

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002929.D
 Acq On : 27 Jun 2018 11:38
 Operator : JC/MD
 Sample : VX0627MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 03:10:27 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	248569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168686	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.51	113	132465	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	8.72	98	485965	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.14	95	166089	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	

Target Compounds

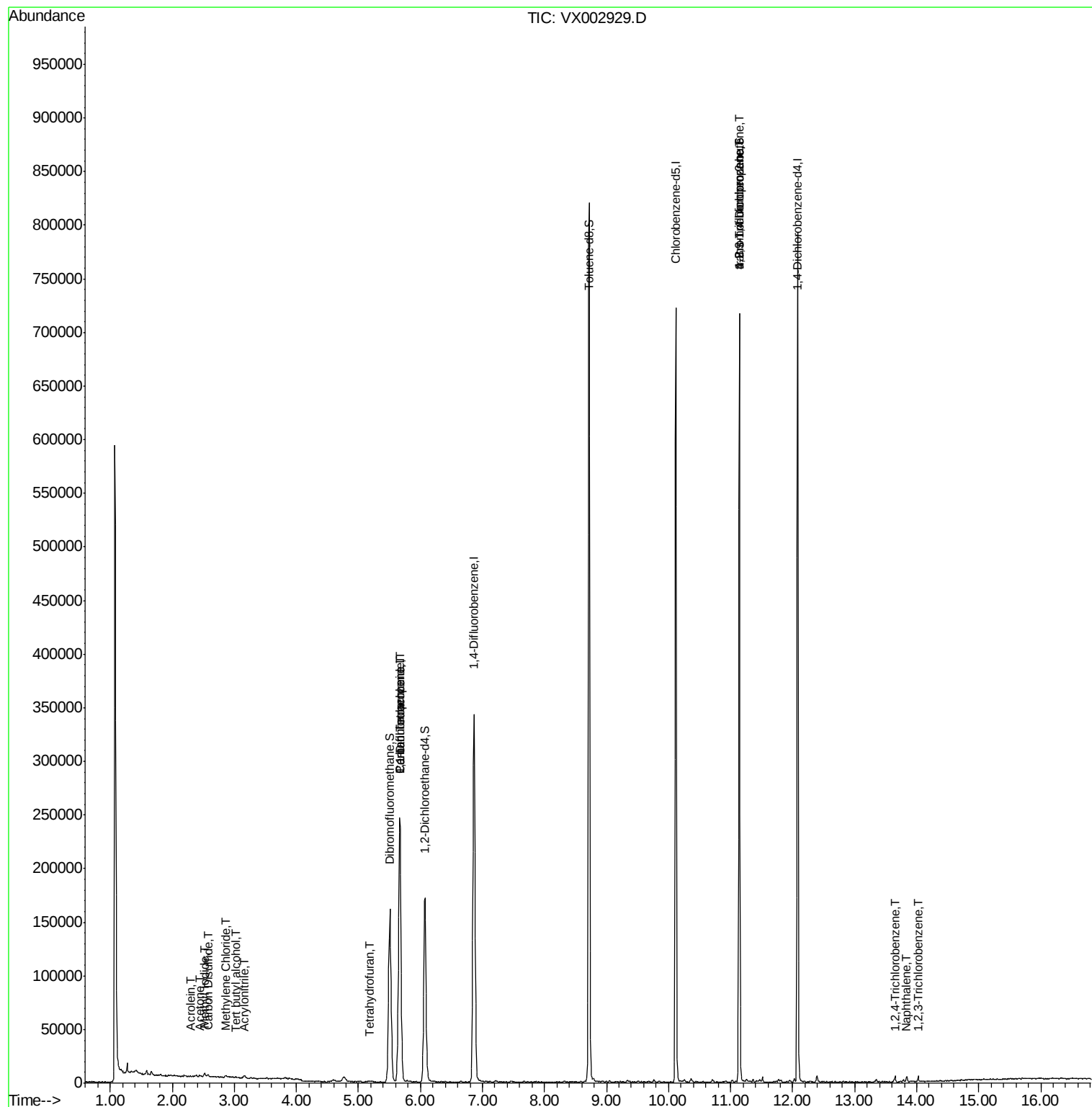
						Qvalue
2) Dichlorodifluoromethane	1.20	85	125	Below Cal	#	43
3) Chloromethane	1.33	50	735	Below Cal		92
5) Bromomethane	1.66	94	2123	Below Cal		93
6) Chloroethane	1.74	64	223	Below Cal	#	57
10) Methyl Iodide	2.52	142	3933	7.46	ug/l	96
11) Tert butyl alcohol	3.03	59	842	1.23	ug/l	# 79
13) Acrolein	2.29	56	685	6.00	ug/l	95
15) Acrylonitrile	3.15	53	1018	0.70	ug/l	# 32
16) Acetone	2.45	43	635	0.45	ug/l	# 52
17) Carbon Disulfide	2.57	76	2675	0.41	ug/l	# 92
20) Methylene Chloride	2.86	84	863	0.31	ug/l	# 92
29) Tetrahydrofuran	5.17	42	551	0.41	ug/l	# 51
36) 1,1-Dichloropropene	5.67	75	16461	4.33	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	22478	5.39	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	86901	28.80	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	86901	81.32	ug/l	# 7
93) 1,2,4-Trichlorobenzene	13.65	180	1265	0.30	ug/l	97
95) Naphthalene	13.83	128	3181	0.28	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	1190	0.28	ug/l	94

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

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QLast Update : Mon Jun 25 14:38:05 2018
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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: VX002929.D

Acq: 27 Jun 2018 11:38

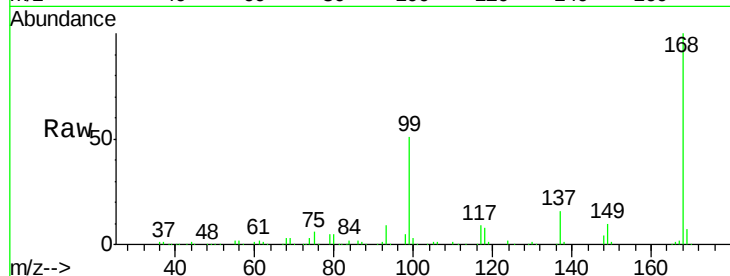
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 248569

Ion Ratio Lower Upper

168 100

99 51.4 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

80000

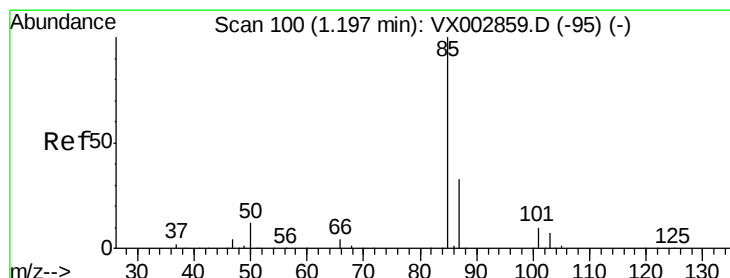
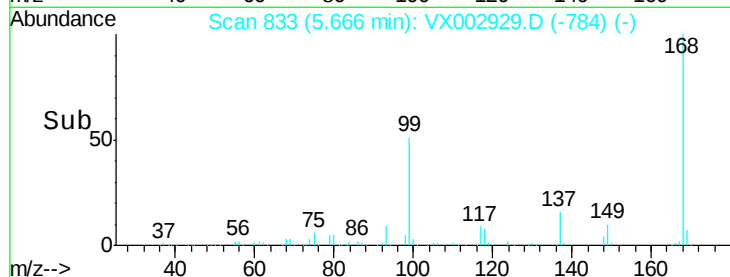
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002929.D

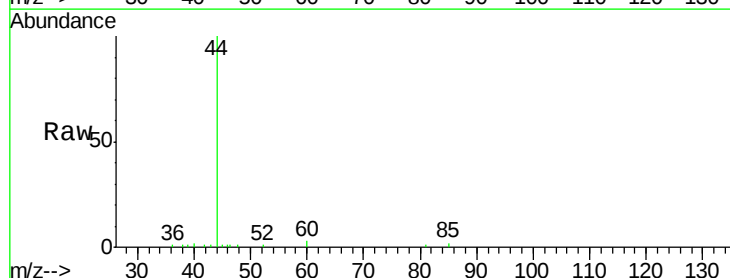
Acq: 27 Jun 2018 11:38

Tgt Ion: 85 Resp: 125

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

1.20

200

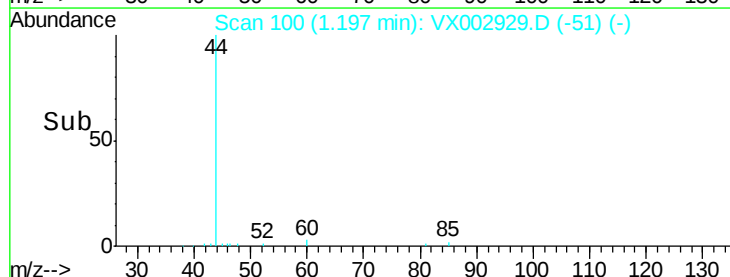
150

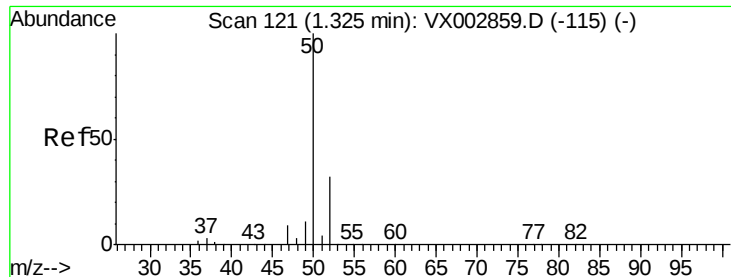
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

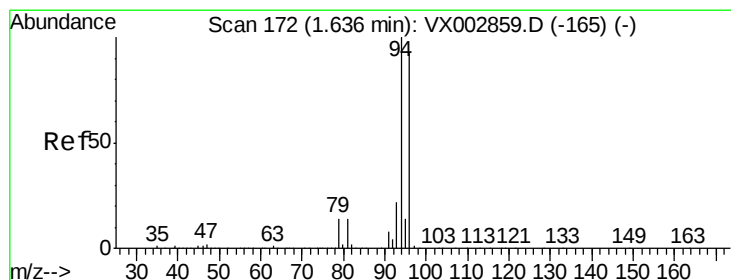
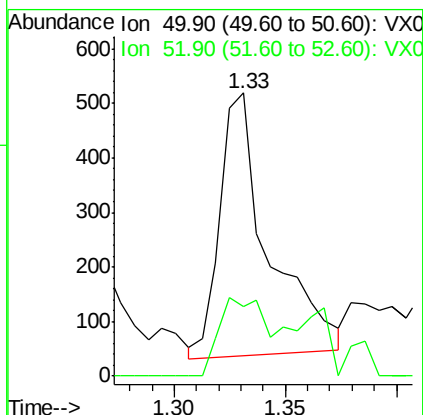
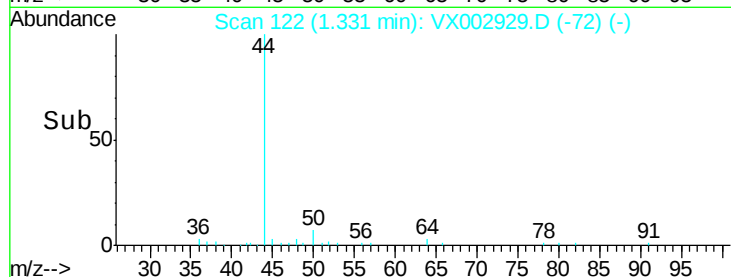
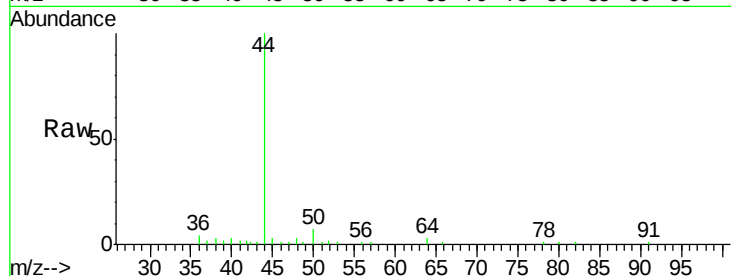
ClientSampled :

Tot Ion: 50 Resp: 735

Ion Ratio Lower Upper

50 100

52 27.5 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002929.D

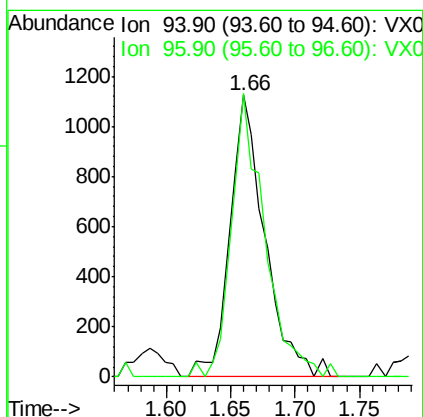
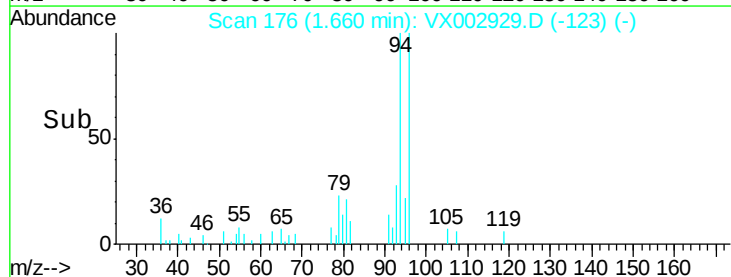
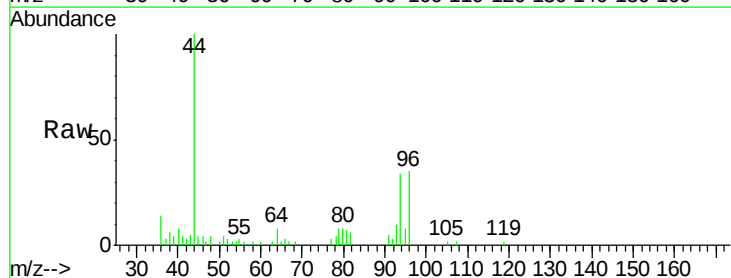
Acq: 27 Jun 2018 11:38

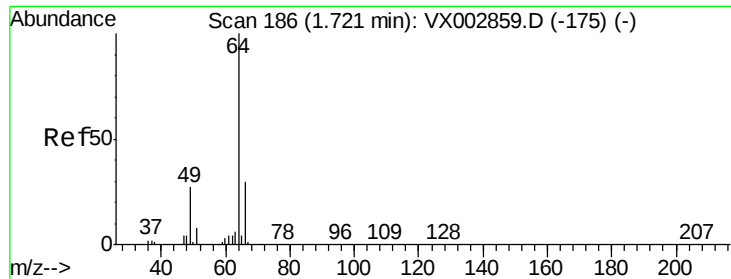
Tgt Ion: 94 Resp: 2123

Ion Ratio Lower Upper

94 100

96 100.4 74.9 112.3





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

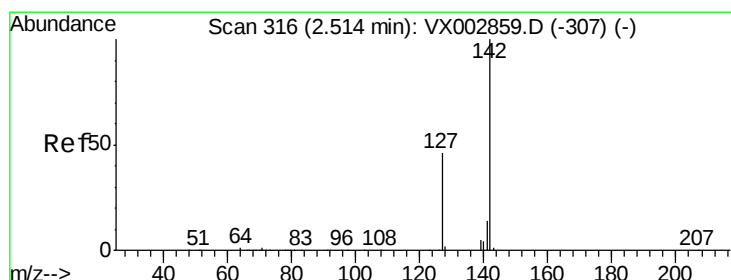
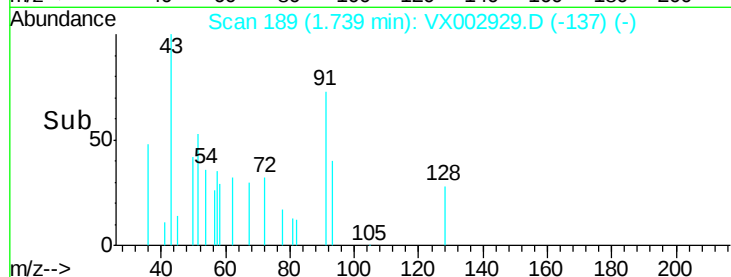
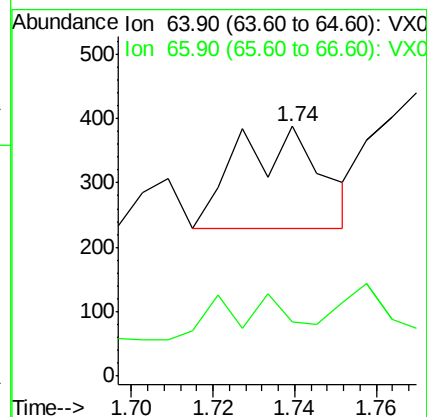
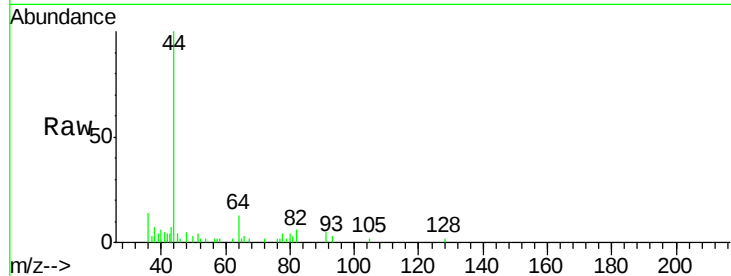
ClientSampleId :

Tot Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 8.2 25.5 38.3#



#10

Methyl Iodide

Concen: 7.46 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

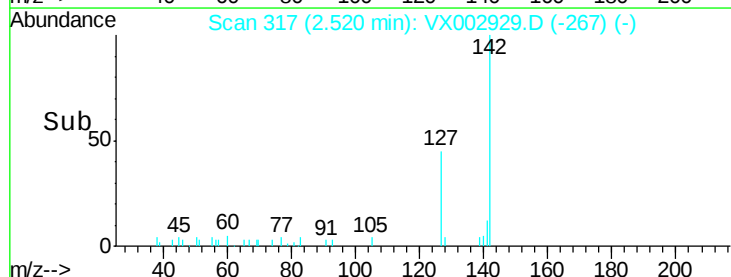
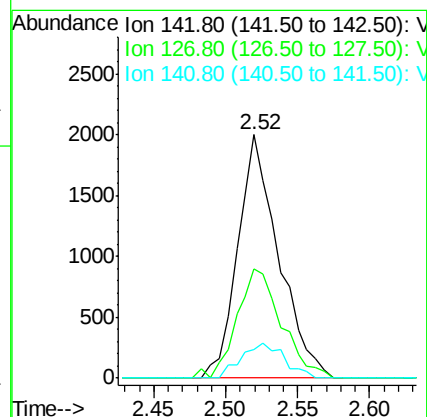
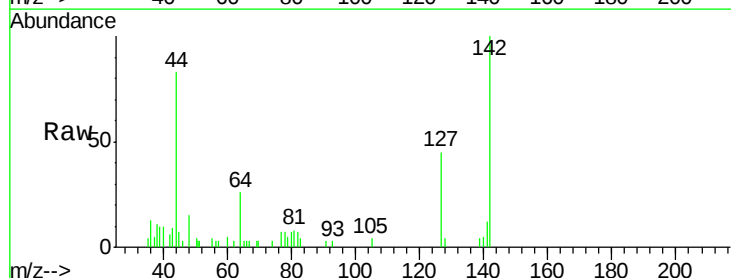
Tgt Ion: 142 Resp: 3933

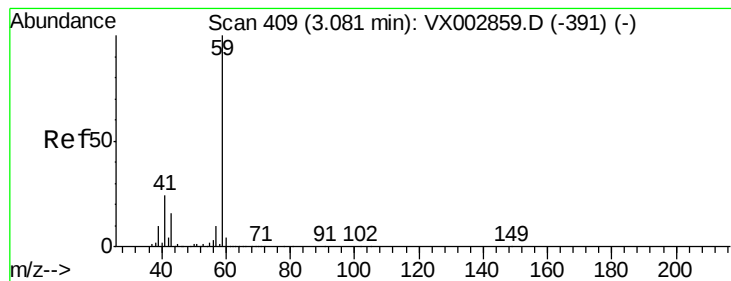
Ion Ratio Lower Upper

142 100

127 49.0 36.6 55.0

141 15.1 11.3 16.9



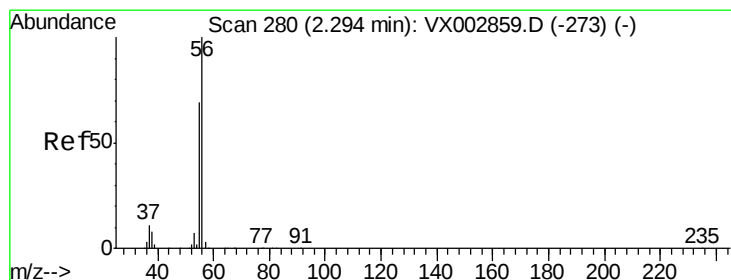
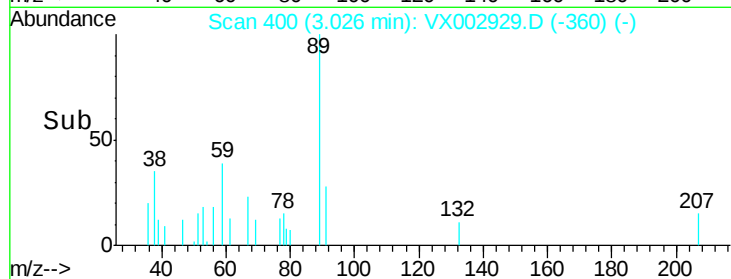
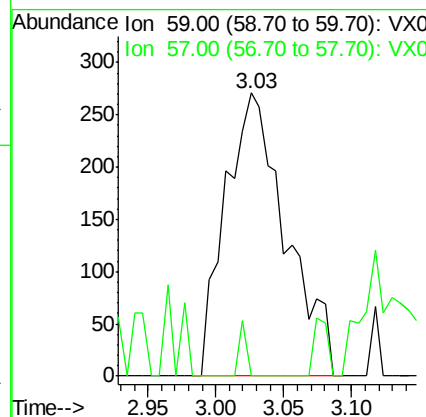
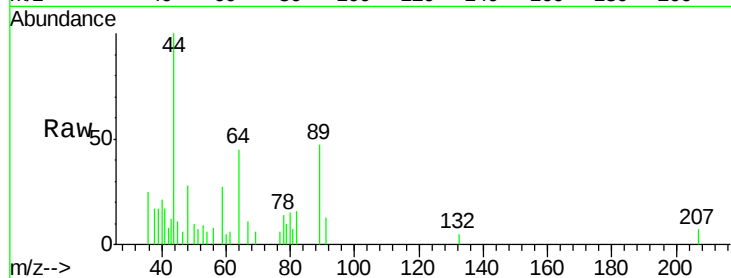


#11

Tert butyl alcohol
 Concen: 1.23 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Instrument :
 MSVOA_X
 ClientSampled :

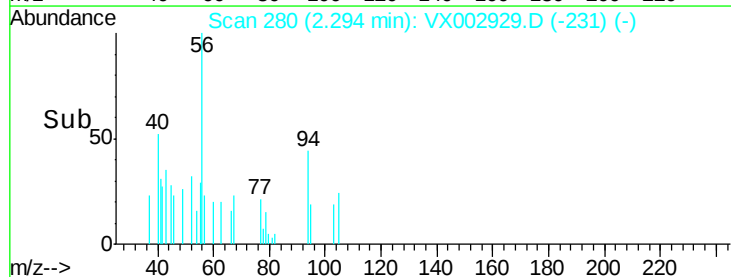
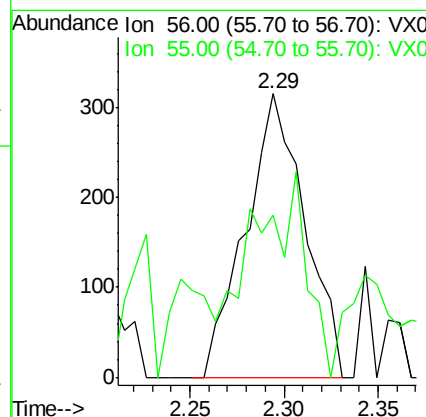
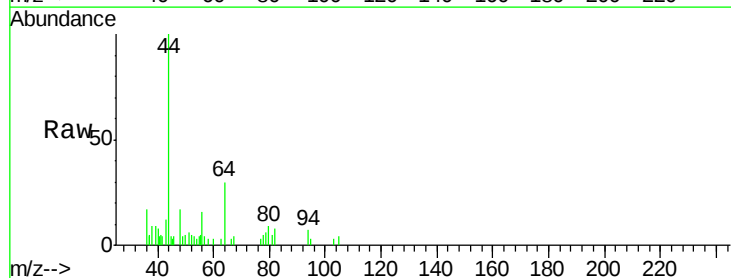
Tot Ion: 59 Resp: 842
 Ion Ratio Lower Upper
 59 100
 57 2.3 8.2 12.2#

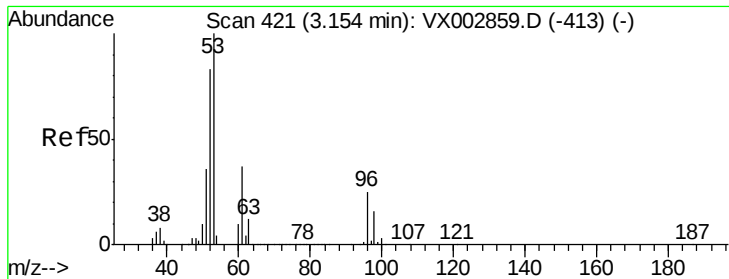


#13

Acrolein
 Concen: 6.00 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Tgt Ion: 56 Resp: 685
 Ion Ratio Lower Upper
 56 100
 55 67.2 57.0 85.4





#15

Acrylonitrile

Concen: 0.70 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

ClientSampled :

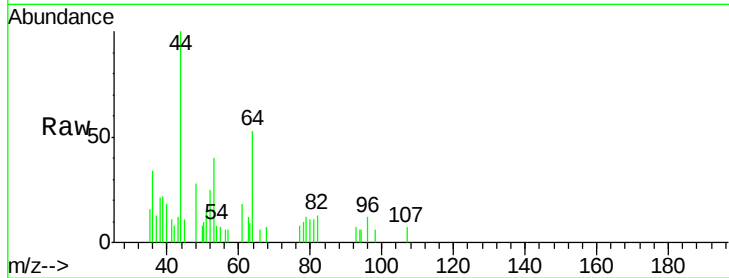
Tot Ion: 53 Resp: 1018

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

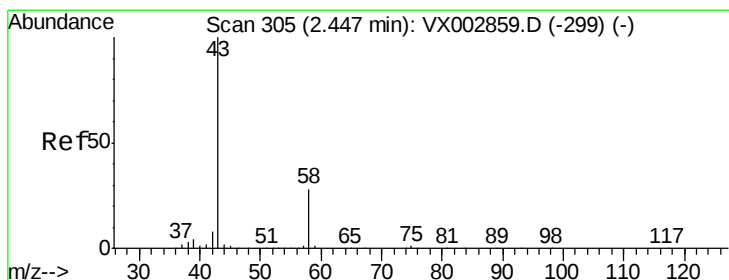
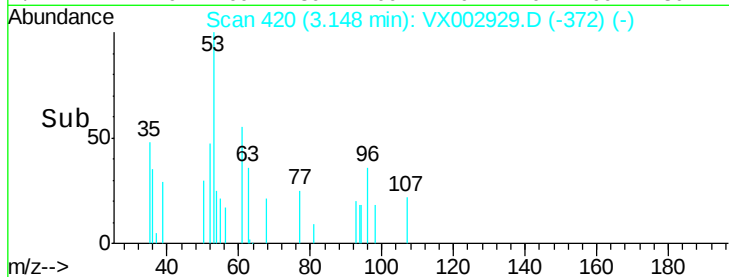
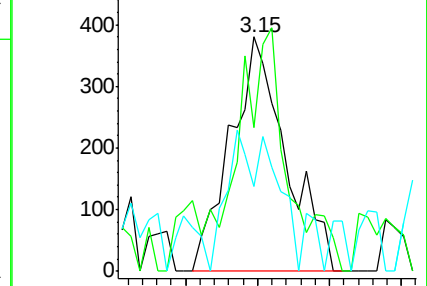
51 28.4 29.9 44.9#



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: 0.45 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002929.D

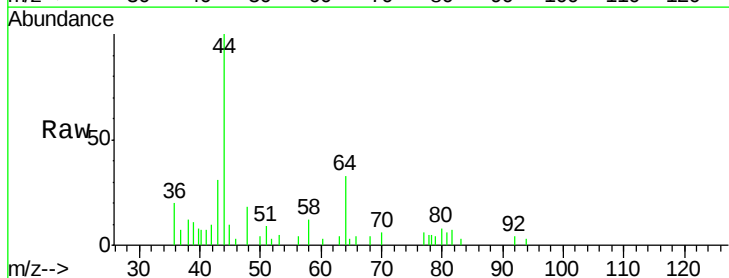
Acq: 27 Jun 2018 11:38

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

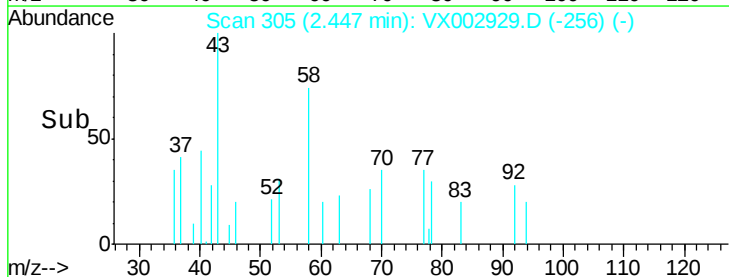
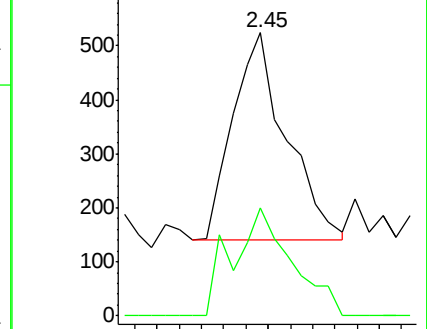
43 100

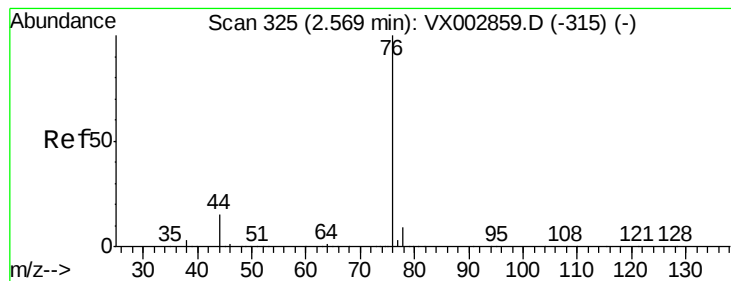
58 52.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.41 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

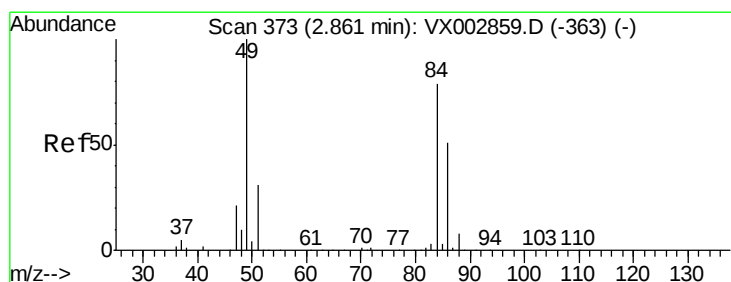
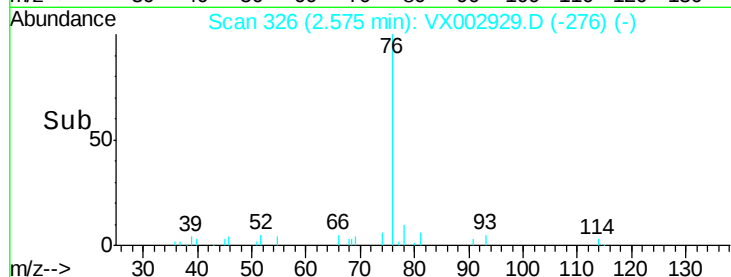
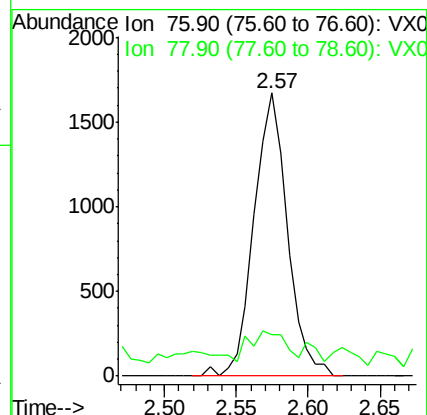
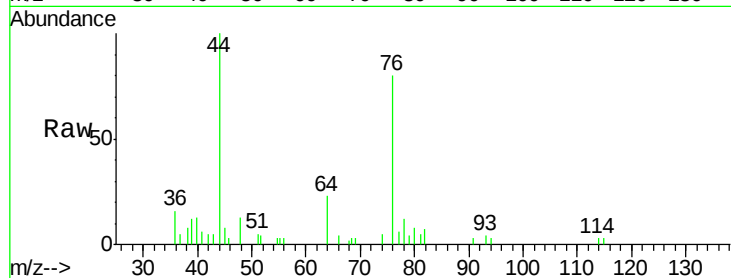
ClientSampleId :

Tot Ion: 76 Resp: 2675

Ion Ratio Lower Upper

76 100

78 5.7 6.9 10.3#



#20

Methylene Chloride

Concen: 0.31 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Tgt Ion: 84 Resp: 863

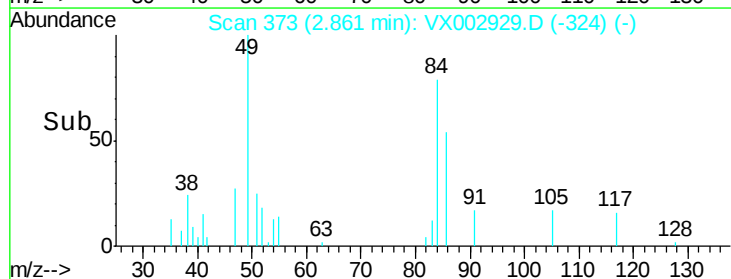
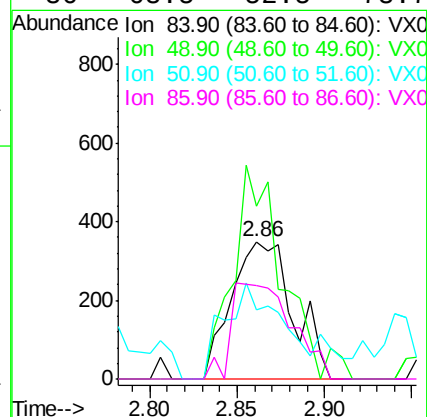
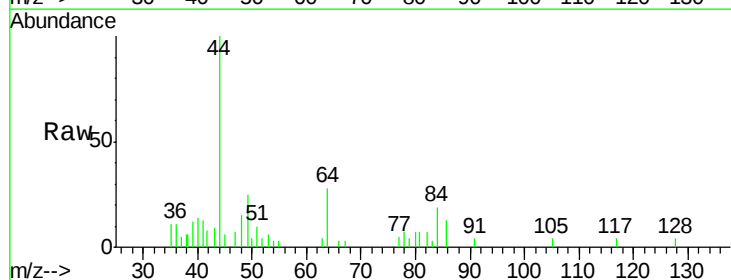
Ion Ratio Lower Upper

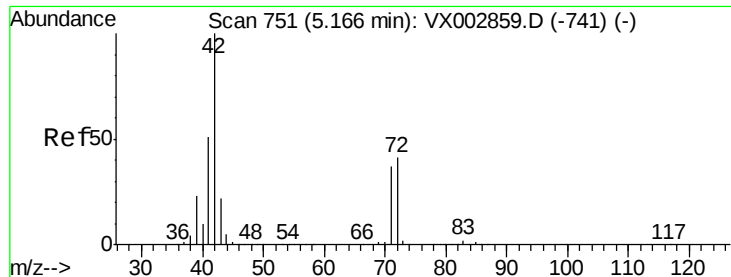
84 100

49 126.4 107.8 161.6

51 50.7 32.8 49.2#

86 68.5 52.5 78.7

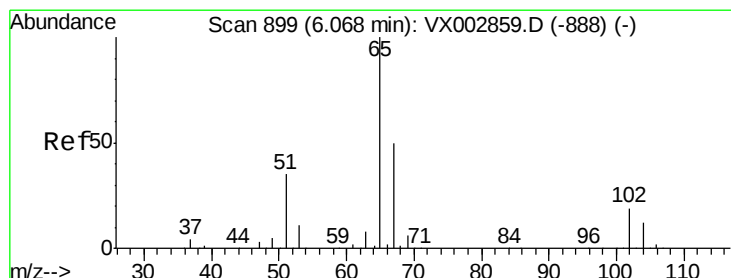
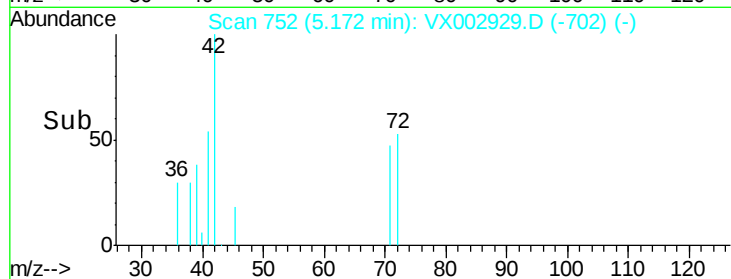
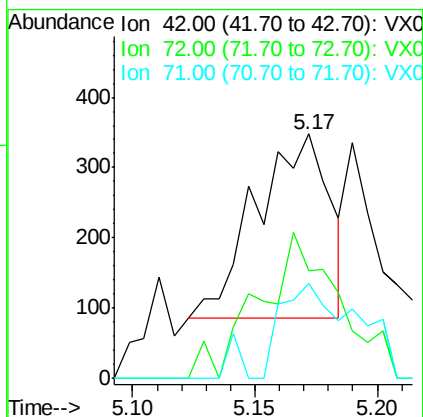
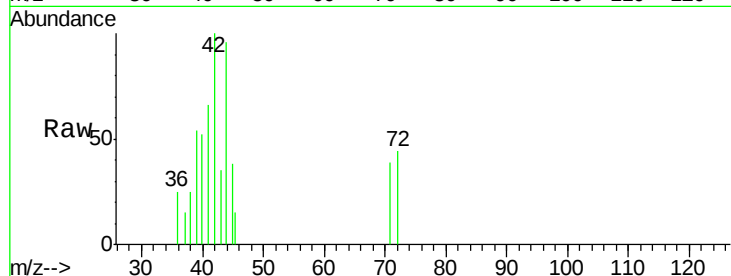




#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002929.D
Acq: 27 Jun 2018 11:38

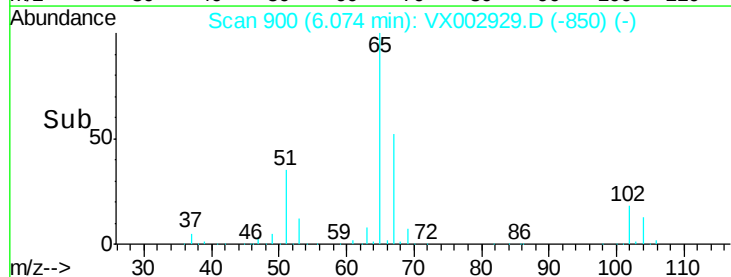
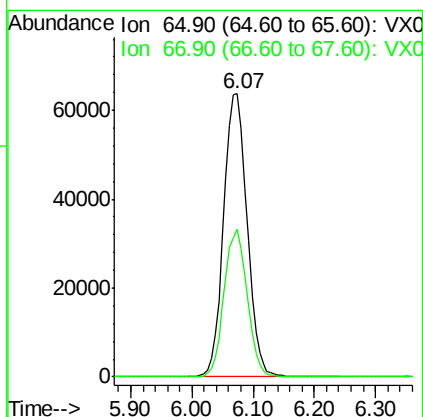
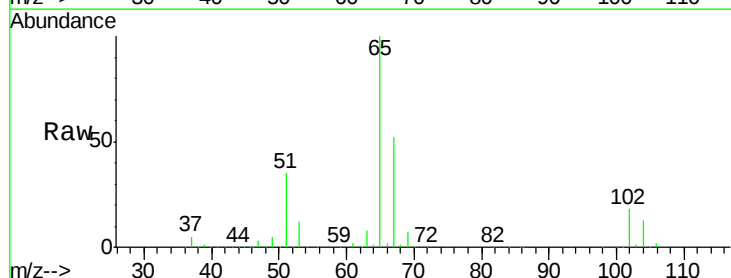
Instrument :
MSVOA_X
ClientSampleId :

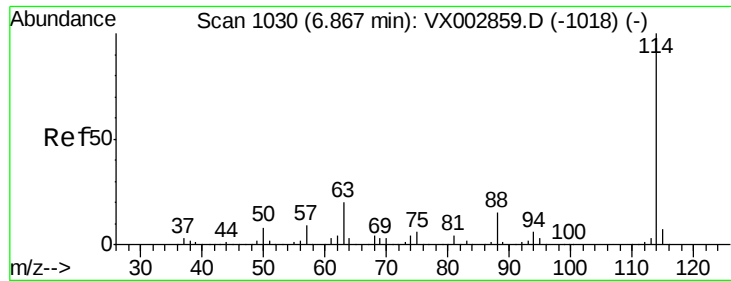
Tot Ion: 42 Resp: 551
Ion Ratio Lower Upper
42 100
72 84.8 32.0 48.0#
71 52.6 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 49.10 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002929.D
Acq: 27 Jun 2018 11:38

Tgt Ion: 65 Resp: 168686
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.6

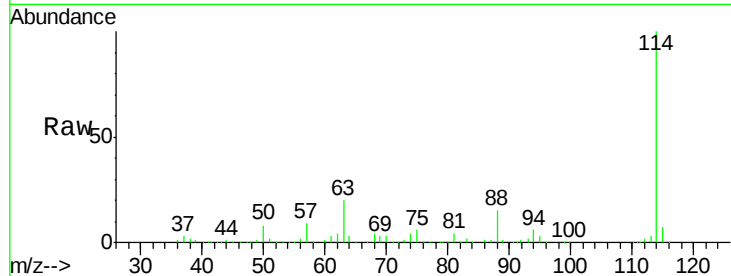




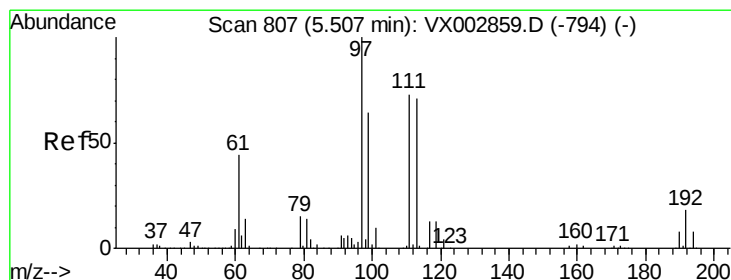
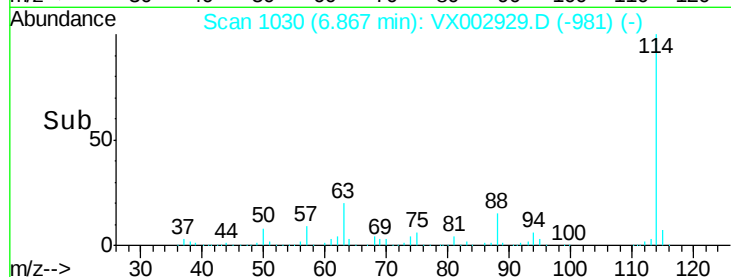
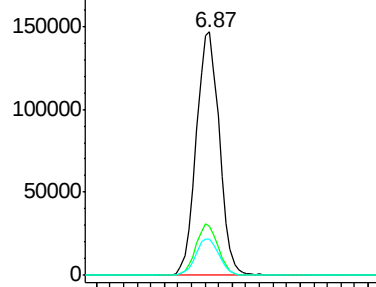
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 346691
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.1 0.0 30.0

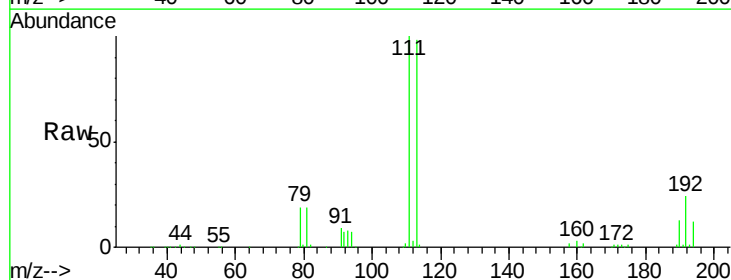


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

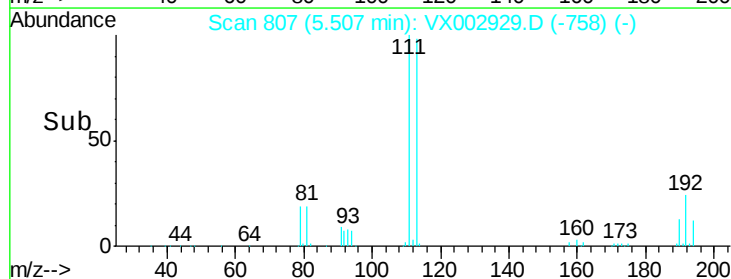
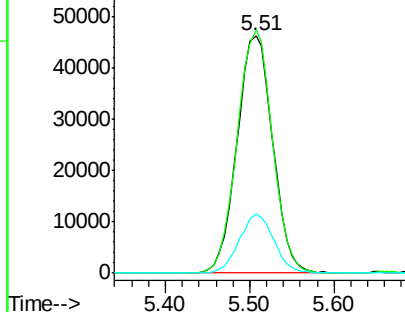


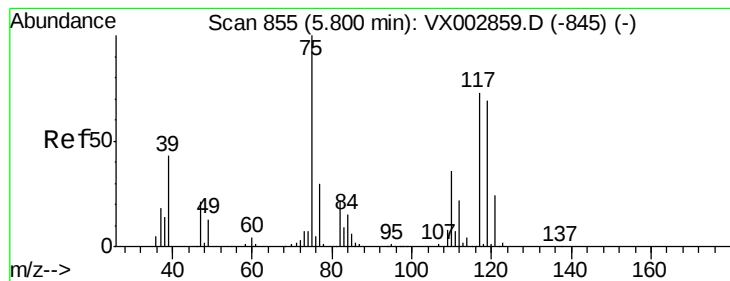
#35
 Dibromofluoromethane
 Concen: 48.25 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Tgt Ion:113 Resp: 132465
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 24.2 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: 4.33 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

ClientSampleId :

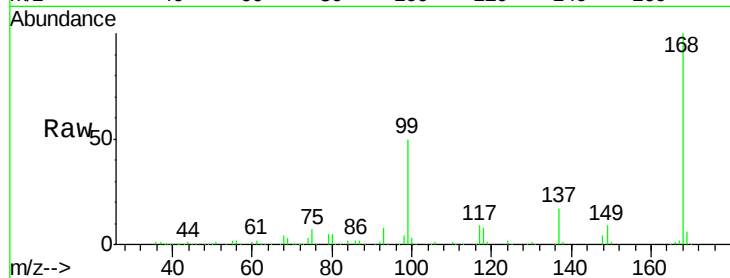
Tot Ion: 75 Resp: 16461

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

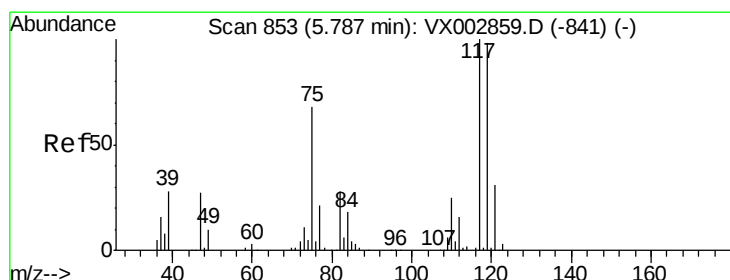
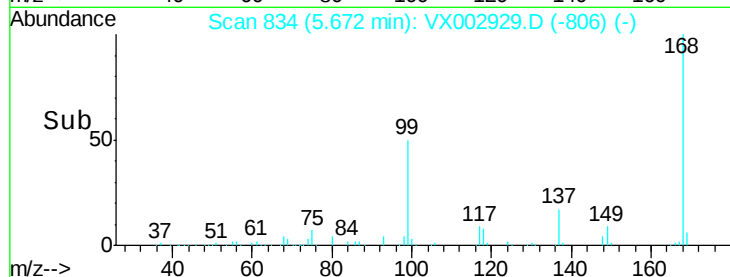
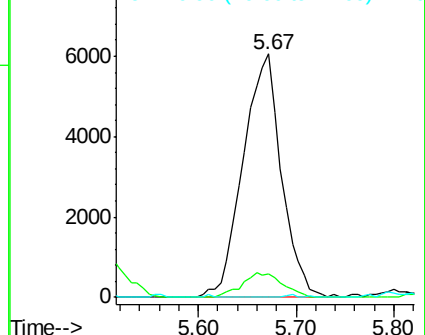
77 0.0 24.3 36.5#



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: 5.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

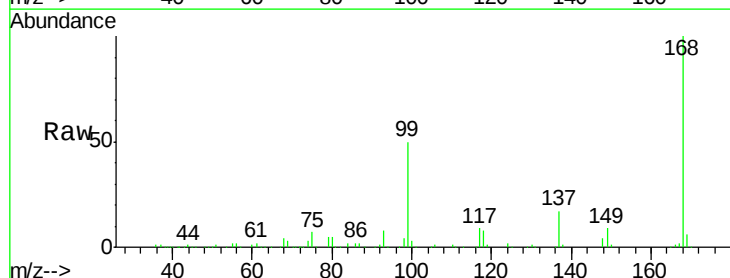
Tgt Ion:117 Resp: 22478

Ion Ratio Lower Upper

117 100

119 5.5 77.4 116.0#

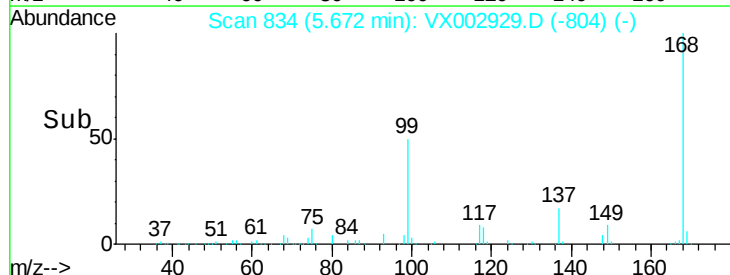
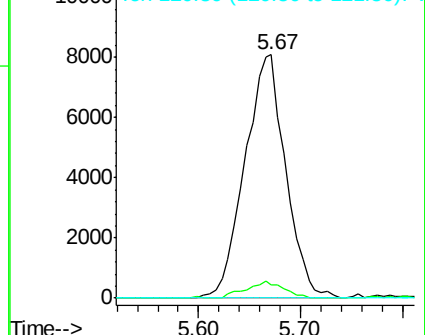
121 0.0 24.4 36.6#

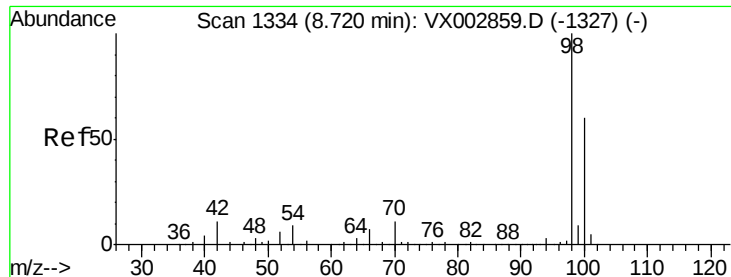


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.47 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

Instrument :

MSVOA_X

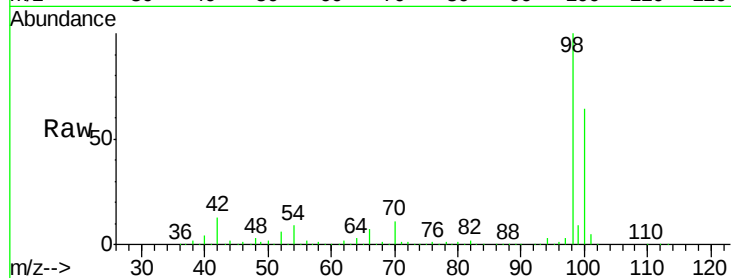
ClientSampleId :

Tot Ion: 98 Resp: 485965

Ion Ratio Lower Upper

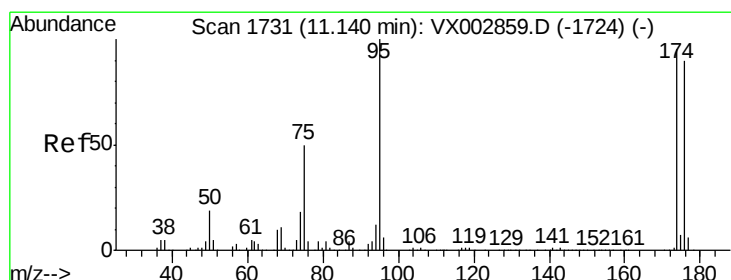
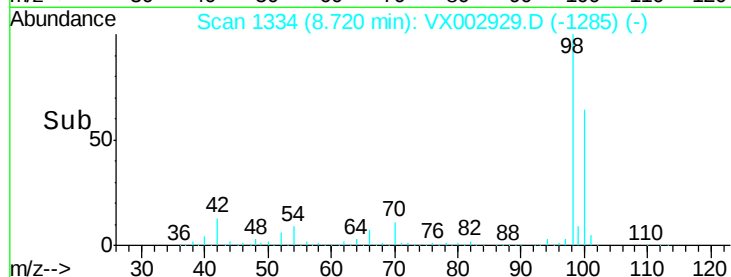
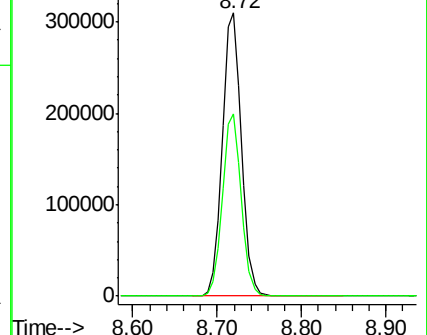
98 100

100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002929.D

Acq: 27 Jun 2018 11:38

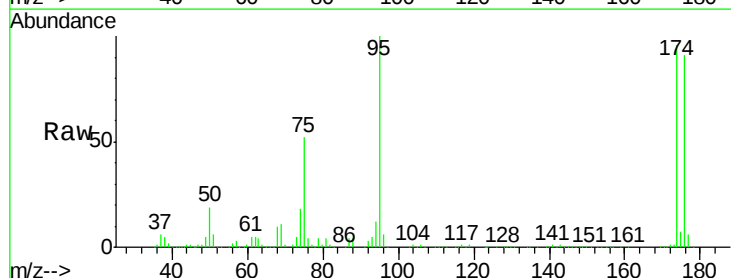
Tgt Ion: 95 Resp: 166089

Ion Ratio Lower Upper

95 100

174 96.6 0.0 187.4

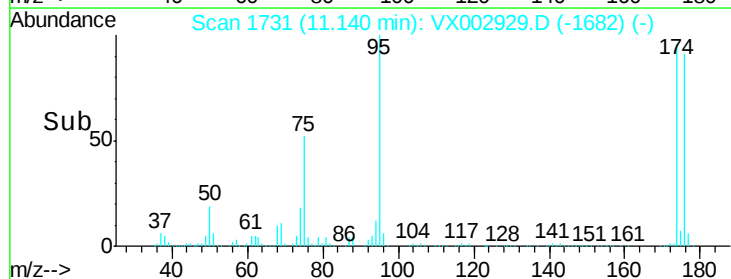
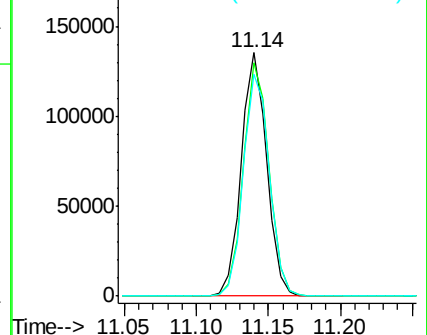
176 93.7 0.0 181.0

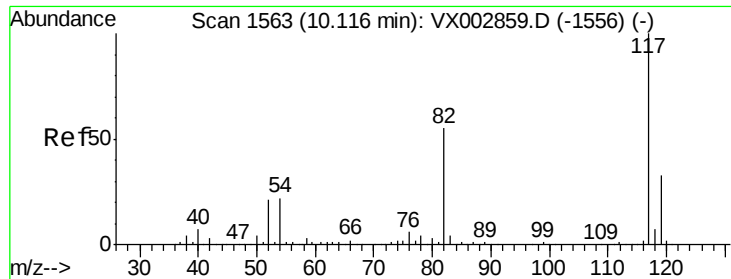


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

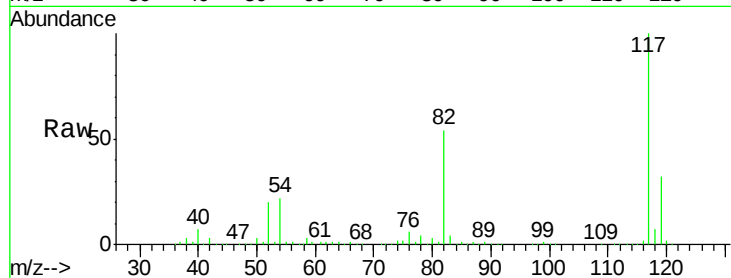




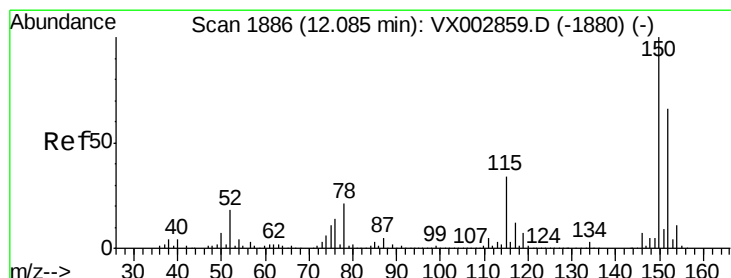
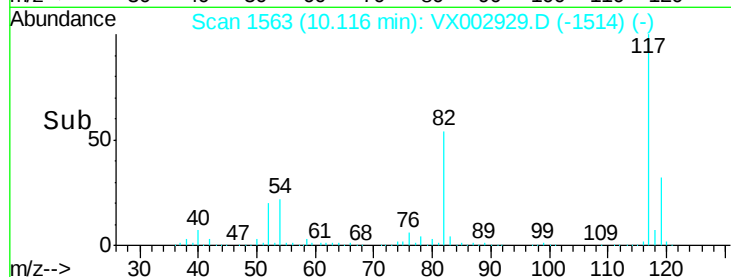
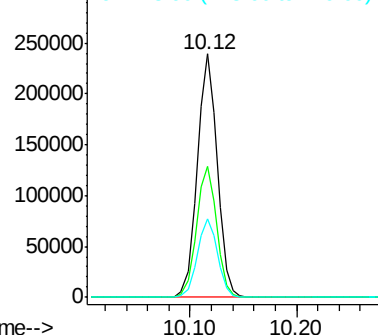
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002929.D
Acq: 27 Jun 2018 11:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 314412
Ion Ratio Lower Upper
117 100
82 53.7 45.0 67.4
119 32.0 25.8 38.6

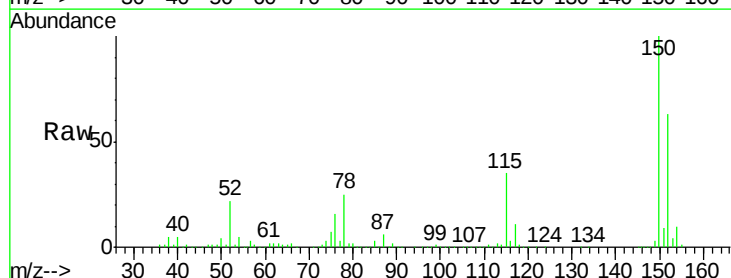


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

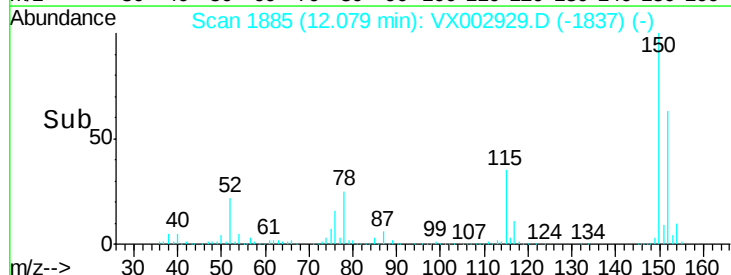
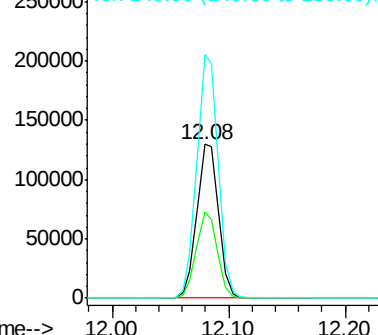


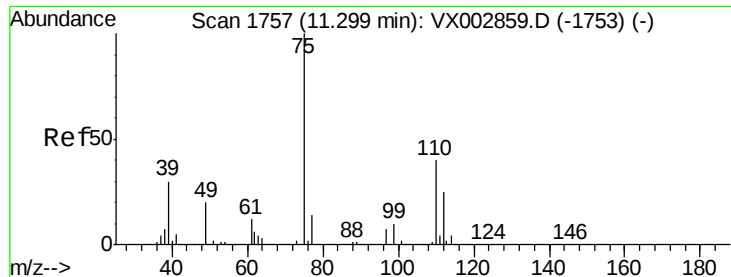
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX002929.D
Acq: 27 Jun 2018 11:38

Tgt Ion:152 Resp: 166553
Ion Ratio Lower Upper
152 100
115 54.6 40.1 120.2
150 156.1 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

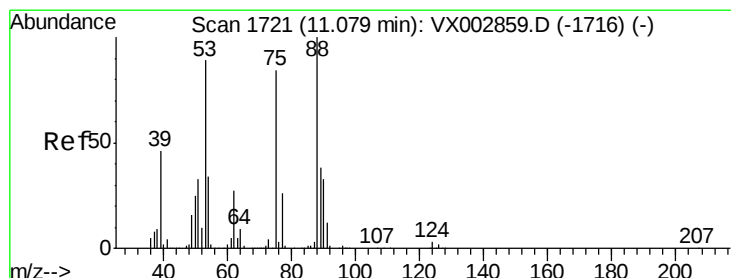
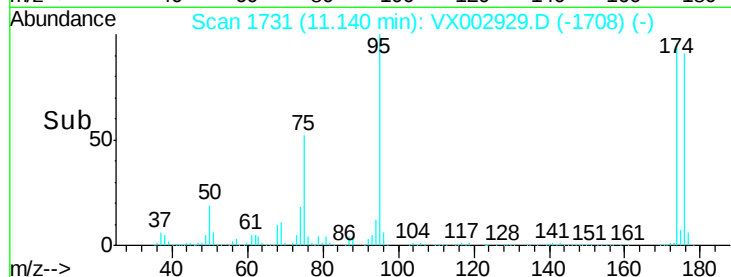
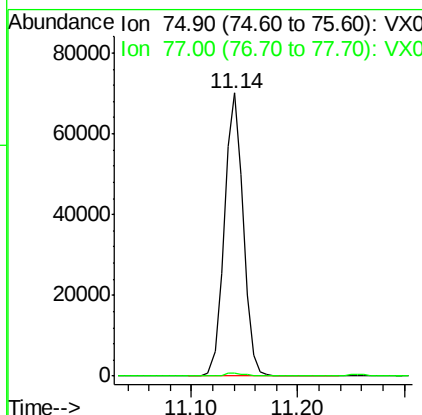
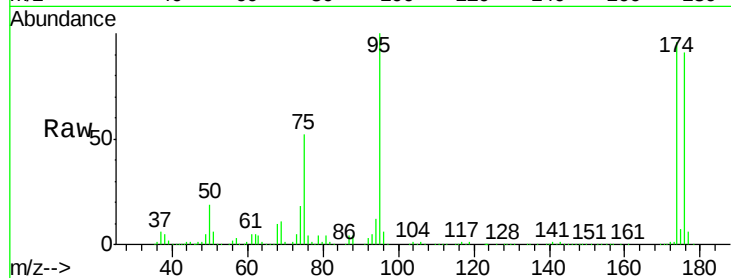




#76
 1,2,3-Trichloropropane
 Concen: 28.80 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

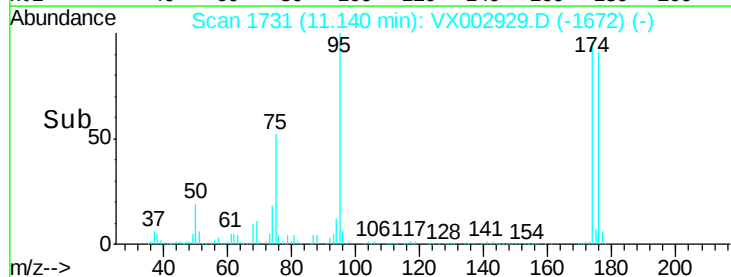
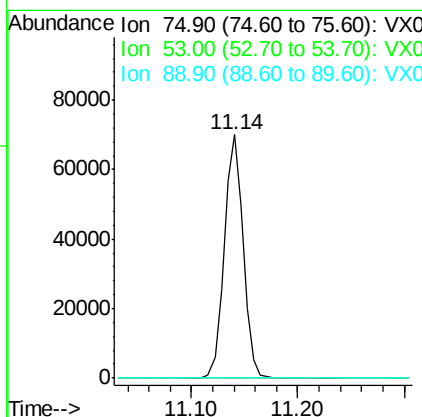
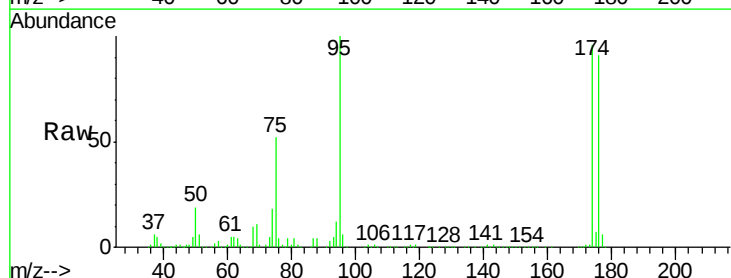
Instrument :
 MSVOA_X
 ClientSampleId :

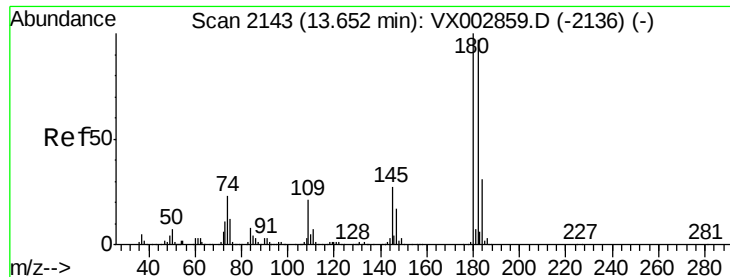
Tot Ion: 75 Resp: 86901
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Tgt Ion: 75 Resp: 86901
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

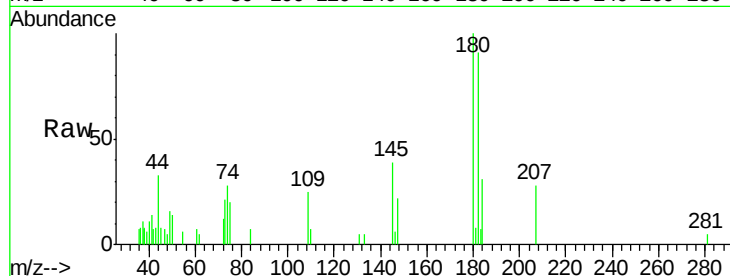




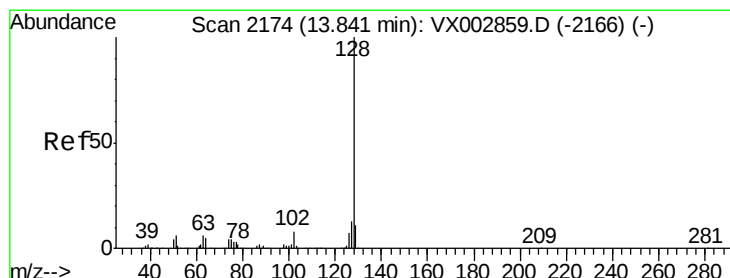
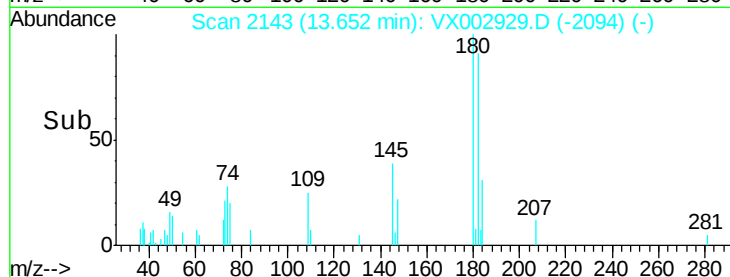
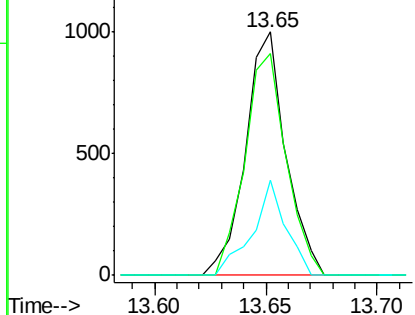
#93
 1,2,4-Trichlorobenzene
 Concen: 0.30 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 1265
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.7 143.1
 145 31.9 14.1 42.4

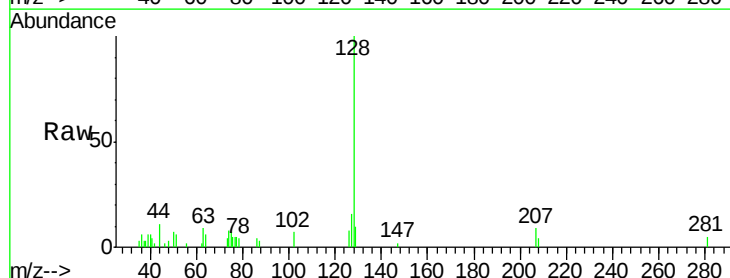


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

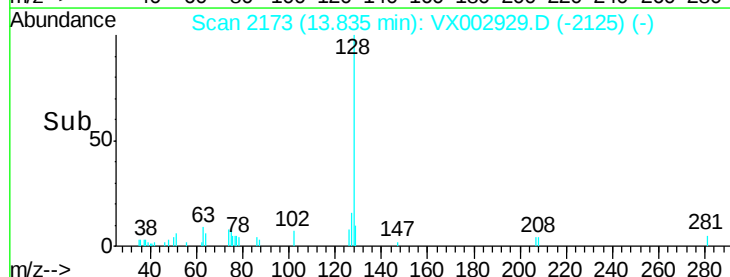
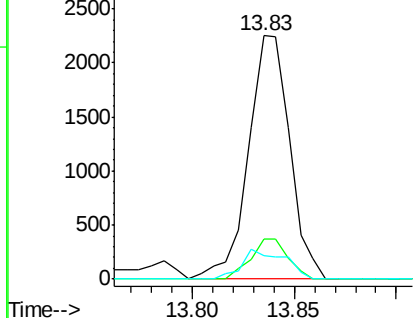


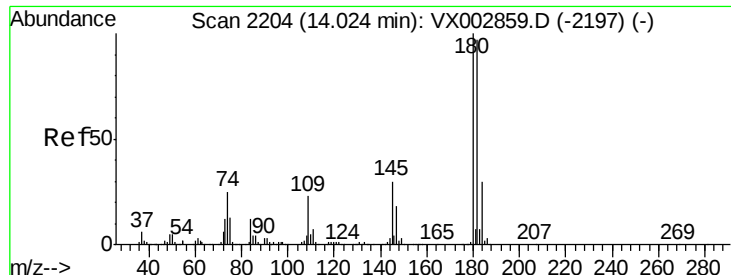
#95
 Naphthalene
 Concen: 0.28 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Tgt Ion:128 Resp: 3181
 Ion Ratio Lower Upper
 128 100
 127 14.9 10.4 15.6
 129 12.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.28 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002929.D
 Acq: 27 Jun 2018 11:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	48.0	144.0
145	34.8	14.8	44.3

