

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX072318\
 Data File : VX003594.D
 Acq On : 23 Jul 2018 10:44
 Operator : JC/SP
 Sample : J4026-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

Quant Time: Jul 24 01:39:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	371966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203588	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	159982	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	5.51	113	146304	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	8.72	98	562588	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	189914	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

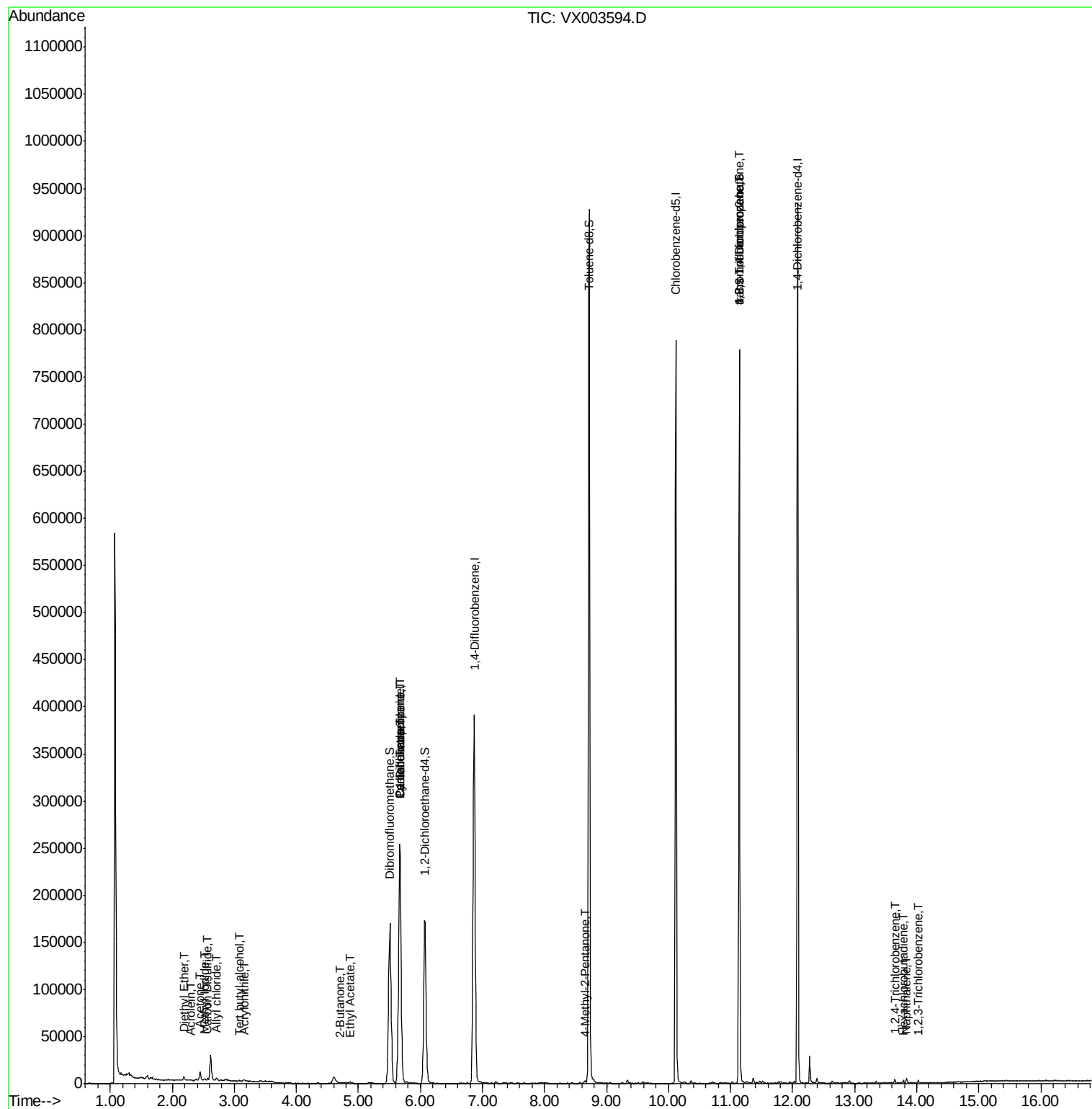
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	116	Below Cal	#	43
3) Chloromethane	1.32	50	815	Below Cal		93
5) Bromomethane	1.65	94	1638	Below Cal		90
8) Diethyl Ether	2.19	74	1289	0.627	ug/l	92
10) Methyl Iodide	2.52	142	2463	0.654	ug/l	89
11) Tert butyl alcohol	3.07	59	1361	2.057	ug/l #	81
13) Acrolein	2.29	56	158	0.528	ug/l #	56
14) Allyl chloride	2.71	41	3000	0.587	ug/l #	38
15) Acrylonitrile	3.15	53	1108	0.658	ug/l #	84
16) Acetone	2.45	43	8689	6.879	ug/l #	88
17) Carbon Disulfide	2.57	76	2030	0.258	ug/l #	89
20) Methylene Chloride	2.86	84	310	Below Cal	#	83
25) 2-Butanone	4.70	43	1339	0.632	ug/l	95
31) Cyclohexane	5.67	56	4271	0.848	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15833	3.616	ug/l #	49
37) Ethyl Acetate	4.87	43	2639	0.637	ug/l #	78
38) Carbon Tetrachloride	5.67	117	22637	5.270	ug/l #	17
51) 4-Methyl-2-Pentanone	8.65	43	1843	0.443	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	87738	23.989	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87738	67.274	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.65	180	1221	0.227	ug/l	96
94) Hexachlorobutadiene	13.79	225	540	0.209	ug/l	88
95) Naphthalene	13.83	128	3093	0.219	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	1167	0.219	ug/l	94

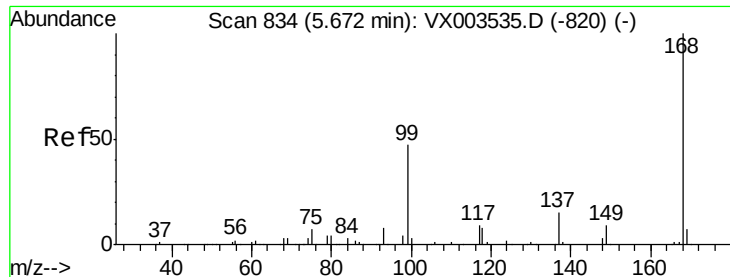
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
Data File : VX003594.D
Acq On : 23 Jul 2018 10:44
Operator : JC/SP
Sample : J4026-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LC-SD-EB01-180716

Quant Time: Jul 24 01:39:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

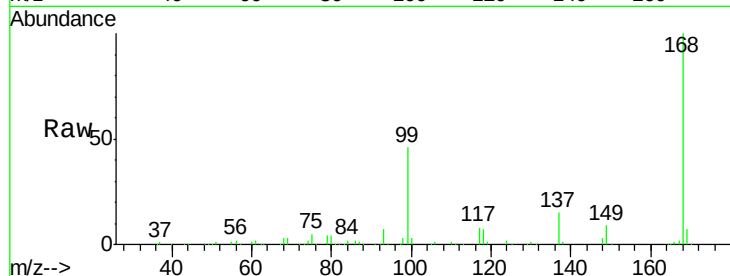
LC-SD-EB01-180716

Tgt Ion:168 Resp: 282516

Ion Ratio Lower Upper

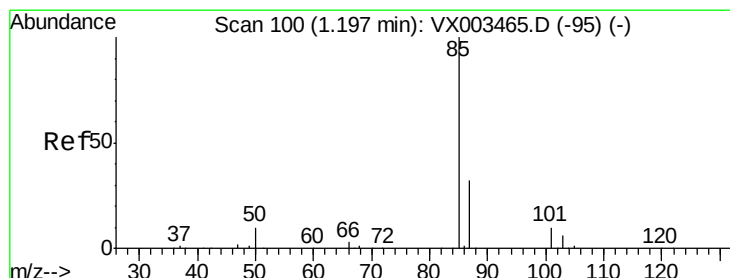
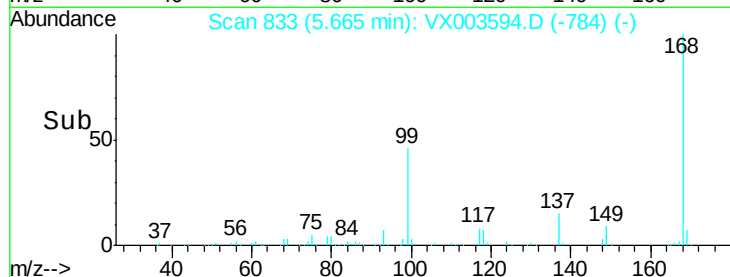
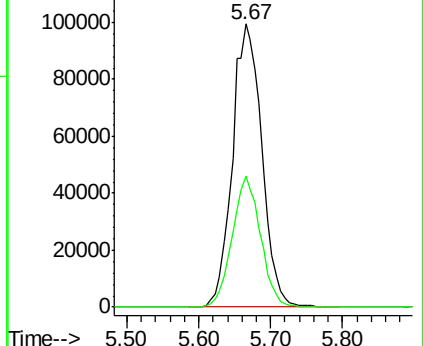
168 100

99 46.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003594.D

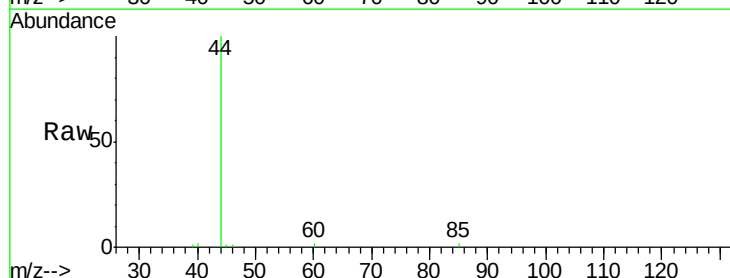
Acq: 23 Jul 2018 10:44

Tgt Ion: 85 Resp: 116

Ion Ratio Lower Upper

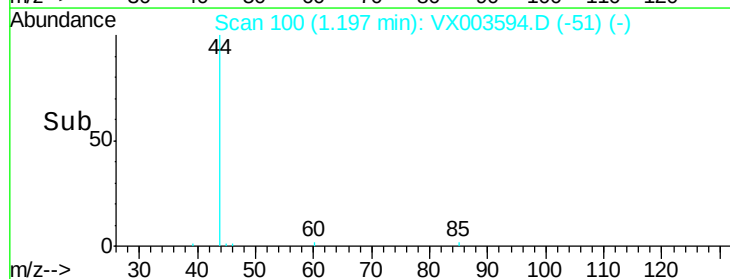
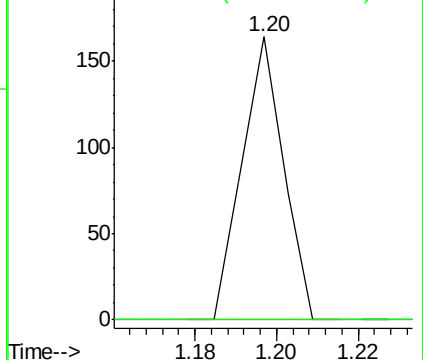
85 100

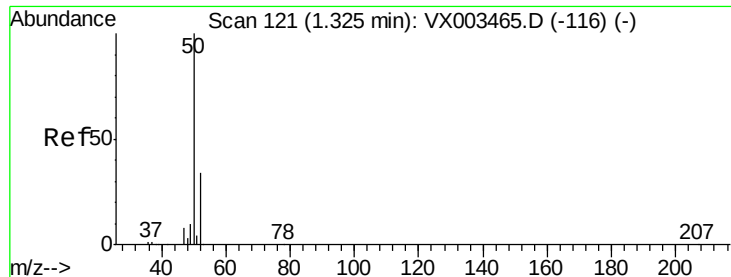
87 0.0 16.0 47.9#



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: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

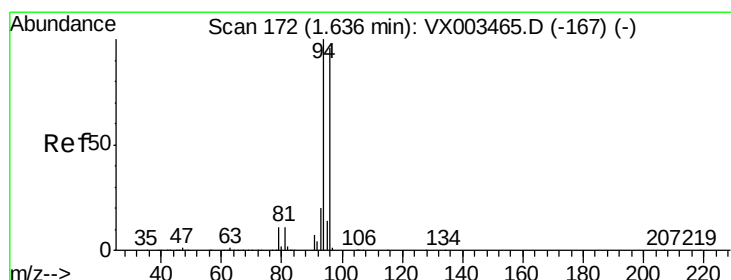
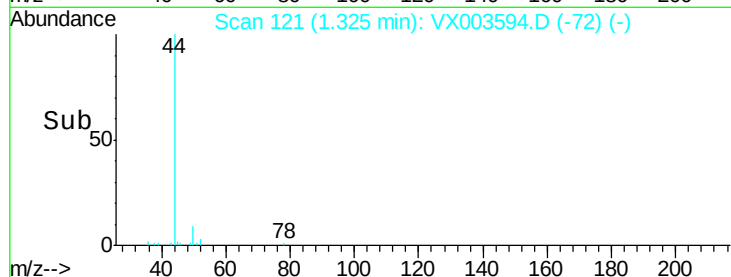
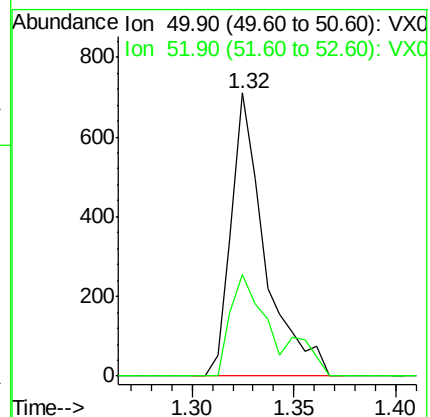
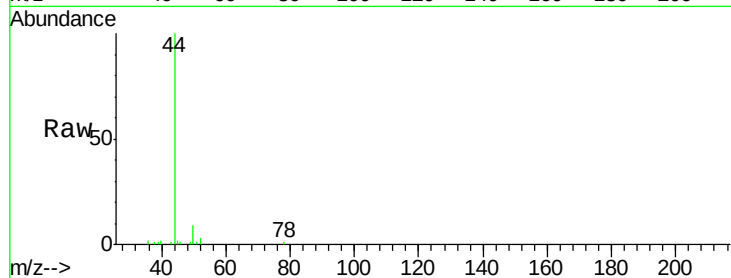
LC-SD-EB01-180716

Tgt Ion: 50 Resp: 815

Ion Ratio Lower Upper

50 100

52 36.1 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003594.D

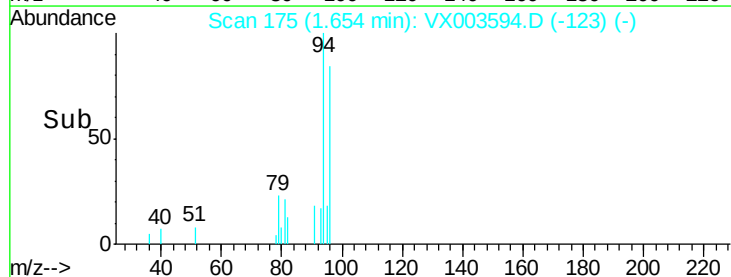
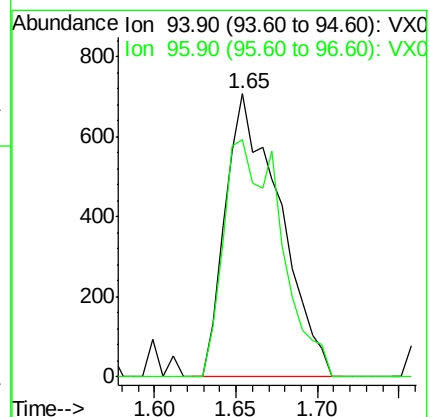
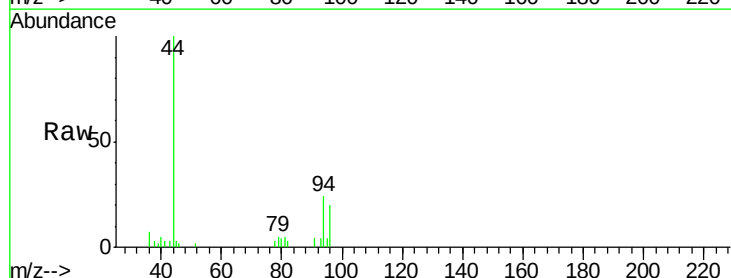
Acq: 23 Jul 2018 10:44

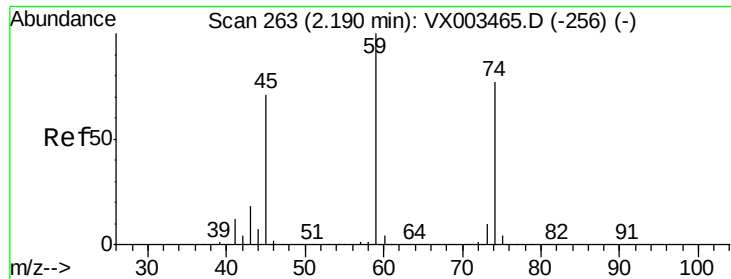
Tgt Ion: 94 Resp: 1638

Ion Ratio Lower Upper

94 100

96 83.9 74.9 112.3

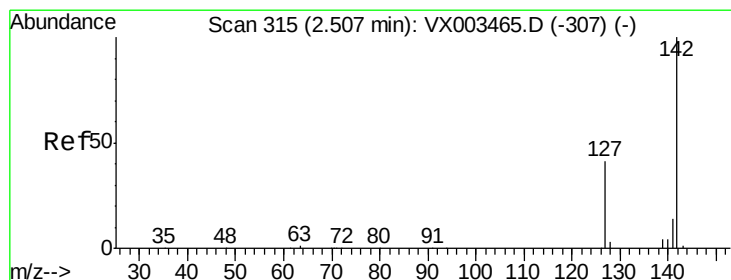
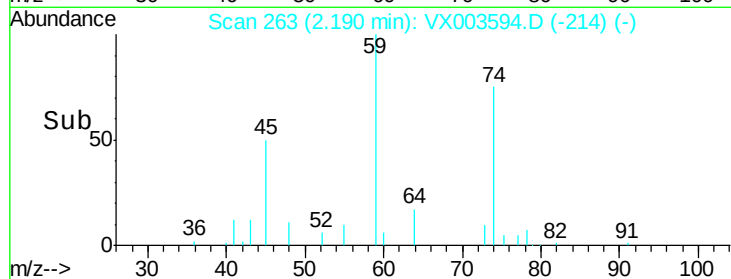
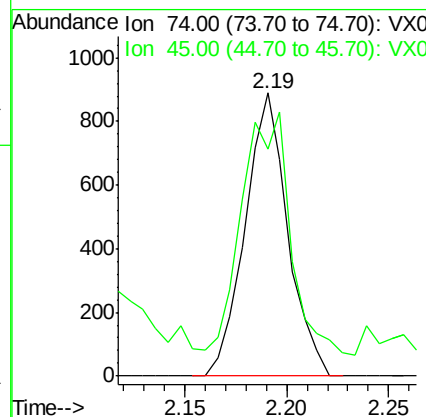
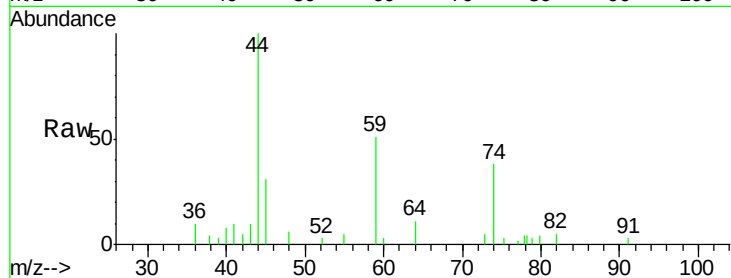




#8
 Diethyl Ether
 Concen: 0.627 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

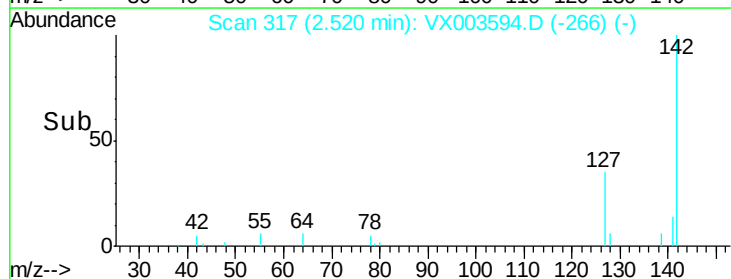
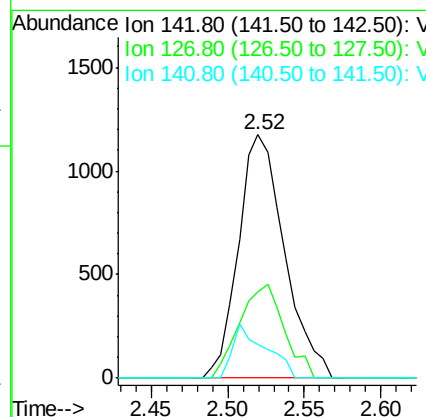
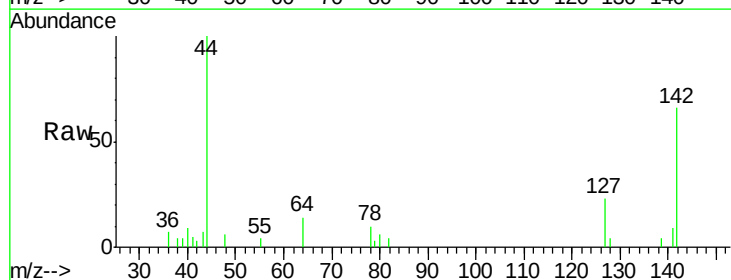
Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

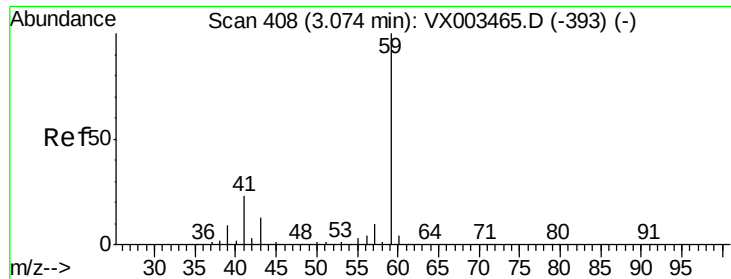
Tgt Ion: 74 Resp: 1289
 Ion Ratio Lower Upper
 74 100
 45 98.1 53.1 159.4



#10
 Methyl Iodide
 Concen: 0.654 ug/l
 RT: 2.52 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Tgt Ion: 142 Resp: 2463
 Ion Ratio Lower Upper
 142 100
 127 37.1 36.6 55.0
 141 15.7 11.3 16.9

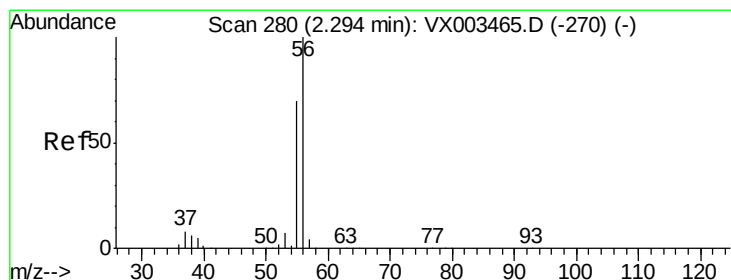
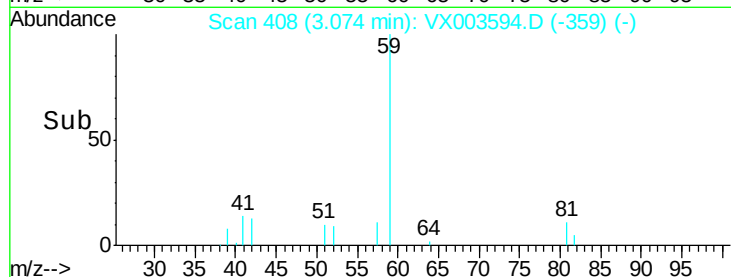
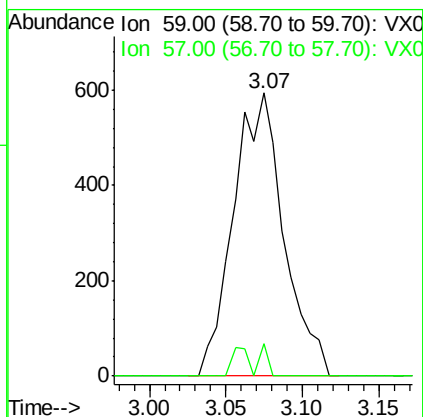
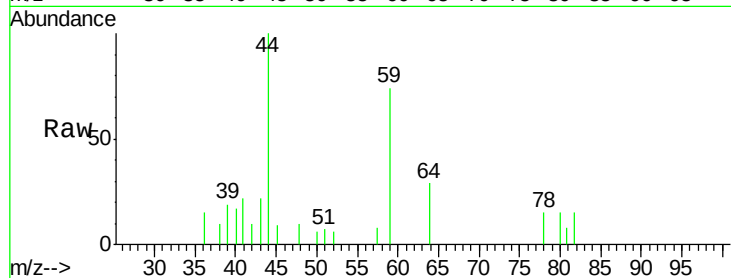




#11
Tert butyl alcohol
Concen: 2.057 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

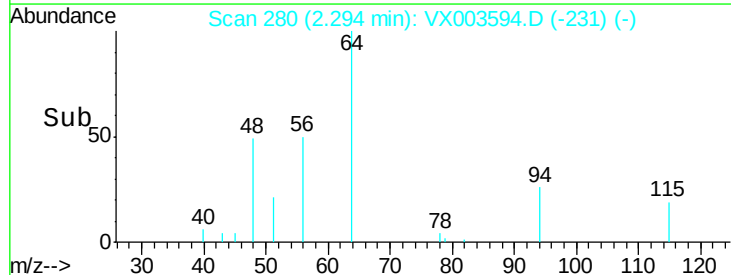
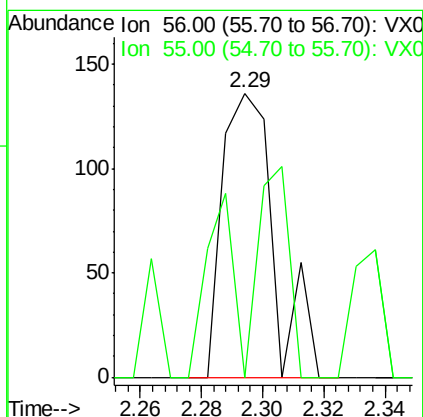
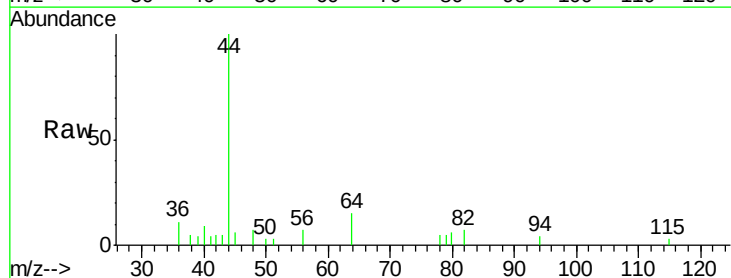
Instrument :
MSVOA_X
ClientSampleId :
LC-SD-EB01-180716

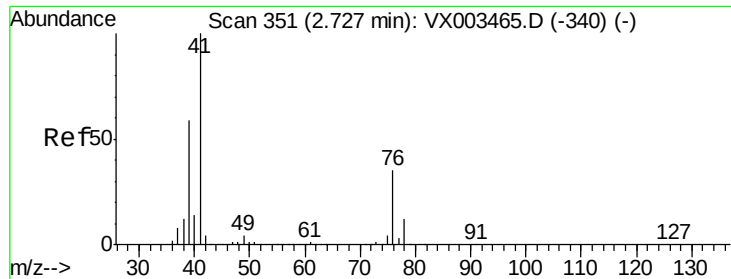
Tgt Ion: 59 Resp: 1361
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.2#



#13
Acrolein
Concen: 0.528 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 34.8 57.0 85.4#

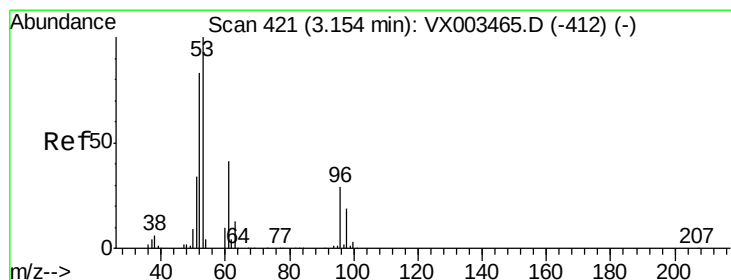
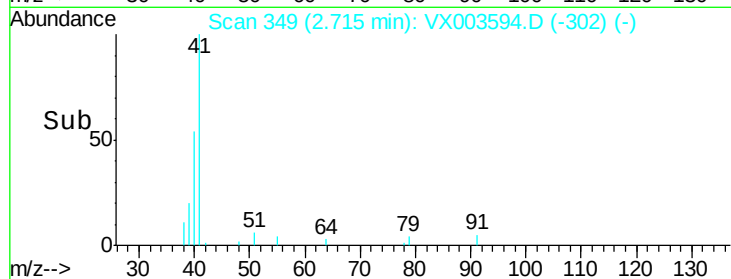
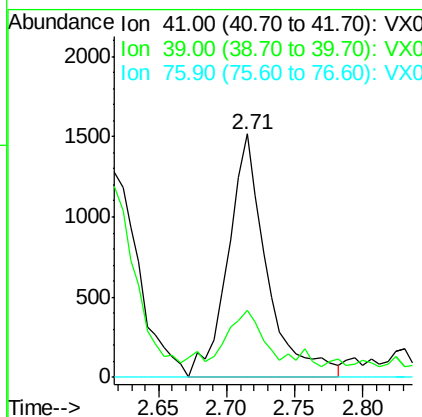
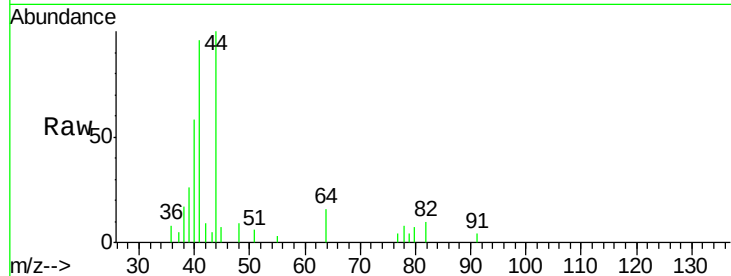




#14
 Allyl chloride
 Concen: 0.587 ug/l
 RT: 2.71 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

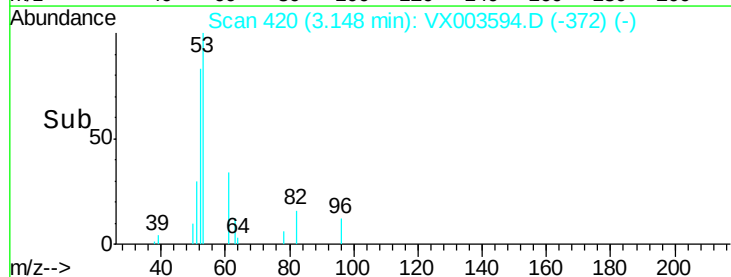
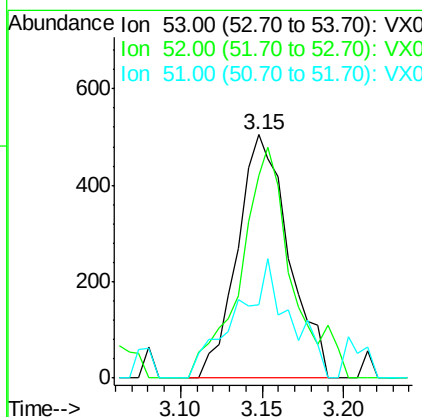
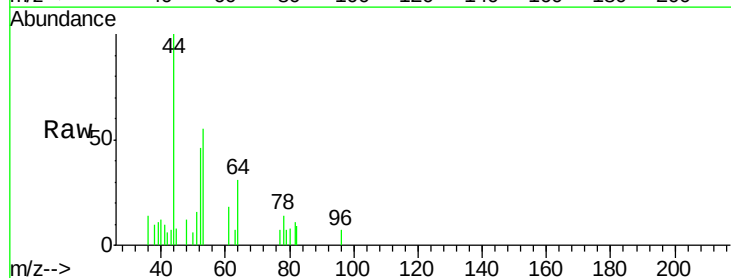
Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

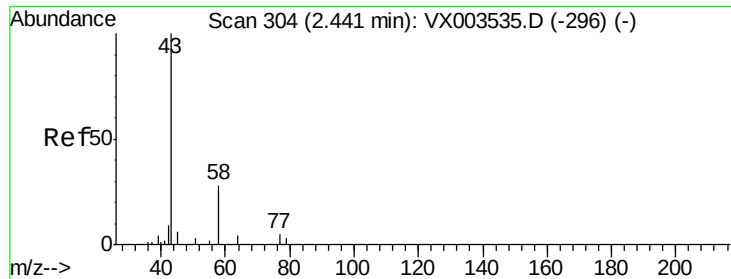
Tgt Ion: 41 Resp: 3000
 Ion Ratio Lower Upper
 41 100
 39 17.6 56.8 85.2#
 76 0.0 23.8 35.8#



#15
 Acrylonitrile
 Concen: 0.658 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Tgt Ion: 53 Resp: 1108
 Ion Ratio Lower Upper
 53 100
 52 94.5 66.7 100.1
 51 51.6 29.9 44.9#





#16

Acetone

Concen: 6.879 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

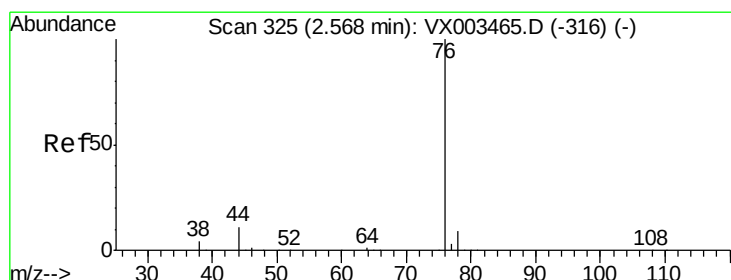
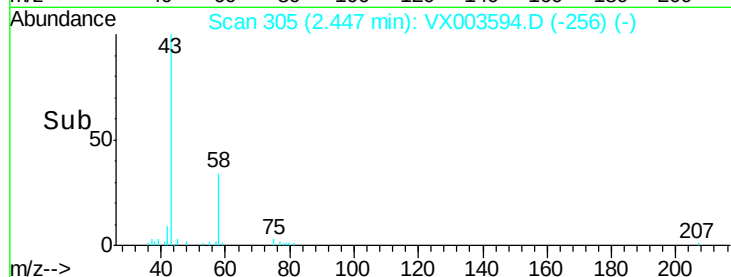
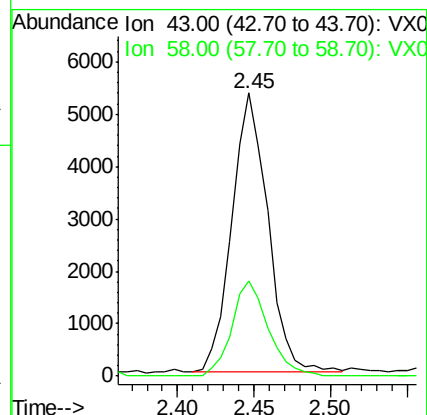
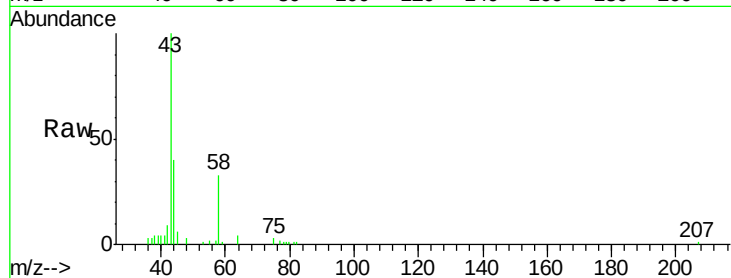
LC-SD-EB01-180716

Tgt Ion: 43 Resp: 8689

Ion Ratio Lower Upper

43 100

58 34.0 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003594.D

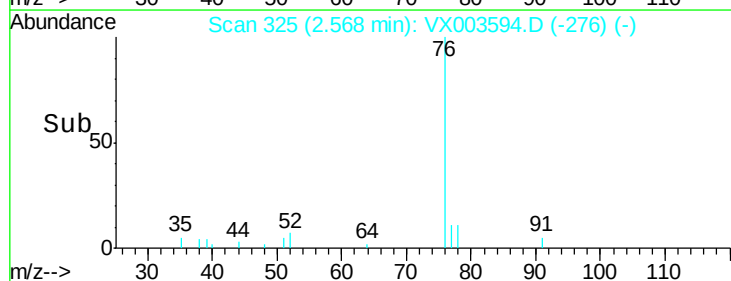
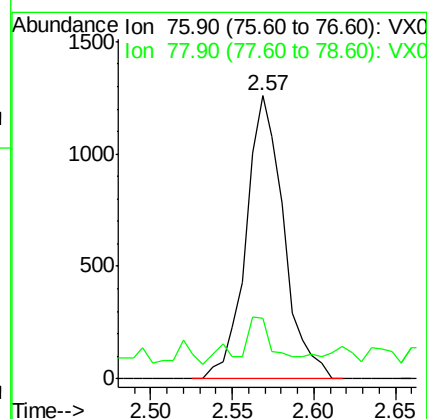
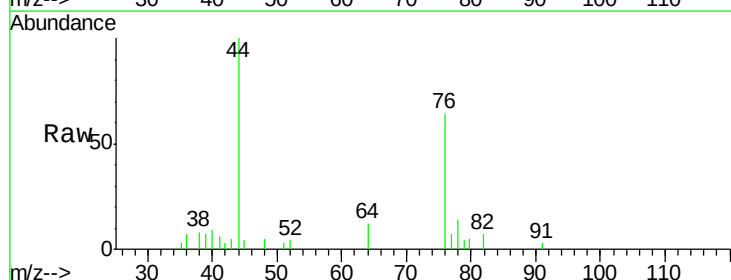
Acq: 23 Jul 2018 10:44

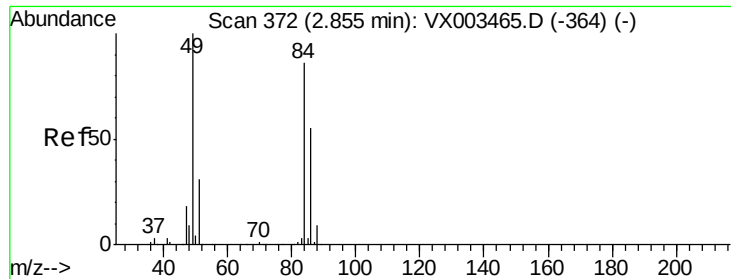
Tgt Ion: 76 Resp: 2030

Ion Ratio Lower Upper

76 100

78 12.5 6.9 10.3#

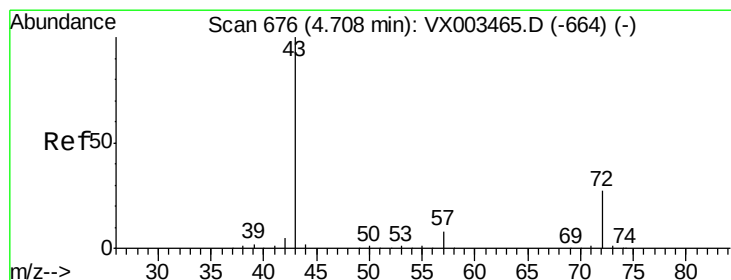
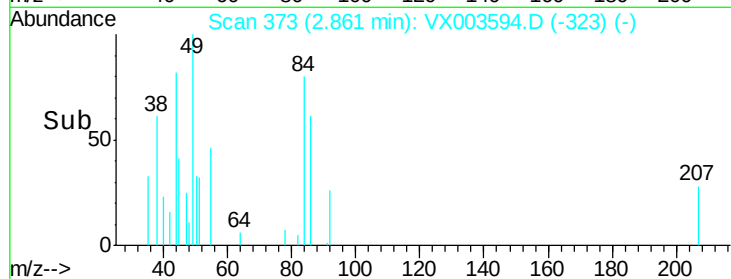
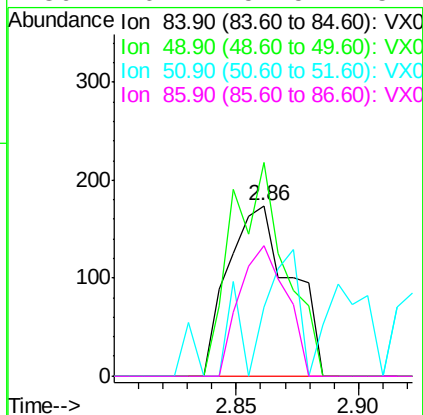
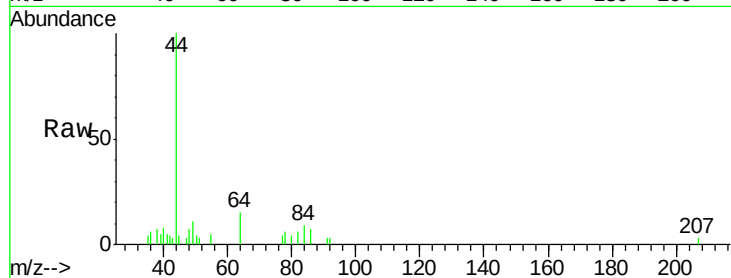




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

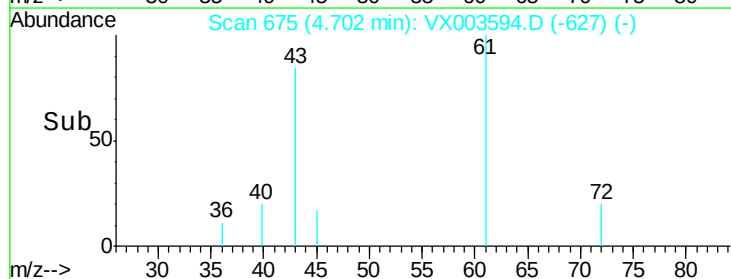
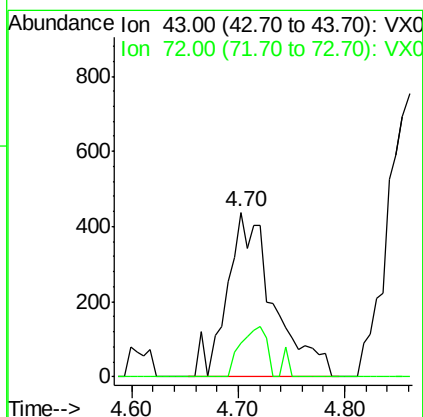
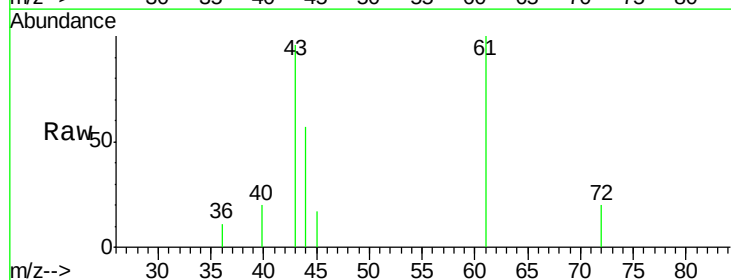
Instrument :
MSVOA_X
ClientSampleId :
LC-SD-EB01-180716

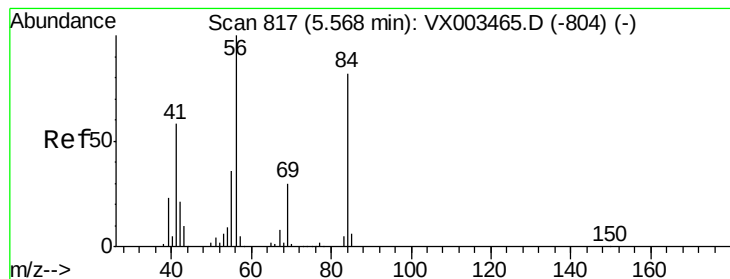
Tgt Ion: 84 Resp: 310
Ion Ratio Lower Upper
84 100
49 125.3 107.8 161.6
51 9.2 32.8 49.2#
86 76.4 52.5 78.7



#25
2-Butanone
Concen: 0.632 ug/l
RT: 4.70 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
72 20.5 18.5 27.7





#31

Cyclohexane

Concen: 0.848 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB01-180716

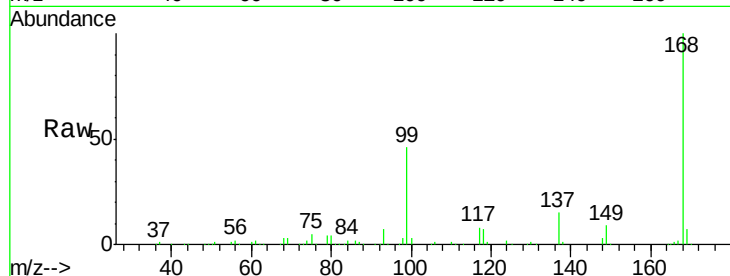
Tgt Ion: 56 Resp: 4271

Ion Ratio Lower Upper

56 100

69 164.4 23.7 35.5#

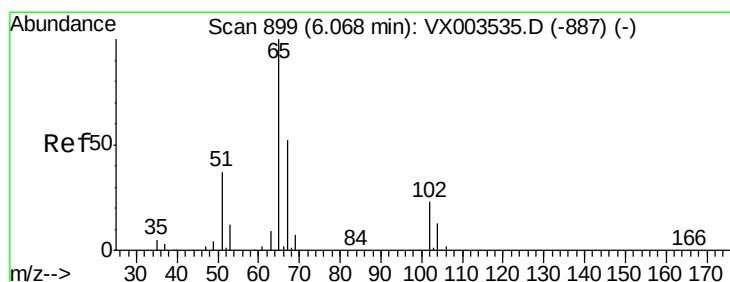
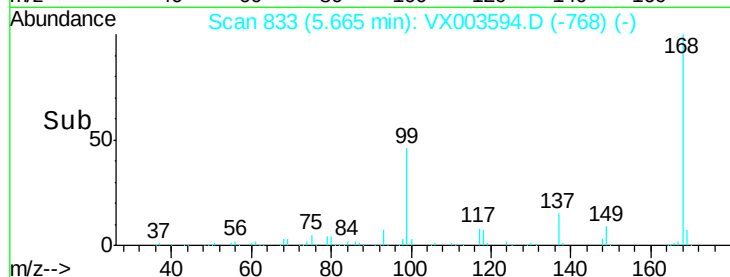
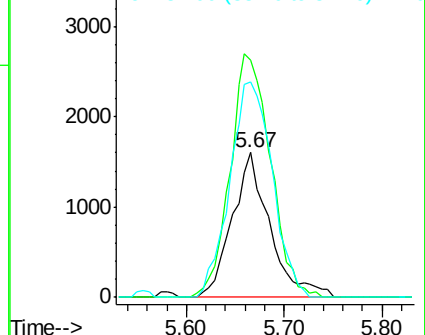
84 148.9 64.1 96.1#



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: 47.838 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003594.D

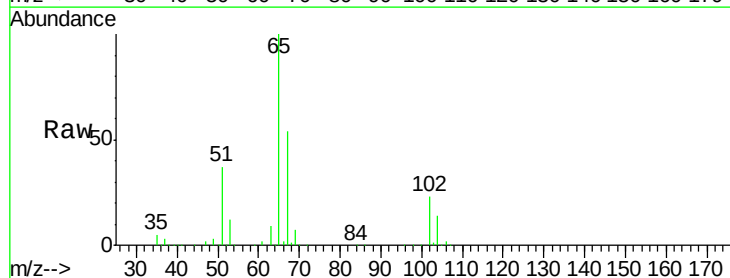
Acq: 23 Jul 2018 10:44

Tgt Ion: 65 Resp: 159982

Ion Ratio Lower Upper

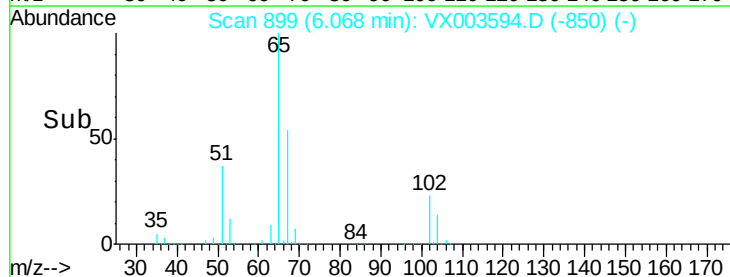
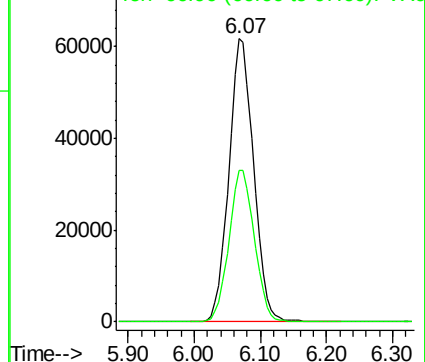
65 100

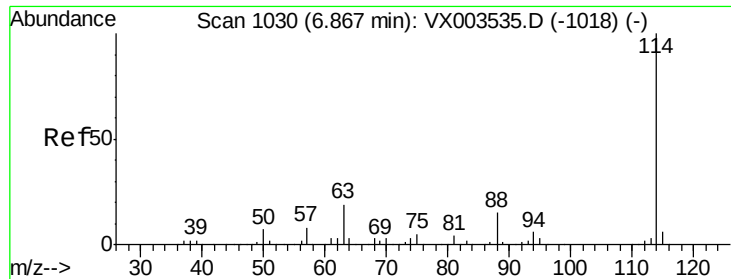
67 55.1 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB01-180716

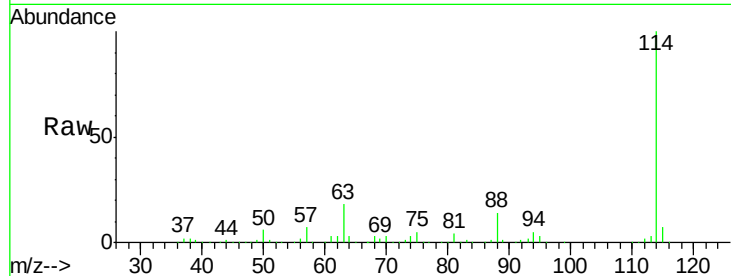
Tgt Ion:114 Resp: 405602

Ion Ratio Lower Upper

114 100

63 17.5 0.0 41.4

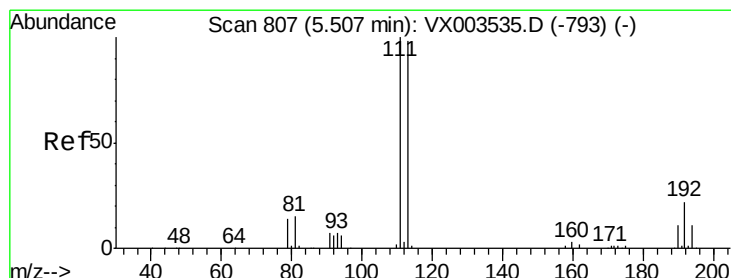
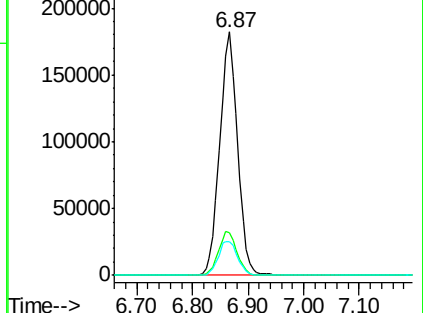
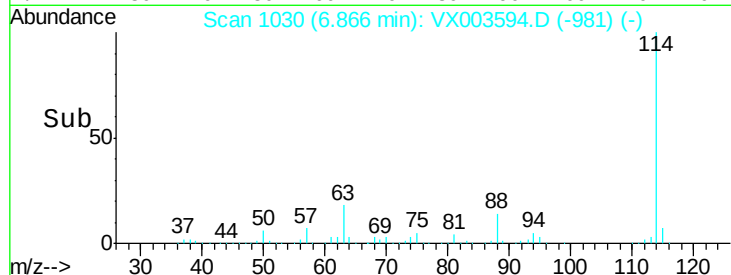
88 14.0 0.0 30.0



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: 47.357 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

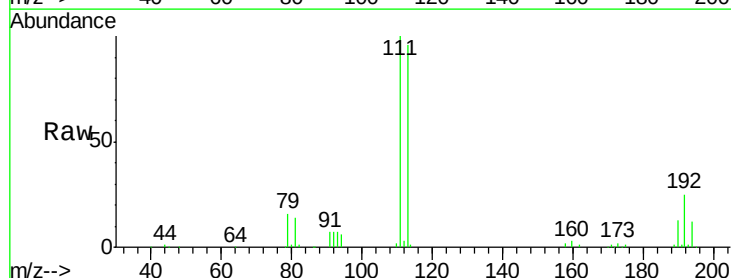
Tgt Ion:113 Resp: 146304

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

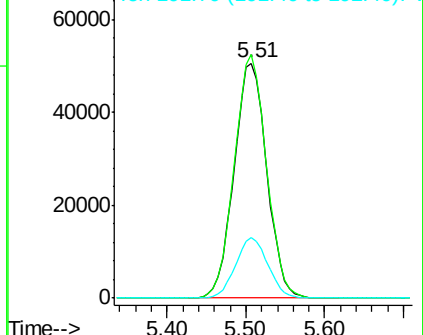
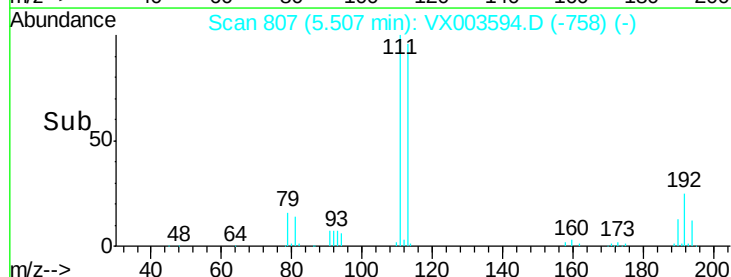
192 25.3 19.1 28.7

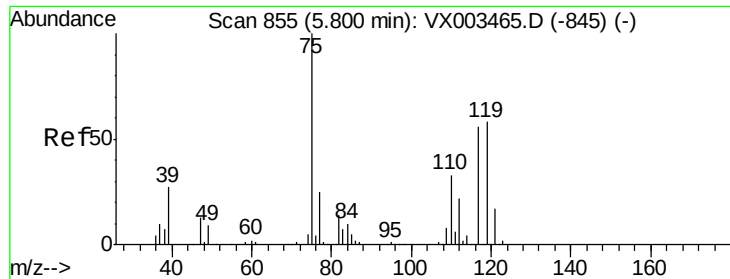


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

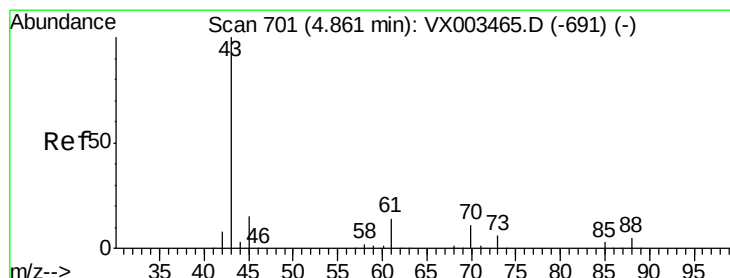
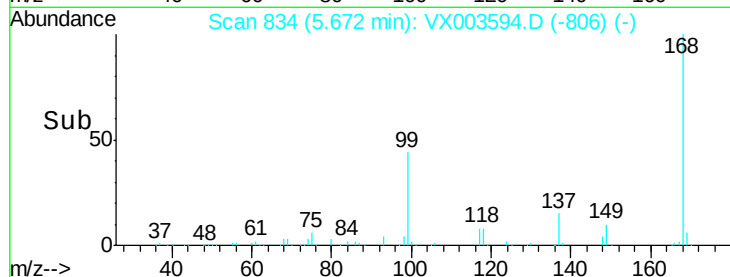
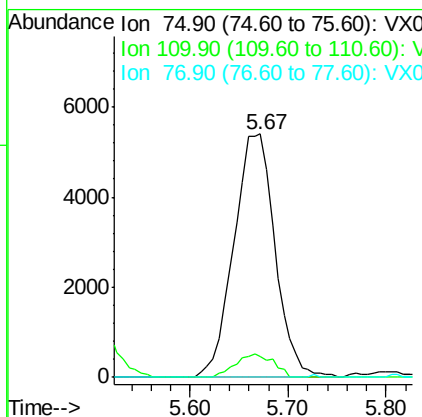
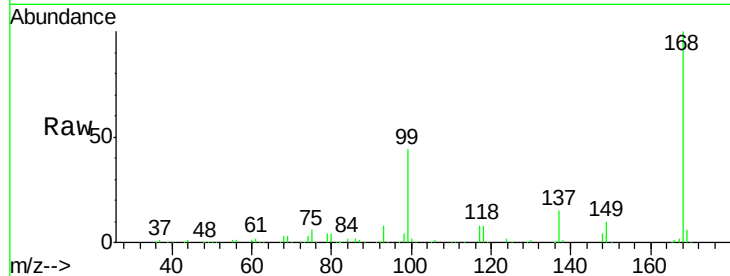




#36
 1,1-Dichloropropene
 Concen: 3.616 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

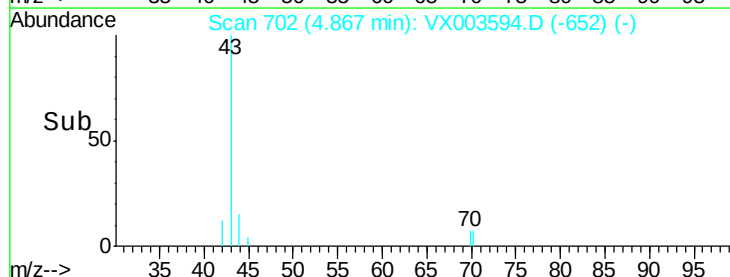
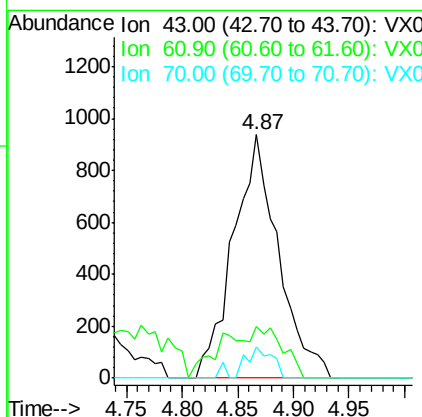
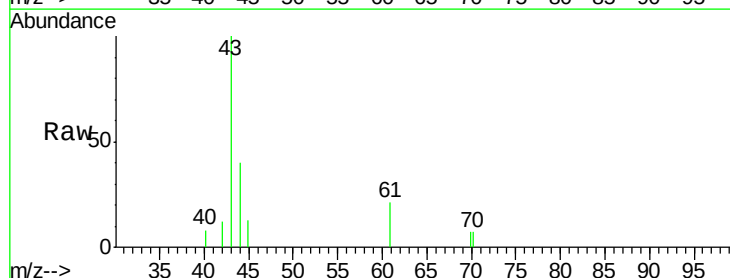
Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

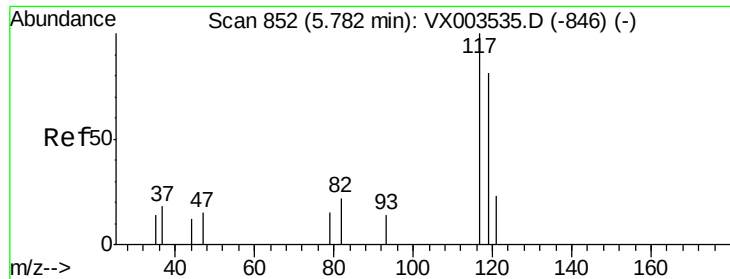
Tgt Ion: 75 Resp: 15833
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 0.637 ug/l
 RT: 4.87 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Tgt Ion: 43 Resp: 2639
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 7.2 7.6 11.4#

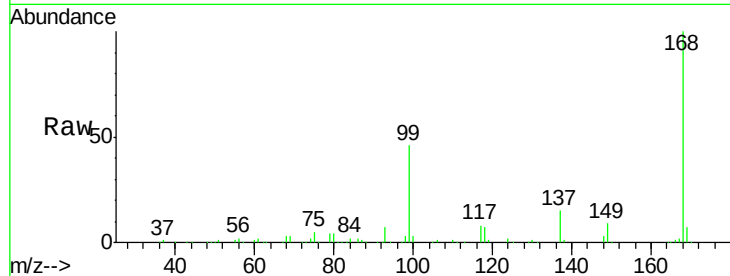




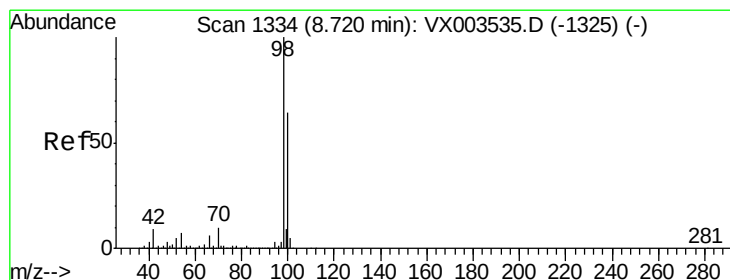
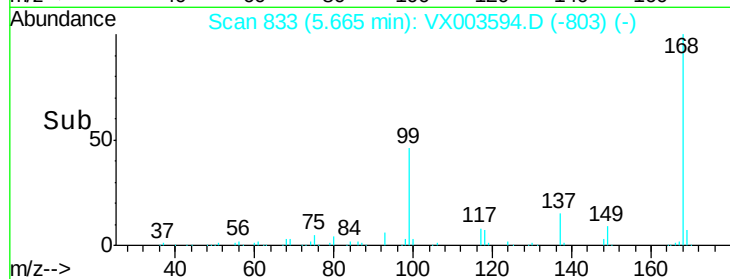
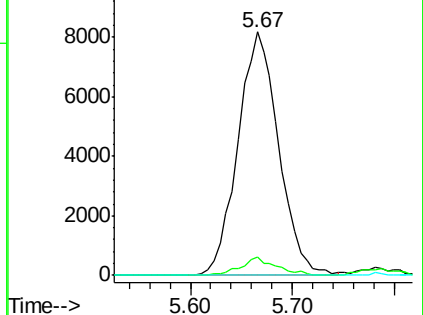
#38
Carbon Tetrachloride
Concen: 5.270 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

Instrument :
MSVOA_X
ClientSampleId :
LC-SD-EB01-180716

Tgt Ion:117 Resp: 22637
Ion Ratio Lower Upper
117 100
119 7.4 77.4 116.0#
121 0.0 24.4 36.6#

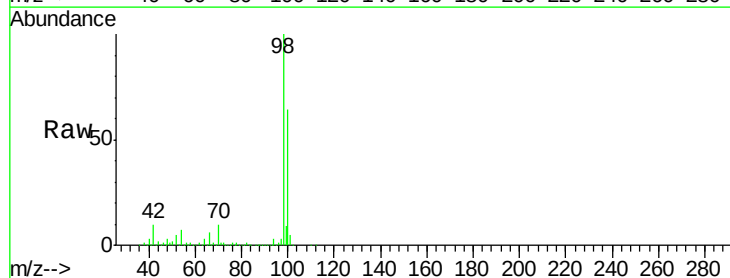


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

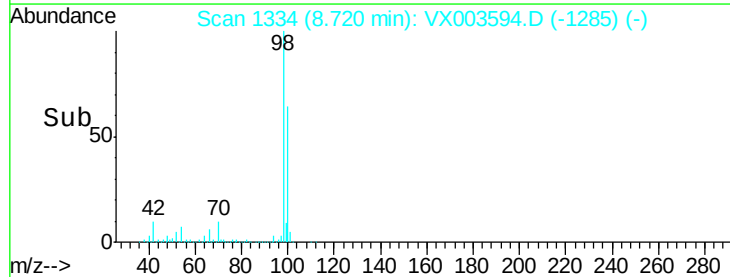
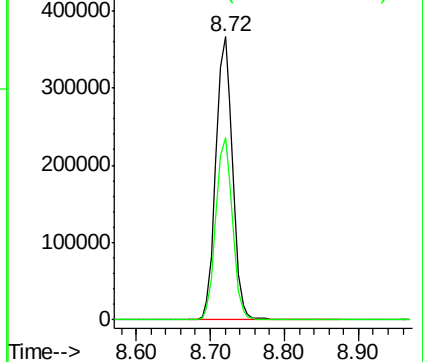


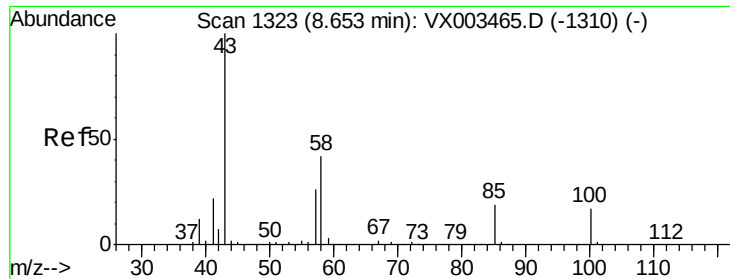
#50
Toluene-d8
Concen: 48.450 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003594.D
Acq: 23 Jul 2018 10:44

Tgt Ion: 98 Resp: 562588
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



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

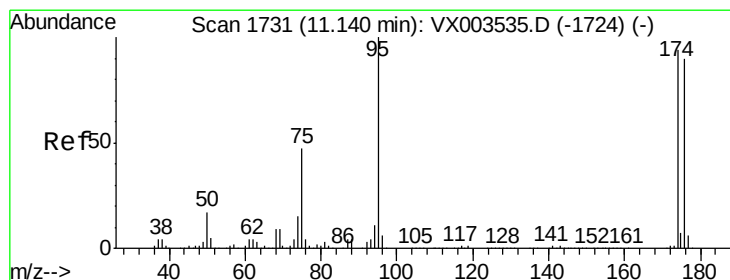
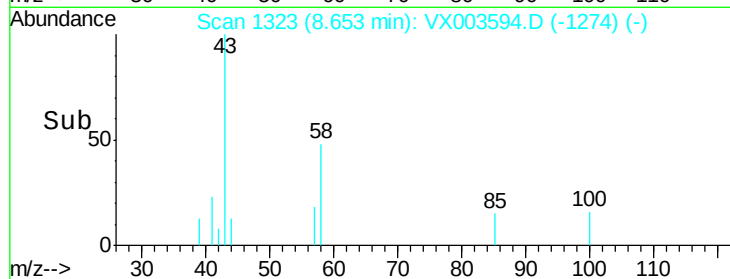
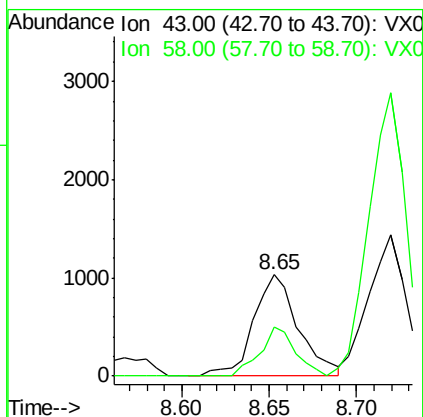
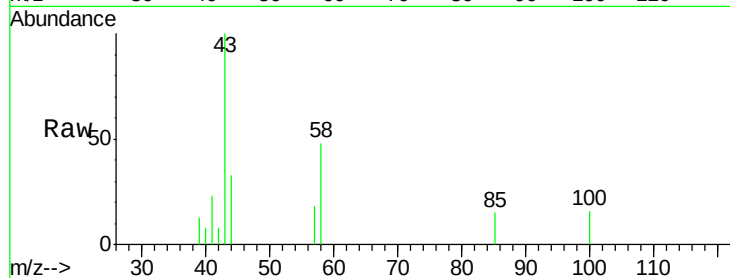




#51
 4-Methyl-2-Pentanone
 Concen: 0.443 ug/l
 RT: 8.65 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

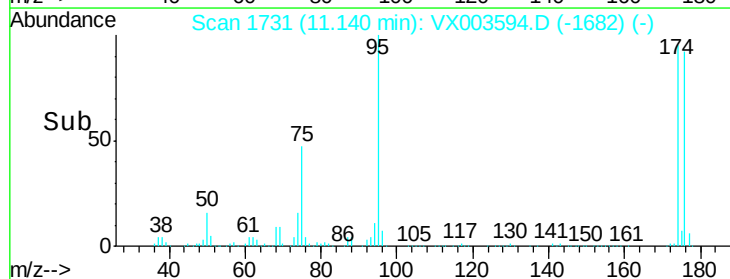
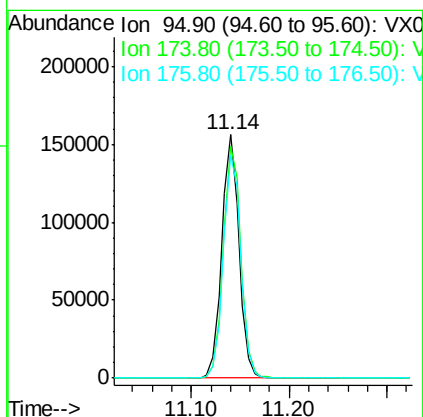
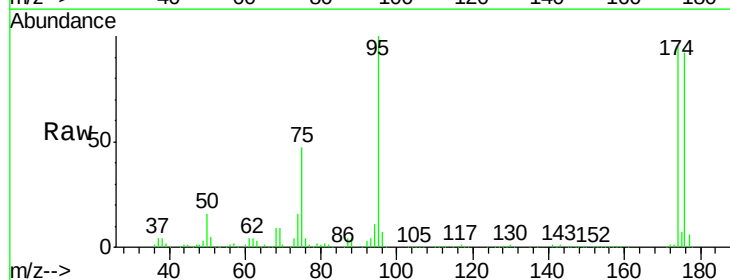
Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

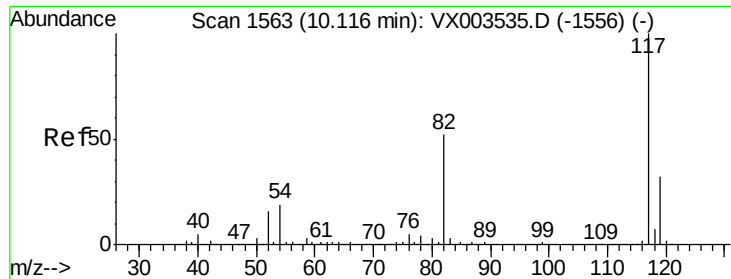
Tgt Ion: 43 Resp: 1843
 Ion Ratio Lower Upper
 43 100
 58 38.1 28.6 42.8



#62
 4-Bromofluorobenzene
 Concen: 44.817 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Tgt Ion: 95 Resp: 189914
 Ion Ratio Lower Upper
 95 100
 174 97.7 0.0 187.4
 176 93.6 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB01-180716

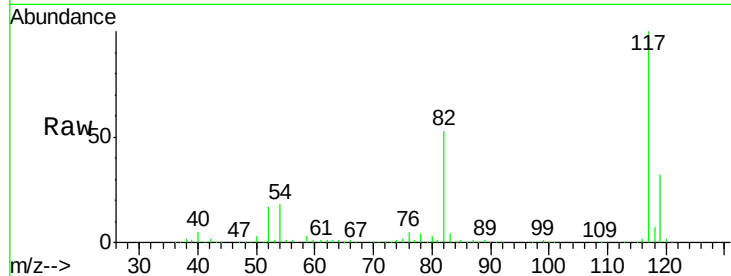
Tgt Ion:117 Resp: 371966

Ion Ratio Lower Upper

117 100

82 52.8 45.0 67.4

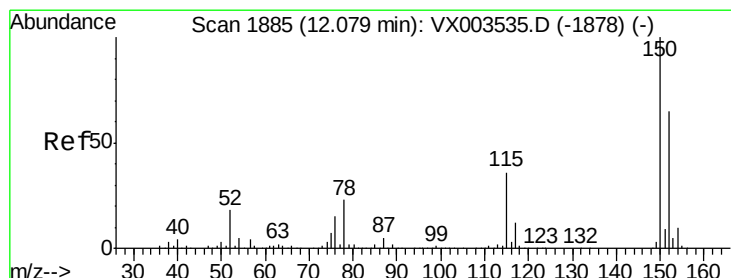
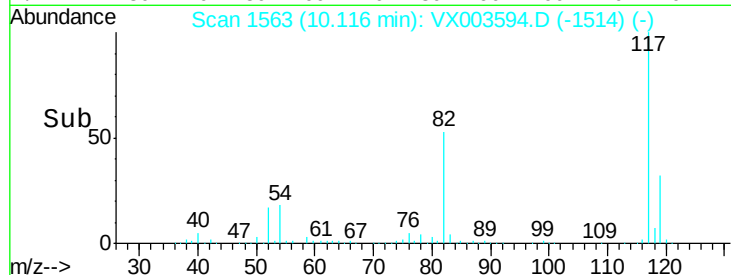
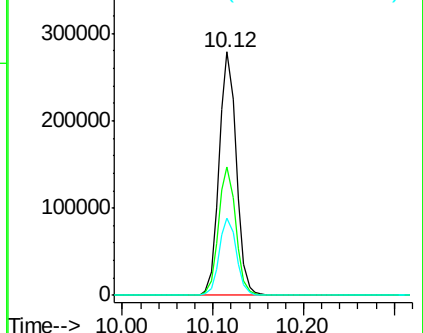
119 32.0 25.8 38.6



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: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

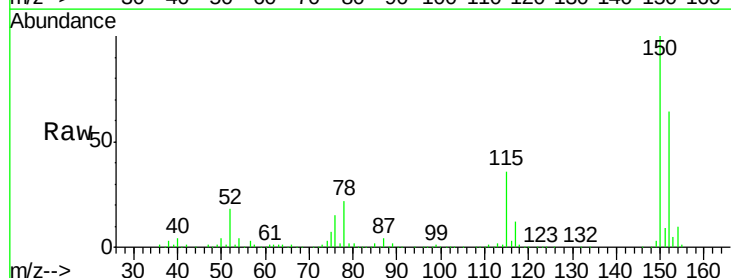
Tgt Ion:152 Resp: 203588

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

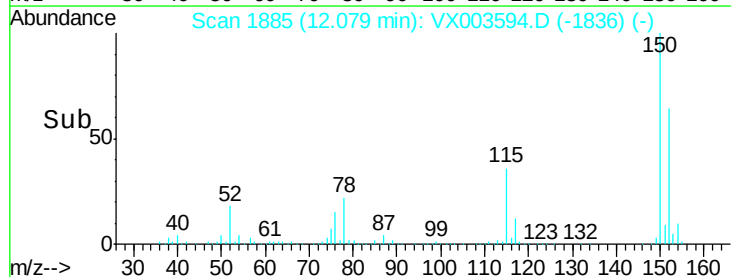
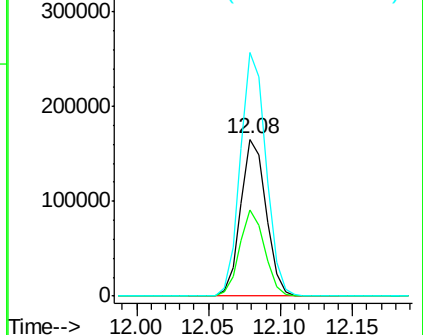
150 156.4 0.0 347.2

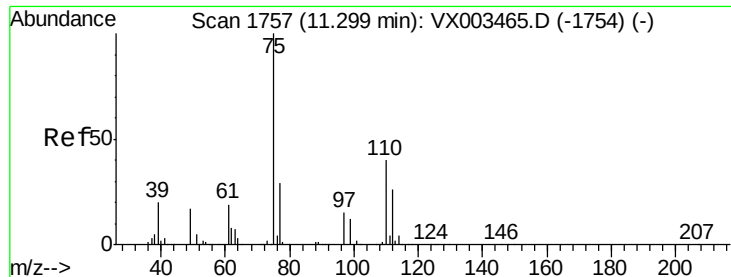


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.989 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

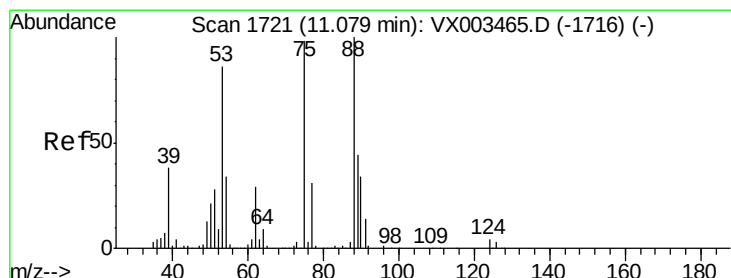
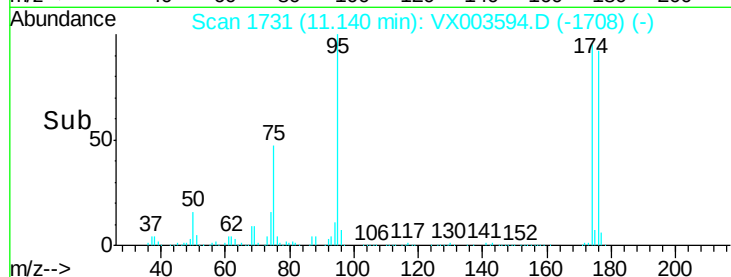
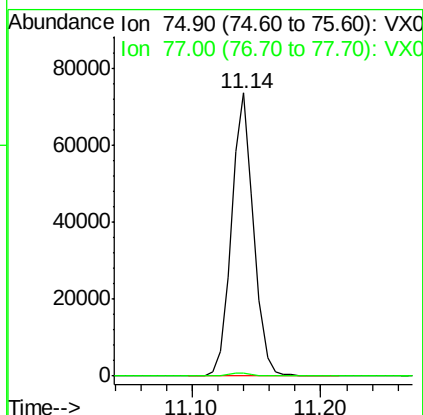
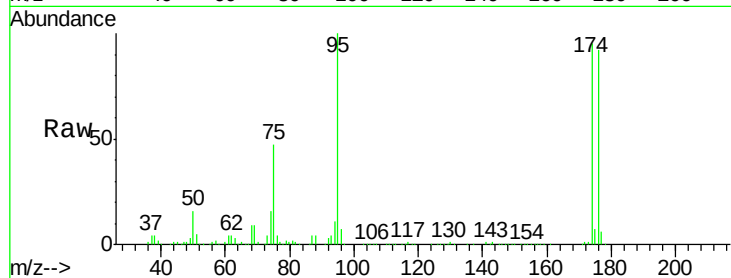
LC-SD-EB01-180716

Tgt Ion: 75 Resp: 87738

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.274 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

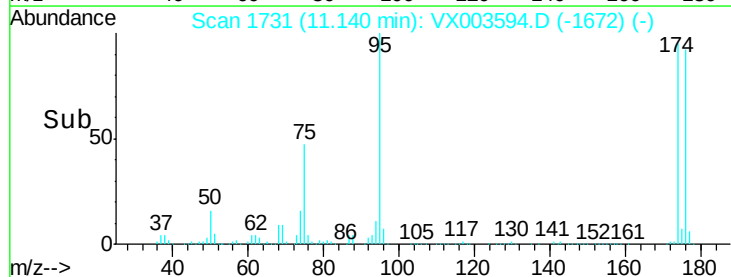
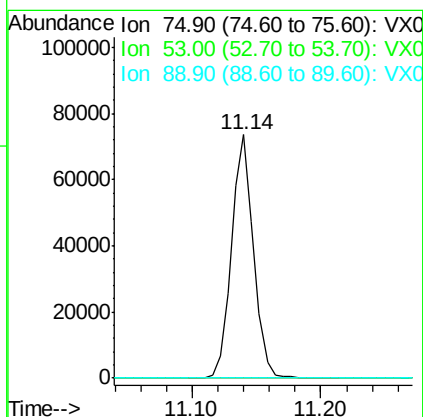
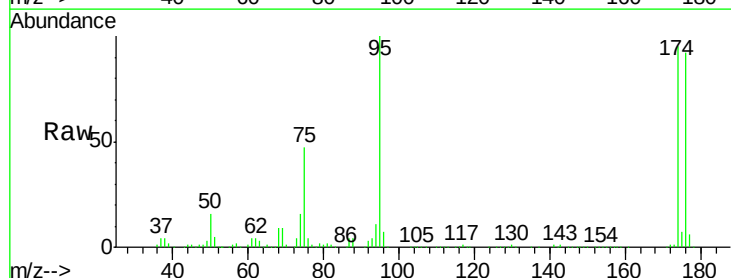
Tgt Ion: 75 Resp: 87738

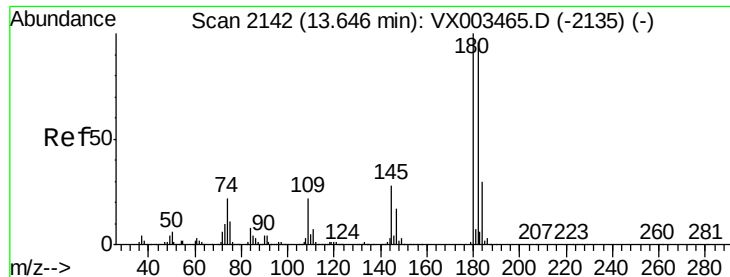
Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

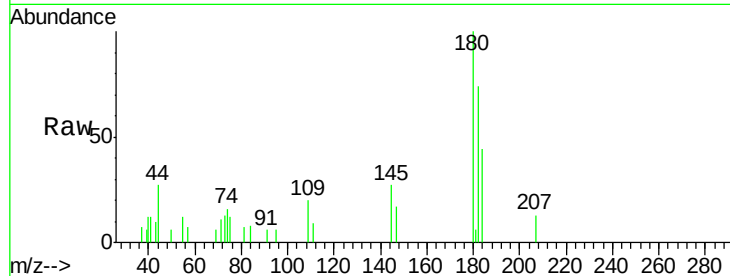




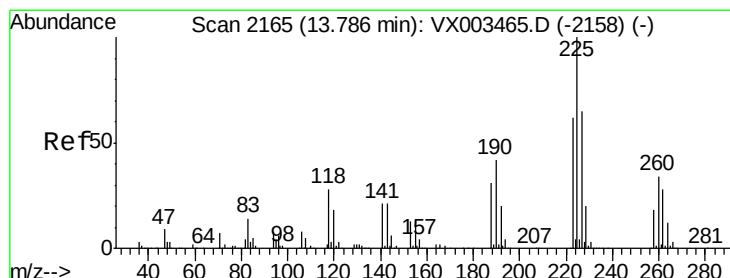
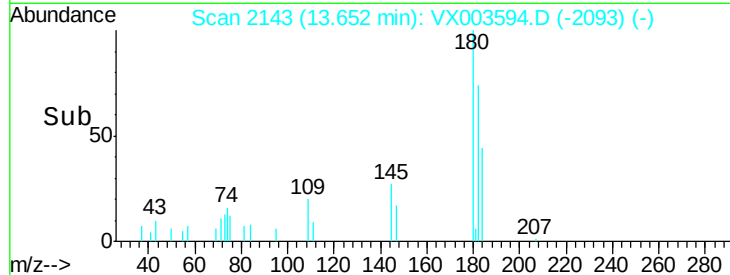
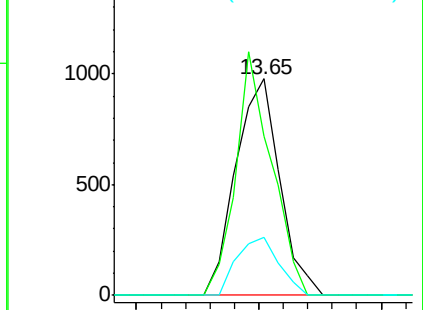
#93
 1,2,4-Trichlorobenzene
 Concen: 0.227 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Instrument :
 MSVOA_X
 ClientSampleId :
 LC-SD-EB01-180716

Tgt Ion:180 Resp: 1221
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.7 143.1
 145 25.6 14.1 42.4

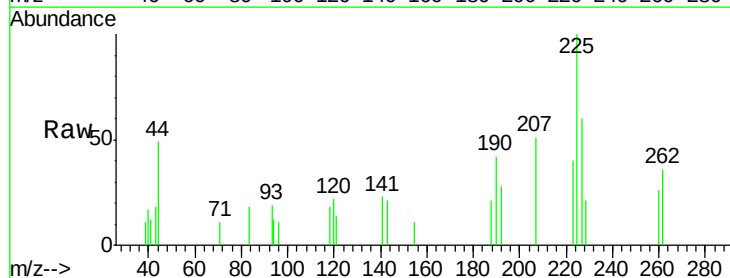


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

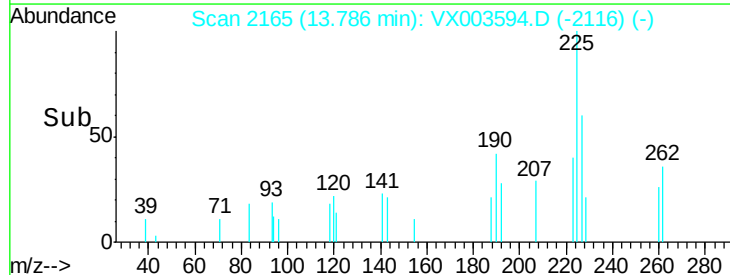
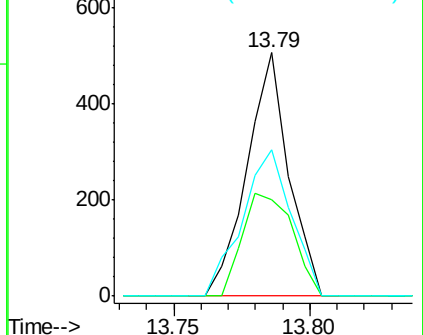


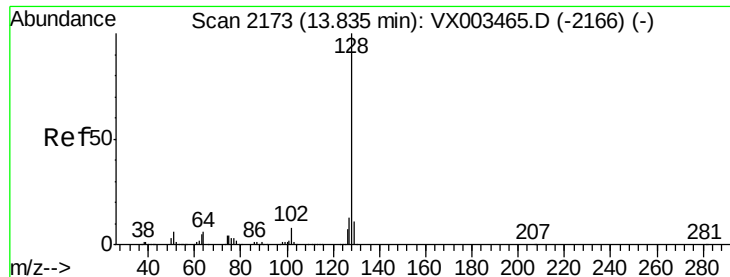
#94
 Hexachlorobutadiene
 Concen: 0.209 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003594.D
 Acq: 23 Jul 2018 10:44

Tgt Ion:225 Resp: 540
 Ion Ratio Lower Upper
 225 100
 223 50.6 31.6 95.0
 227 70.6 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.219 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

Instrument :

MSVOA_X

ClientSampleId :

LC-SD-EB01-180716

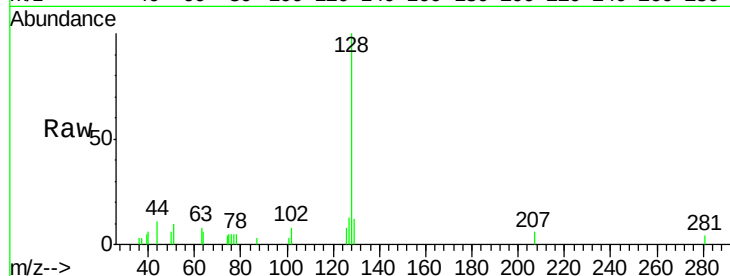
Tgt Ion:128 Resp: 3093

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

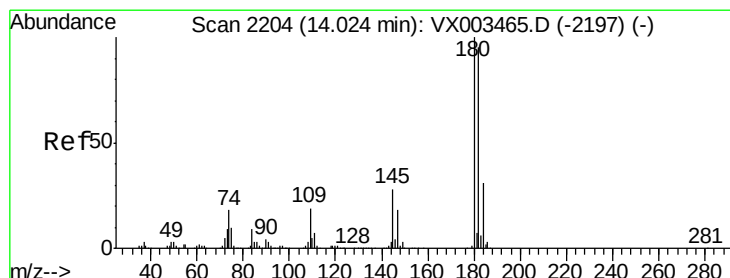
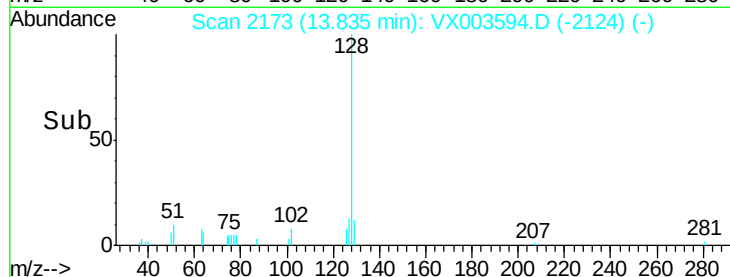
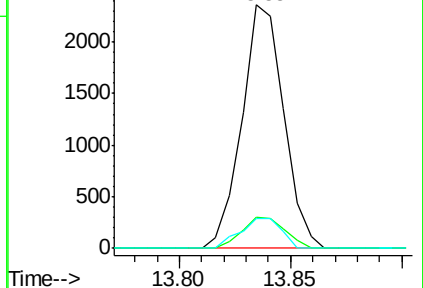
129 12.1 8.6 13.0



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: 0.219 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003594.D

Acq: 23 Jul 2018 10:44

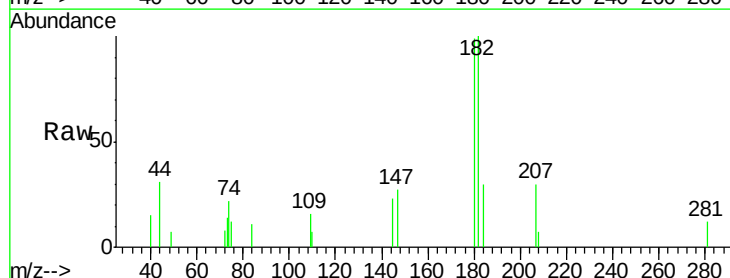
Tgt Ion:180 Resp: 1167

Ion Ratio Lower Upper

180 100

182 100.6 48.0 144.0

145 23.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

