

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003784.D
 Acq On : 01 Aug 2018 07:15
 Operator : JC/SP
 Sample : J4143-09
 Misc : 11.32G/5.0mL/MSVOA X/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

Quant Time: Aug 01 07:52:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	92183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	97401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	34633	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	40114	43.03	ug/l	0.00
Spiked Amount			Recovery	=	86.06%	
35) Dibromofluoromethane	5.51	113	26636	29.97	ug/l	0.00
Spiked Amount			Recovery	=	59.94%	
50) Toluene-d8	8.72	98	122136	32.96	ug/l	0.00
Spiked Amount			Recovery	=	65.92%	
62) 4-Bromofluorobenzene	11.14	95	30953	22.65	ug/l	0.00
Spiked Amount			Recovery	=	45.30%	

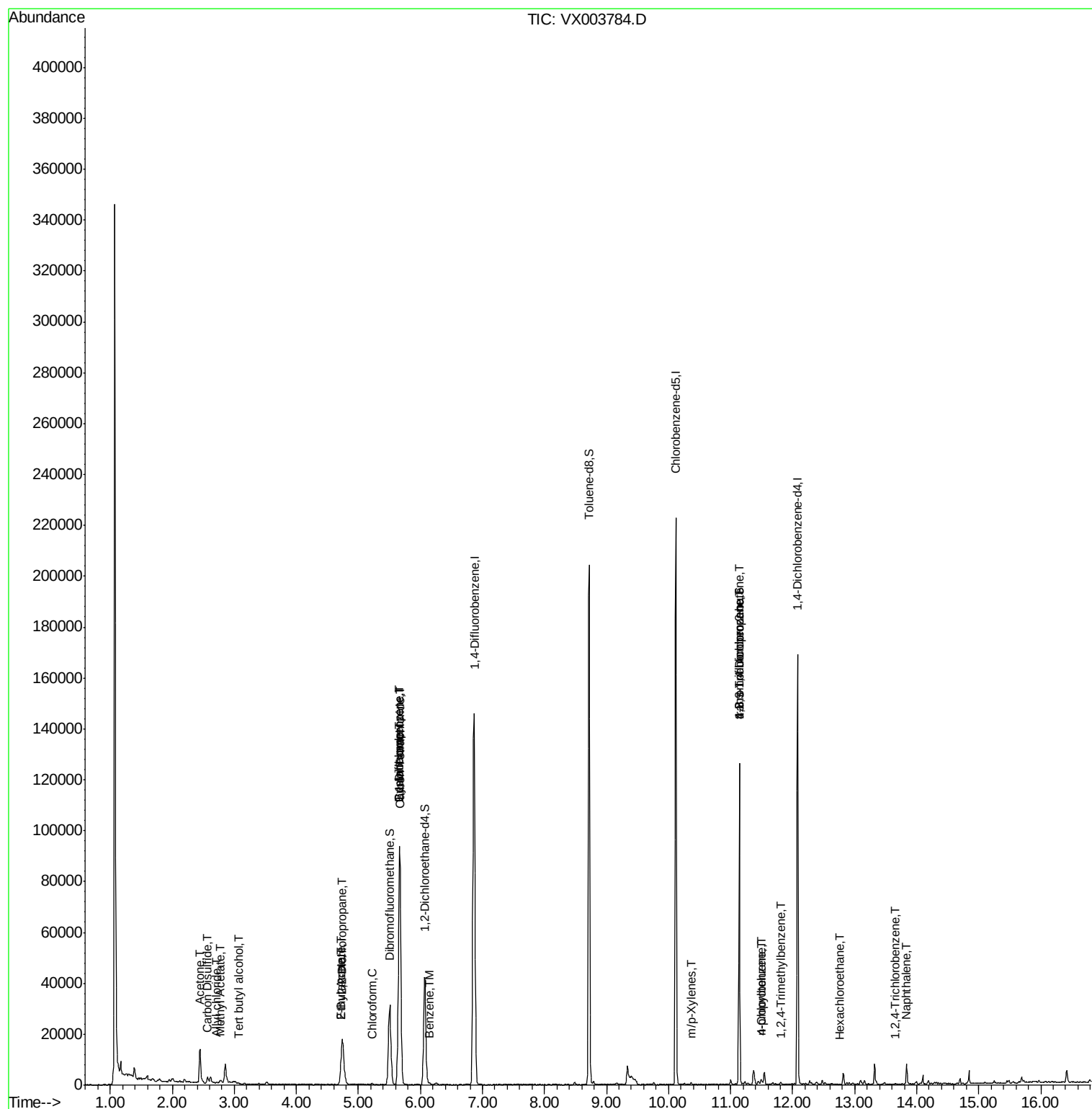
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	73	Below Cal	#	2
11) Tert butyl alcohol	3.07	59	445	2.95	ug/l #	73
14) Allyl chloride	2.71	41	460	0.31	ug/l #	60
16) Acetone	2.45	43	13763	38.65	ug/l	97
17) Carbon Disulfide	2.57	76	2666	0.99	ug/l	97
18) Methyl Acetate	2.78	43	1073	1.07	ug/l	95
25) 2-Butanone	4.71	43	2245	4.32	ug/l #	89
26) 2,2-Dichloropropane	4.74	77	1517	1.25	ug/l #	51
30) Chloroform	5.22	83	484	0.32	ug/l	88
31) Cyclohexane	5.67	56	1696	1.14	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	6579	4.65	ug/l #	49
37) Ethyl Acetate	4.71	43	2245	2.07	ug/l #	68
38) Carbon Tetrachloride	5.67	117	8504	6.50	ug/l #	15
40) Benzene	6.14	78	864	0.21	ug/l #	75
68) m/p-Xylenes	10.36	106	277	0.21	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	15724	32.94	ug/l #	35
78) n-propylbenzene	11.49	91	557	0.21	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	15724	97.57	ug/l #	11
82) 4-Chlorotoluene	11.49	91	557	0.31	ug/l #	44
84) 1,2,4-Trimethylbenzene	11.81	105	473	0.25	ug/l	84
90) Hexachloroethane	12.76	117	102	0.32	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	172	0.20	ug/l #	71
95) Naphthalene	13.83	128	4970	2.75	ug/l	98

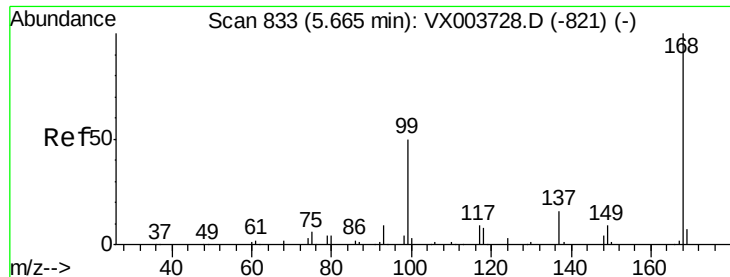
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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Instrument :
MSVOA_X
ClientSampleId :
SB-3(3-5)

Quant Time: Aug 01 07:52:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

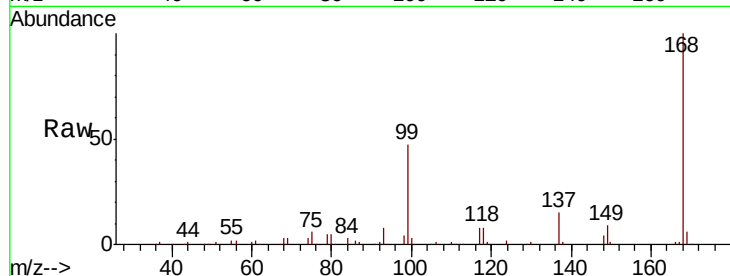
SB-3(3-5)

Tot Ion:168 Resp: 92183

Ion Ratio Lower Upper

168 100

99 47.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

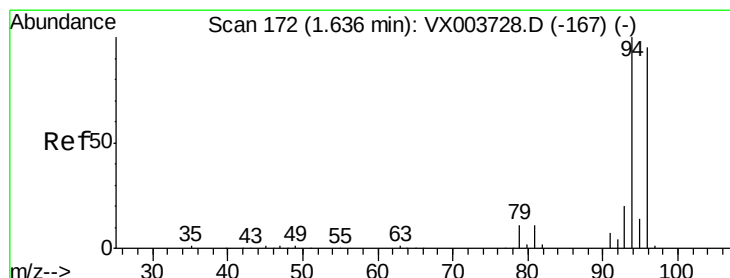
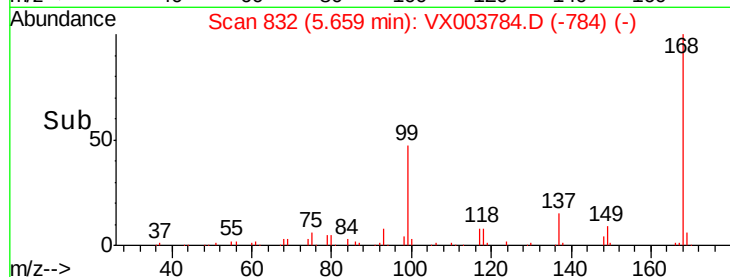
20000

10000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003784.D

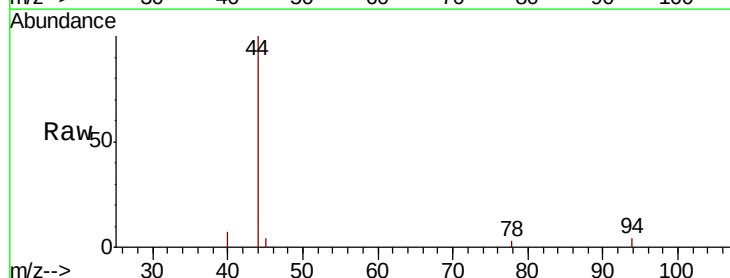
Acq: 01 Aug 2018 07:15

Tgt Ion: 94 Resp: 73

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80

60

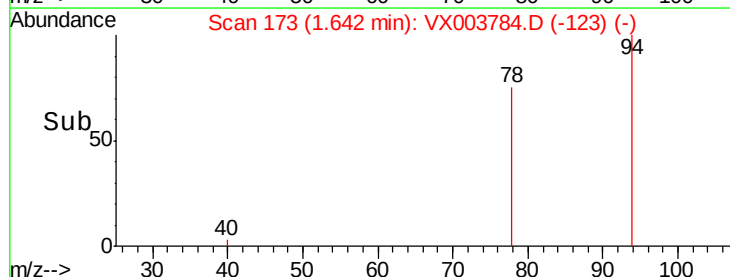
40

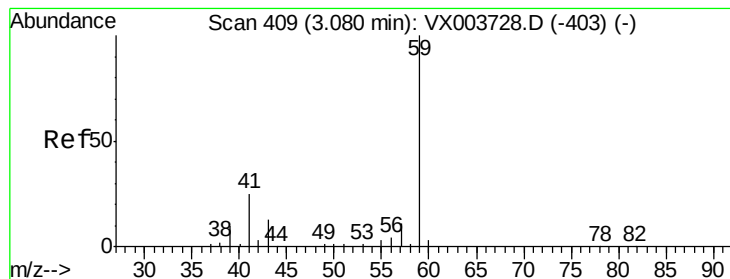
20

0

1.62 1.64 1.66

Time-->



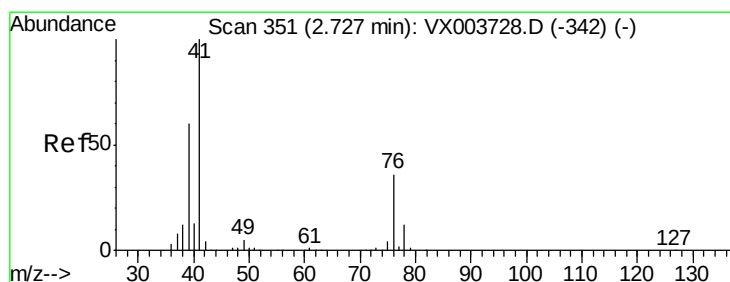
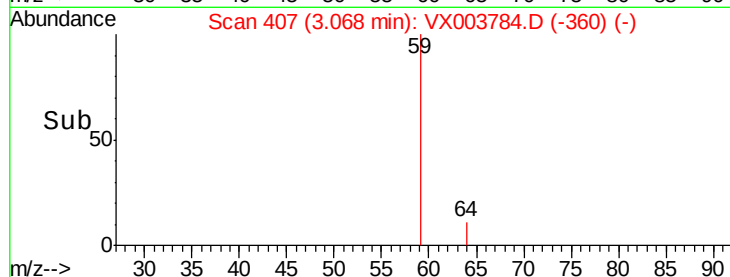
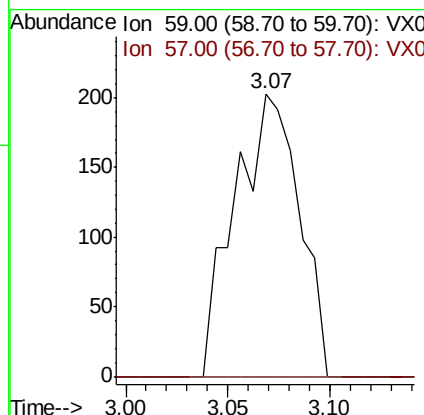
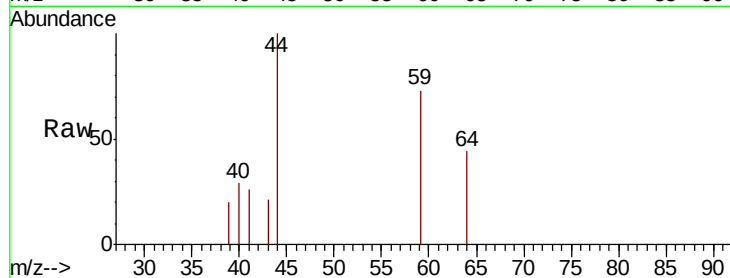


#11

Tert butyl alcohol
 Concen: 2.95 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

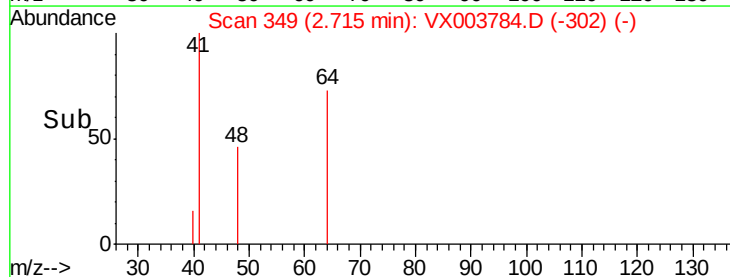
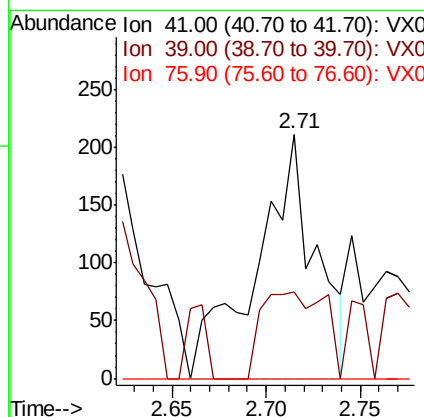
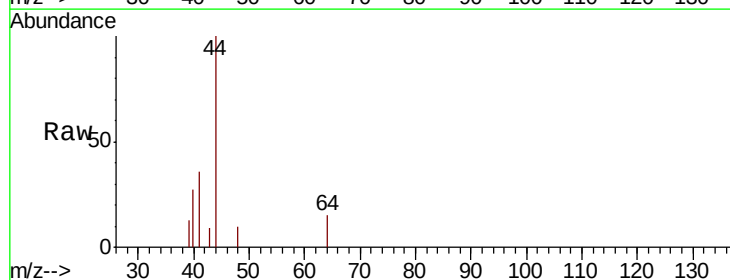
Tot Ion: 59 Resp: 445
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

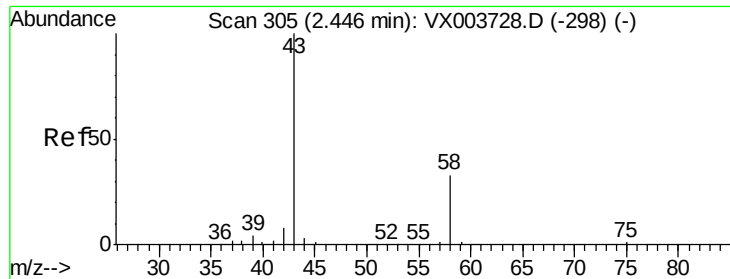


#14

Allyl chloride
 Concen: 0.31 ug/l
 RT: 2.71 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Tgt Ion: 41 Resp: 460
 Ion Ratio Lower Upper
 41 100
 39 38.0 47.7 71.5#
 76 0.0 27.0 40.6#





#16

Acetone

Concen: 38.65 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

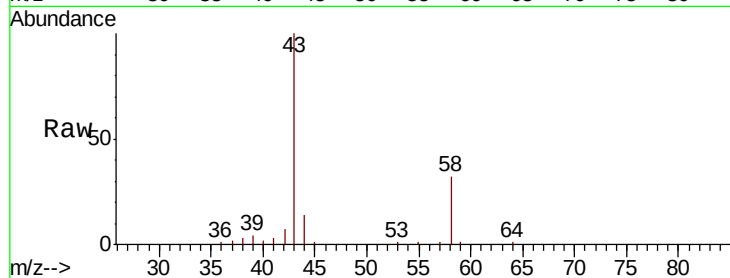
SB-3(3-5)

Tot Ion: 43 Resp: 13763

Ion Ratio Lower Upper

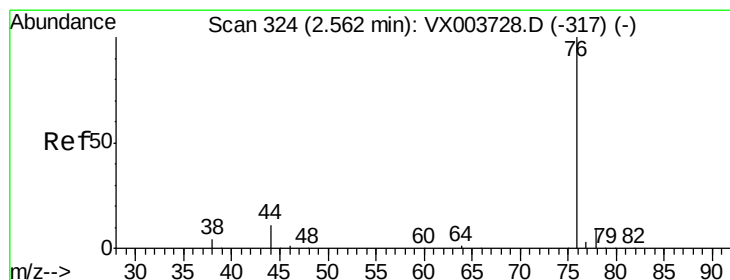
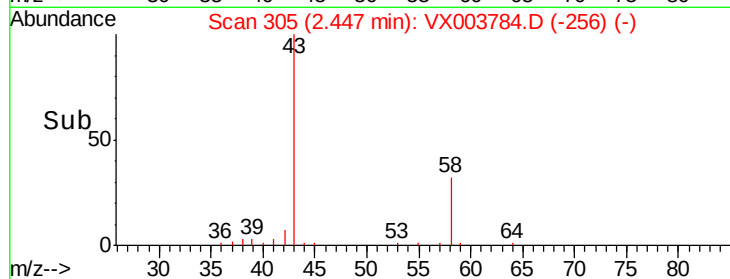
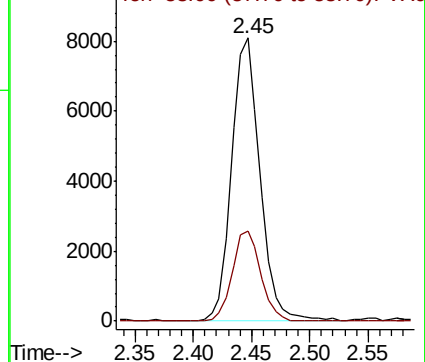
43 100

58 31.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.99 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003784.D

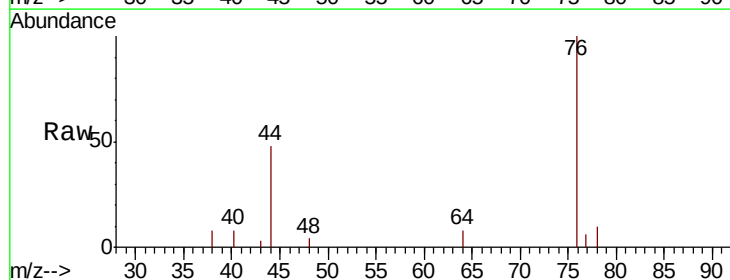
Acq: 01 Aug 2018 07:15

Tgt Ion: 76 Resp: 2666

Ion Ratio Lower Upper

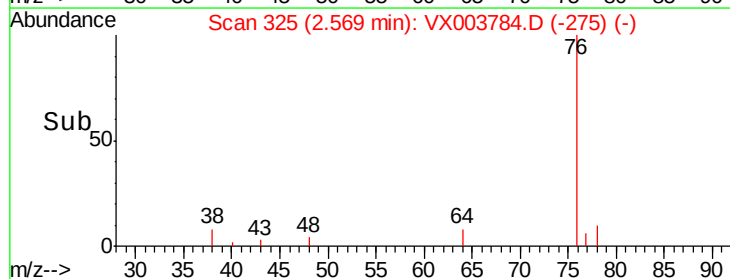
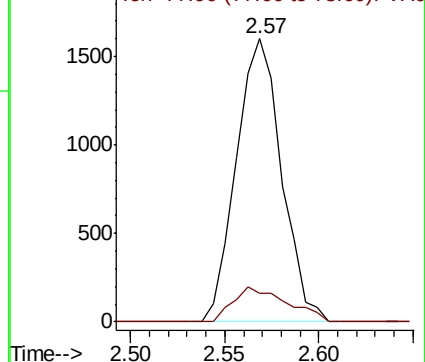
76 100

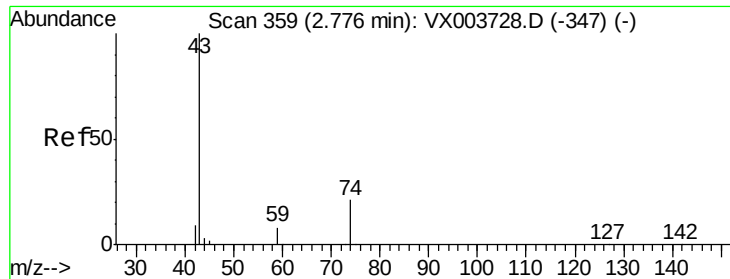
78 10.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 1.07 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampled :

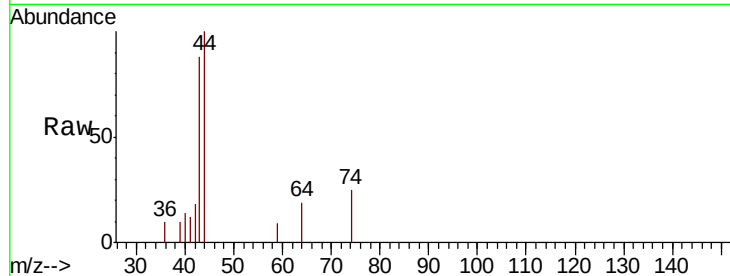
SB-3(3-5)

Tot Ion: 43 Resp: 1073

Ion Ratio Lower Upper

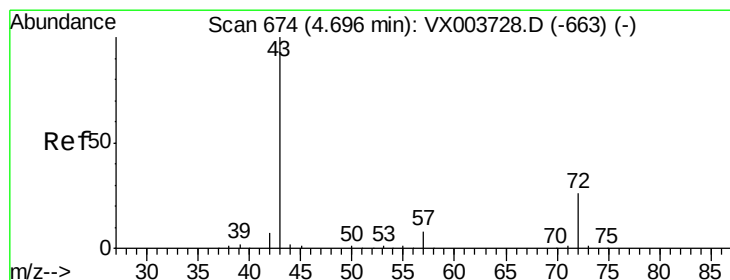
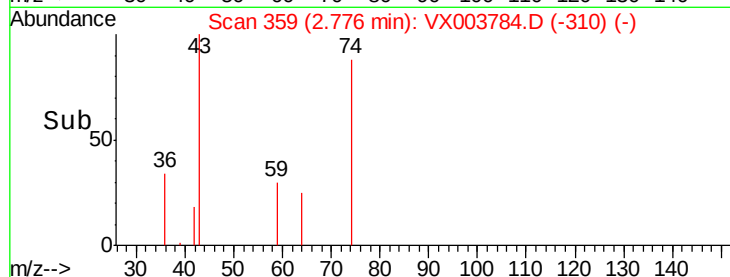
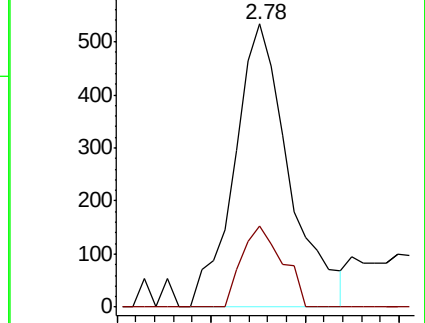
43 100

74 21.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#25

2-Butanone

Concen: 4.32 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX003784.D

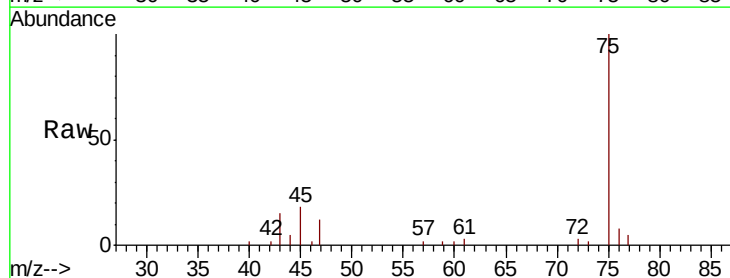
Acq: 01 Aug 2018 07:15

Tgt Ion: 43 Resp: 2245

Ion Ratio Lower Upper

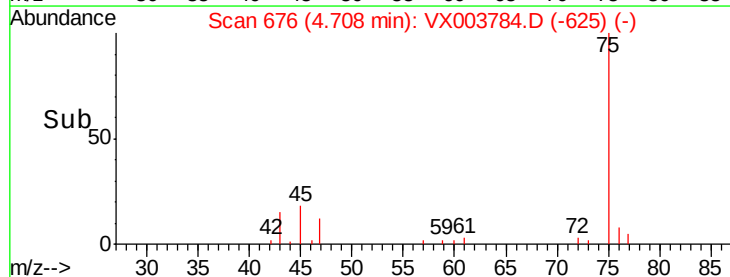
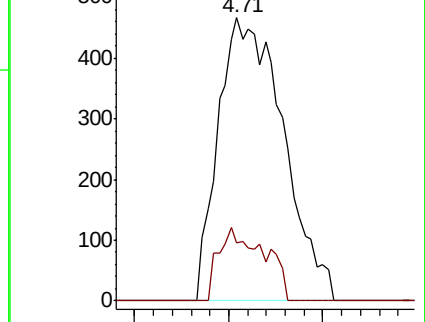
43 100

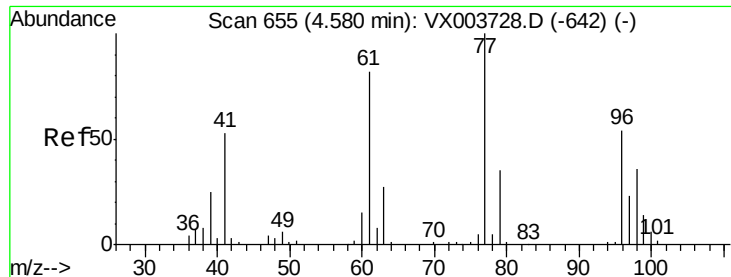
72 20.6 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

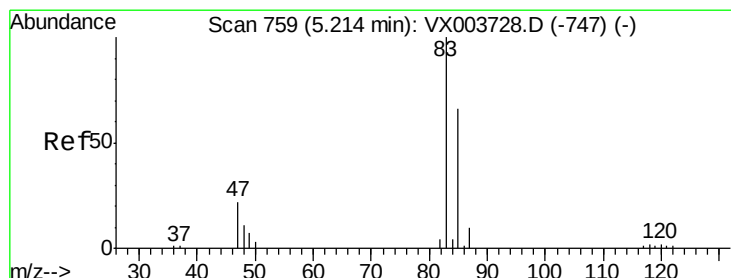
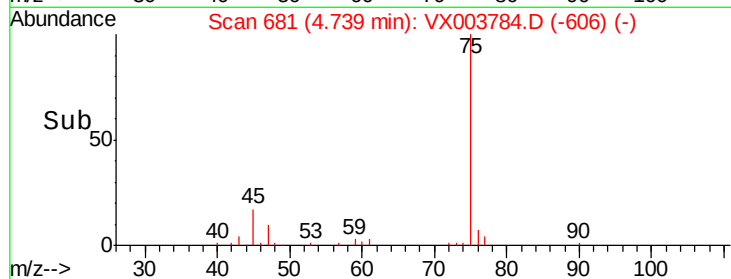
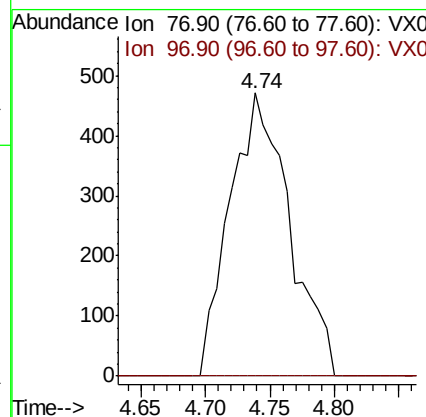
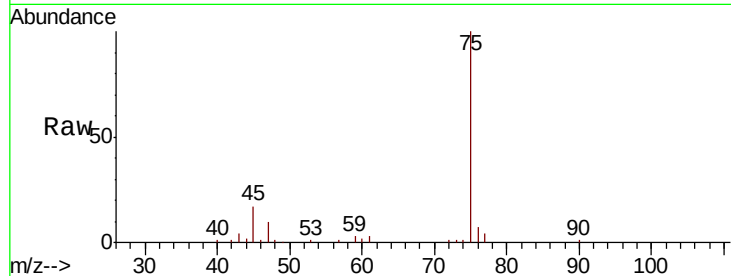




#26
 2,2-Dichloropropane
 Concen: 1.25 ug/l
 RT: 4.74 min Scan# 681
 Delta R.T. 0.16 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

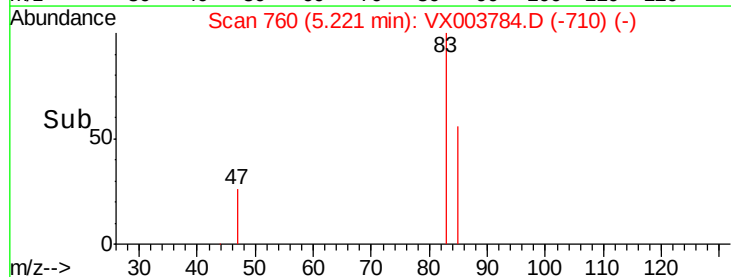
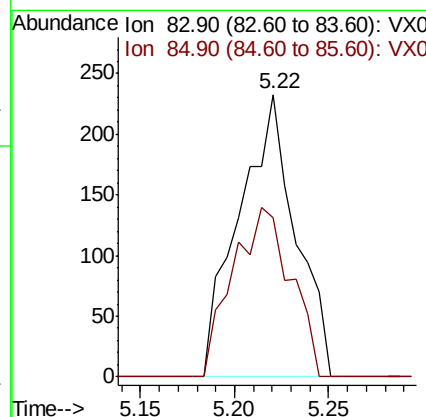
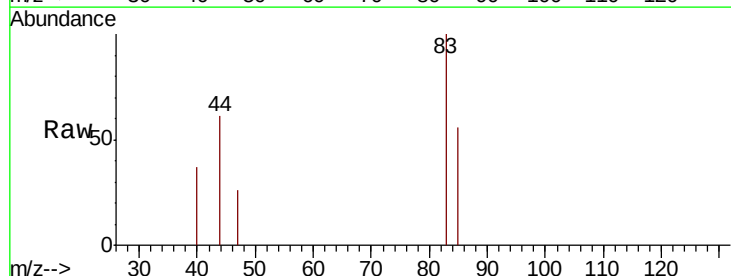
Instrument :
 MSVOA_X
 ClientSampled :
 SB-3(3-5)

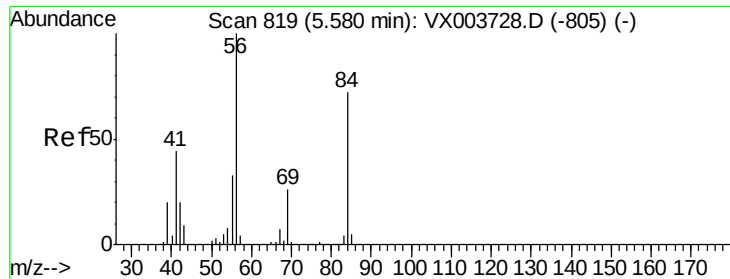
Tot Ion: 77 Resp: 1517
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#30
 Chloroform
 Concen: 0.32 ug/l
 RT: 5.22 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Tgt Ion: 83 Resp: 484
 Ion Ratio Lower Upper
 83 100
 85 56.2 52.8 79.2

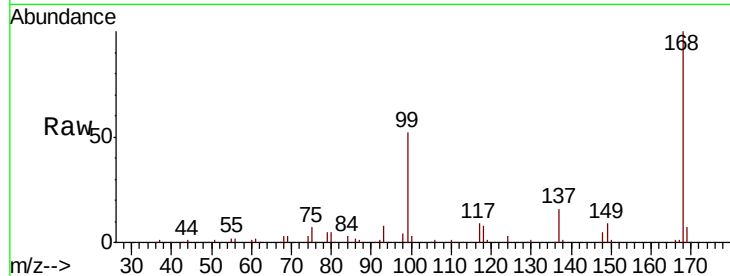




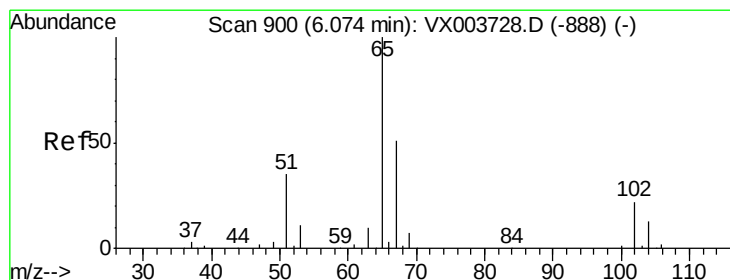
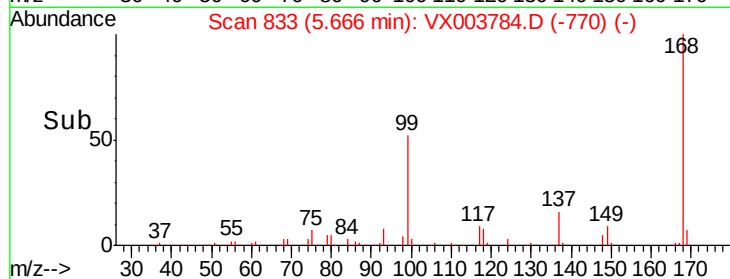
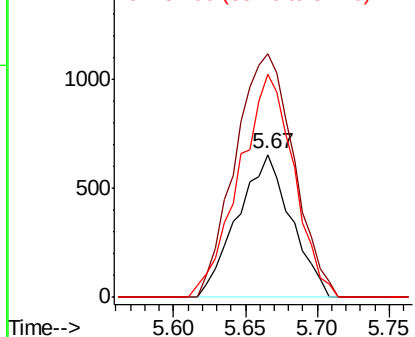
#31
Cyclohexane
Concen: 1.14 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Instrument :
MSVOA_X
ClientSampled :
SB-3(3-5)

Tot Ion	56	Resp	1696
Ion Ratio	Lower	Upper	
56	100		
69	170.2	20.6	30.8#
84	155.9	57.9	86.9#

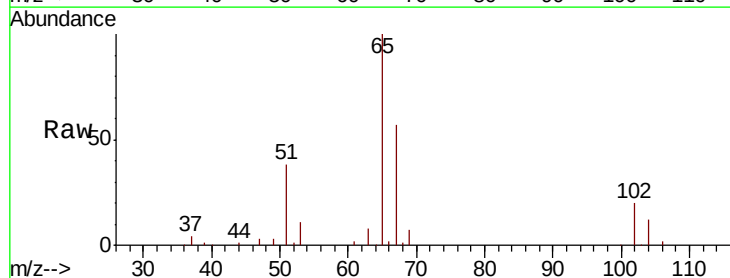


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

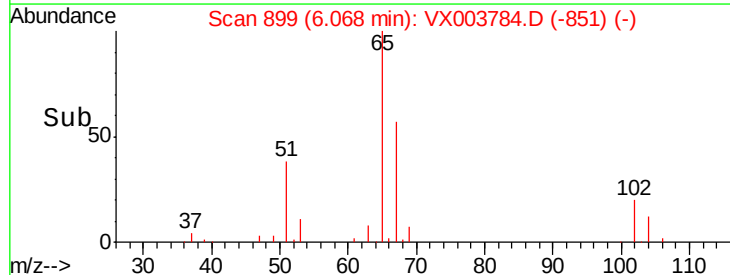
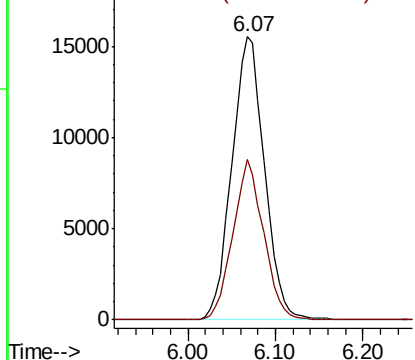


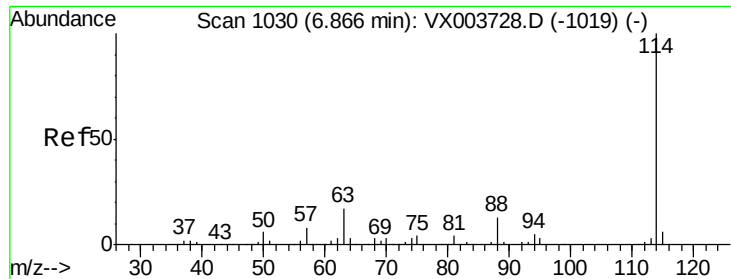
#33
1,2-Dichloroethane-d4
Concen: 43.03 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Tgt Ion	65	Resp	40114
Ion Ratio	Lower	Upper	
65	100		
67	53.3	0.0	107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

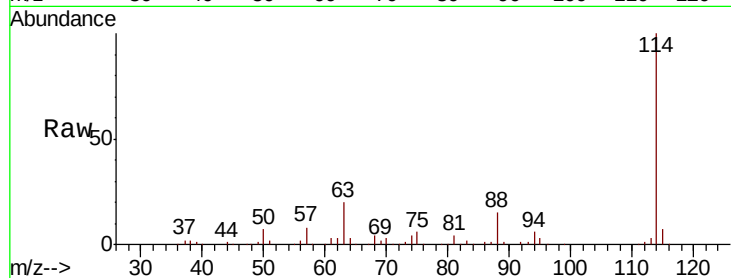




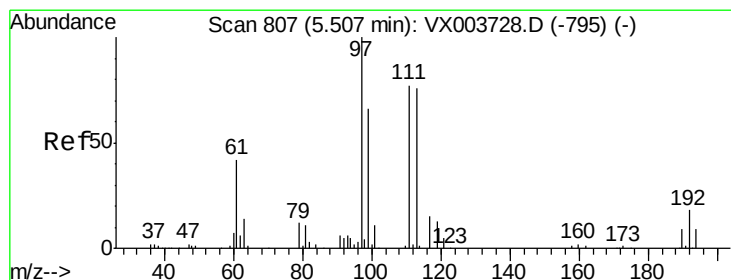
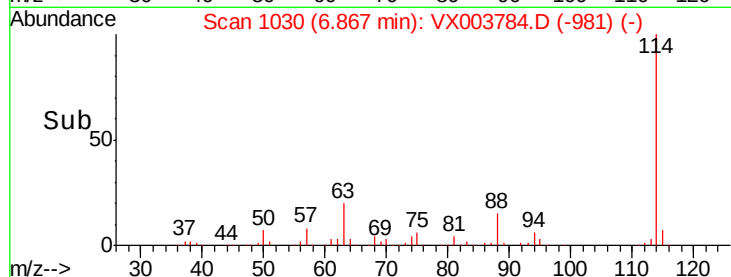
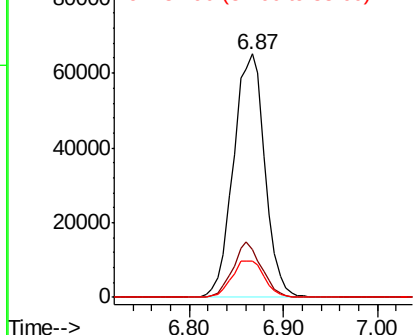
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

Tot Ion:114 Resp: 150942
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 34.0
 88 15.1 0.0 26.4

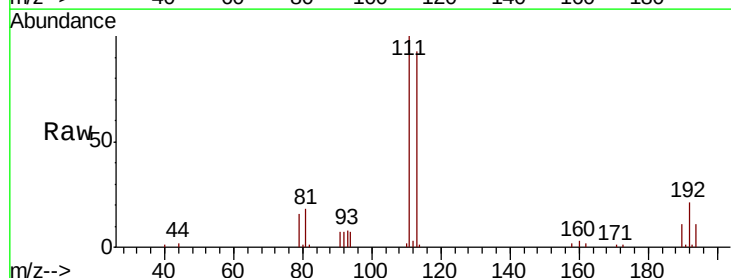


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

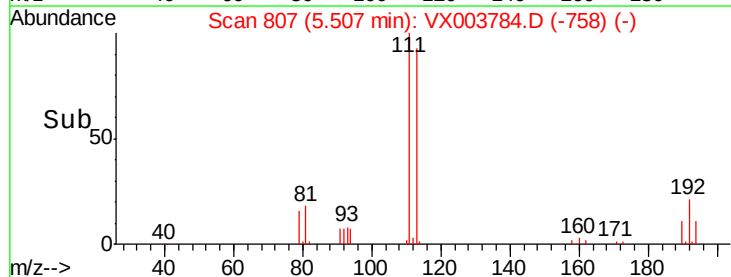
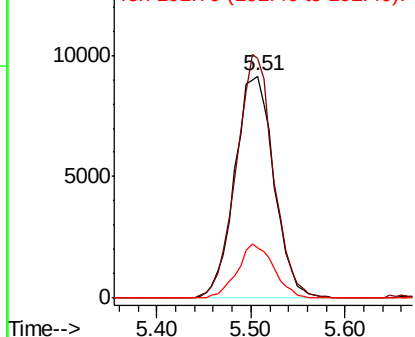


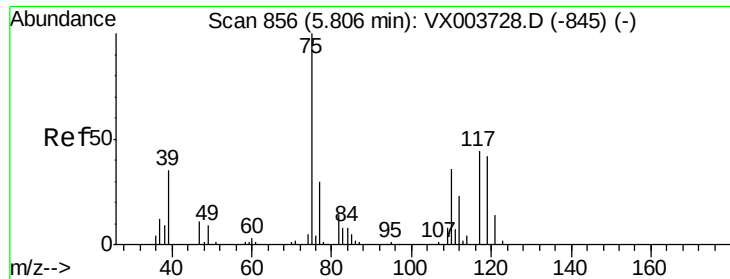
#35
 Dibromofluoromethane
 Concen: 29.97 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Tgt Ion:113 Resp: 26636
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.8 122.6
 192 22.5 18.8 28.2



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

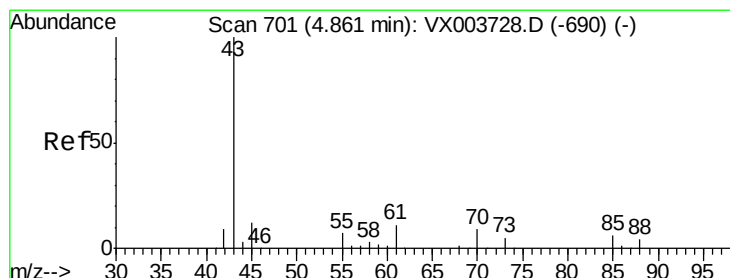
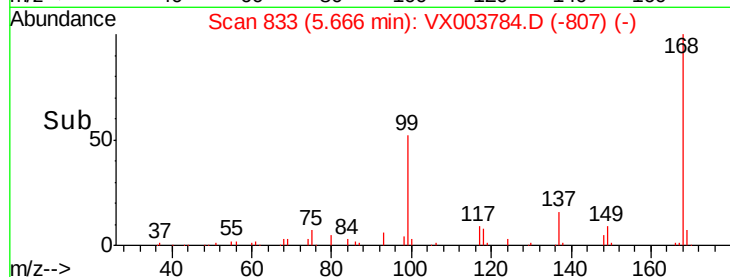
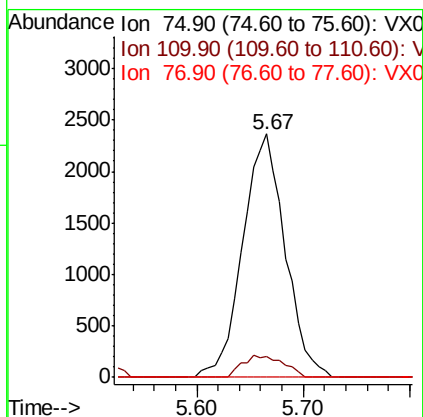
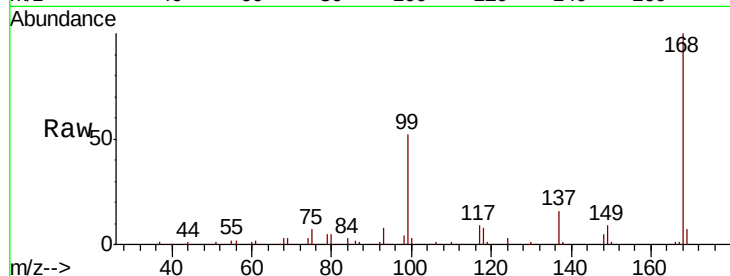




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

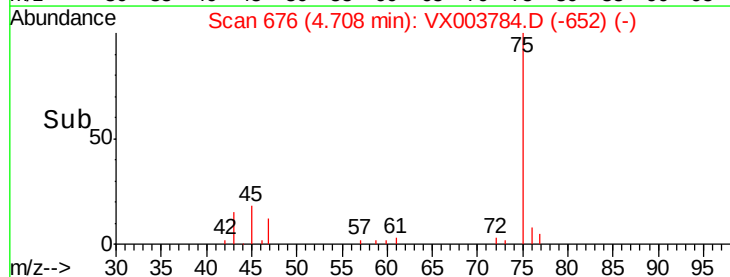
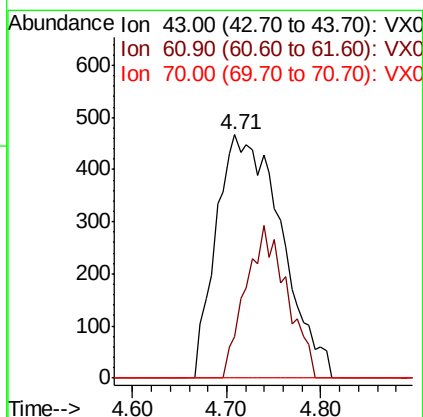
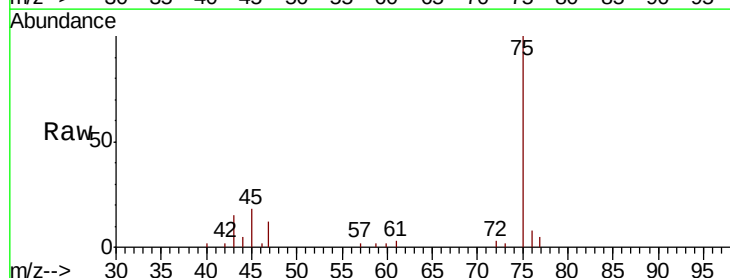
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

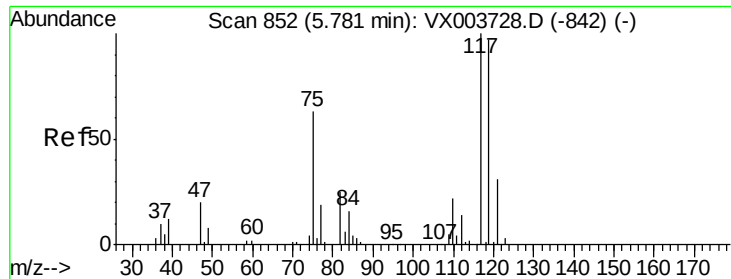
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.3	54.8#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 2.07 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	0.0	8.2	12.2#

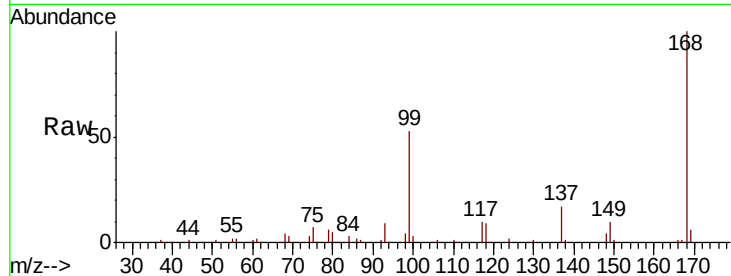




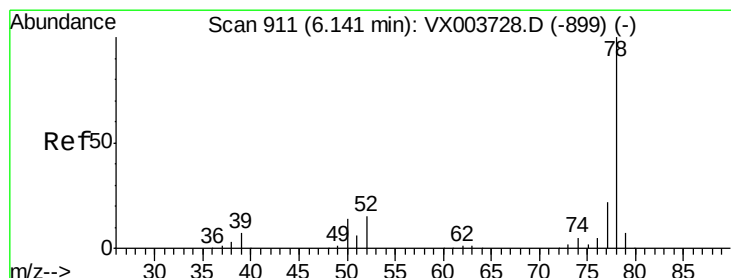
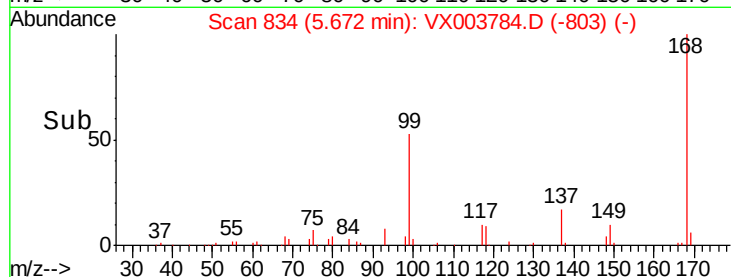
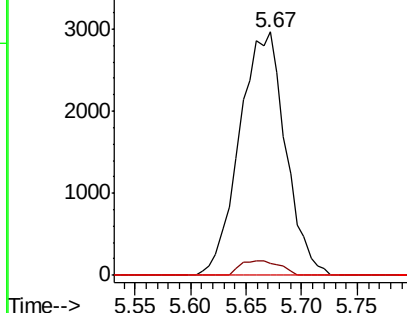
#38
Carbon Tetrachloride
Concen: 6.50 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Instrument :
MSVOA_X
ClientSampleId :
SB-3(3-5)

Tot Ion:117 Resp: 8504
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 25.0 37.4#

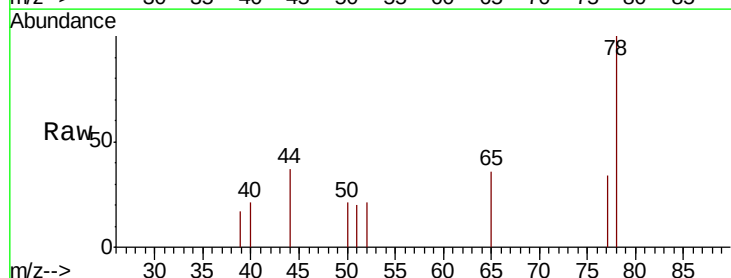


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

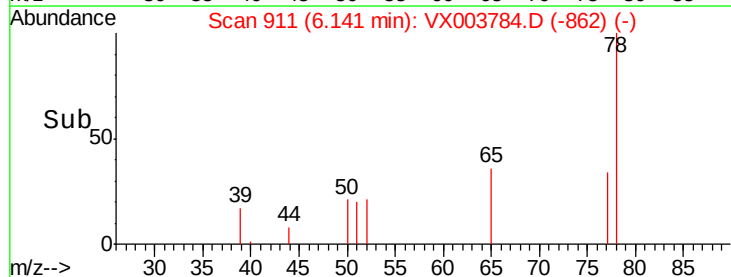
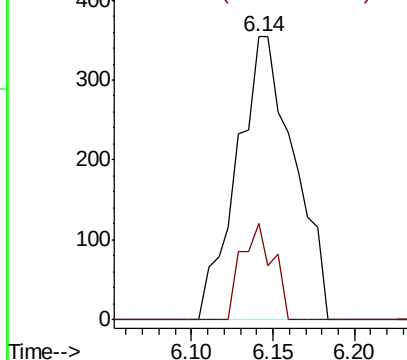


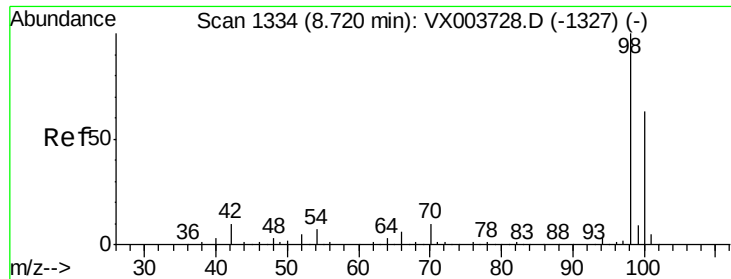
#40
Benzene
Concen: 0.21 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Tgt Ion: 78 Resp: 864
Ion Ratio Lower Upper
78 100
77 34.2 17.9 26.9#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

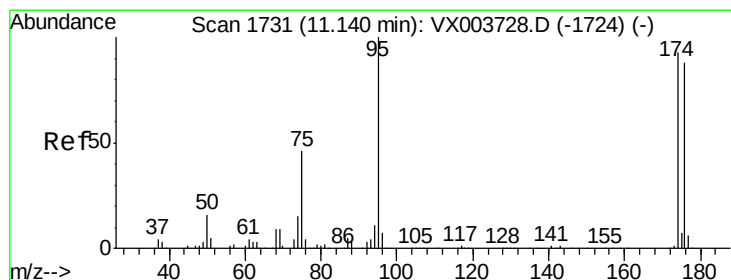
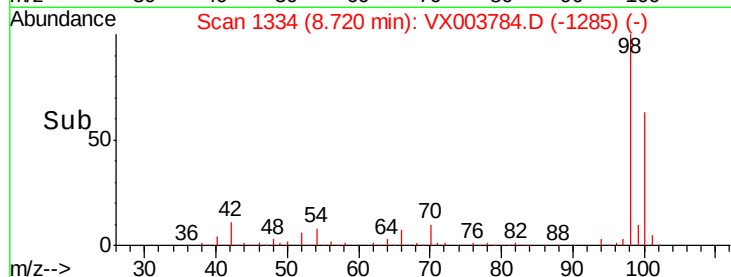
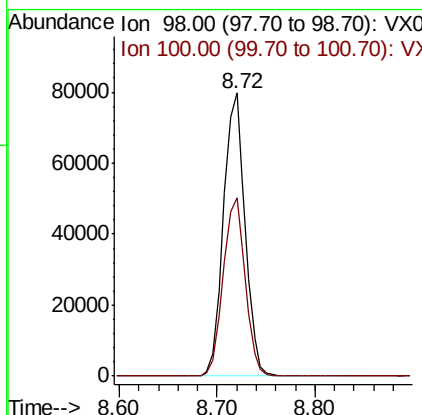
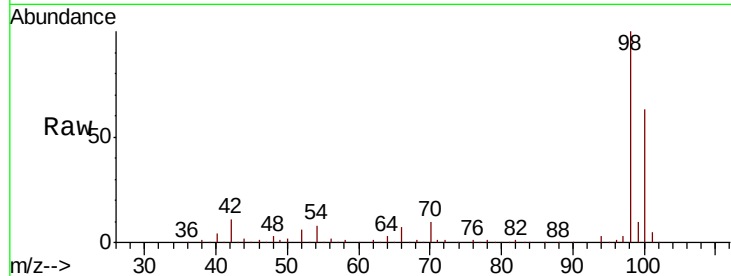




#50
Toluene-d8
Concen: 32.96 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

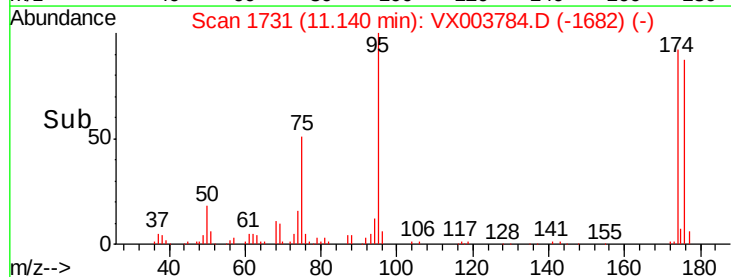
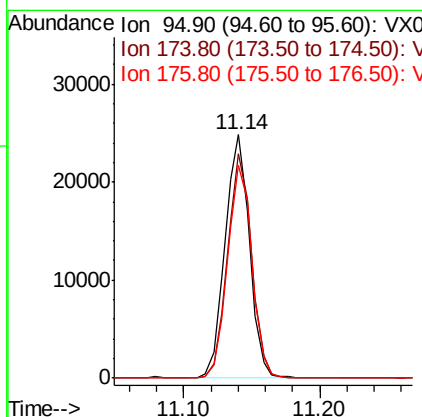
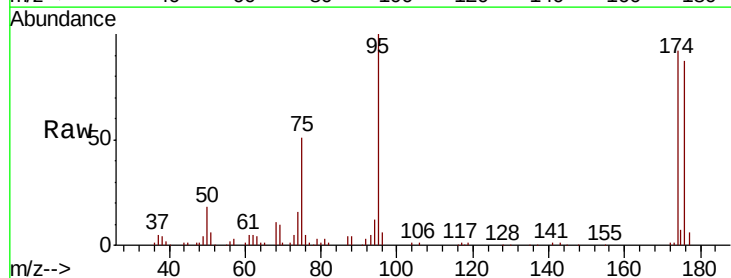
Instrument :
MSVOA_X
ClientSampleId :
SB-3(3-5)

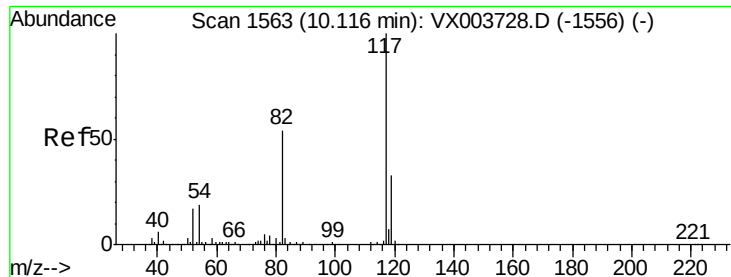
Tot Ion: 98 Resp: 122136
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 22.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Tgt Ion: 95 Resp: 30953
Ion Ratio Lower Upper
95 100
174 90.8 0.0 186.2
176 87.4 0.0 179.2

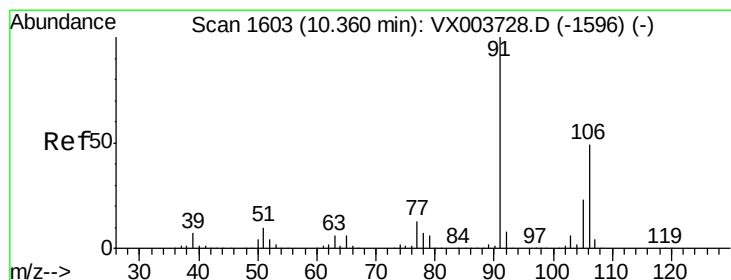
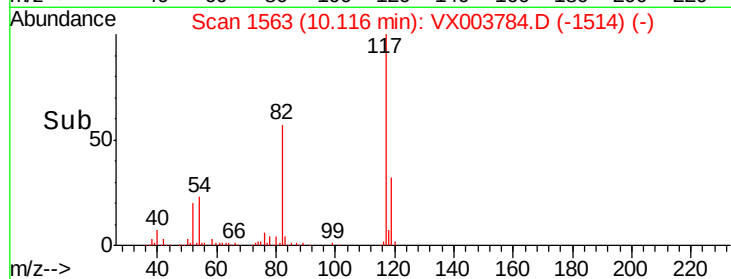
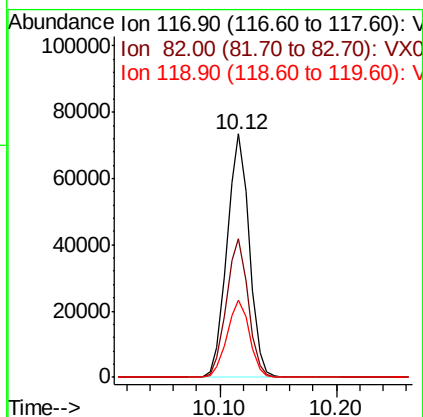
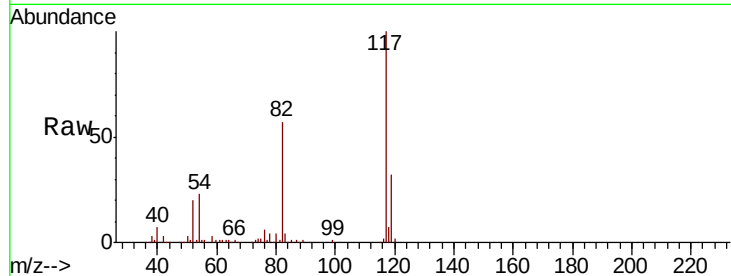




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

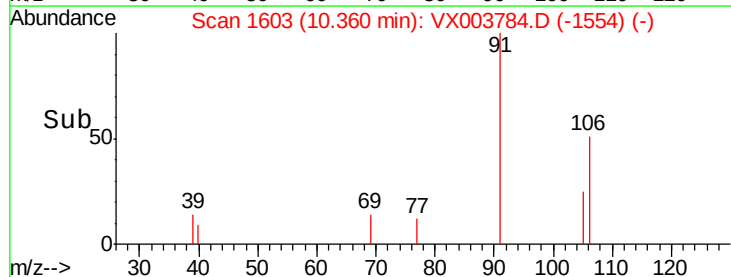
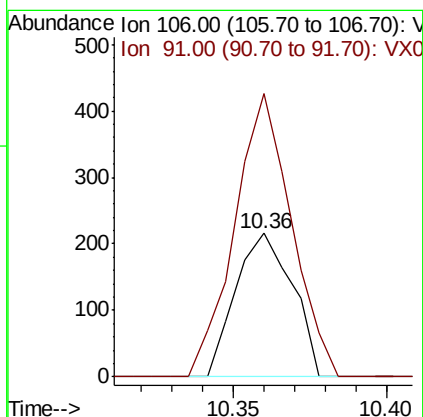
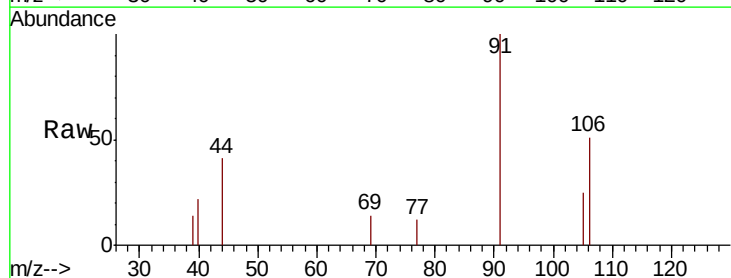
Instrument :
MSVOA_X
ClientSampled :
SB-3(3-5)

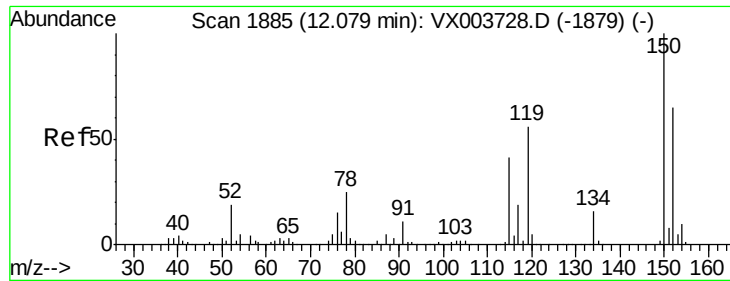
Tot Ion:117 Resp: 97401
Ion Ratio Lower Upper
117 100
82 56.8 43.2 64.8
119 31.7 26.3 39.5



#68
m/p-Xylenes
Concen: 0.21 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003784.D
Acq: 01 Aug 2018 07:15

Tgt Ion:106 Resp: 277
Ion Ratio Lower Upper
106 100
91 197.8 159.8 239.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampleId :

SB-3(3-5)

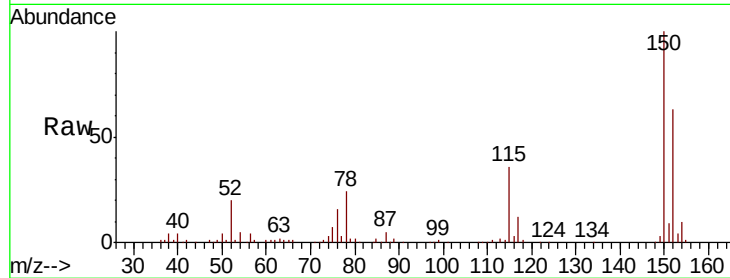
Tot Ion:152 Resp: 34633

Ion Ratio Lower Upper

152 100

115 56.6 38.5 115.3

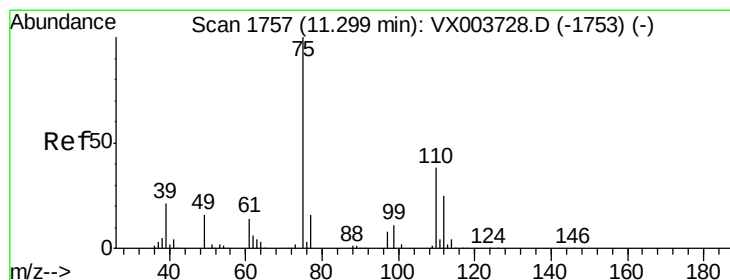
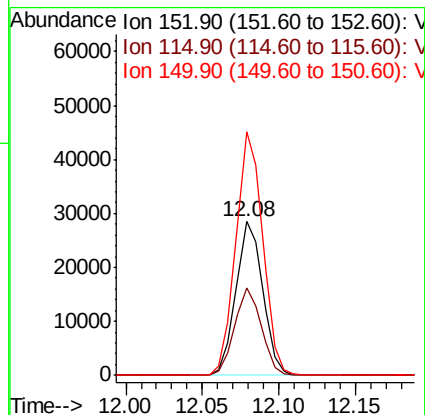
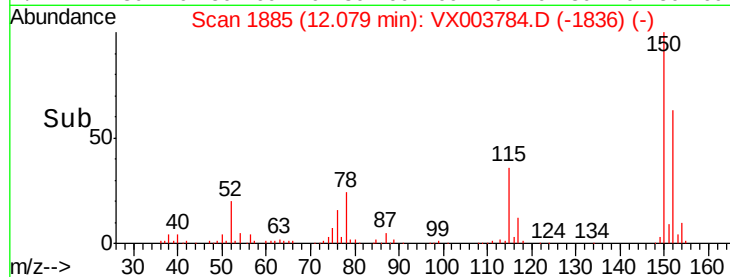
150 159.3 0.0 346.2



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: 32.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003784.D

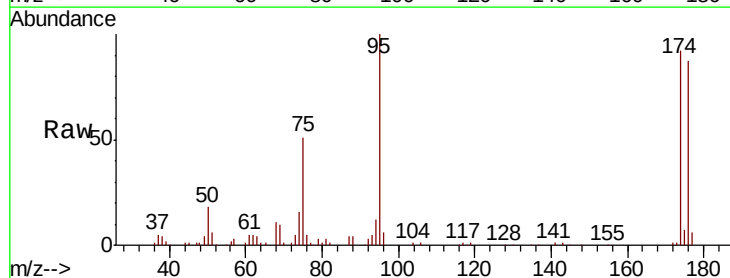
Acq: 01 Aug 2018 07:15

Tgt Ion: 75 Resp: 15724

Ion Ratio Lower Upper

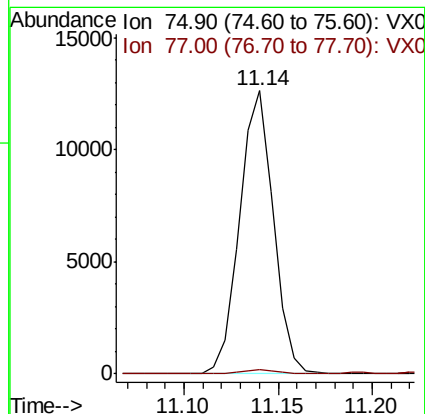
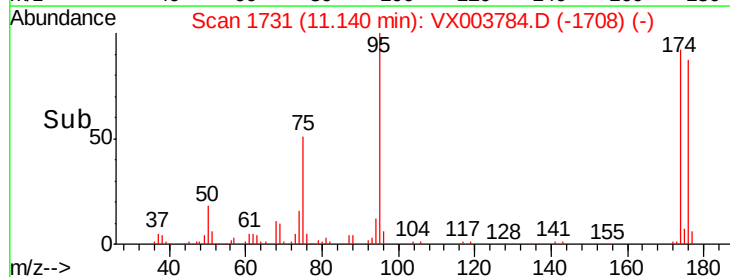
75 100

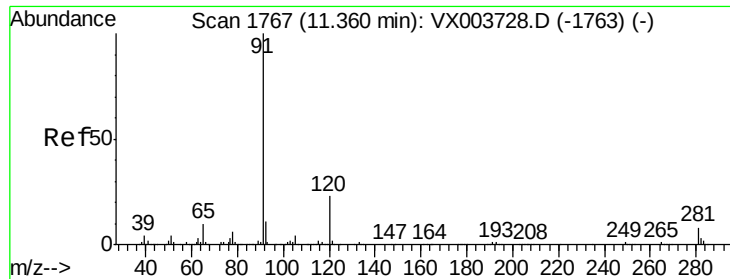
77 1.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.21 ug/l

RT: 11.49 min Scan# 1789

Delta R.T. 0.13 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampled :

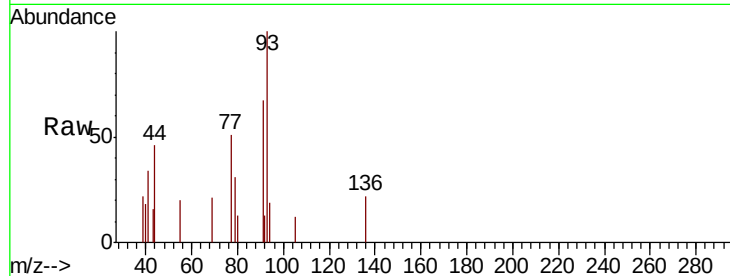
SB-3(3-5)

Tot Ion: 91 Resp: 557

Ion Ratio Lower Upper

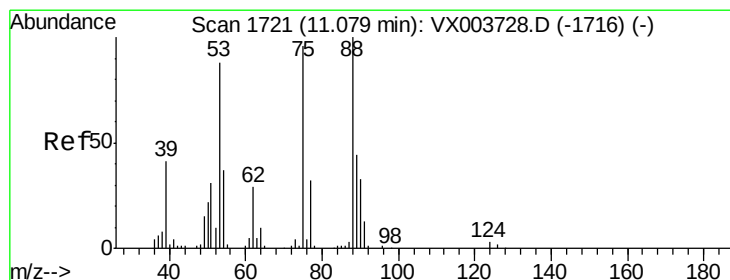
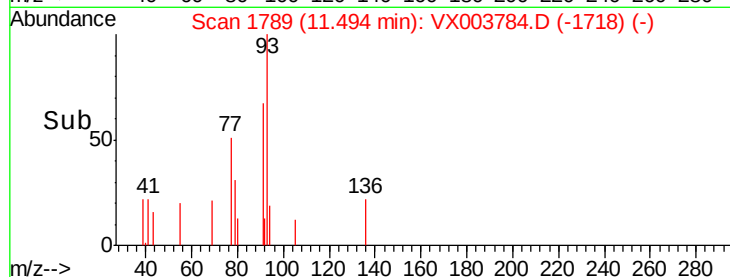
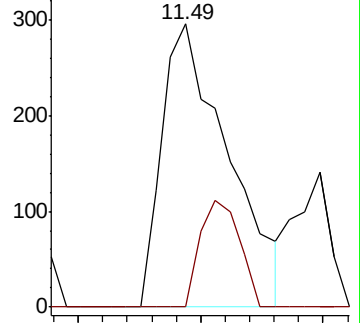
91 100

120 22.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 97.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

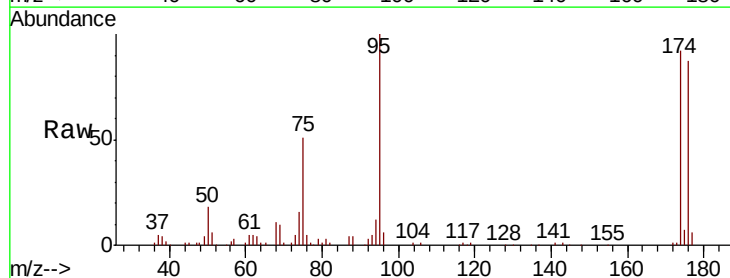
Tgt Ion: 75 Resp: 15724

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

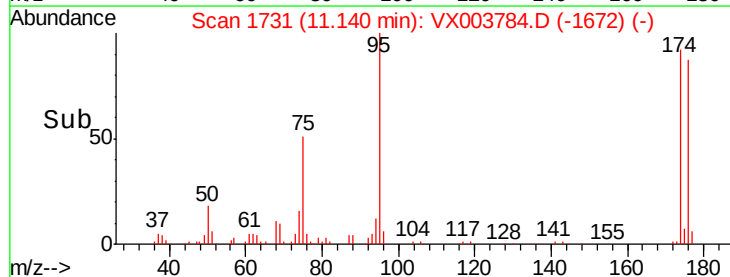
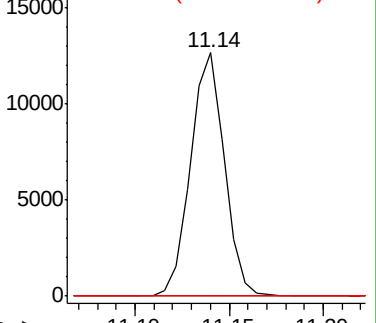
89 0.0 39.1 58.7#

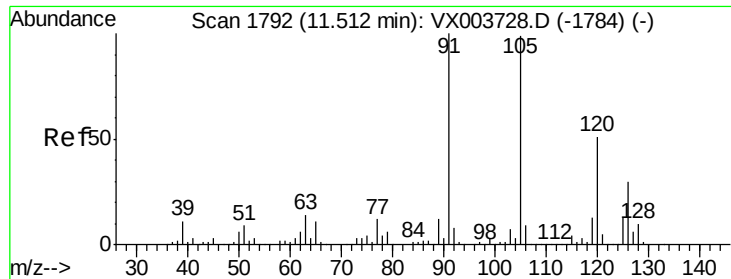


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

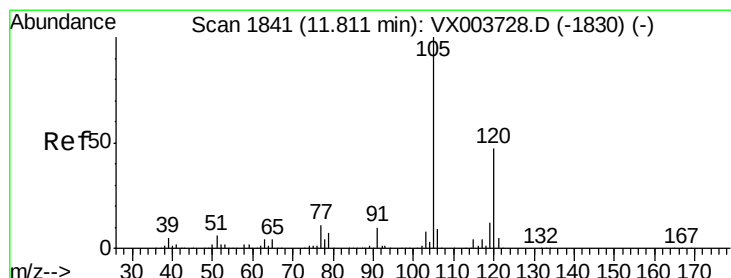
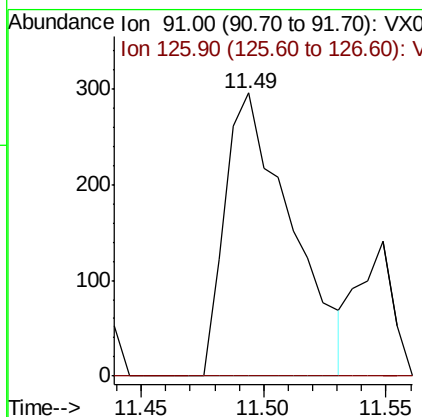
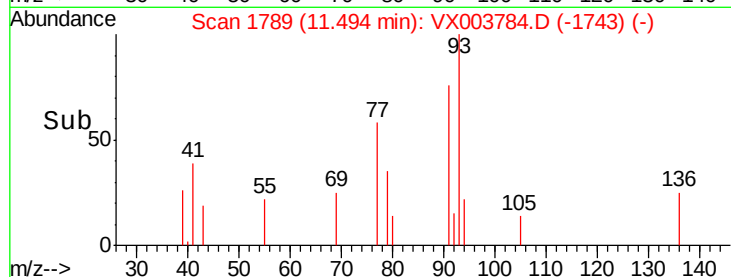
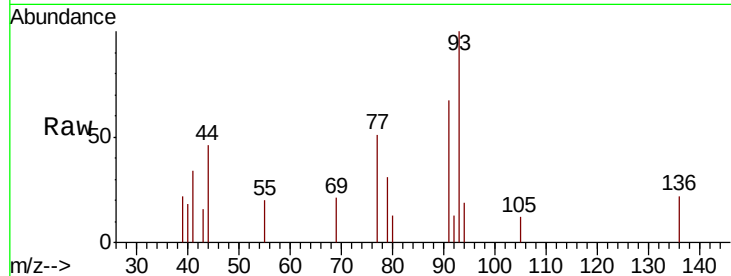




#82
 4-Chlorotoluene
 Concen: 0.31 ug/l
 RT: 11.49 min Scan# 1789
 Delta R.T. -0.02 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

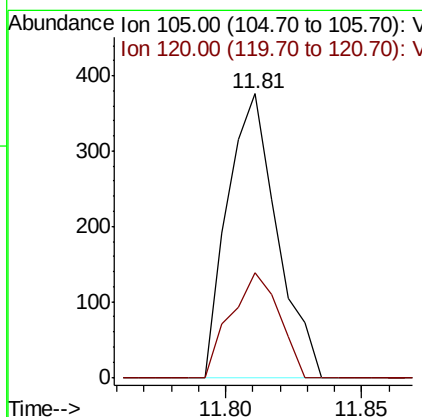
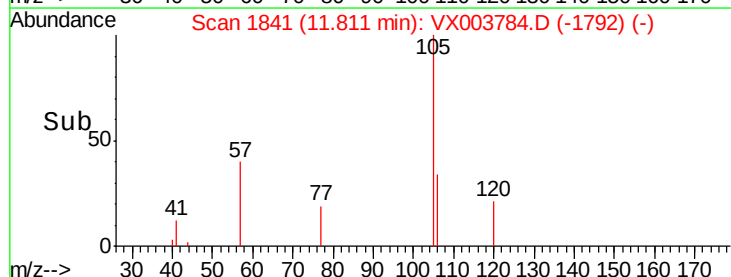
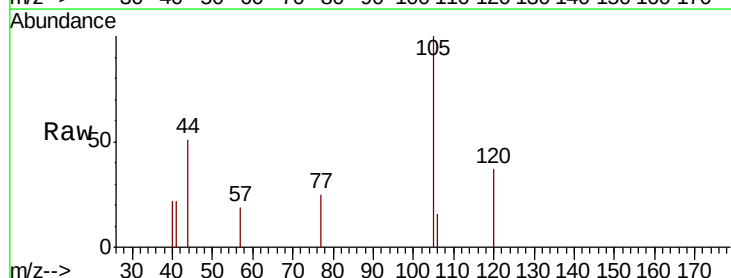
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

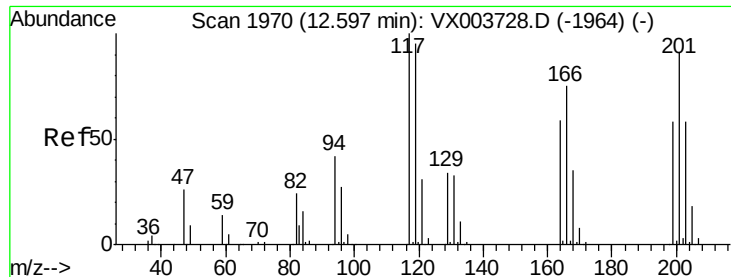
Tot Ion: 91 Resp: 557
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.6 46.7#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.25 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Tgt Ion:105 Resp: 473
 Ion Ratio Lower Upper
 105 100
 120 35.7 23.1 69.2





#90

Hexachloroethane

Concen: 0.32 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

Instrument :

MSVOA_X

ClientSampled :

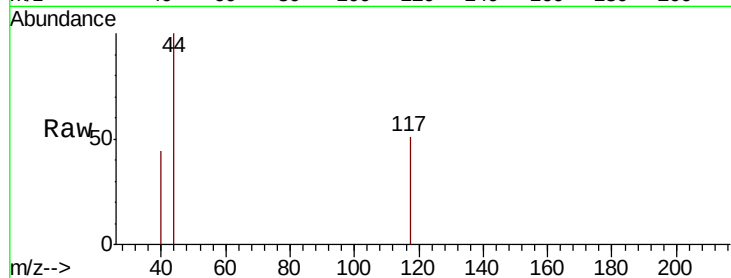
SB-3(3-5)

Tot Ion:117 Resp: 102

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.76

100

80

60

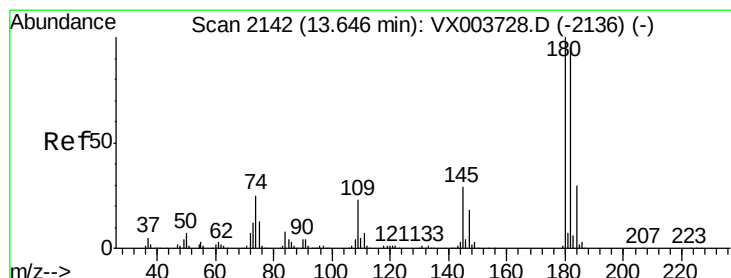
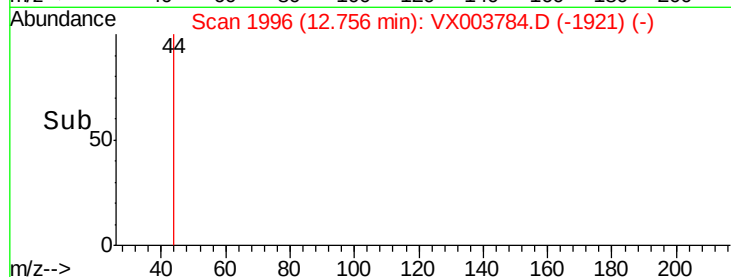
40

20

0

12.72 12.74 12.76 12.78

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.20 ug/l

RT: 13.65 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VX003784.D

Acq: 01 Aug 2018 07:15

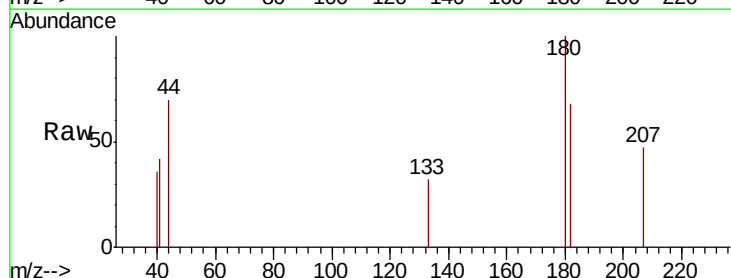
Tgt Ion:180 Resp: 172

Ion Ratio Lower Upper

180 100

182 73.8 47.6 142.9

145 0.0 14.1 42.2#



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

13.65

200

150

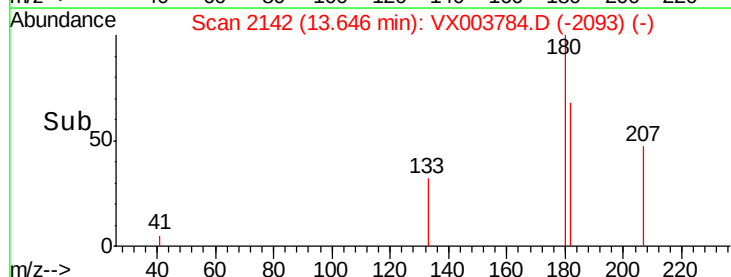
100

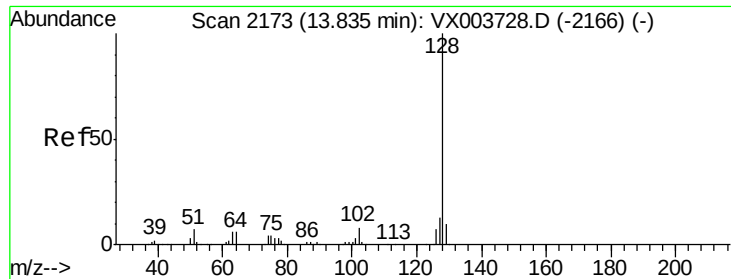
50

0

13.62 13.64 13.66 13.68

Time-->

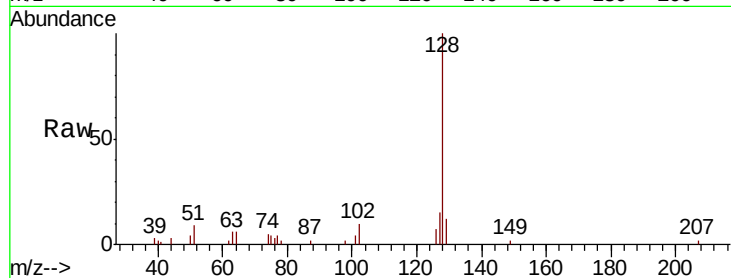




#95
 Naphthalene
 Concen: 2.75 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003784.D
 Acq: 01 Aug 2018 07:15

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-3(3-5)

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.2
129	11.4	8.7	13.1



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

