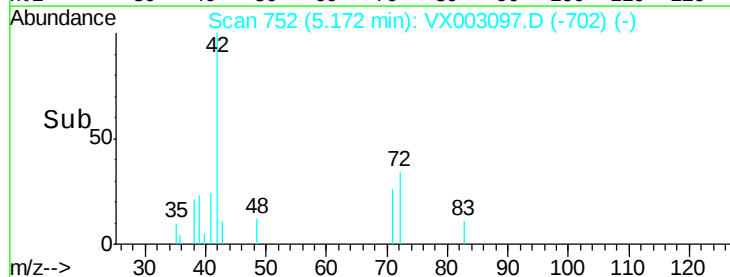
Abundance Ion 42.00 (41.70 to 42.70): VX0

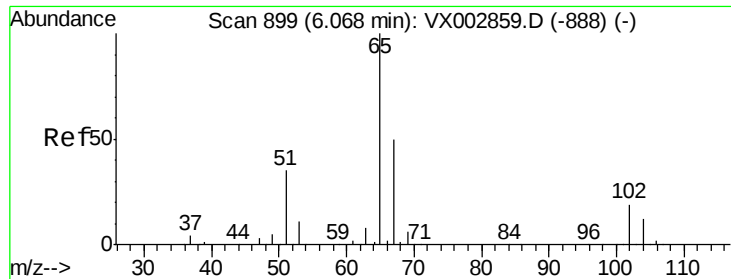
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

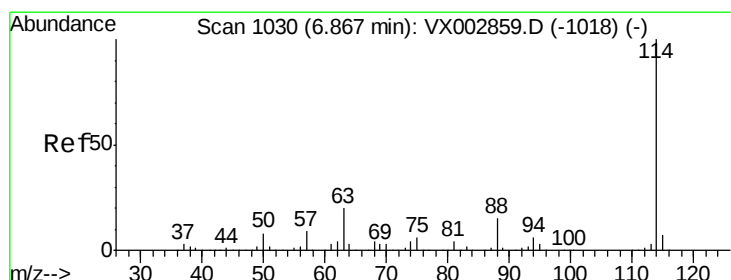
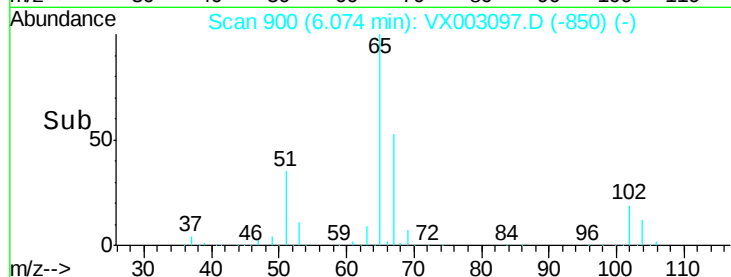
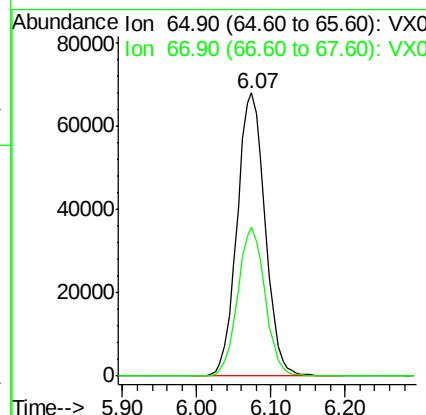
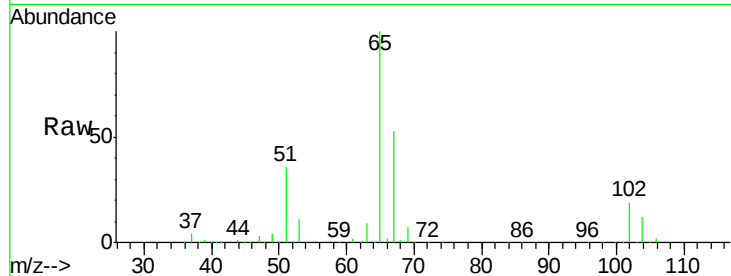




#33
 1,2-Dichloroethane-d4
 Concen: 46.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003097.D
 Acq: 01 Jul 2018 00:41

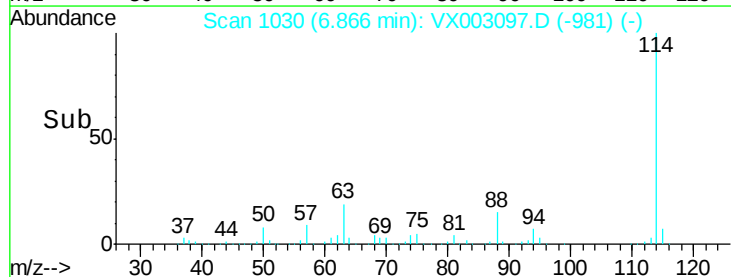
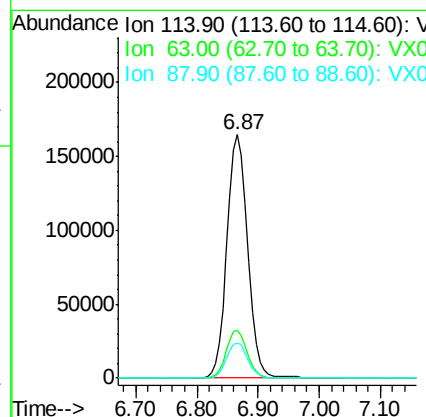
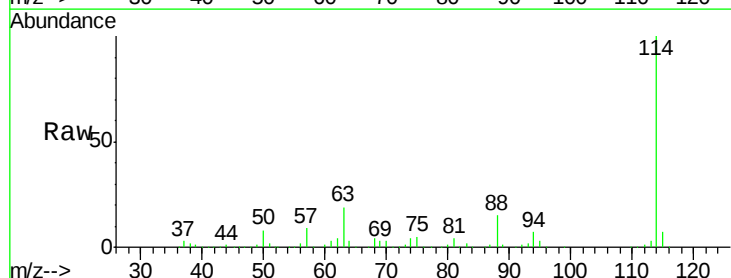
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

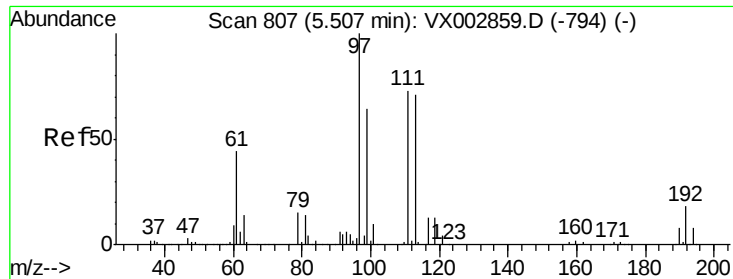
Tot Ion: 65 Resp: 178878
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003097.D
 Acq: 01 Jul 2018 00:41

Tgt Ion: 114 Resp: 386087
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 14.6 0.0 30.0

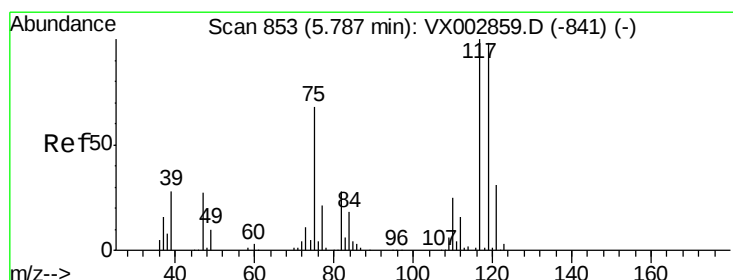
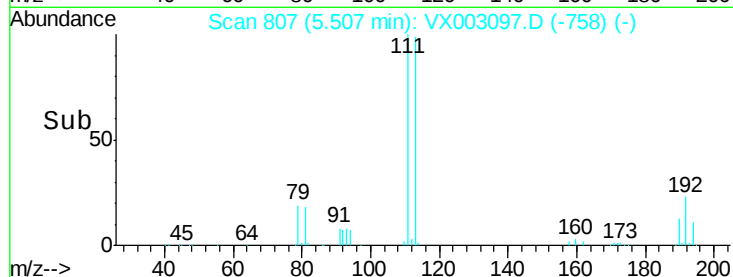
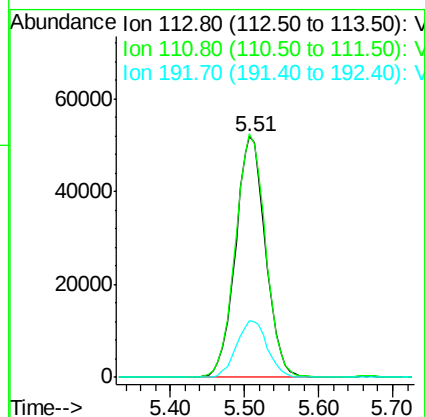
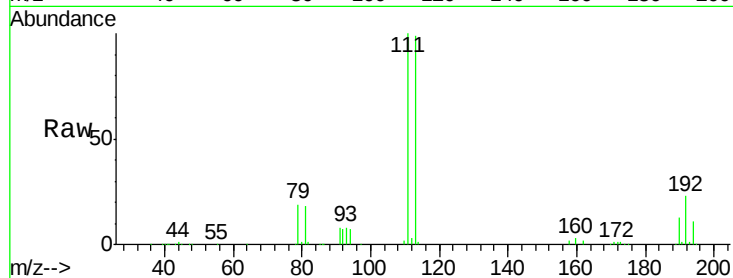




#35
Dibromofluoromethane
Concen: 47.77 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

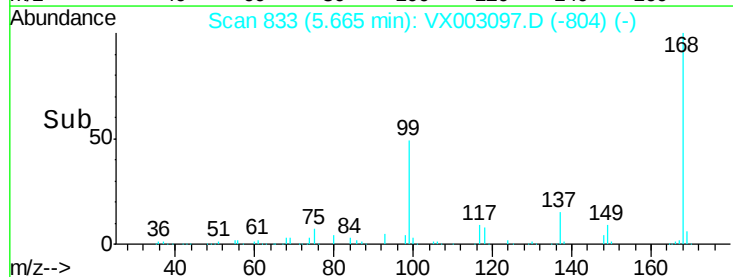
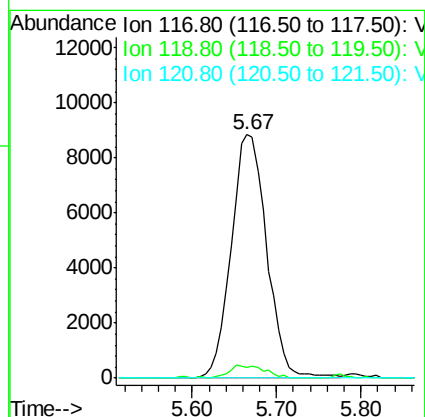
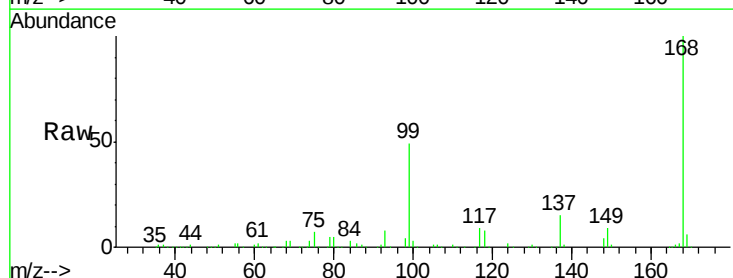
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

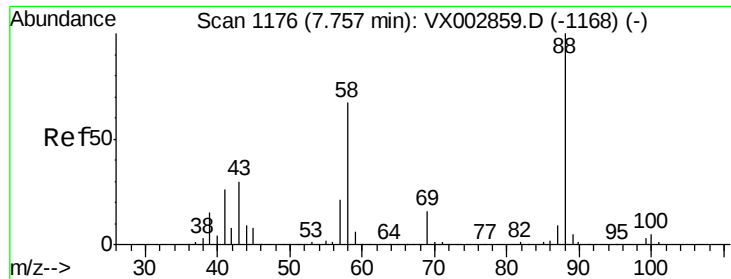
Tot Ion:113 Resp: 146048
Ion Ratio Lower Upper
113 100
111 102.1 81.4 122.0
192 24.4 19.1 28.7



#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion:117 Resp: 25199
Ion Ratio Lower Upper
117 100
119 4.4 77.4 116.0#
121 0.0 24.4 36.6#

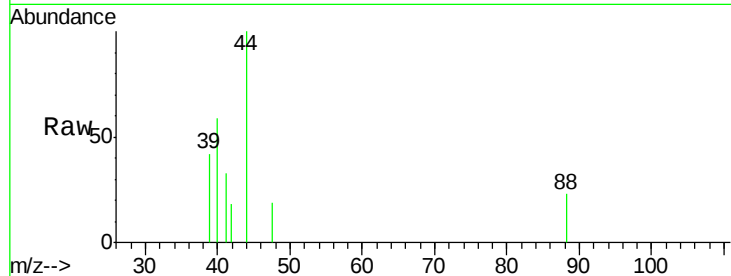




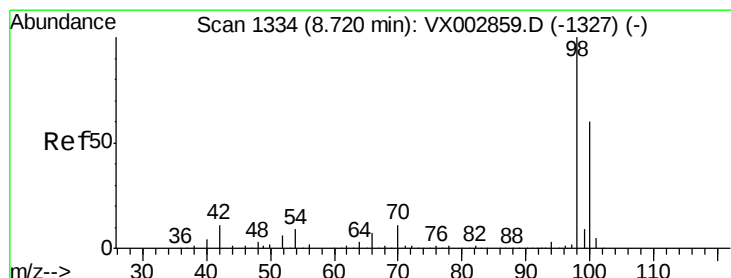
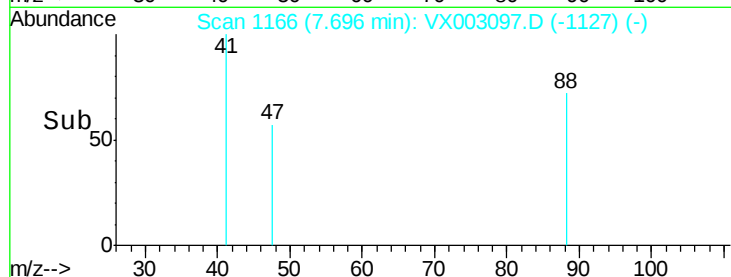
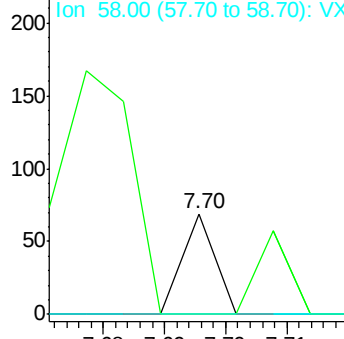
#49
1,4-Dioxane
Concen: 0.33 ug/l
RT: 7.70 min Scan# 1166
Delta R.T. -0.06 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

Tot Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 84.0 29.8 44.6#
58 0.0 57.1 85.7#

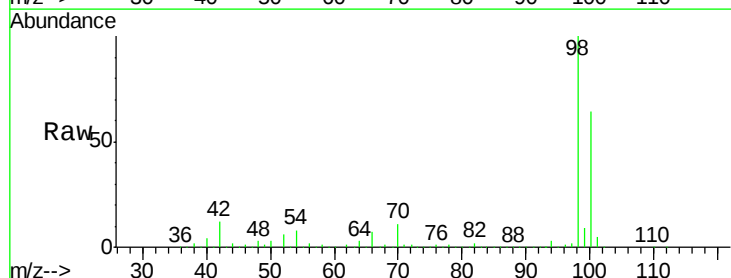


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

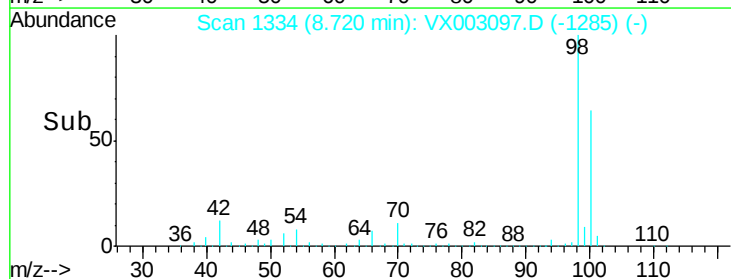
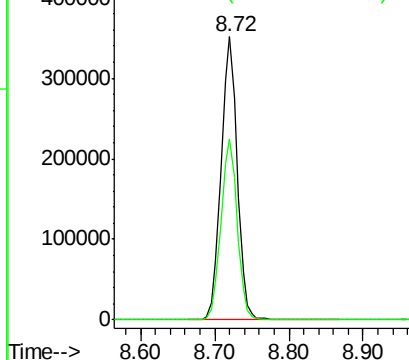


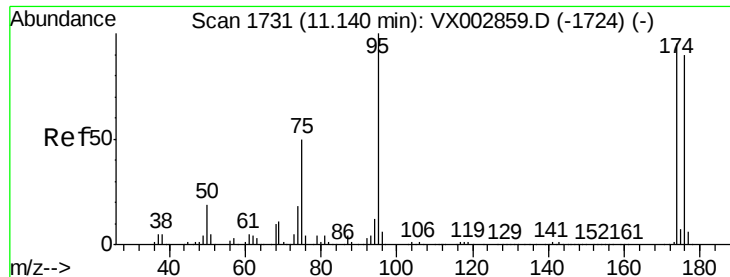
#50
Toluene-d8
Concen: 47.44 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion: 98 Resp: 529622
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

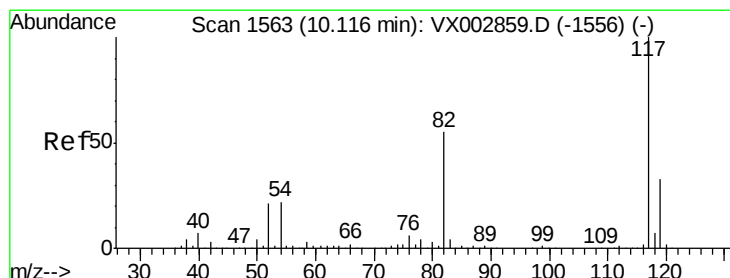
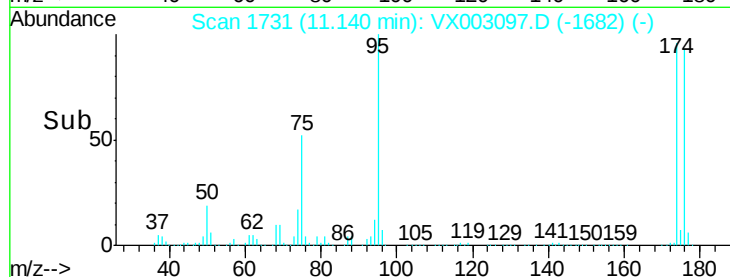
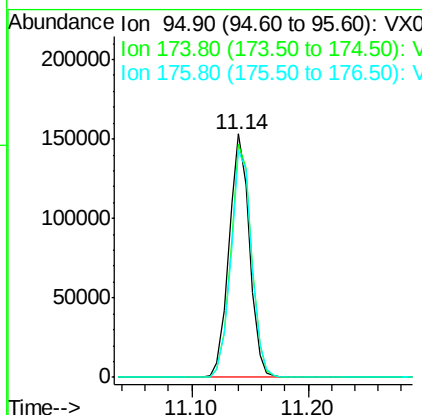
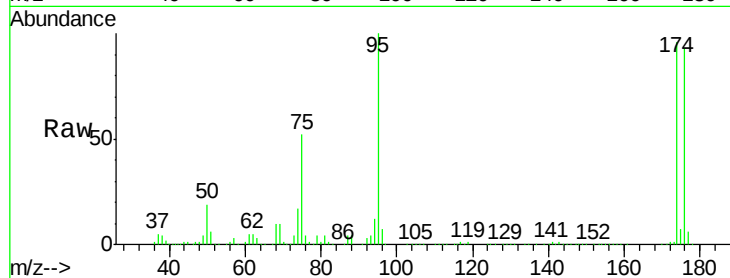




#62
4-Bromofluorobenzene
Concen: 43.37 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

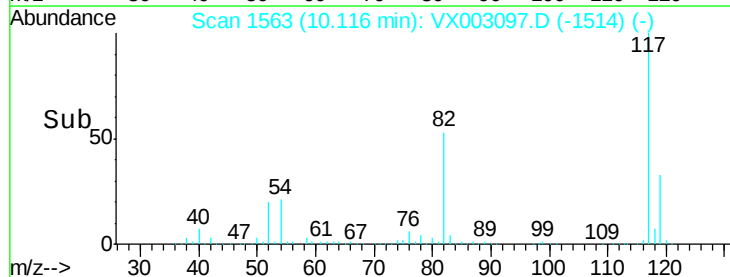
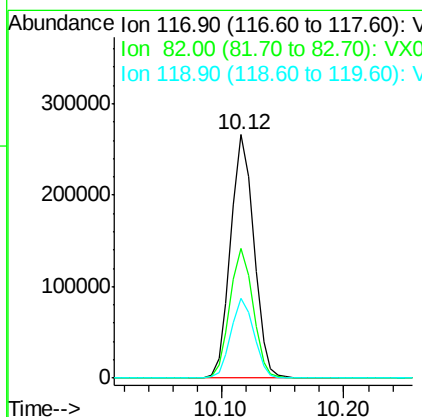
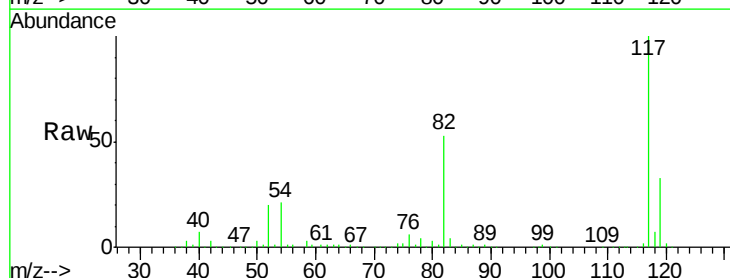
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

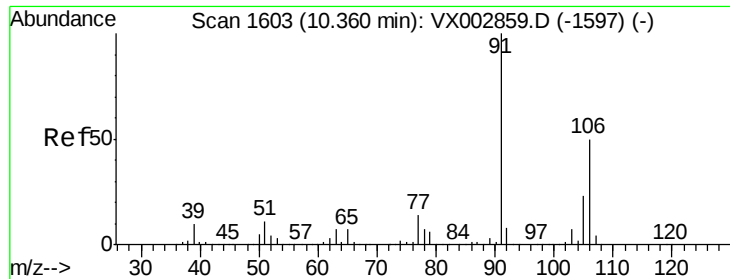
Tot Ion: 95 Resp: 186768
Ion Ratio Lower Upper
95 100
174 97.4 0.0 187.4
176 94.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion: 117 Resp: 350372
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 32.5 25.8 38.6

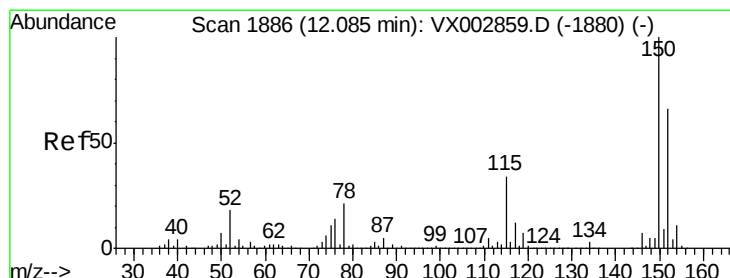
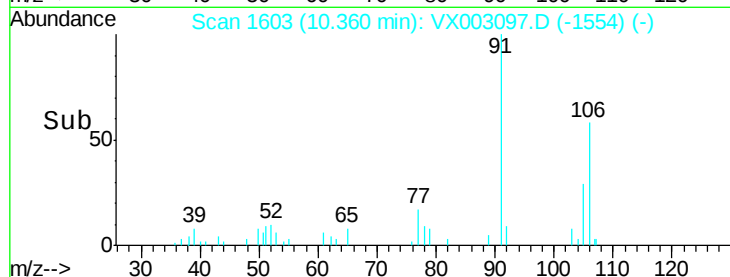
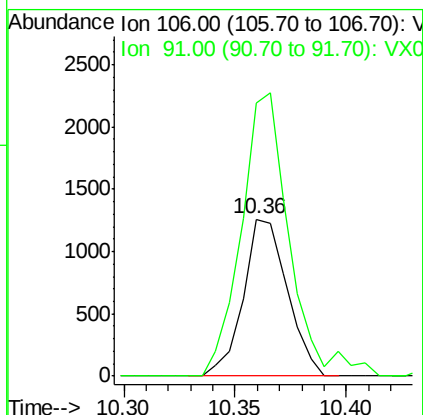
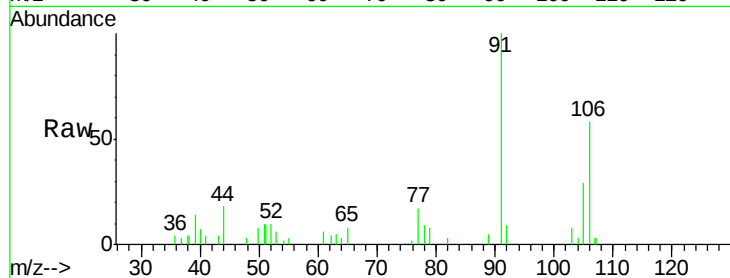




#68
m/p-Xvlenes
Concen: 0.31 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

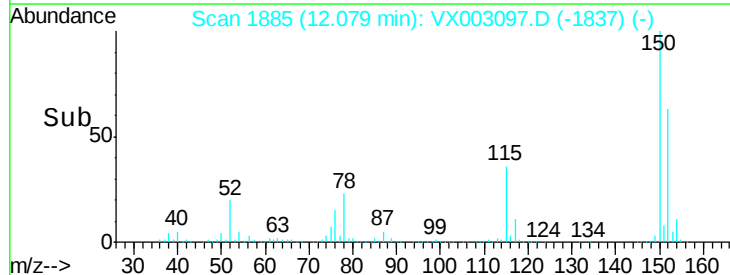
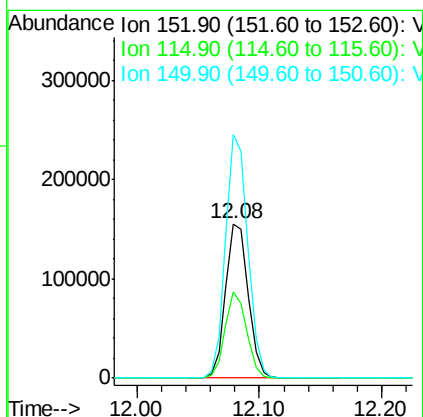
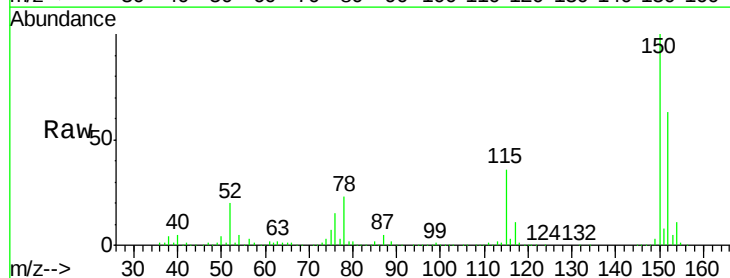
Instrument :
MSVOA_X
ClientSampleId :
VX0630WBL02

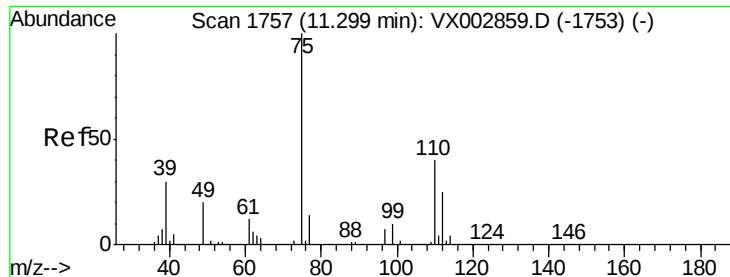
Tot Ion:106 Resp: 1741
Ion Ratio Lower Upper
106 100
91 196.6 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003097.D
Acq: 01 Jul 2018 00:41

Tgt Ion:152 Resp: 198095
Ion Ratio Lower Upper
152 100
115 53.7 40.1 120.2
150 155.4 0.0 347.2

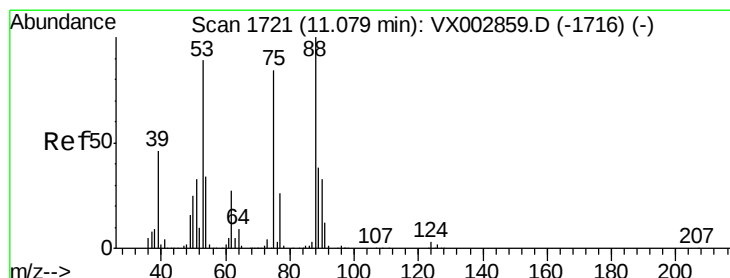
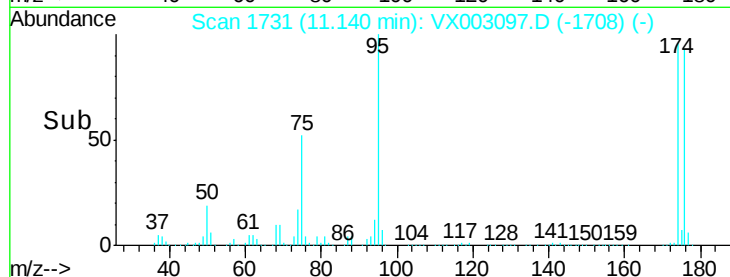
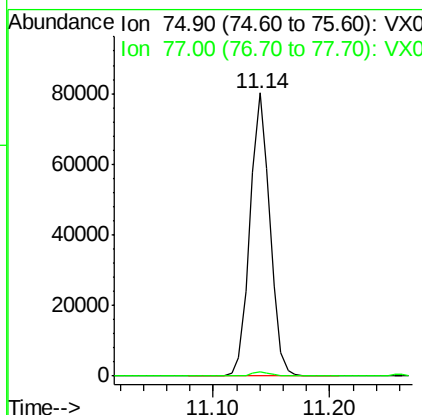
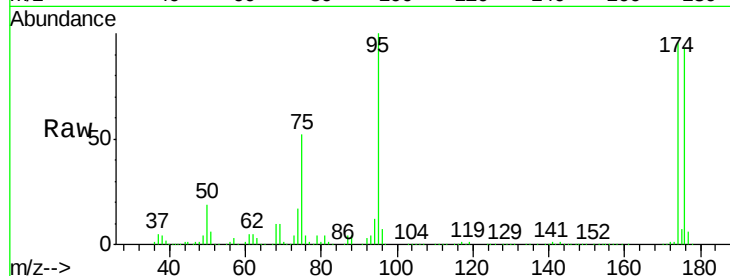




#76
 1,2,3-Trichloropropane
 Concen: 26.76 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003097.D
 Acq: 01 Jul 2018 00:41

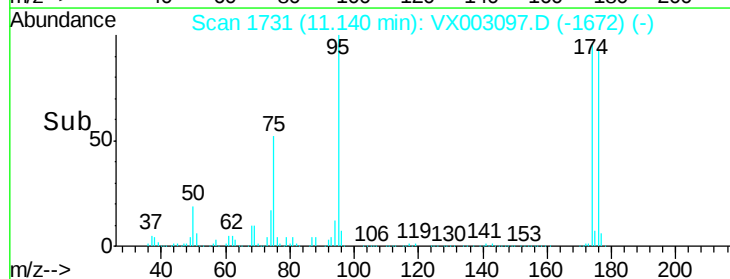
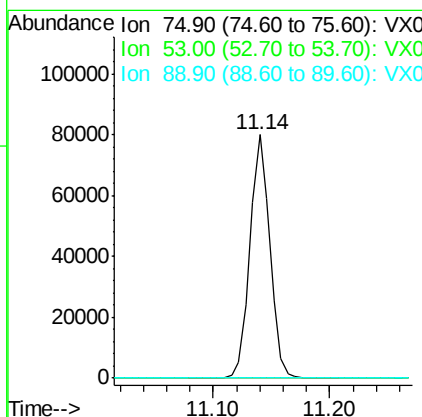
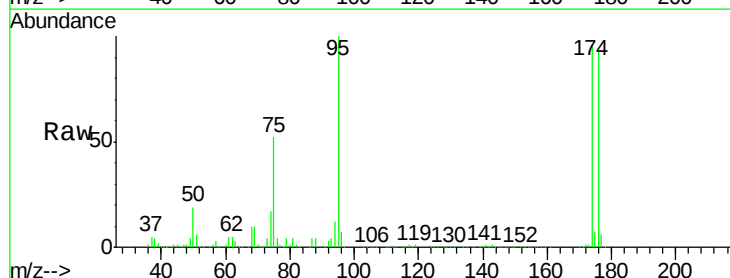
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

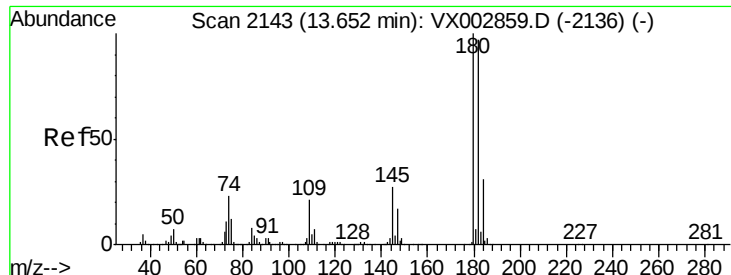
Tot Ion: 75 Resp: 96017
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.78 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003097.D
 Acq: 01 Jul 2018 00:41

Tgt Ion: 75 Resp: 96017
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.8 130.2#
 89 0.0 38.2 57.2#

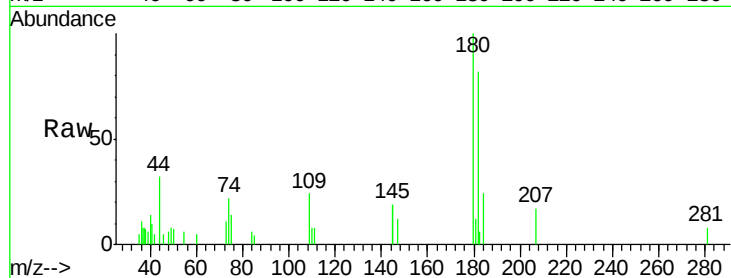




#93
 1,2,4-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003097.D
 Acq: 01 Jul 2018 00:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.2	47.7	143.1
145	31.8	14.1	42.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

