

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003759.D
 Acq On : 31 Jul 2018 19:05
 Operator : JC/SP
 Sample : J4109-03RE
 Misc : 9.07G/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

Quant Time: Aug 01 01:30:11 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	5.67	168	60656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	105490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	83911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	35078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	41865	68.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.48%	
35) Dibromofluoromethane	5.51	113	31071	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.72	98	124816	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	35815	37.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.02%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	149	0.23	ug/l	# 42
5) Bromomethane	1.64	94	182	Below	Cal	# 77
6) Chloroethane	1.67	64	526	1.15	ug/l	# 42
11) Tert butyl alcohol	3.01	59	4819	48.51	ug/l	# 75
13) Acrolein	2.29	56	493	15.17	ug/l	100
16) Acetone	2.44	43	35825	152.89	ug/l	92
17) Carbon Disulfide	2.57	76	5525	3.13	ug/l	96
18) Methyl Acetate	2.78	43	1626	2.47	ug/l	96
25) 2-Butanone	4.69	43	11736	34.36	ug/l	# 90
26) 2,2-Dichloropropane	4.74	77	1083	1.36	ug/l	# 51
30) Chloroform	5.21	83	381	0.38	ug/l	95
31) Cyclohexane	5.59	56	506	0.52	ug/l	# 76
36) 1,1-Dichloropropene	5.67	75	4369	4.42	ug/l	# 47
37) Ethyl Acetate	4.69	43	11736	15.47	ug/l	# 68
38) Carbon Tetrachloride	5.67	117	5655	6.19	ug/l	# 16
39) Methylcyclohexane	7.46	83	1841	1.52	ug/l	# 91
40) Benzene	6.15	78	102300	36.14	ug/l	93
41) Methacrylonitrile	5.31	41	526	1.23	ug/l	# 26
42) 1,2-Dichloroethane	6.15	62	885	1.04	ug/l	# 73
51) 4-Methyl-2-Pentanone	8.66	43	304	0.41	ug/l	# 35
52) Toluene	8.79	92	6614	3.75	ug/l	97
55) 1,1,2-Trichloroethane	9.17	97	143	0.24	ug/l	# 15
56) Ethyl methacrylate	9.04	69	249	0.30	ug/l	# 24
58) 2-Chloroethyl Vinyl ether	8.57	63	93	16.35	ug/l	# 47
67) Ethyl Benzene	10.26	91	147742	49.90	ug/l	99
68) m/p-Xylenes	10.36	106	34669	29.93	ug/l	99
69) o-Xylene	10.70	106	21926	20.39	ug/l	96
70) Styrene	10.71	104	3120	1.72	ug/l	# 1
73) Isopropylbenzene	11.02	105	34740	15.82	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	237	0.42	ug/l	# 26
76) 1,2,3-Trichloropropane	11.14	75	17550	36.30	ug/l	# 33
78) n-propylbenzene	11.36	91	14221	5.35	ug/l	98
79) 2-Chlorotoluene	11.44	91	8312	5.50	ug/l	76
80) 1,3,5-Trimethylbenzene	11.46	105	138018	73.63	ug/l	99

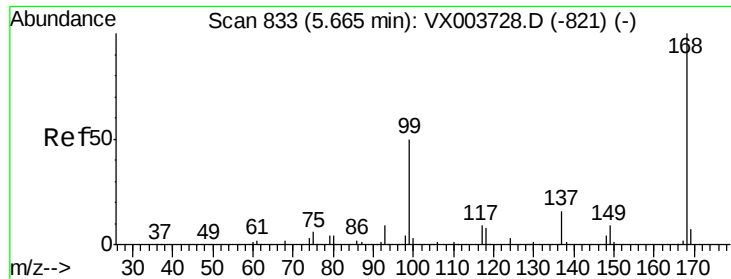
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003759.D
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 SB-12(3-5)RE

Quant Time: Aug 01 01:30:11 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)
81) trans-1,4-Dichloro-2-buten	11.14	75	17550	107.51	ug/l #	11
82) 4-Chlorotoluene	11.44	91	8312	4.54	ug/l	82
83) tert-Butylbenzene	11.81	119	18057	9.74	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.81	105	146302	75.83	ug/l	99
85) sec-Butylbenzene	11.81	105	146302	61.68	ug/l #	56
86) p-Isopropyltoluene	12.07	119	15196	7.05	ug/l #	46
88) 1,4-Dichlorobenzene	12.10	146	310	0.26	ug/l #	54
89) n-Butylbenzene	12.30	91	266075	129.68	ug/l #	44
92) 1,2-Dibromo-3-Chloropropan	12.98	75	267	2.36	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	294	0.34	ug/l #	1
95) Naphthalene	13.85	128	11865641	6490.04	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	203	0.26	ug/l #	1

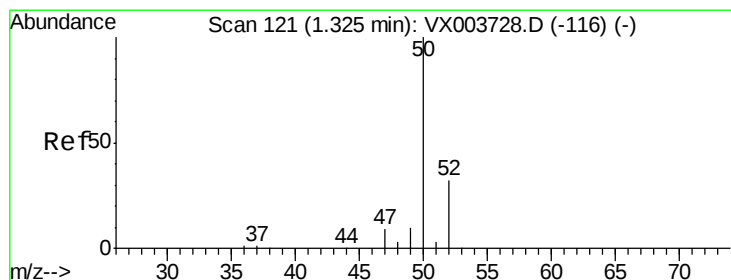
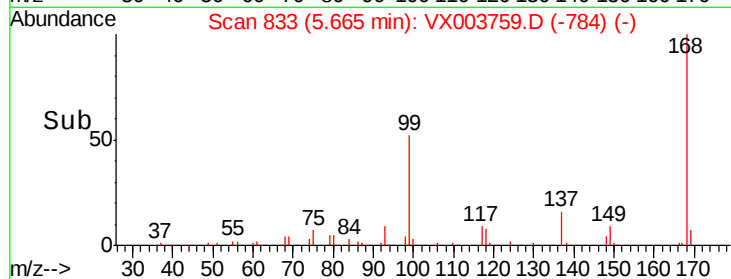
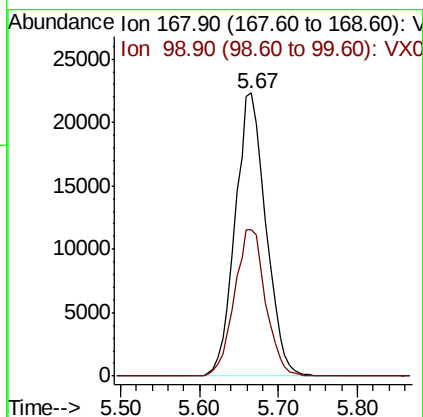
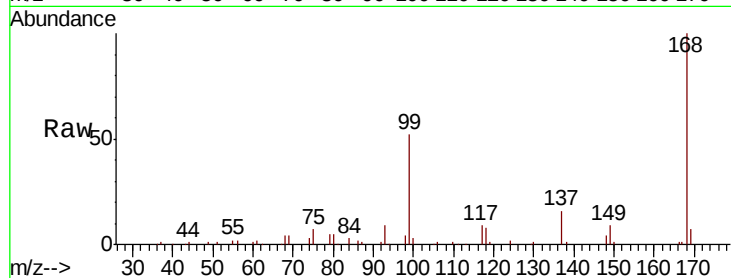
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

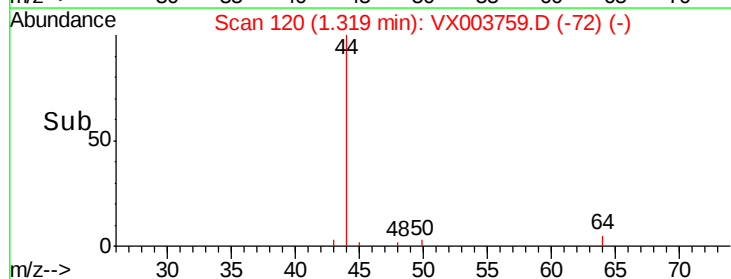
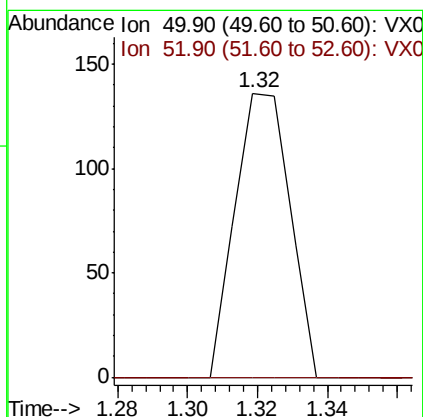
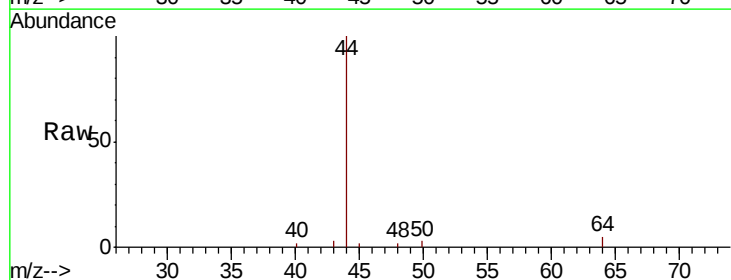
Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

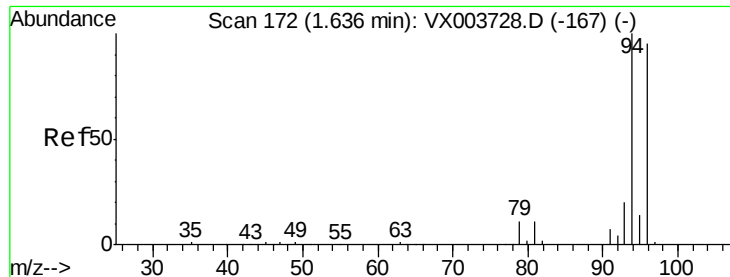
Tot Ion:168 Resp: 60656
Ion Ratio Lower Upper
168 100
99 51.6 40.2 60.2



#3
Chloromethane
Concen: 0.23 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

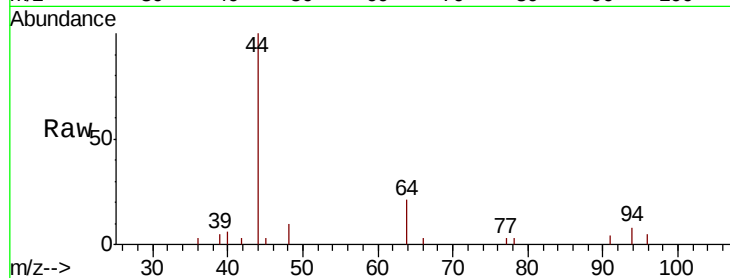
SB-12(3-5)RE

Tot Ion: 94 Resp: 182

Ion Ratio Lower Upper

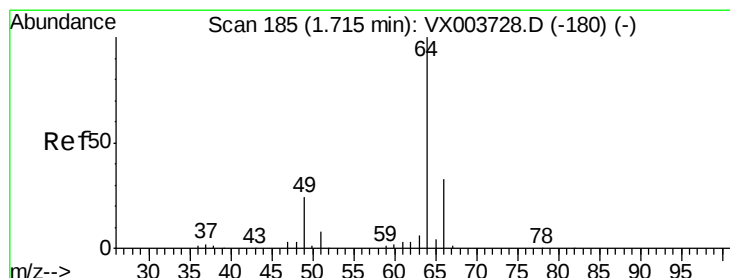
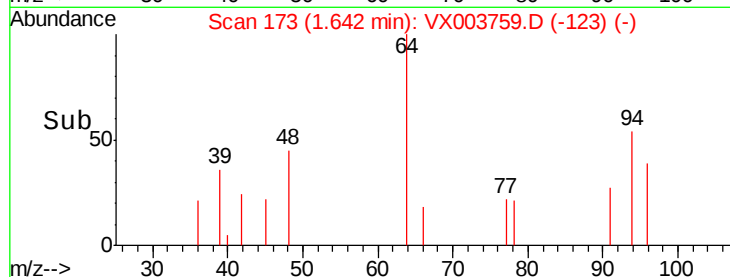
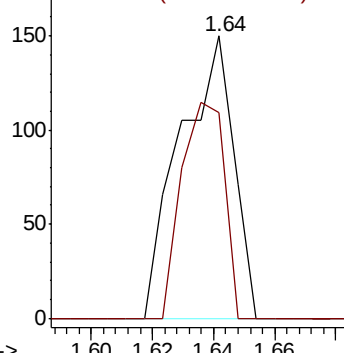
94 100

96 72.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 1.15 ug/l

RT: 1.67 min Scan# 177

Delta R.T. -0.05 min

Lab File: VX003759.D

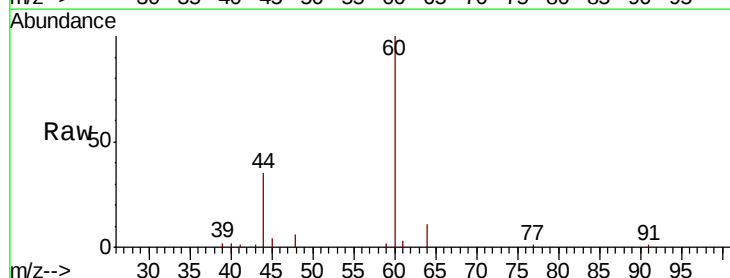
Acq: 31 Jul 2018 19:05

Tgt Ion: 64 Resp: 526

Ion Ratio Lower Upper

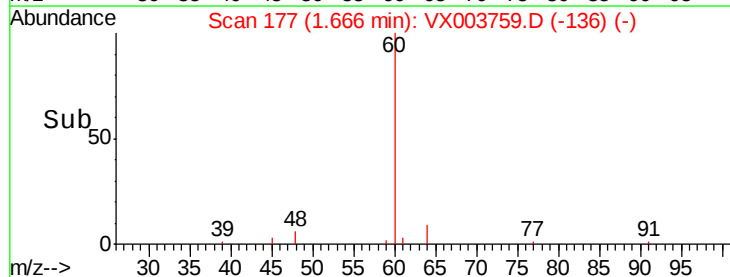
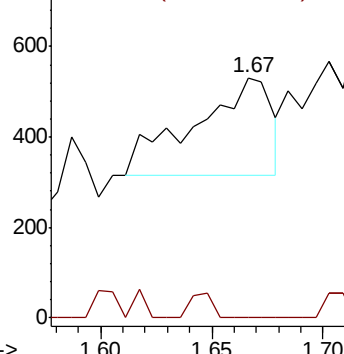
64 100

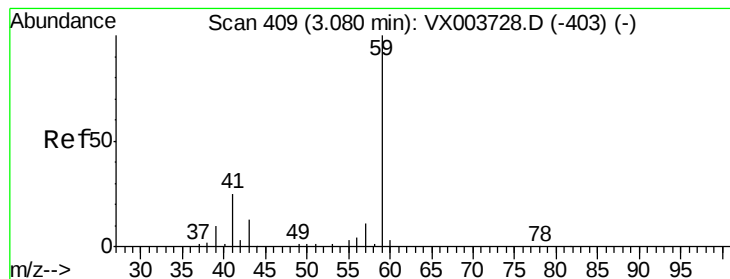
66 0.0 26.4 39.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



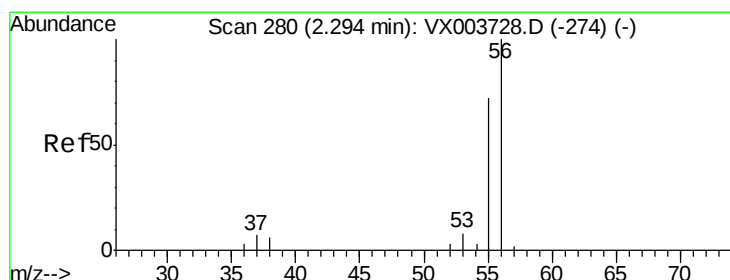
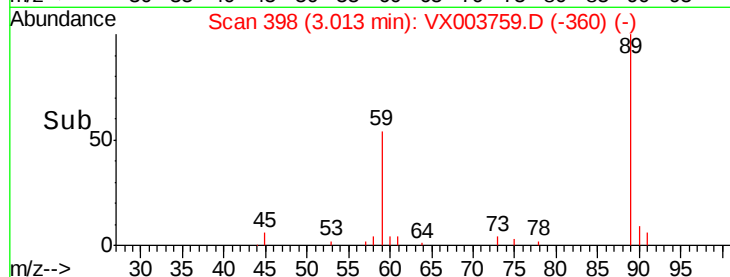
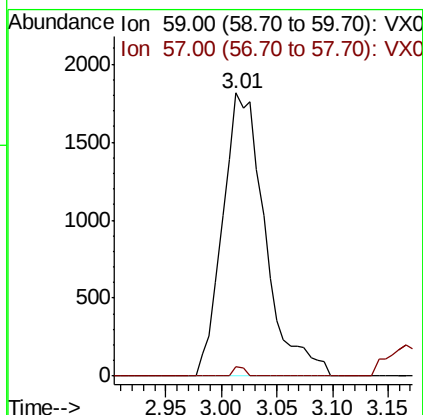
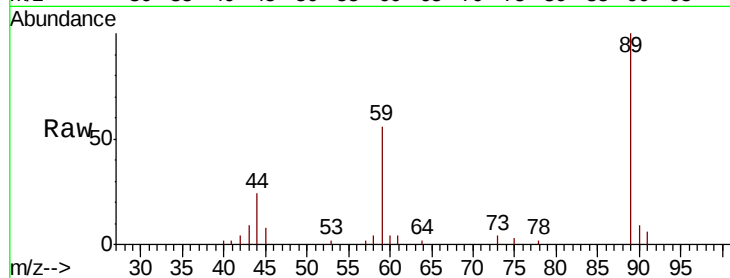


#11

Tert butyl alcohol
 Concen: 48.51 ug/l
 RT: 3.01 min Scan# 398
 Delta R.T. -0.07 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

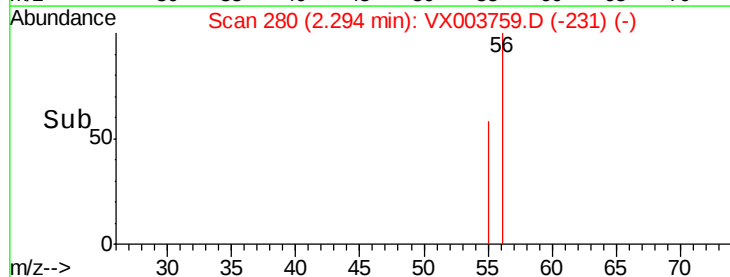
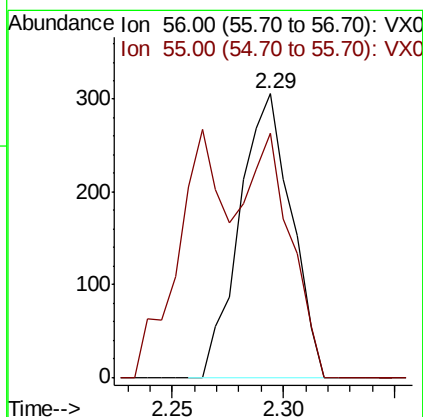
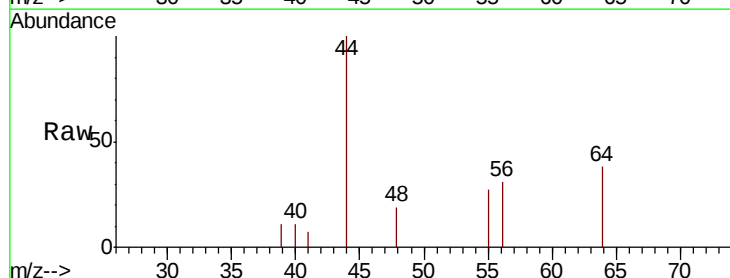
Tot Ion: 59 Resp: 4819
 Ion Ratio Lower Upper
 59 100
 57 0.9 8.1 12.1#

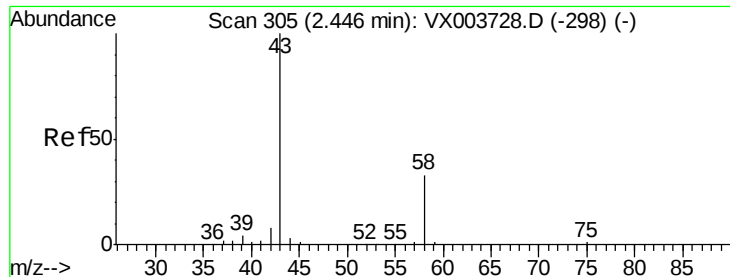


#13

Acrolein
 Concen: 15.17 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion: 56 Resp: 493
 Ion Ratio Lower Upper
 56 100
 55 76.9 61.4 92.0





#16

Acetone

Concen: 152.89 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

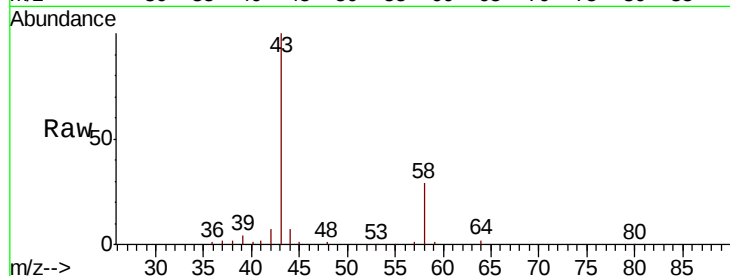
SB-12(3-5)RE

Tot Ion: 43 Resp: 35825

Ion Ratio Lower Upper

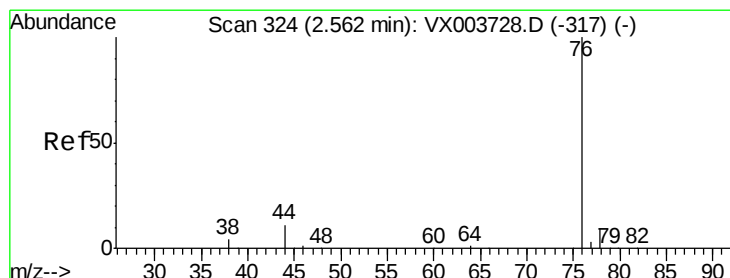
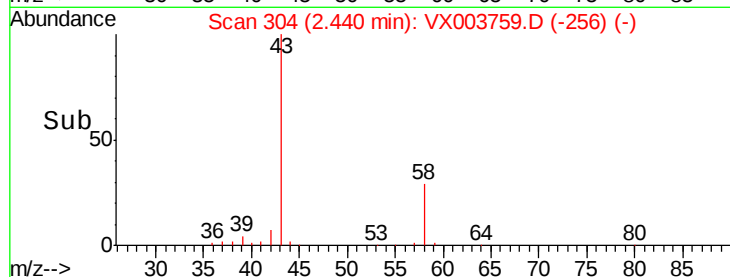
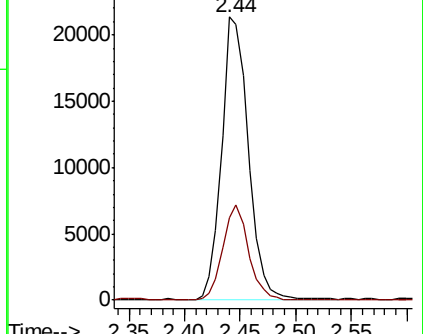
43 100

58 29.0 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: 3.13 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003759.D

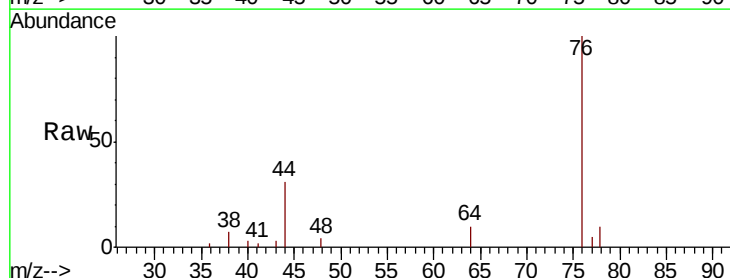
Acq: 31 Jul 2018 19:05

Tgt Ion: 76 Resp: 5525

Ion Ratio Lower Upper

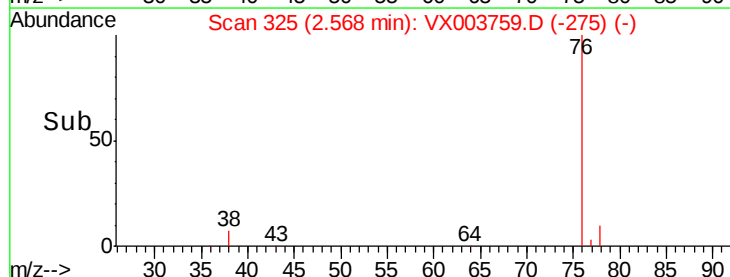
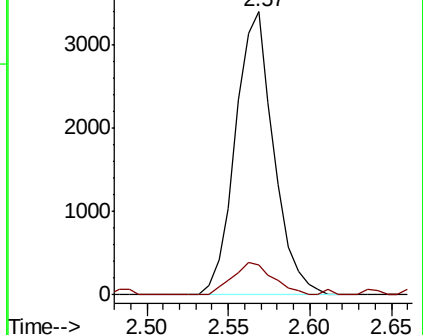
76 100

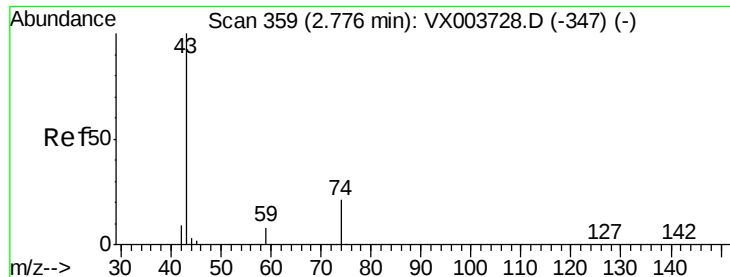
78 10.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

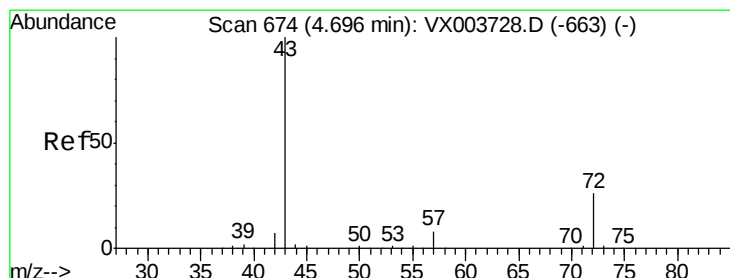
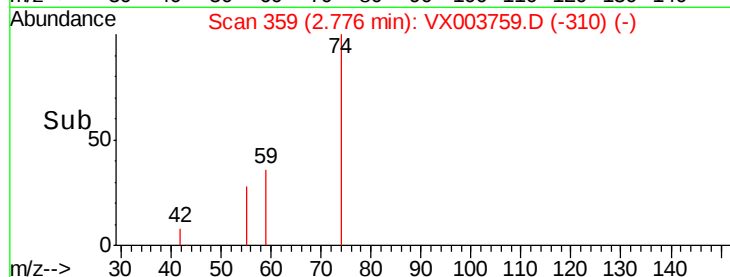
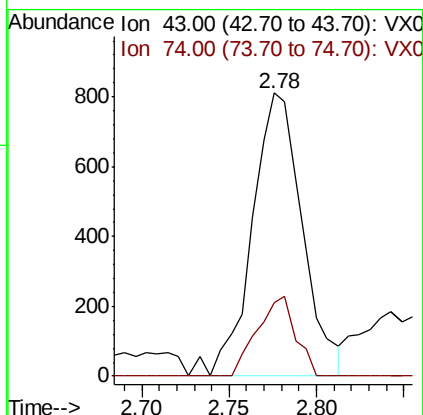
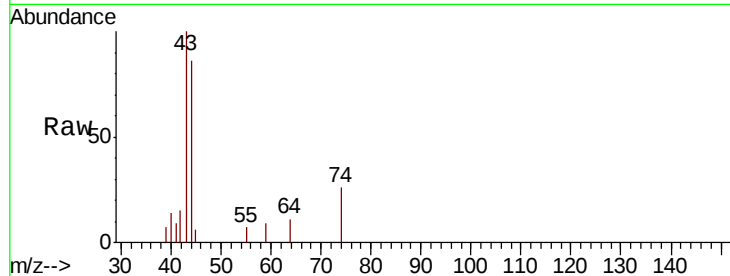




#18
Methyl Acetate
Concen: 2.47 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

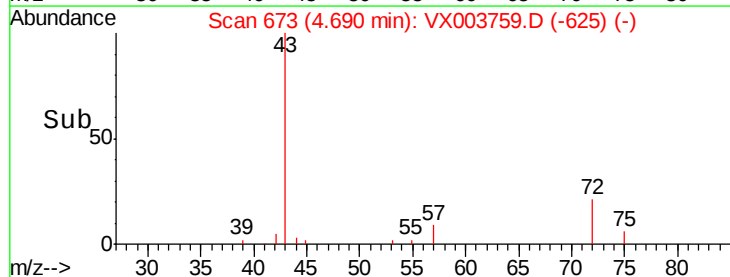
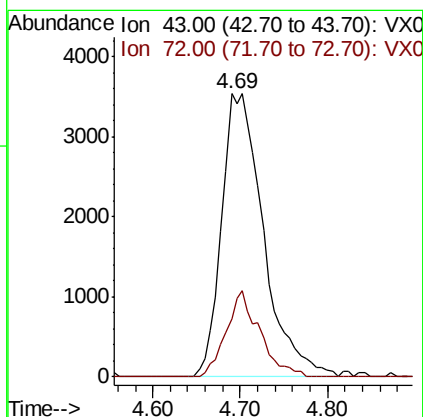
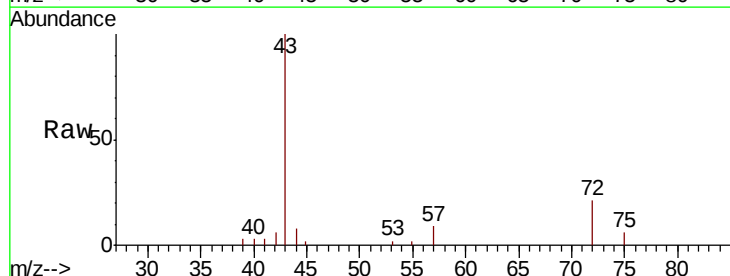
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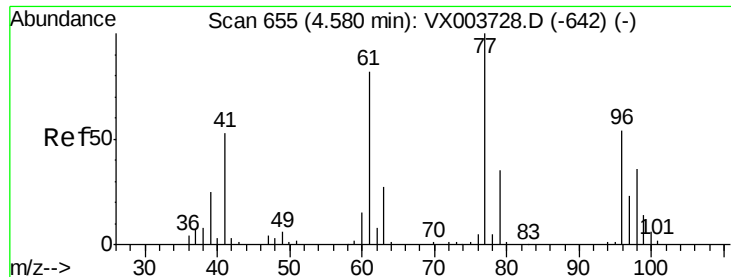
Tot Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
74 21.5 18.9 28.3



#25
2-Butanone
Concen: 34.36 ug/l
RT: 4.69 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion: 43 Resp: 11736
Ion Ratio Lower Upper
43 100
72 20.7 20.9 31.3#

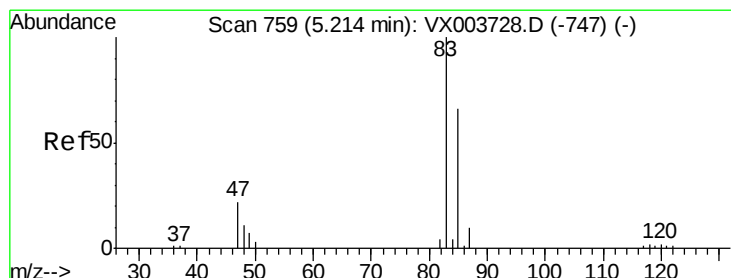
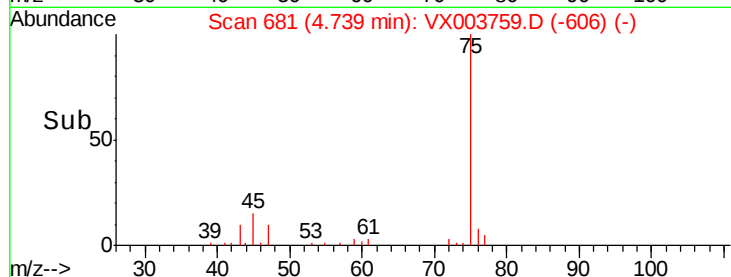
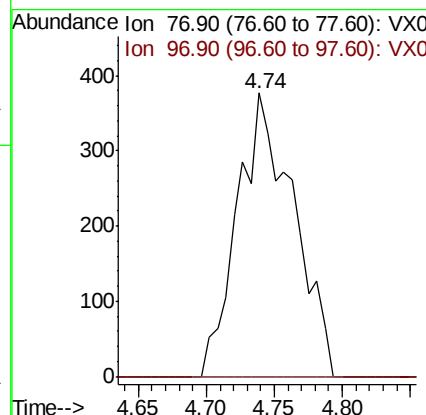
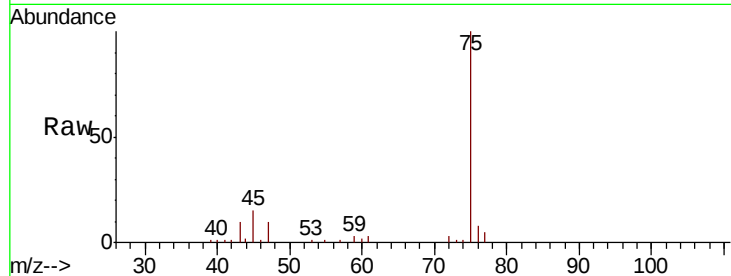




#26
 2,2-Dichloropropane
 Concen: 1.36 ug/l
 RT: 4.74 min Scan# 681
 Delta R.T. 0.16 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

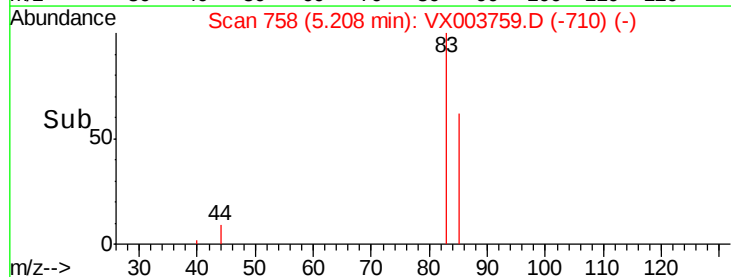
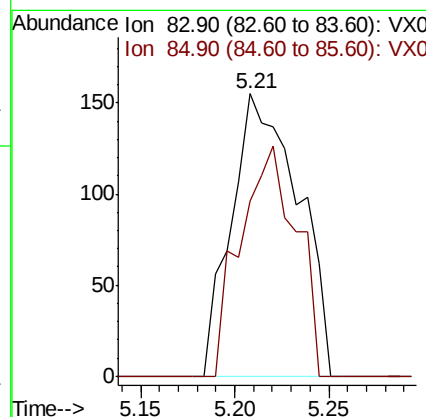
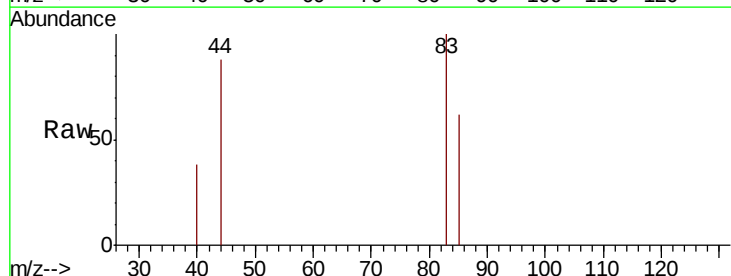
Instrument :
 MSVOA_X
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 SB-12(3-5)RE

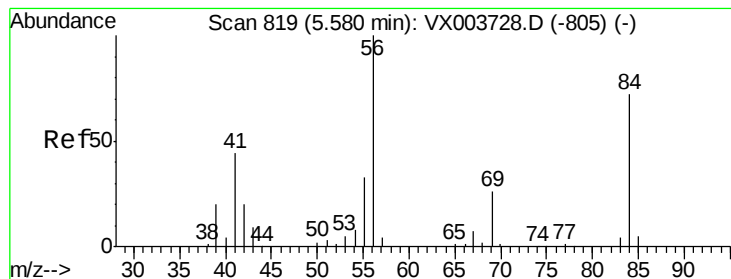
Tot Ion: 77 Resp: 1083
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#30
 Chloroform
 Concen: 0.38 ug/l
 RT: 5.21 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion: 83 Resp: 381
 Ion Ratio Lower Upper
 83 100
 85 61.9 52.8 79.2





#31

Cyclohexane

Concen: 0.52 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

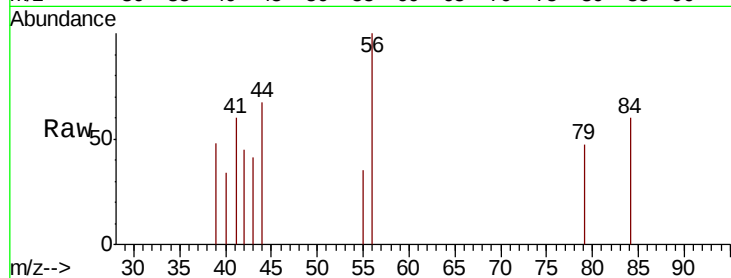
MSVOA_X

ClientSampleId :

SB-12(3-5)RE

Tot Ion: 56 Resp: 506

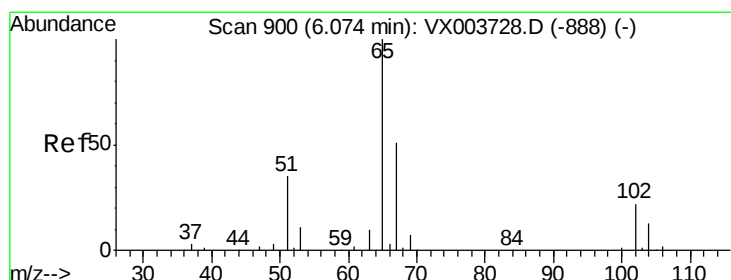
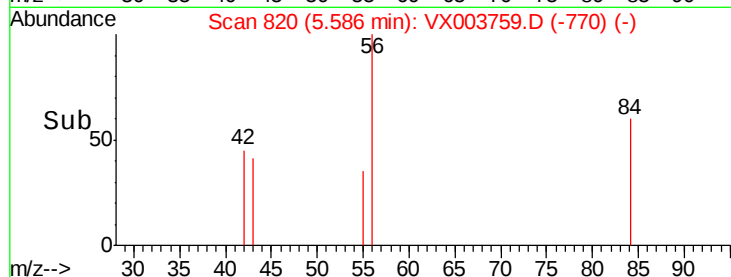
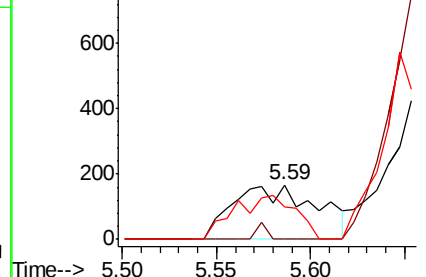
Ion	Ratio	Lower	Upper
56	100		
69	0.0	20.6	30.8#
84	60.5	57.9	86.9



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: 68.24 ug/l

RT: 6.07 min Scan# 900

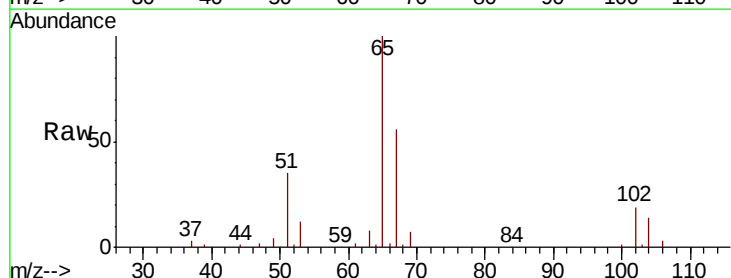
Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

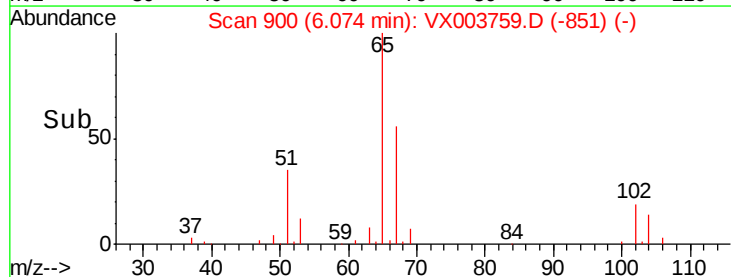
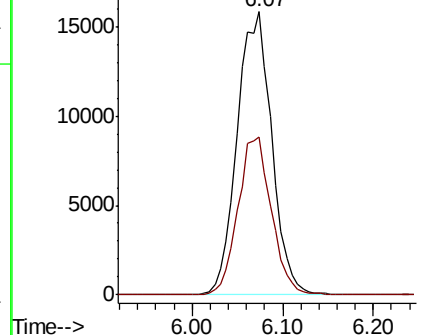
Tgt Ion: 65 Resp: 41865

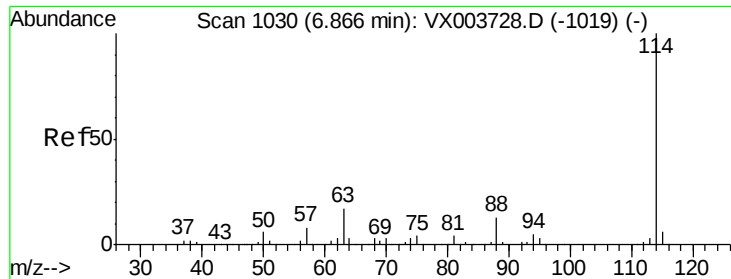
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

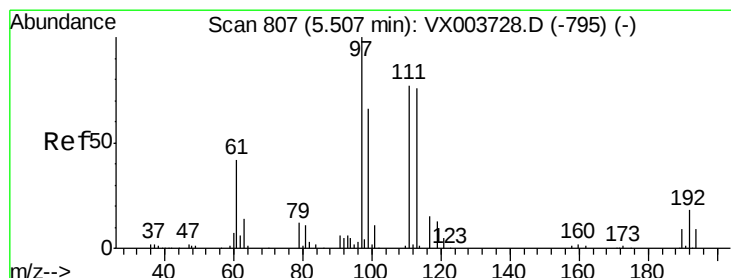
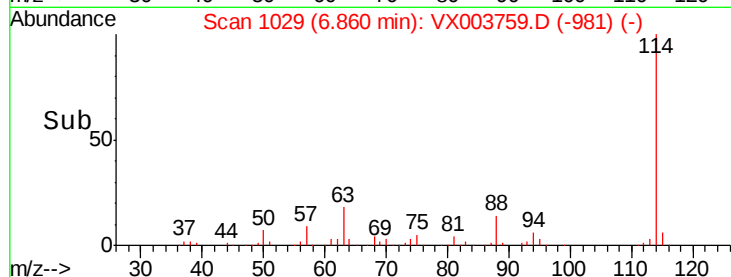
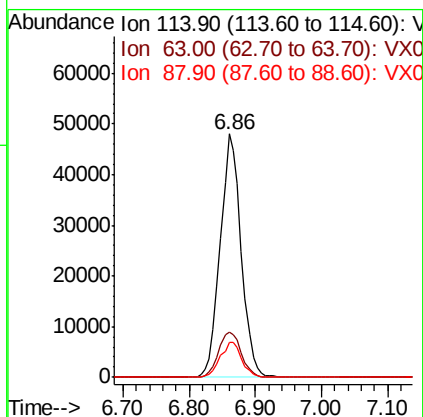
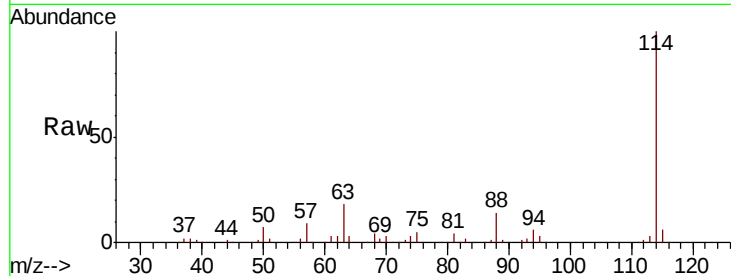




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

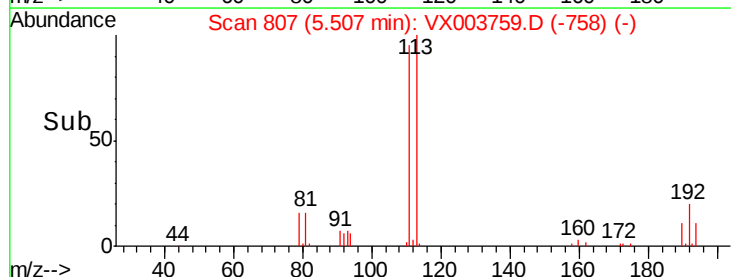
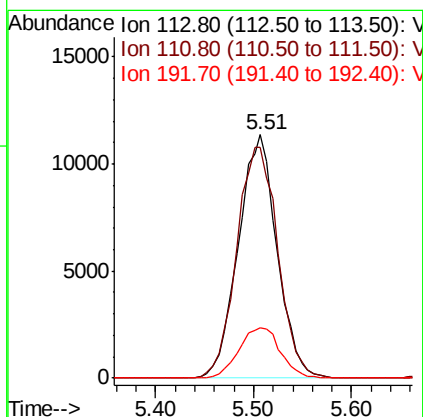
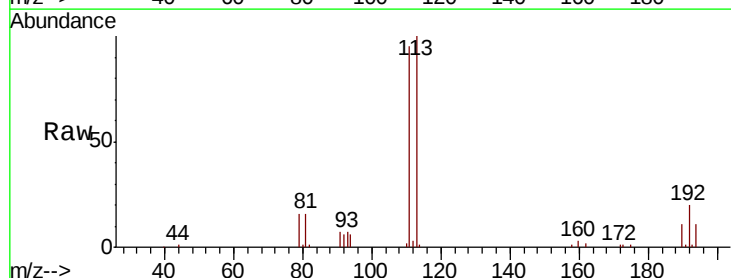
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

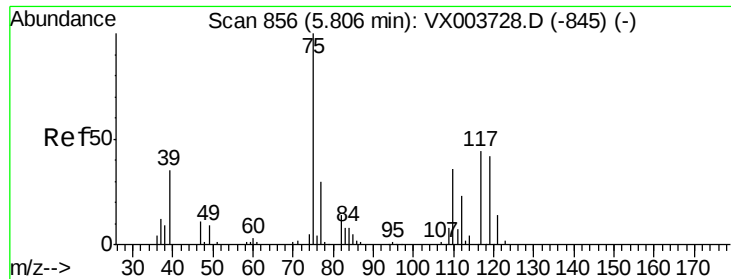
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.0
88	14.4	0.0	26.4



#35
 Dibromofluoromethane
 Concen: 50.02 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	22.1	18.8	28.2

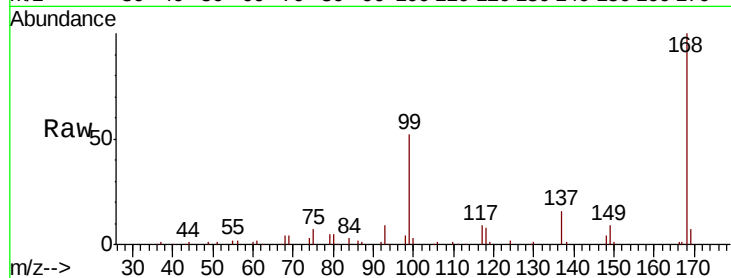




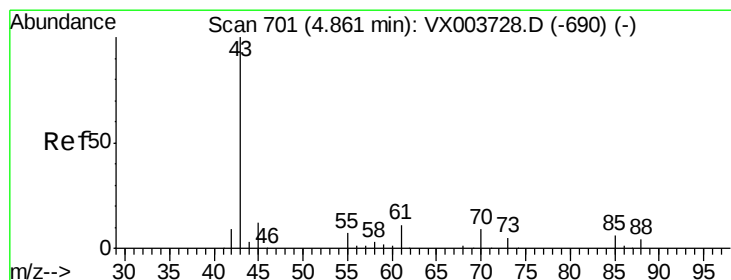
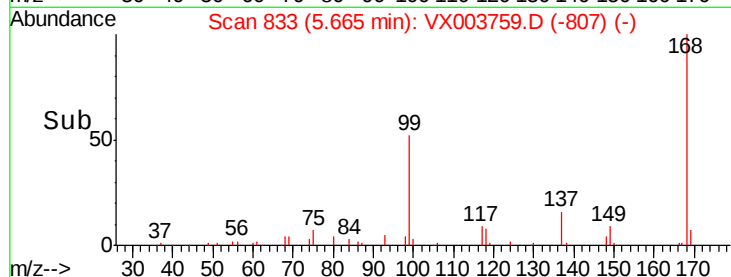
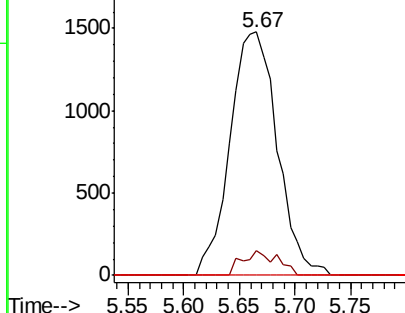
#36
 1,1-Dichloropropene
 Concen: 4.42 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	18.3	54.8#
77	0.0	25.1	37.7#

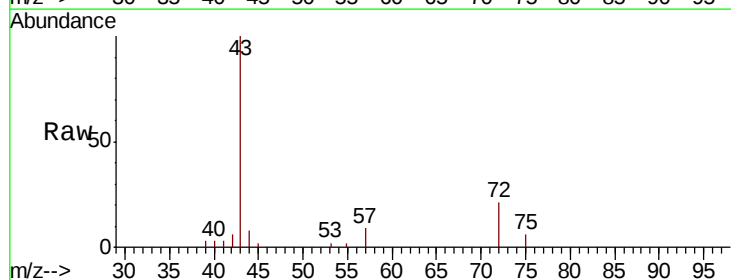


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

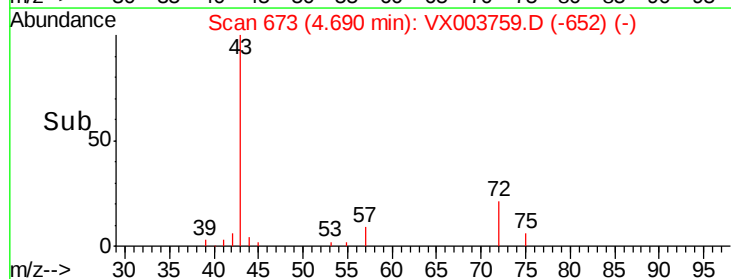
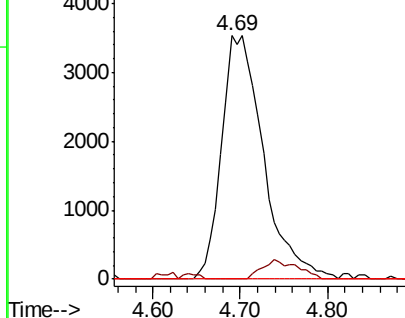


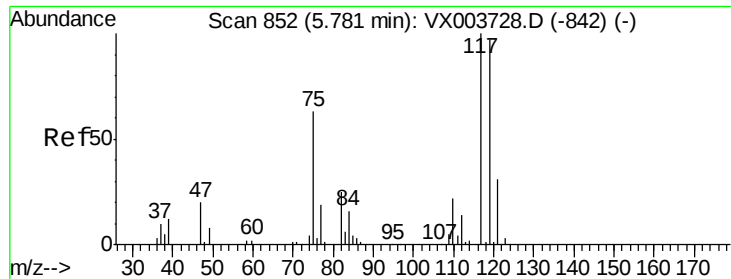
#37
 Ethyl Acetate
 Concen: 15.47 ug/l
 RT: 4.69 min Scan# 673
 Delta R.T. -0.17 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

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



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.19 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

SB-12(3-5)RE

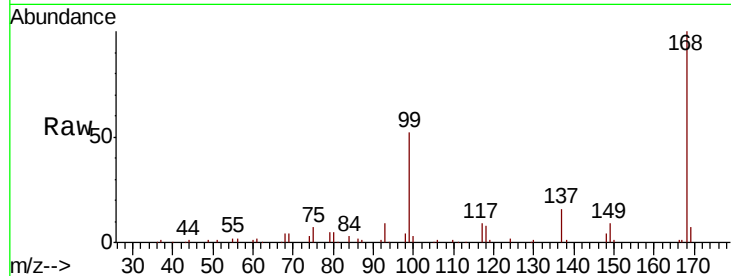
Tot Ion:117 Resp: 5655

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

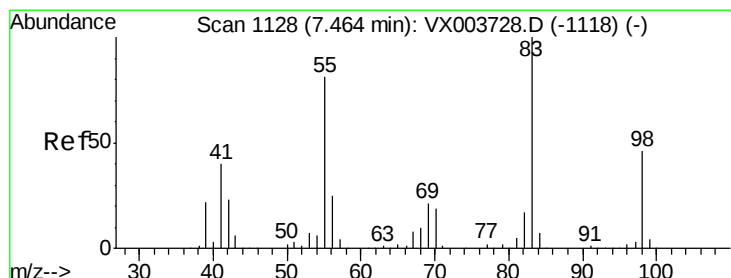
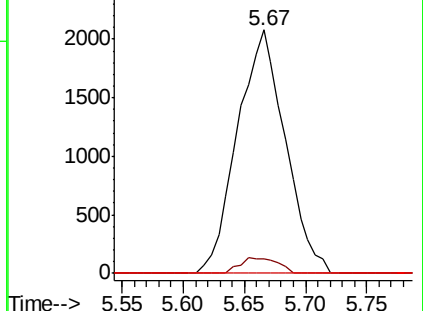
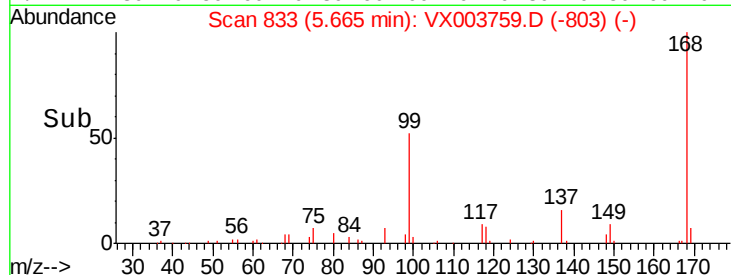
121 0.0 25.0 37.4#



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



#39

Methylcyclohexane

Concen: 1.52 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

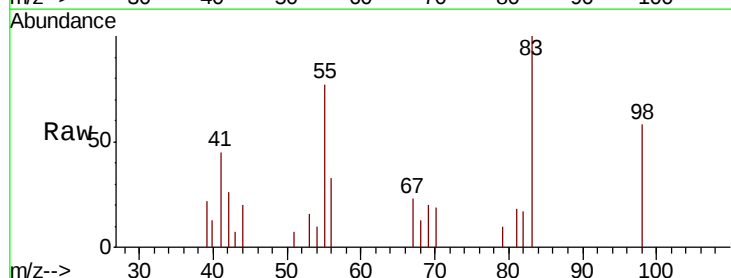
Tgt Ion: 83 Resp: 1841

Ion Ratio Lower Upper

83 100

55 77.3 65.0 97.6

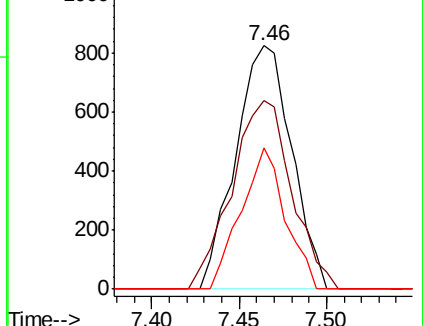
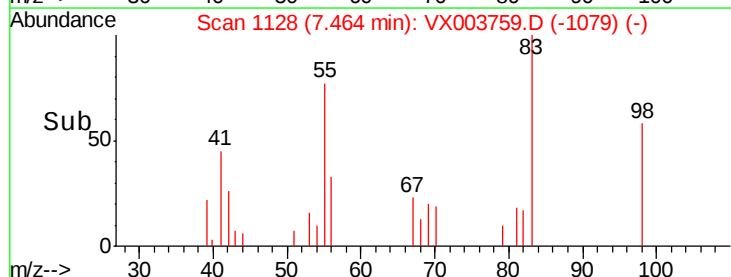
98 58.1 37.1 55.7#

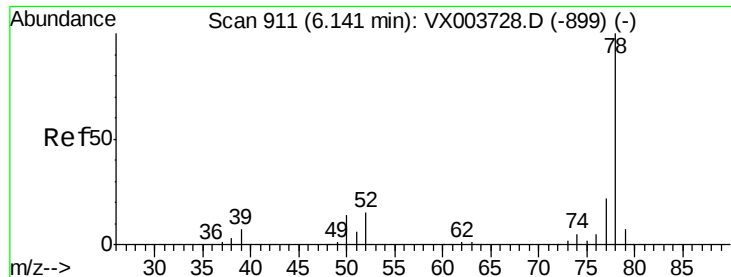


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 36.14 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

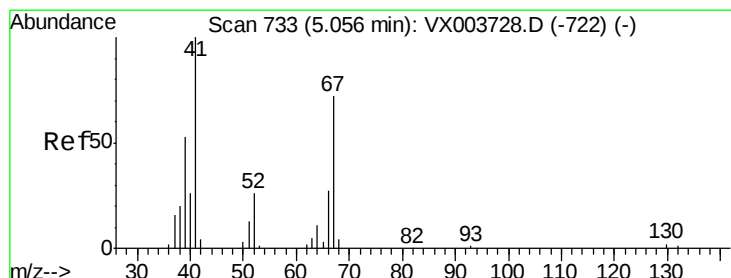
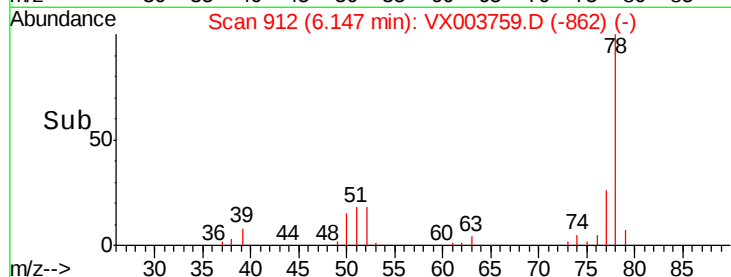
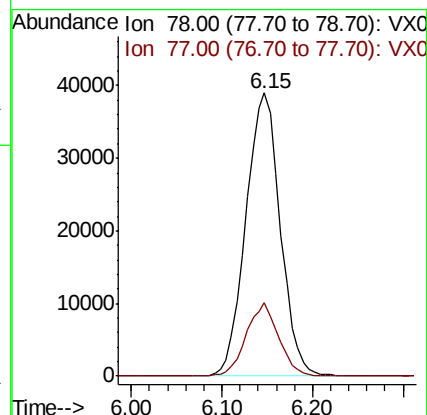
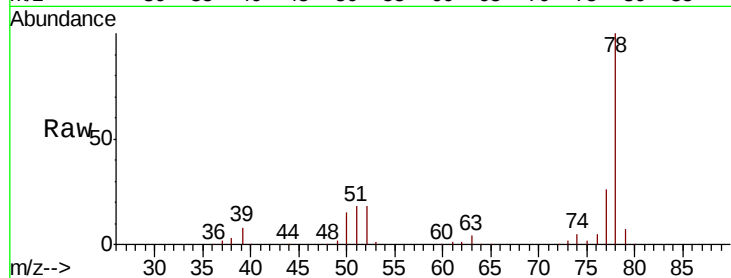
SB-12(3-5)RE

Tot Ion: 78 Resp: 102300

Ion Ratio Lower Upper

78 100

77 25.7 17.9 26.9



#41

Methacrylonitrile

Concen: 1.23 ug/l

RT: 5.31 min Scan# 775

Delta R.T. 0.26 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Tgt Ion: 41 Resp: 526

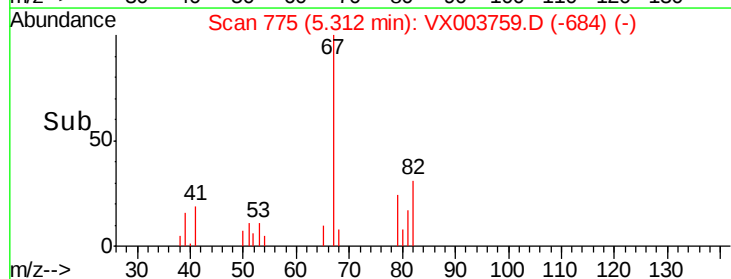
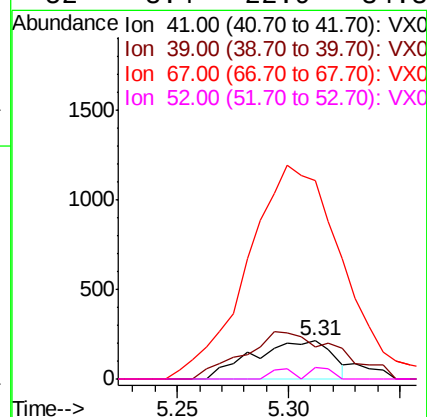
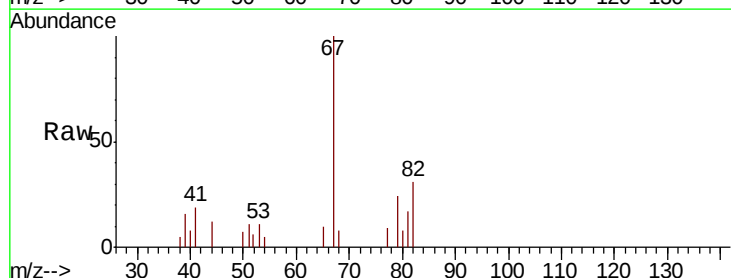
Ion Ratio Lower Upper

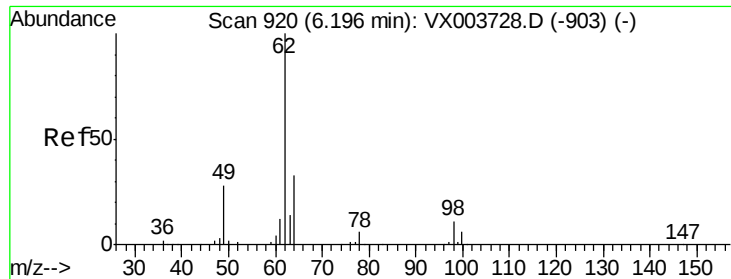
41 100

39 0.0 42.6 64.0#

67 0.0 58.9 88.3#

52 8.4 22.9 34.3#





#42

1,2-Dichloroethane

Concen: 1.04 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.05 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

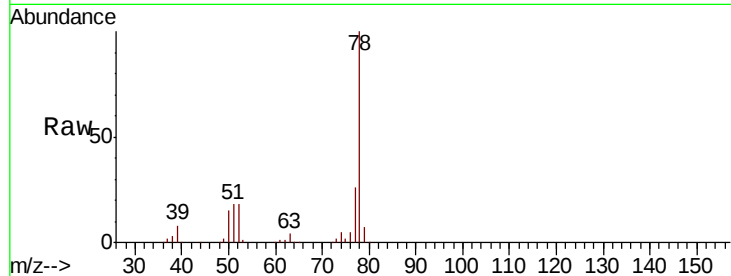
SB-12(3-5)RE

Tot Ion: 62 Resp: 885

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.15

400

300

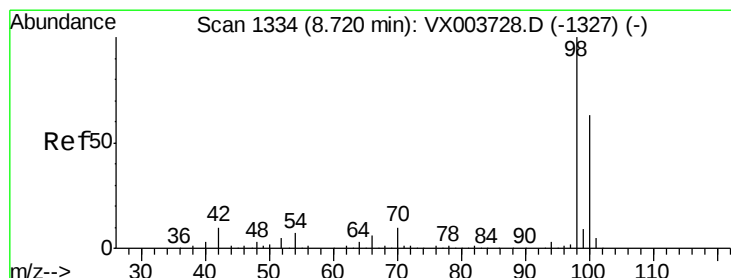
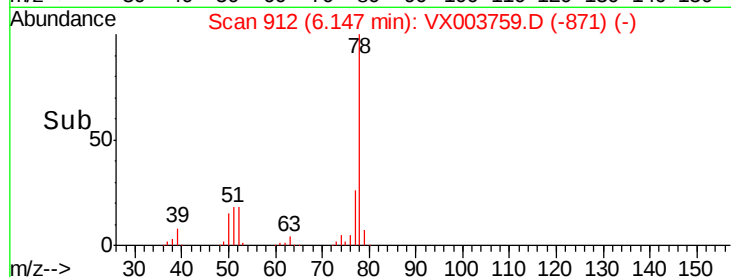
200

100

0

6.10 6.15 6.20

Time-->



#50

Toluene-d8

Concen: 48.20 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003759.D

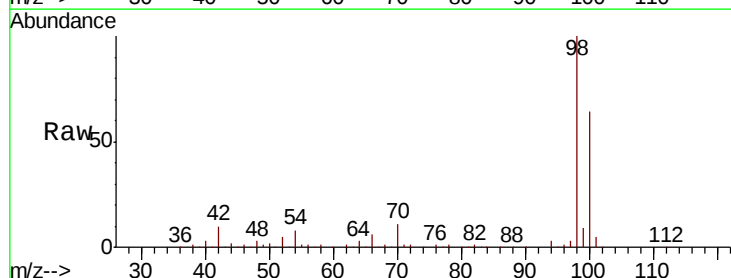
Acq: 31 Jul 2018 19:05

Tgt Ion: 98 Resp: 124816

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.72

80000

60000

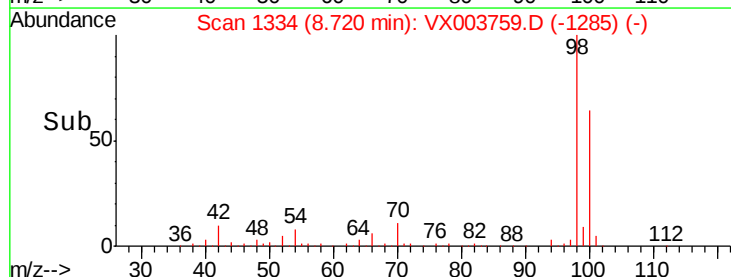
40000

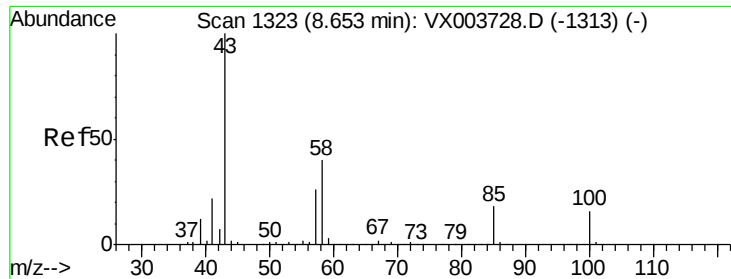
20000

0

8.60 8.70 8.80

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.41 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

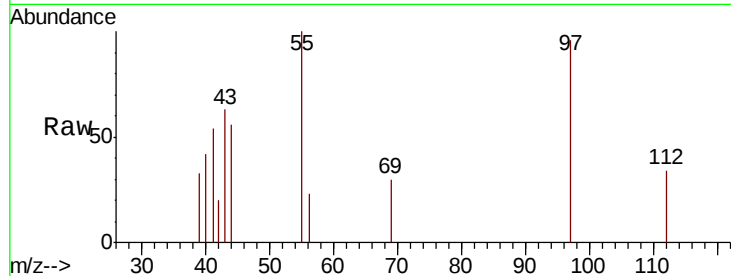
SB-12(3-5)RE

Tot Ion: 43 Resp: 304

Ion Ratio Lower Upper

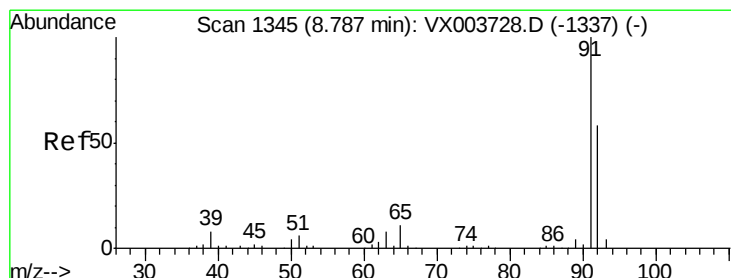
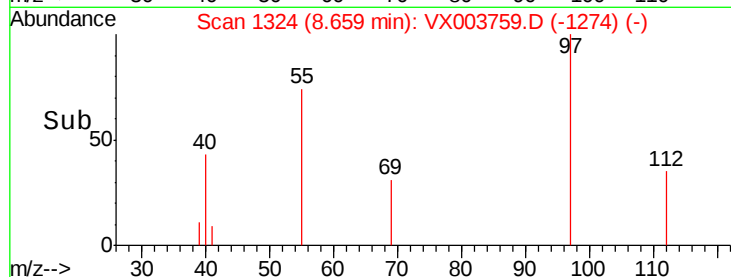
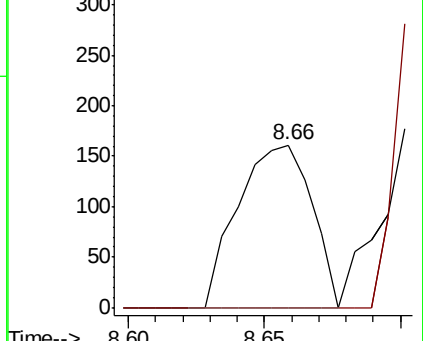
43 100

58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 3.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003759.D

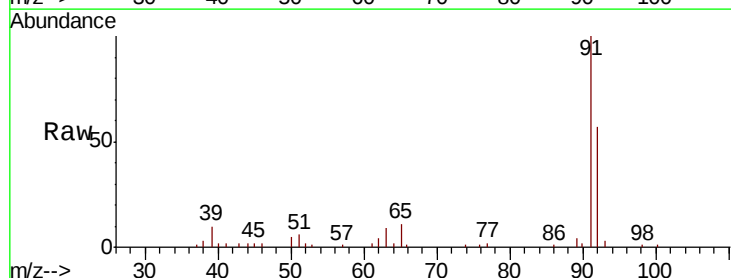
Acq: 31 Jul 2018 19:05

Tgt Ion: 92 Resp: 6614

Ion Ratio Lower Upper

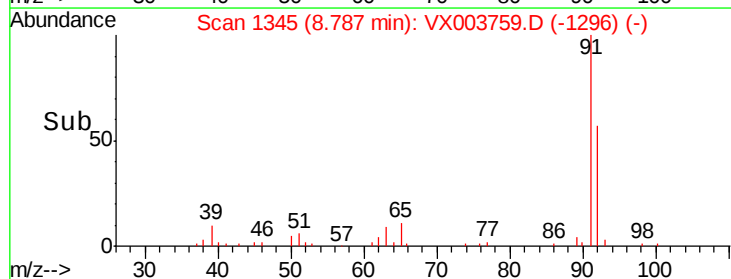
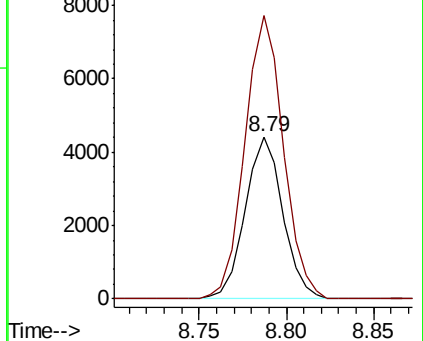
92 100

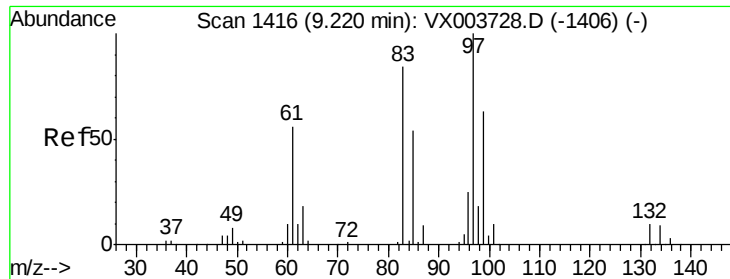
91 178.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

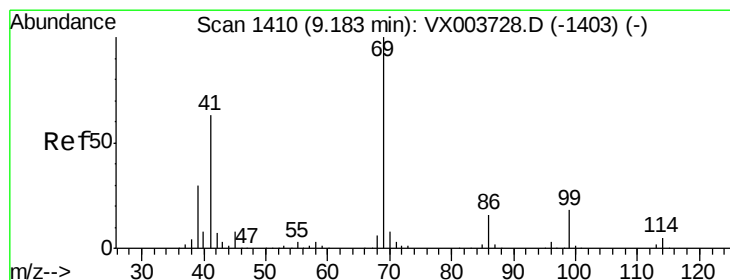
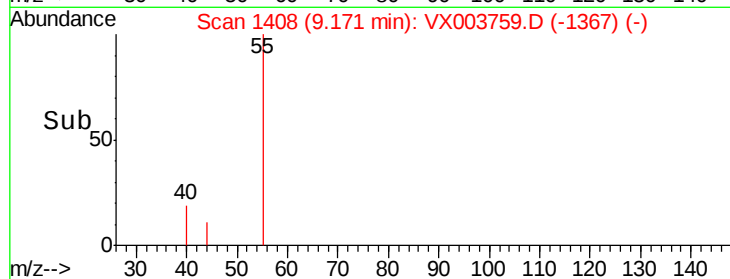
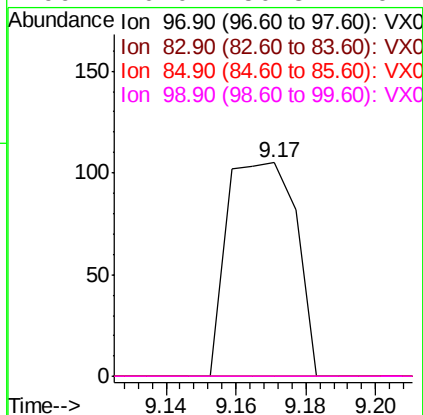
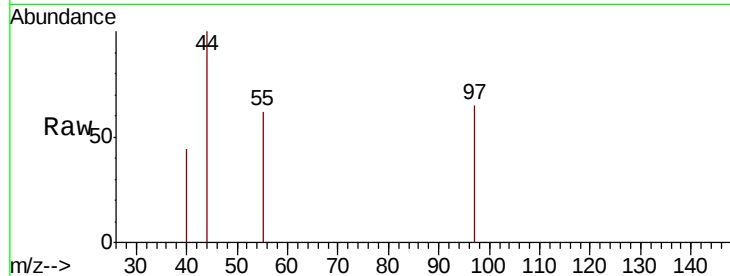




#55
 1,1,2-Trichloroethane
 Concen: 0.24 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.05 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

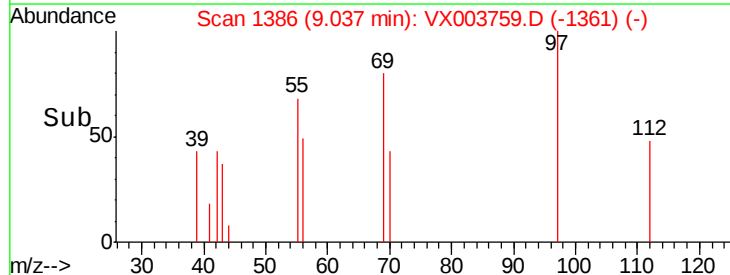
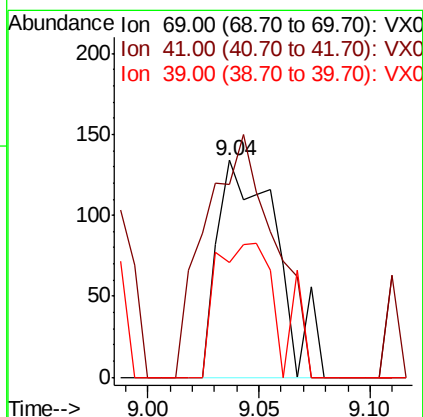
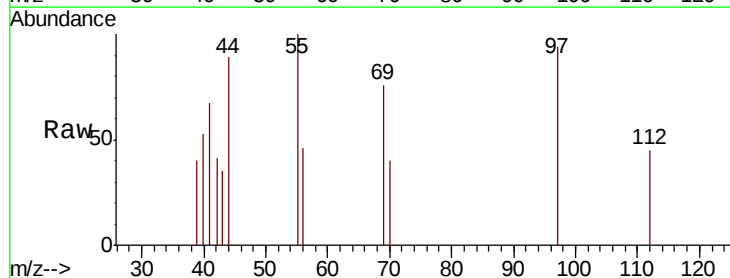
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

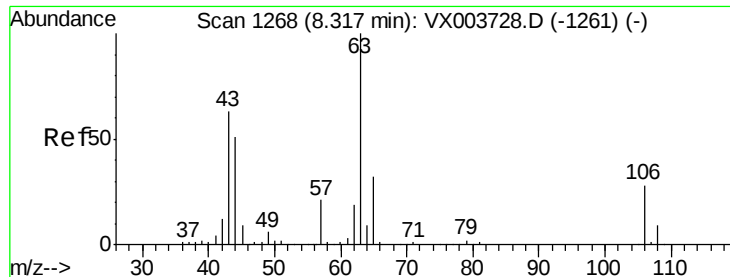
Tot Ion: 97 Resp: 143
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.3 64.9#
 99 0.0 50.8 76.2#



#56
 Ethyl methacrylate
 Concen: 0.30 ug/l
 RT: 9.04 min Scan# 1386
 Delta R.T. -0.15 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion: 69 Resp: 249
 Ion Ratio Lower Upper
 69 100
 41 129.7 51.6 77.4#
 39 65.5 25.1 37.7#

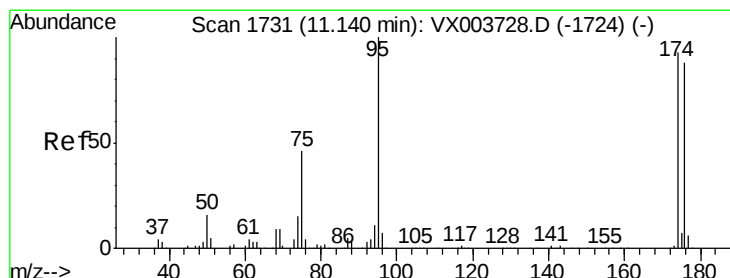
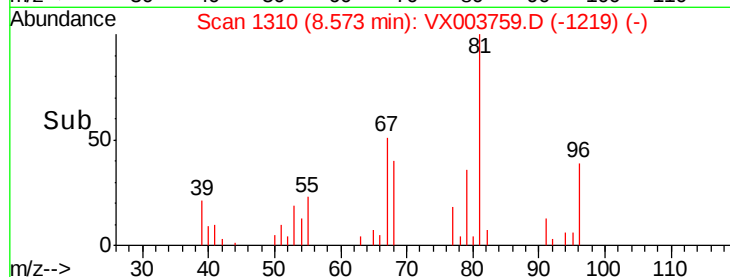
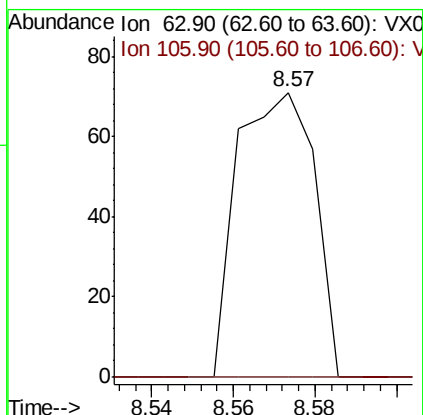
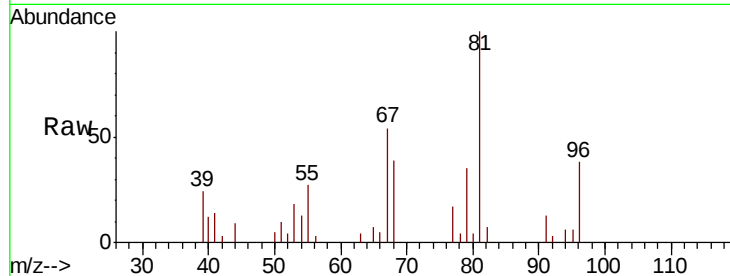




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.35 ug/l
 RT: 8.57 min Scan# 1310
 Delta R.T. 0.26 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

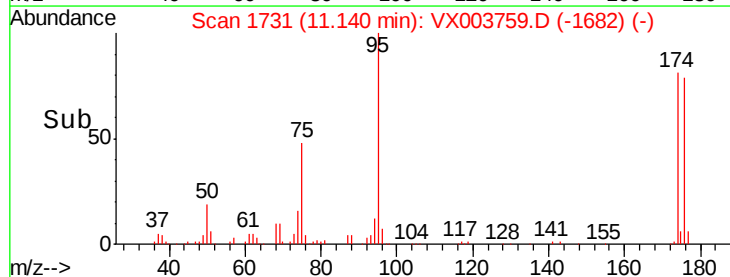
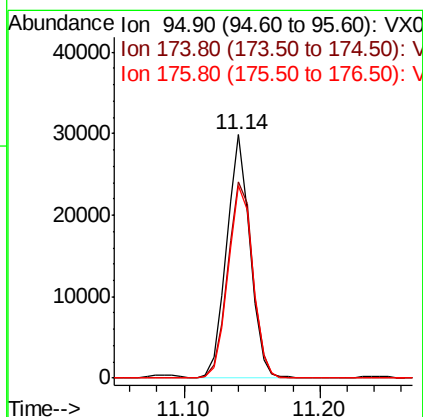
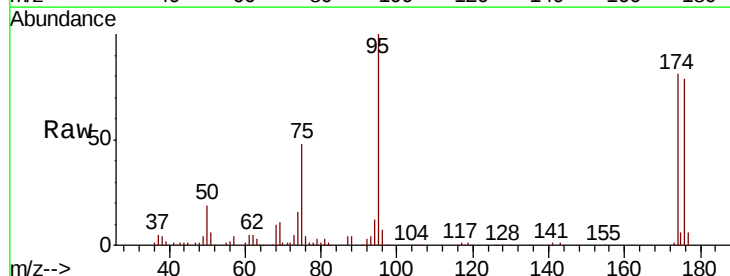
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

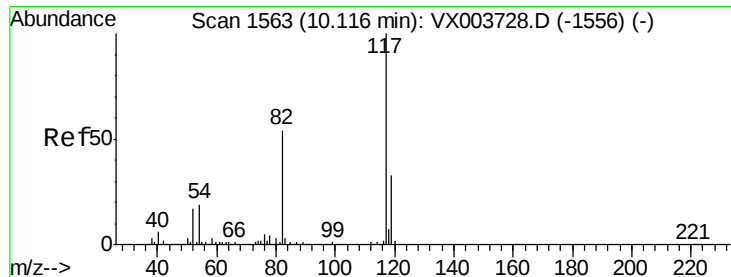
Tot Ion: 63 Resp: 93
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.5 33.7#



#62
 4-Bromofluorobenzene
 Concen: 37.51 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion: 95 Resp: 35815
 Ion Ratio Lower Upper
 95 100
 174 86.1 0.0 186.2
 176 83.6 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: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

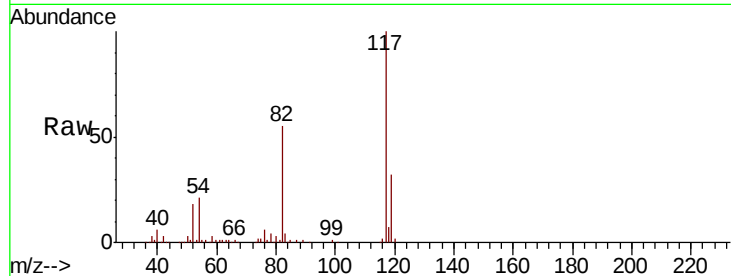
Tot Ion:117 Resp: 83911

Ion Ratio Lower Upper

117 100

82 54.7 43.2 64.8

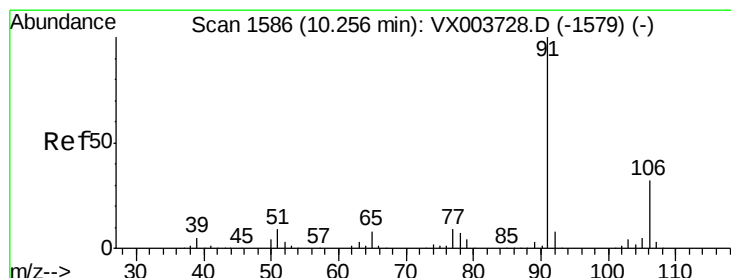
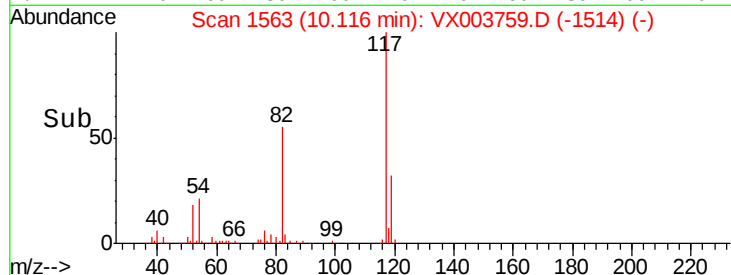
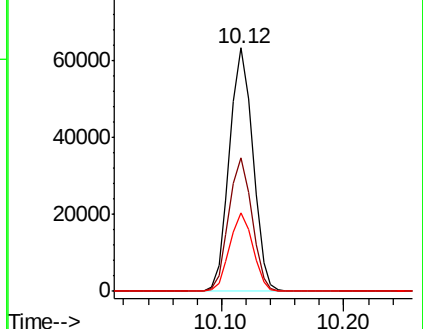
119 32.3 26.3 39.5



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



#67

Ethyl Benzene

Concen: 49.90 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003759.D

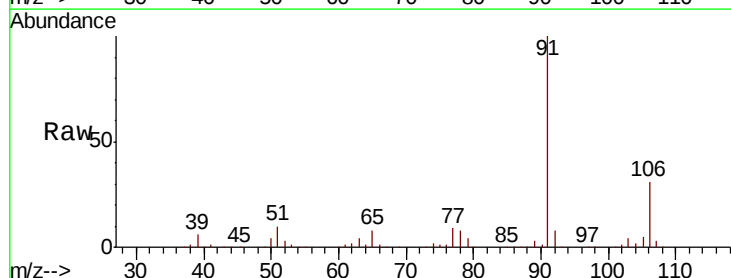
Acq: 31 Jul 2018 19:05

Tgt Ion: 91 Resp: 147742

Ion Ratio Lower Upper

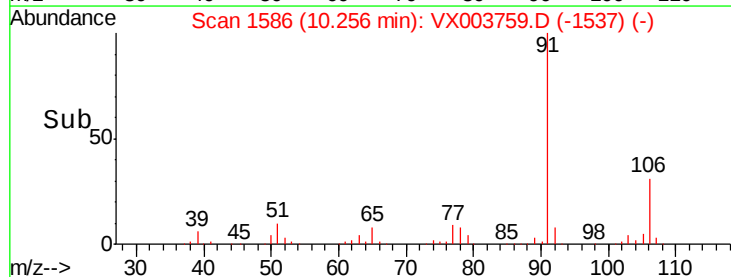
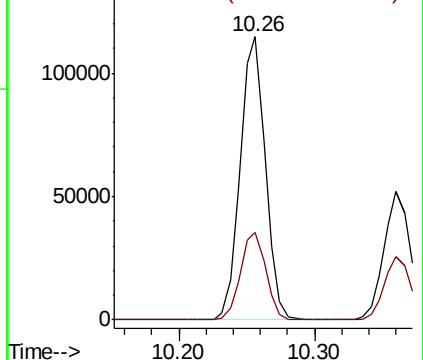
91 100

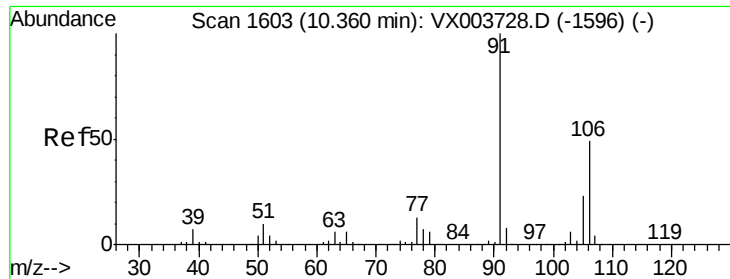
106 31.0 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

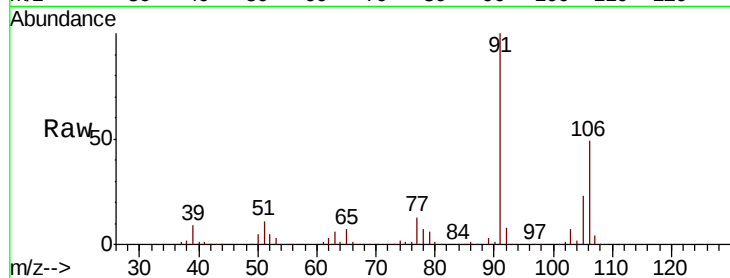




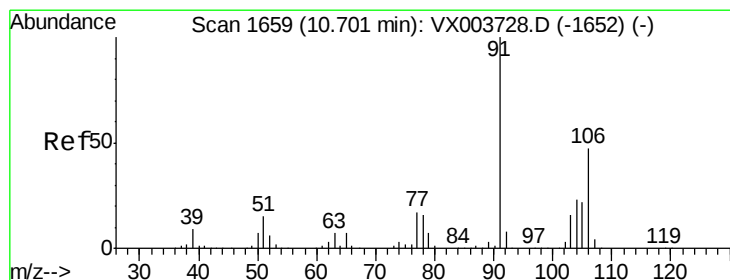
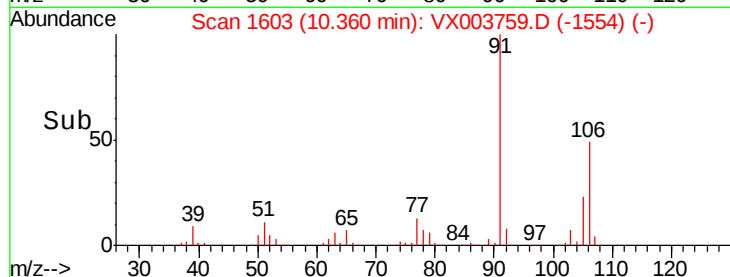
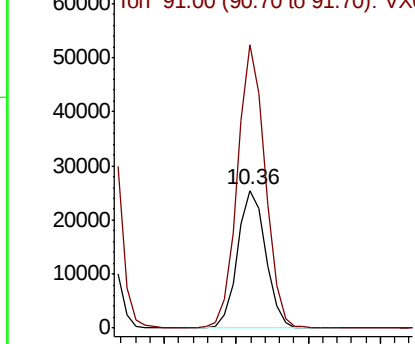
#68
m/p-Xylenes
Concen: 29.93 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

Tot Ion:106 Resp: 34669
Ion Ratio Lower Upper
106 100
91 201.7 159.8 239.8

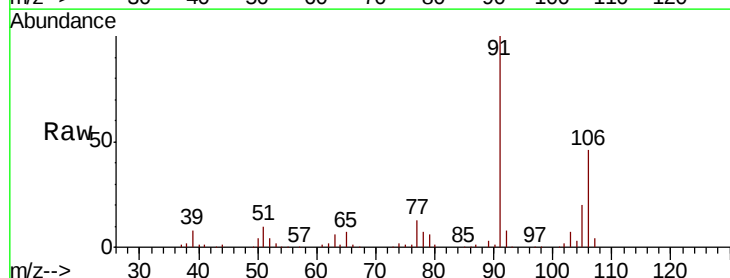


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

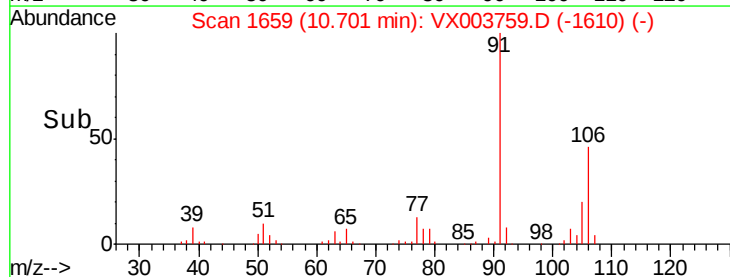
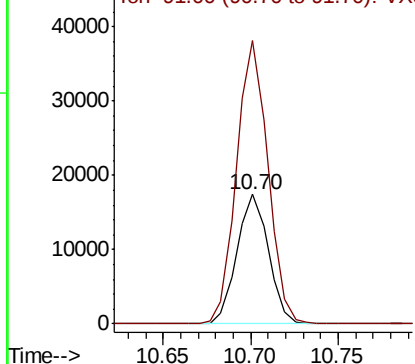


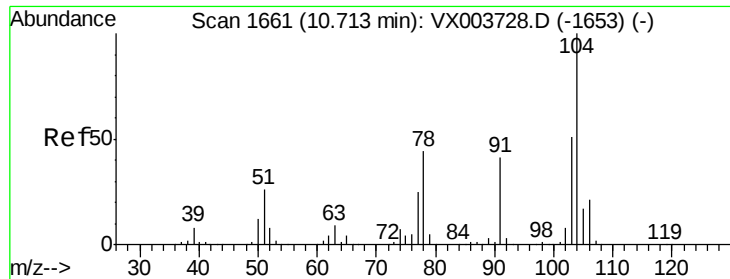
#69
o-Xylene
Concen: 20.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion:106 Resp: 21926
Ion Ratio Lower Upper
106 100
91 217.8 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

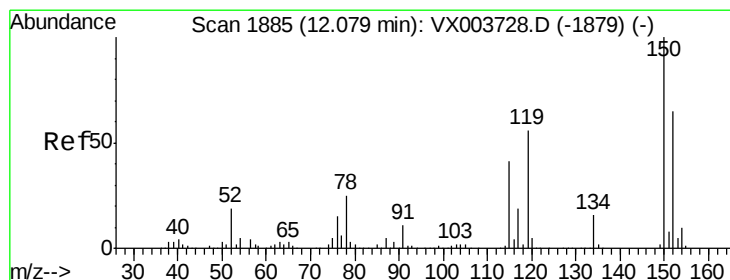
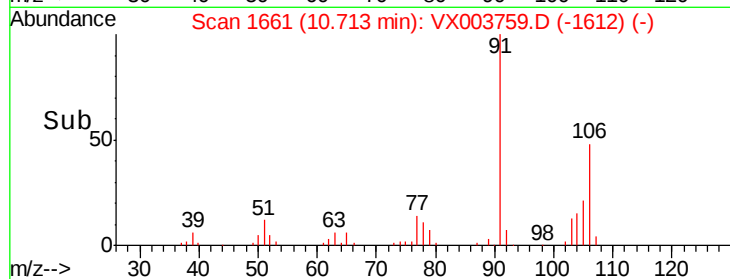
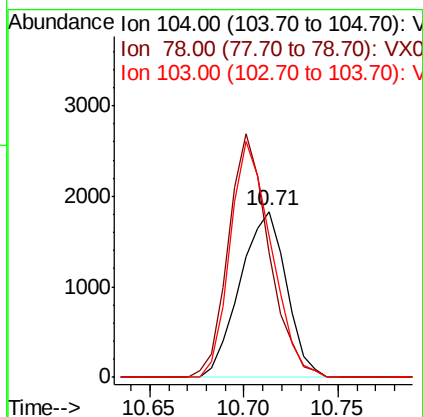
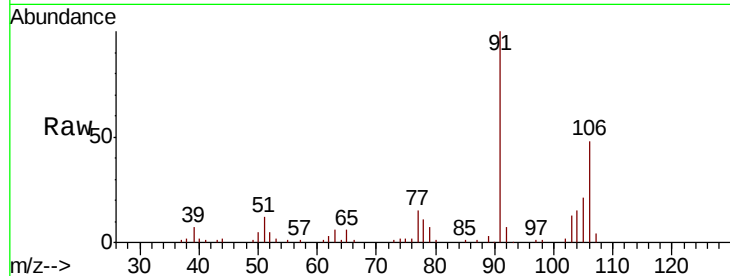




#70
Stvrene
Concen: 1.72 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

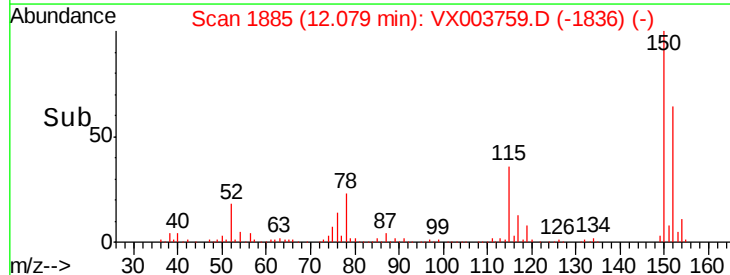
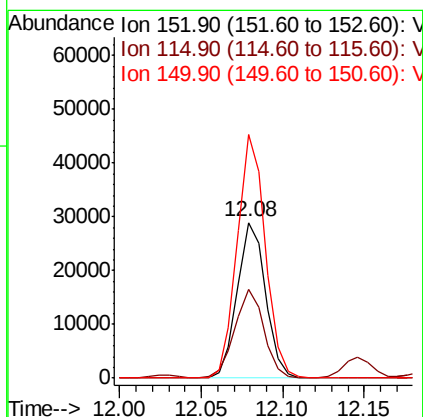
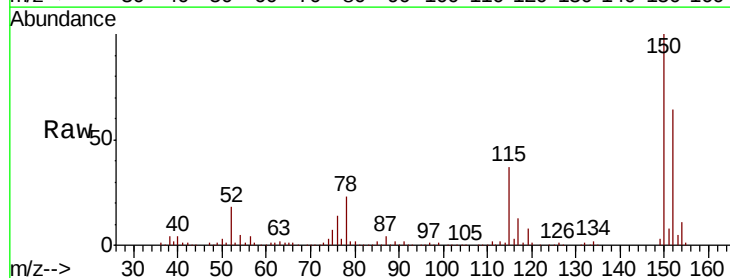
Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

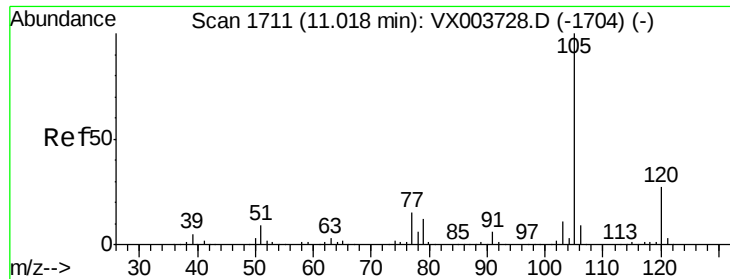
Tot Ion:104 Resp: 3120
Ion Ratio Lower Upper
104 100
78 128.8 38.2 57.2#
103 126.6 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion:152 Resp: 35078
Ion Ratio Lower Upper
152 100
115 58.4 38.5 115.3
150 155.6 0.0 346.2





#73

Isopropylbenzene

Concen: 15.82 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

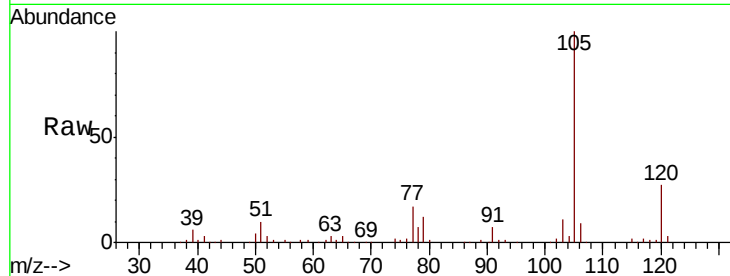
SB-12(3-5)RE

Tot Ion:105 Resp: 34740

Ion Ratio Lower Upper

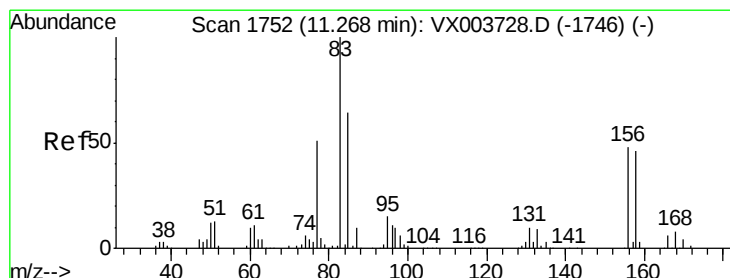
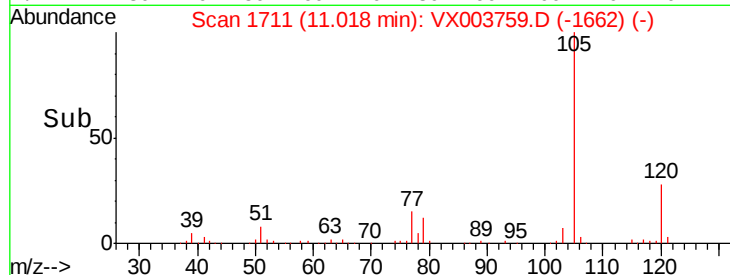
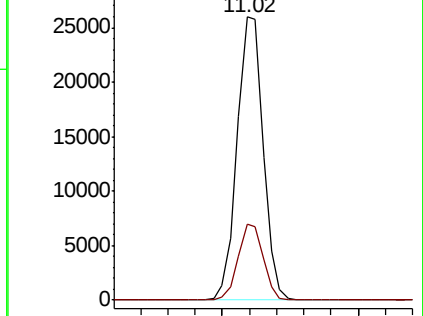
105 100

120 25.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 0.42 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

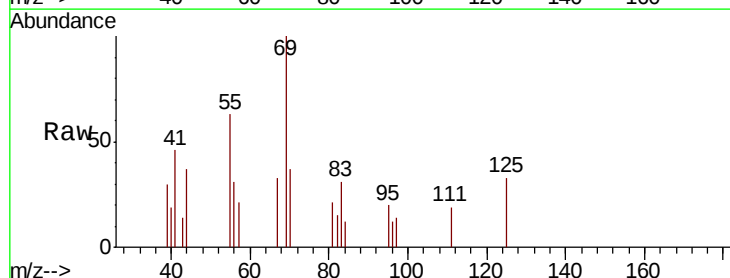
Tgt Ion: 83 Resp: 237

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

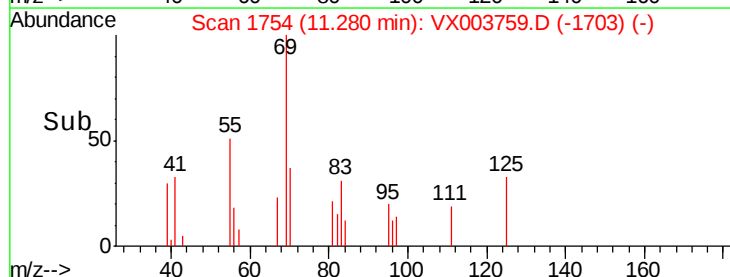
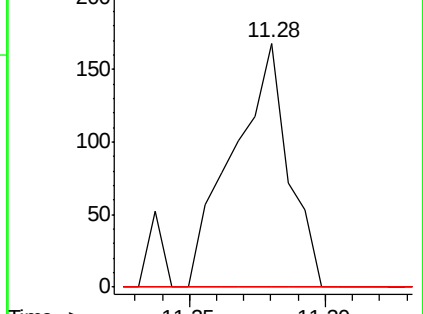
85 0.0 32.0 96.2#

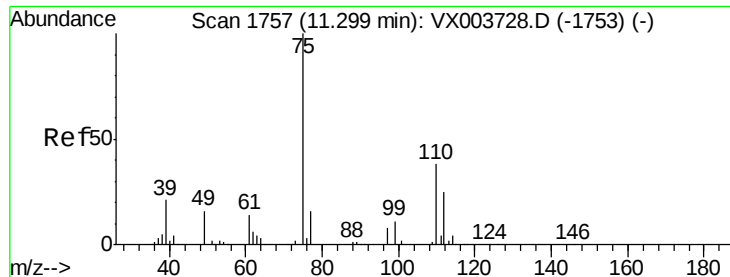


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 36.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

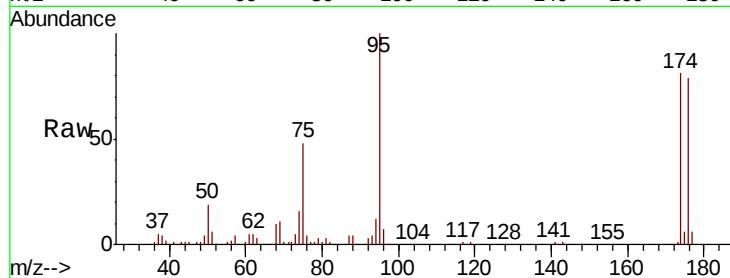
SB-12(3-5)RE

Tot Ion: 75 Resp: 17550

Ion Ratio Lower Upper

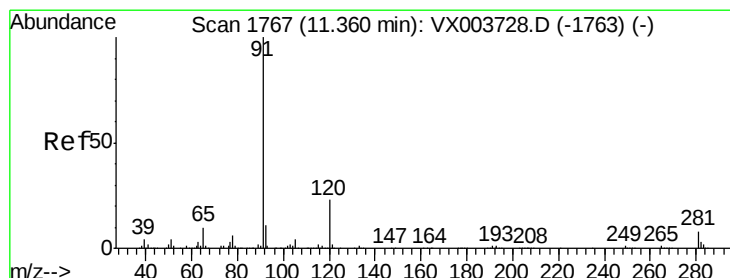
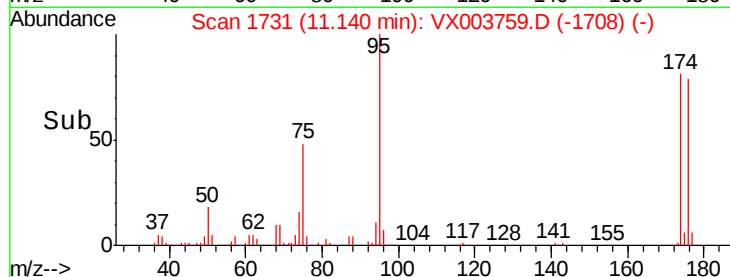
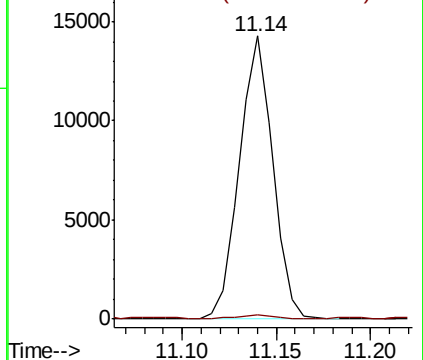
75 100

77 0.0 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: 5.35 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003759.D

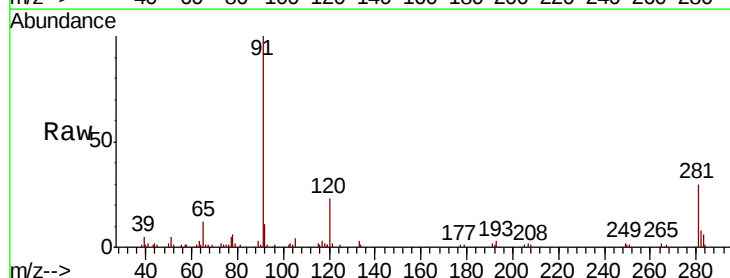
Acq: 31 Jul 2018 19:05

Tgt Ion: 91 Resp: 14221

Ion Ratio Lower Upper

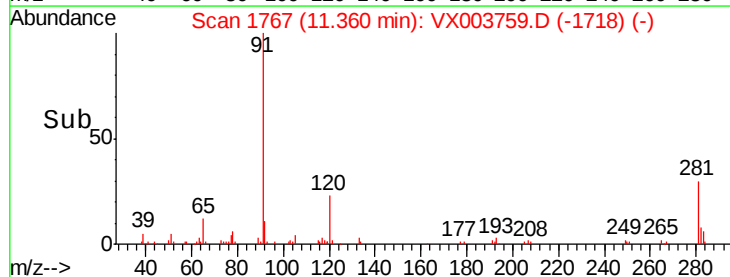
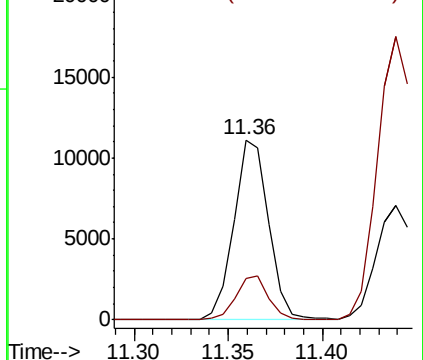
91 100

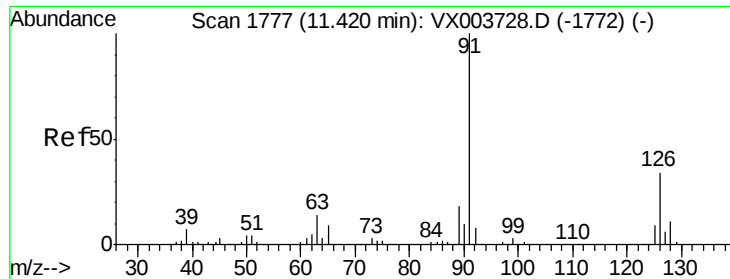
120 22.8 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.50 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

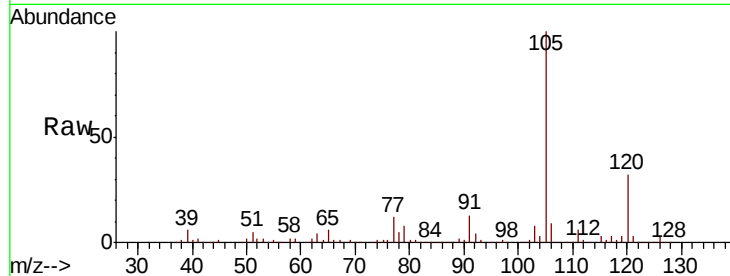
SB-12(3-5)RE

Tot Ion: 91 Resp: 8312

Ion Ratio Lower Upper

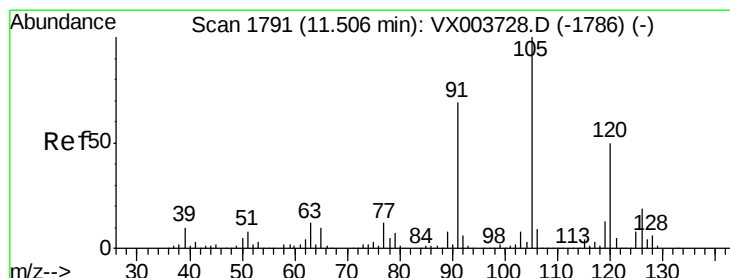
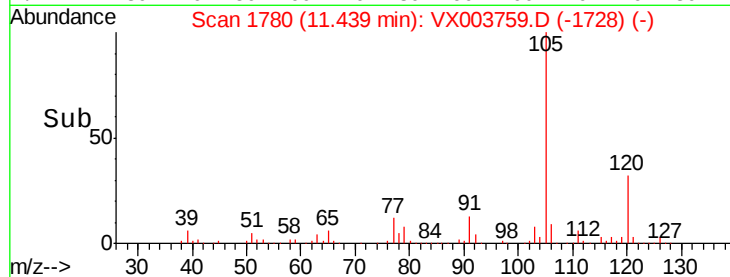
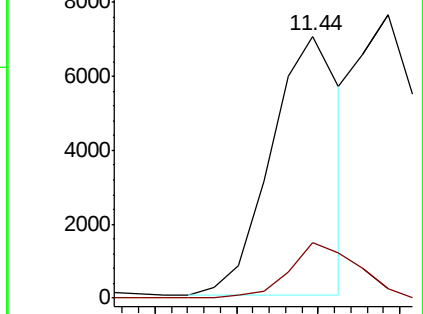
91 100

126 21.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VX003759.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX003759.D (-1772) (-)



#80

1,3,5-Trimethylbenzene

Concen: 73.63 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX003759.D

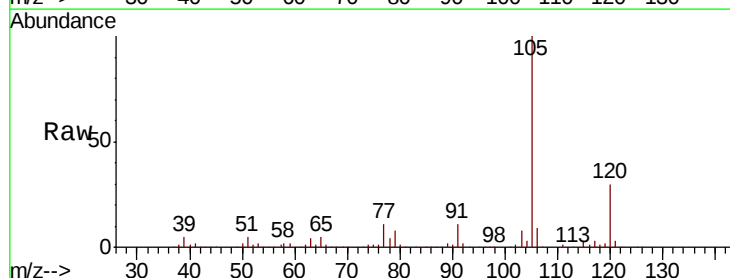
Acq: 31 Jul 2018 19:05

Tgt Ion:105 Resp: 138018

Ion Ratio Lower Upper

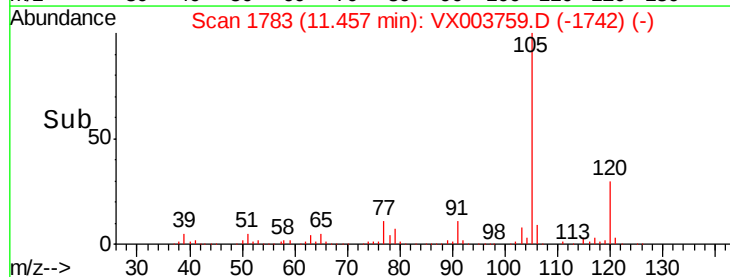
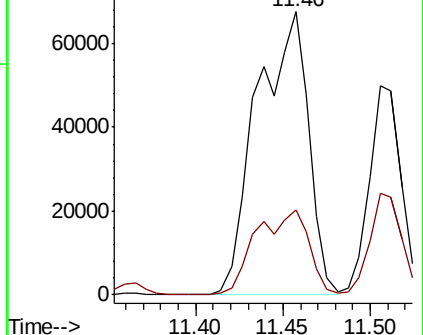
105 100

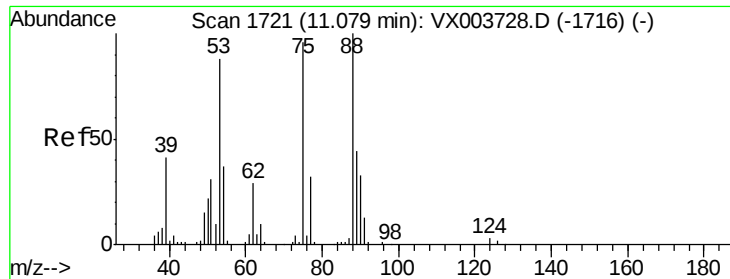
120 30.9 15.8 47.4



Abundance Ion 105.00 (104.70 to 105.70): VX003759.D (-1742) (-)

Ion 120.00 (119.70 to 120.70): VX003759.D (-1742) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 107.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

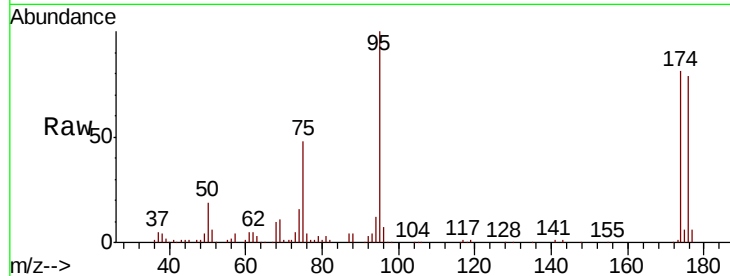
Tot Ion: 75 Resp: 17550

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

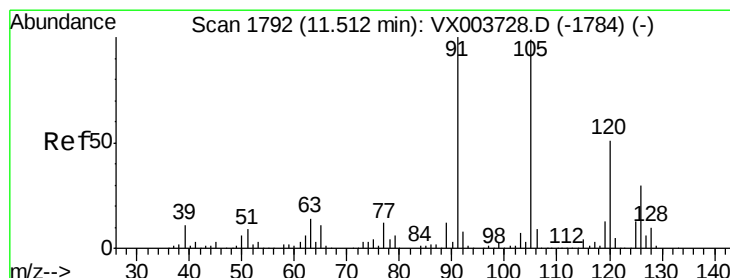
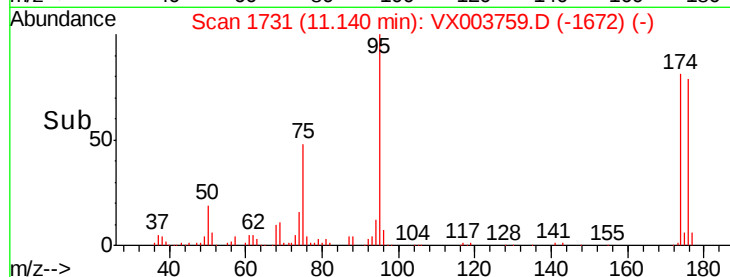
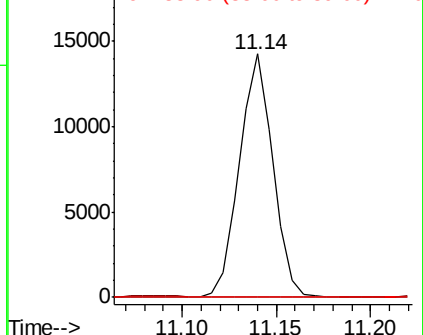
89 0.0 39.1 58.7#



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: 4.54 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. -0.07 min

Lab File: VX003759.D

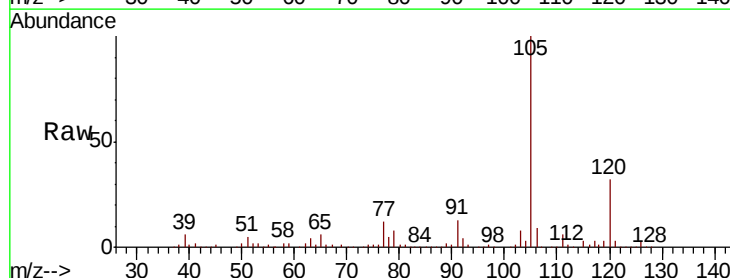
Acq: 31 Jul 2018 19:05

Tgt Ion: 91 Resp: 8312

Ion Ratio Lower Upper

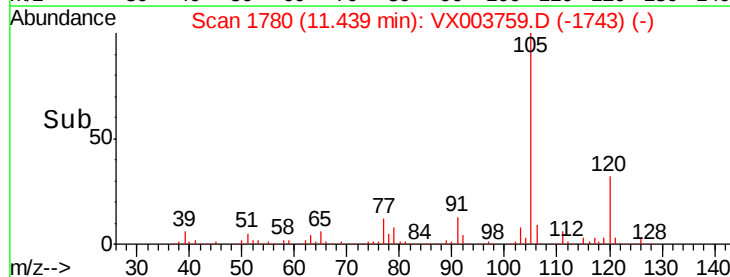
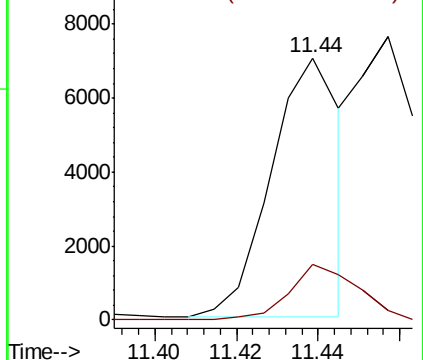
91 100

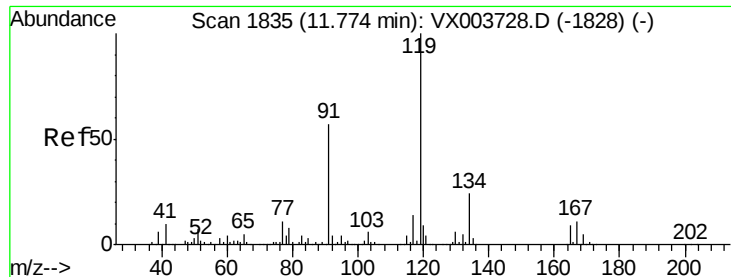
126 21.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 9.74 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.04 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

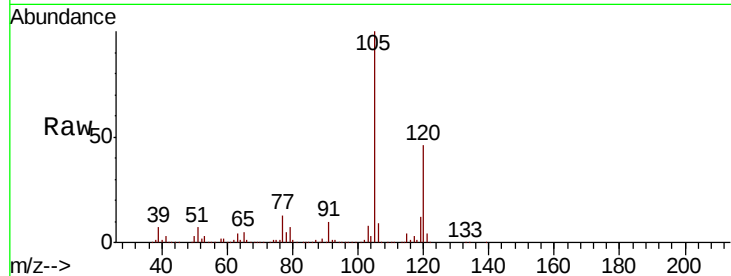
Tot Ion:119 Resp: 18057

Ion Ratio Lower Upper

119 100

91 84.4 27.2 81.6#

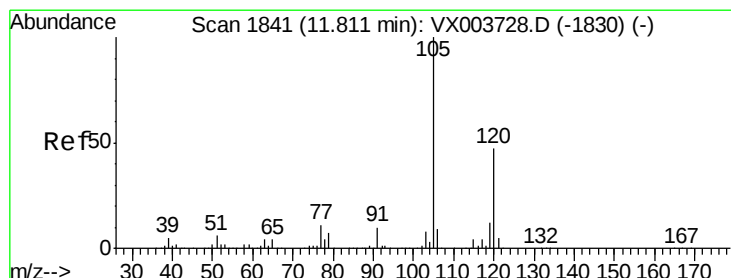
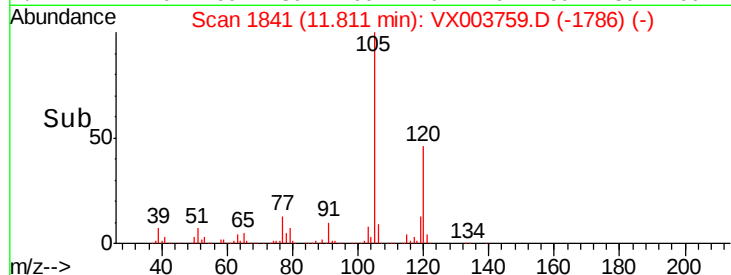
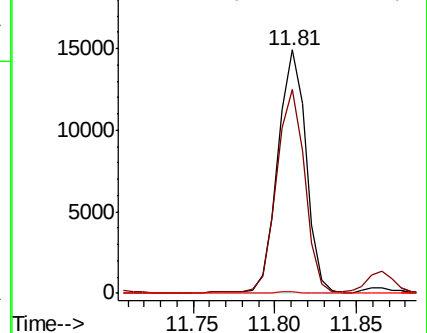
134 0.0 11.6 34.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 75.83 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003759.D

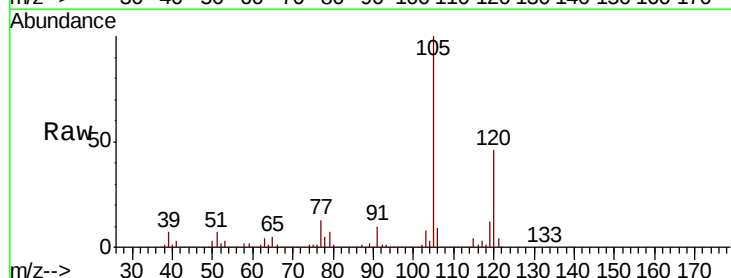
Acq: 31 Jul 2018 19:05

Tgt Ion:105 Resp: 146302

Ion Ratio Lower Upper

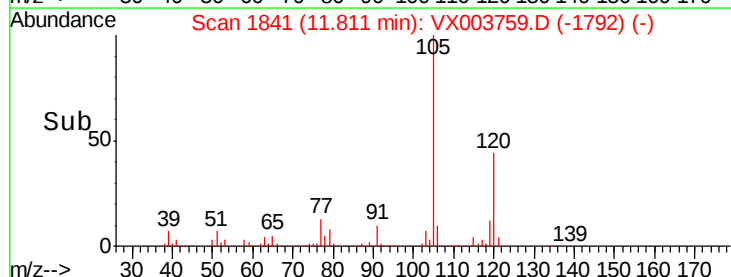
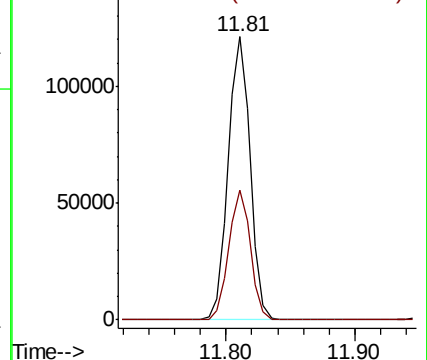
105 100

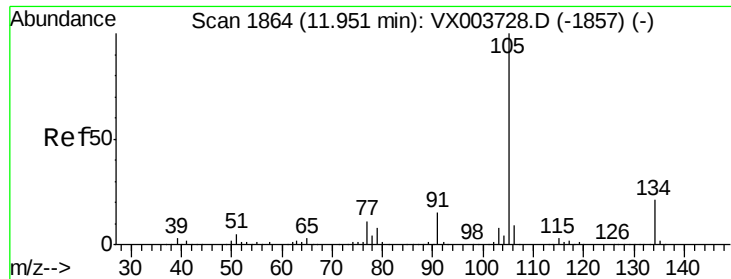
120 45.3 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

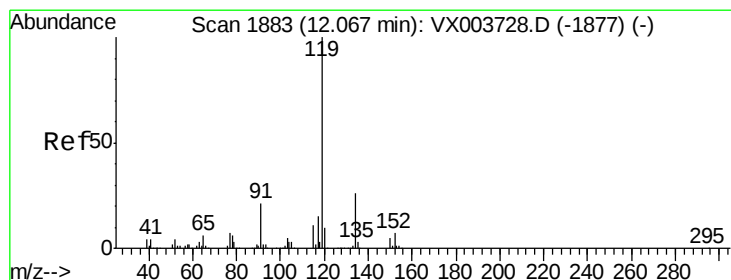
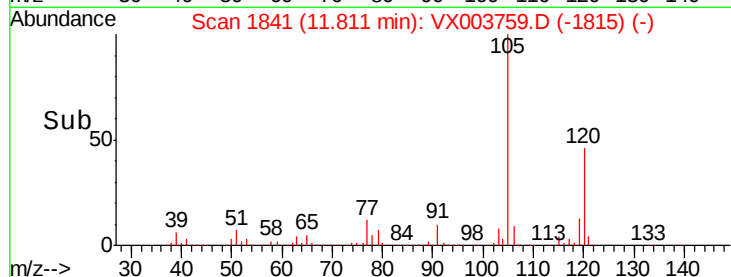
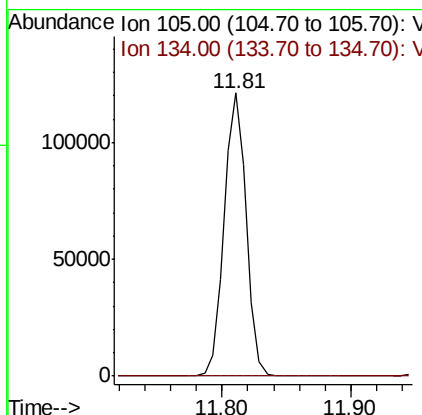
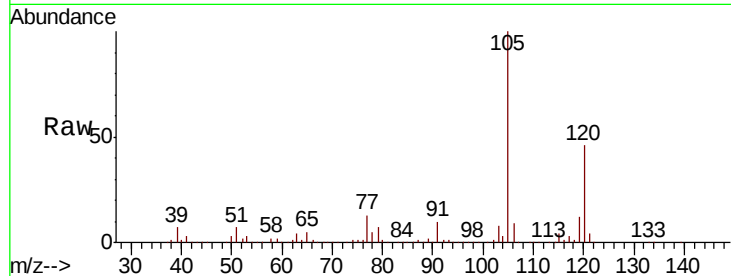




#85
 sec-Butylbenzene
 Concen: 61.68 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.14 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

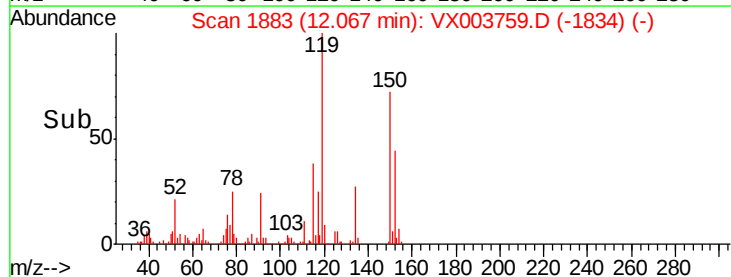
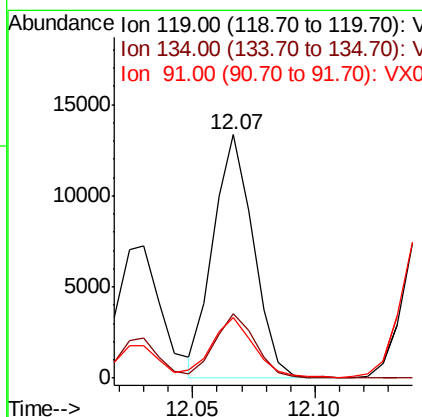
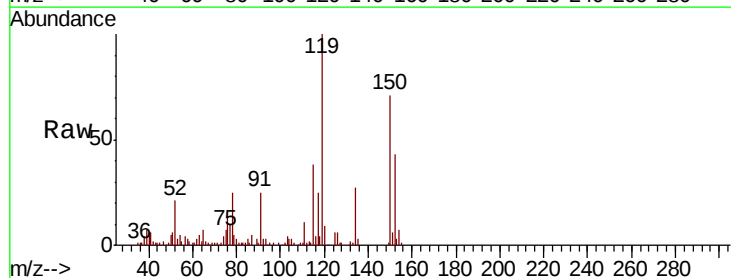
Instrument :
 MSVOA_X
 ClientSampled :
 SB-12(3-5)RE

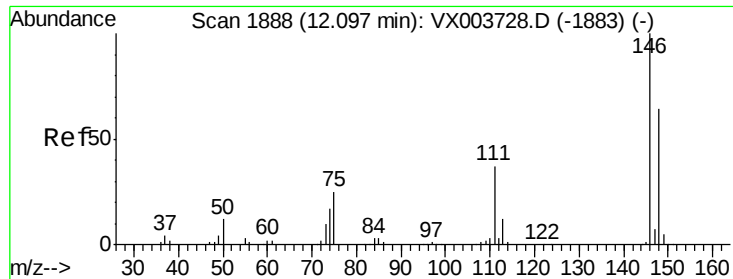
Tot Ion:105 Resp: 146302
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#



#86
 p-Isopropyltoluene
 Concen: 7.05 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion:119 Resp: 15196
 Ion Ratio Lower Upper
 119 100
 134 26.5 10.1 30.1
 91 0.0 23.6 70.8#





#88

1,4-Dichlorobenzene

Concen: 0.26 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

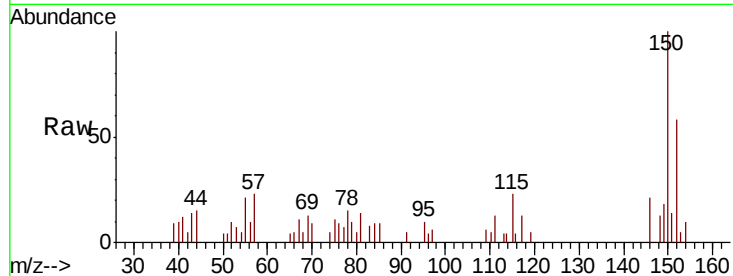
Tot Ion:146 Resp: 310

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.9#

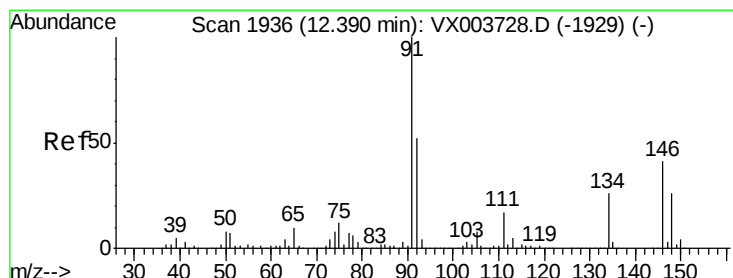
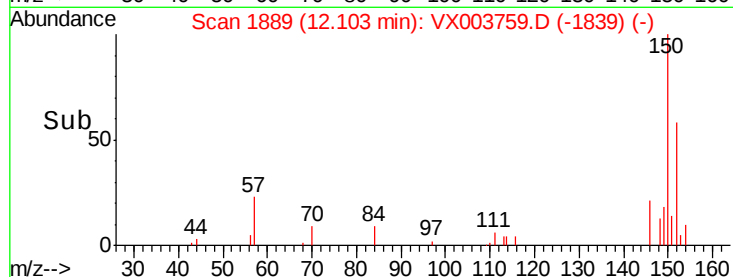
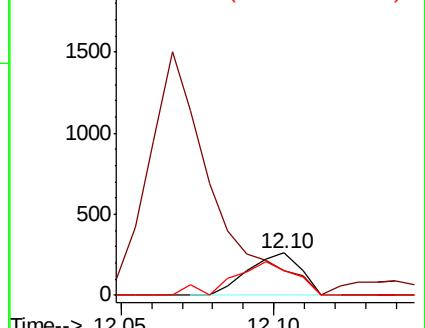
148 93.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 129.68 ug/l

RT: 12.30 min Scan# 1922

Delta R.T. -0.09 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

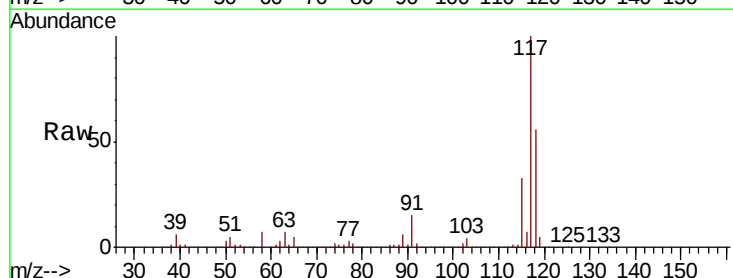
Tgt Ion: 91 Resp: 266075

Ion Ratio Lower Upper

91 100

92 10.1 26.2 78.5#

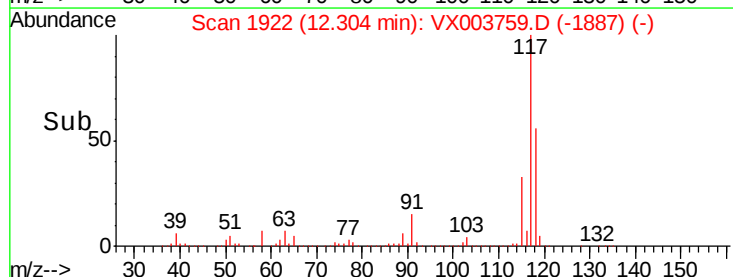
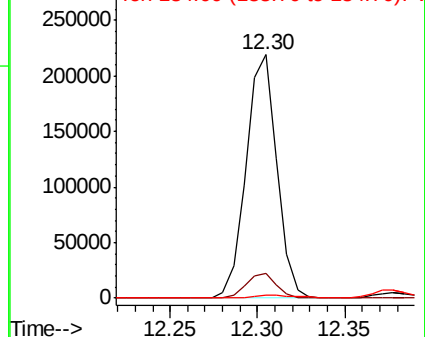
134 2.1 13.6 40.7#

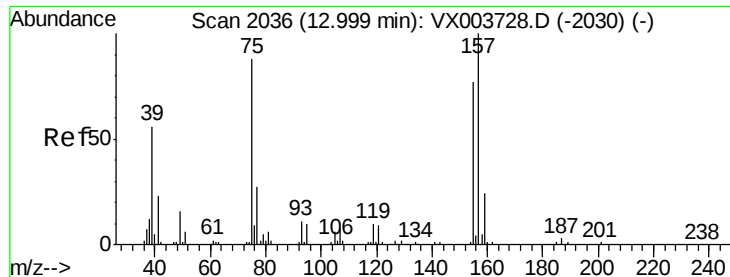


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.36 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

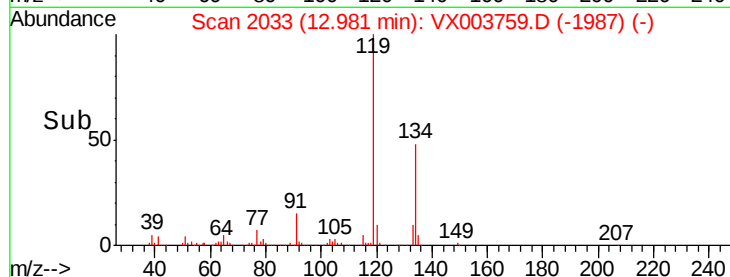
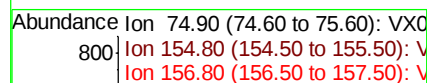
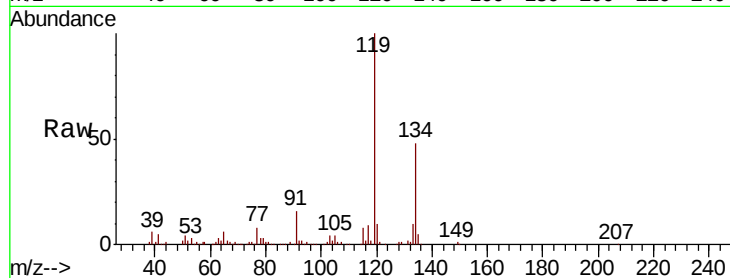
Tot Ion: 75 Resp: 267

Ion Ratio Lower Upper

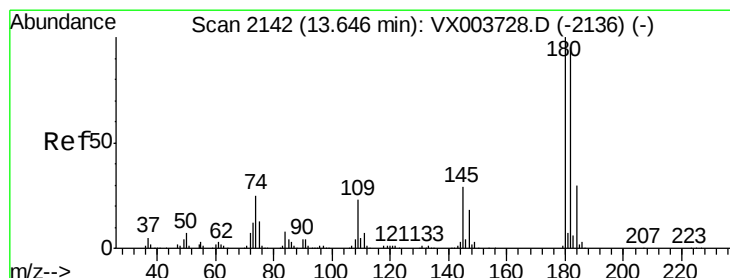
75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.1#



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.34 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

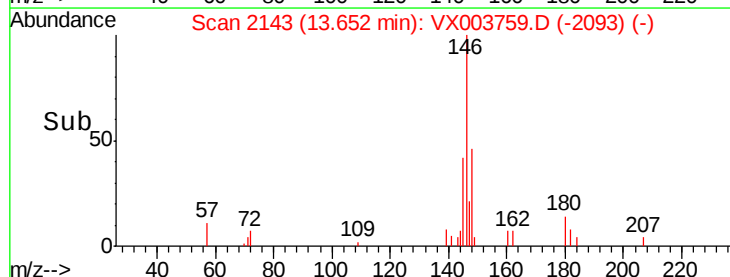
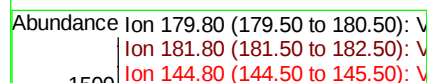
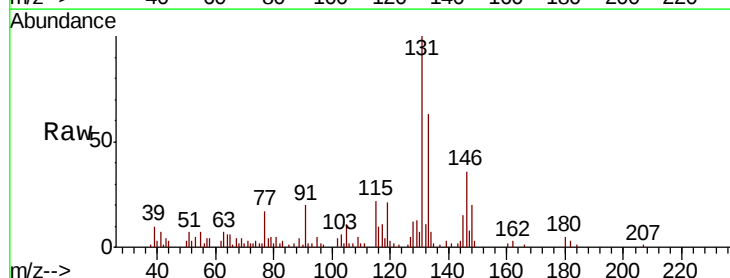
Tgt Ion: 180 Resp: 294

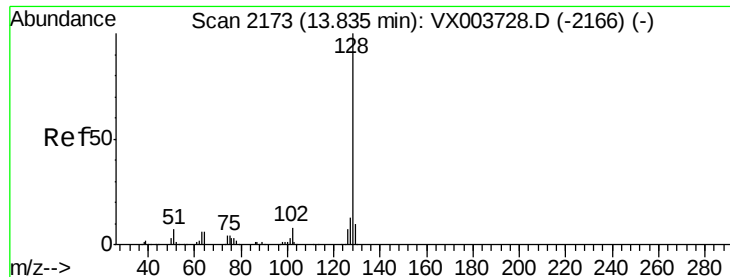
Ion Ratio Lower Upper

180 100

182 56.5 47.6 142.9

145 432.0 14.1 42.2#

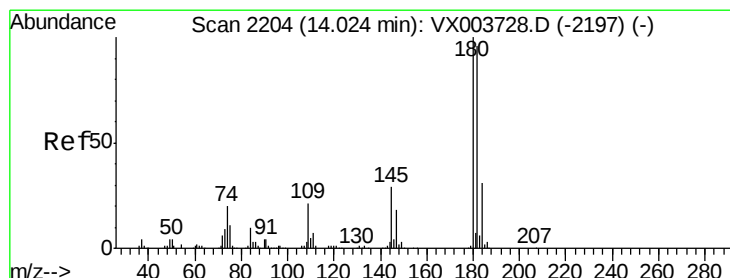
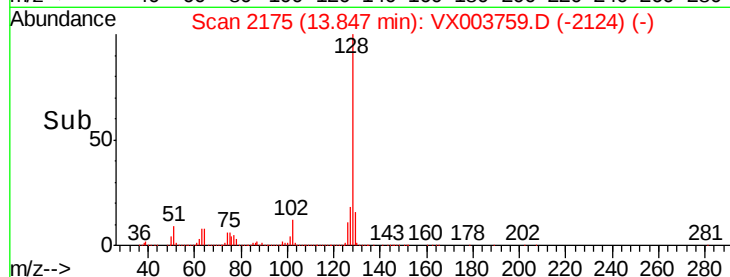
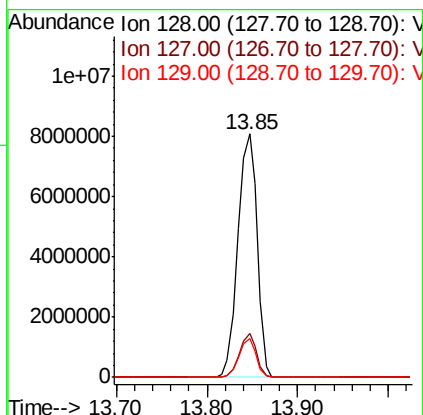
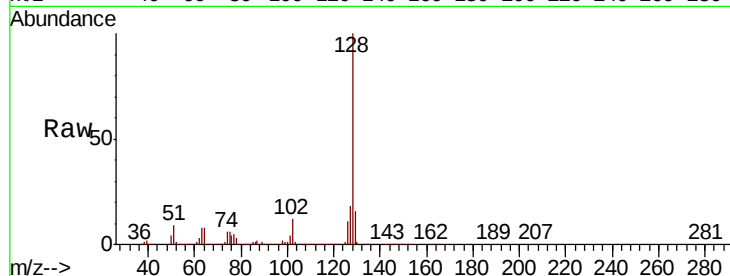




#95
Naphthalene
Concen: 6490.04 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

Tot Ion:128 Resp:11865641
Ion Ratio Lower Upper
128 100
127 15.9 10.2 15.2#
129 14.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.26 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion:180 Resp: 203
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.8
145 3721.7 14.7 44.1#

