

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003761.D
 Acq On : 31 Jul 2018 19:56
 Operator : JC/SP
 Sample : J4109-05RE
 Misc : 8.58G/5.0mL/MSVOA X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11(3-5)

Quant Time: Aug 01 01:30:58 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	108083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	173026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	138094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	54780	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	58314	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
35) Dibromofluoromethane	5.50	113	50894	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	8.72	98	185343	43.63	ug/l	0.00
Spiked Amount			Recovery	=	87.26%	
62) 4-Bromofluorobenzene	11.14	95	56551	36.11	ug/l	0.00
Spiked Amount			Recovery	=	72.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	75	Below Cal		93
6) Chloroethane	1.71	64	313	0.38	ug/l #	42
11) Tert butyl alcohol	3.01	59	6303	35.61	ug/l #	73
13) Acrolein	2.29	56	283	4.89	ug/l #	11
14) Allyl chloride	2.71	41	375	0.22	ug/l #	59
16) Acetone	2.45	43	53512	128.16	ug/l	98
17) Carbon Disulfide	2.57	76	10689	3.40	ug/l	99
18) Methyl Acetate	2.78	43	1131	0.96	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1157	0.44	ug/l #	83
20) Methylene Chloride	2.85	84	4181	0.66	ug/l	89
25) 2-Butanone	4.70	43	19089	31.36	ug/l	100
26) 2,2-Dichloropropane	4.75	77	657	0.46	ug/l #	51
29) Tetrahydrofuran	5.17	42	85	0.22	ug/l #	33
30) Chloroform	5.21	83	585	0.33	ug/l #	80
31) Cyclohexane	5.57	56	1039	0.60	ug/l	98
36) 1,1-Dichloropropene	5.67	75	7785	4.80	ug/l #	48
37) Ethyl Acetate	4.70	43	19089	15.34	ug/l #	68
38) Carbon Tetrachloride	5.67	117	9529	6.36	ug/l #	16
39) Methylcyclohexane	7.46	83	2555	1.28	ug/l	89
40) Benzene	6.15	78	95950	20.66	ug/l	100
41) Methacrylonitrile	5.17	41	211	0.30	ug/l #	27
42) 1,2-Dichloroethane	6.13	62	837	0.60	ug/l #	73
51) 4-Methyl-2-Pentanone	8.66	43	506	0.42	ug/l #	75
52) Toluene	8.79	92	85153	29.40	ug/l	100
53) t-1,3-Dichloropropene	8.79	75	1057	0.71	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	384	0.39	ug/l #	15
59) 2-Hexanone	9.51	43	309	0.33	ug/l #	34
67) Ethyl Benzene	10.26	91	648704	133.13	ug/l	98
68) m/p-Xylenes	10.36	106	178167	93.47	ug/l	97
69) o-Xylene	10.70	106	249332	140.87	ug/l	99
70) Styrene	10.71	104	52332	17.58	ug/l #	29
73) Isopropylbenzene	11.02	105	280396	81.76	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	448	0.50	ug/l #	26
76) 1,2,3-Trichloropropane	11.36	75	953	1.26	ug/l #	1

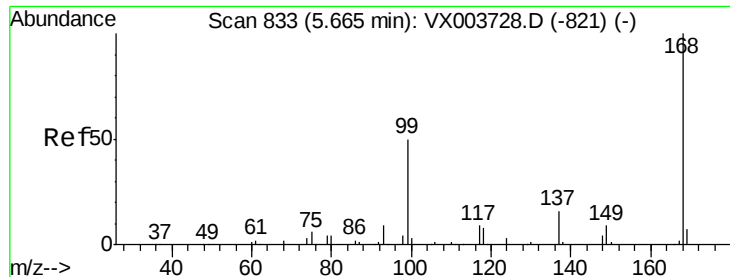
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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Quant Time: Aug 01 01:30:58 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.36	91	141152	33.97	ug/l	99
79) 2-Chlorotoluene	11.44	91	78750	33.39	ug/l #	47
80) 1,3,5-Trimethylbenzene	11.46	105	1349077	460.88	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	27855	109.27	ug/l #	11
82) 4-Chlorotoluene	11.51	91	40978	14.32	ug/l #	44
83) tert-Butylbenzene	11.81	119	166348	57.46	ug/l #	56
84) 1,2,4-Trimethylbenzene	11.81	105	1325197	439.83	ug/l	100
85) sec-Butylbenzene	11.81	105	1325197	357.78	ug/l #	56
86) p-Isopropyltoluene	12.07	119	149722	44.47	ug/l	77
88) 1,4-Dichlorobenzene	12.10	146	573	0.31	ug/l #	40
89) n-Butylbenzene	12.38	91	99394	31.02	ug/l #	1
90) Hexachloroethane	12.48	117	152281	304.63	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1287	7.28	ug/l #	1
95) Naphthalene	13.85	128	12731262	4459.03	ug/l #	89

(#) = 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: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

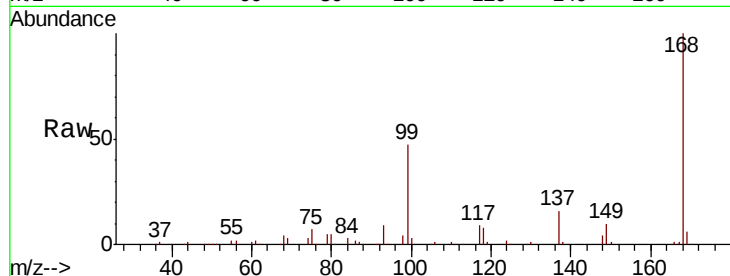
SB-11(3-5)

Tot Ion:168 Resp: 108083

Ion Ratio Lower Upper

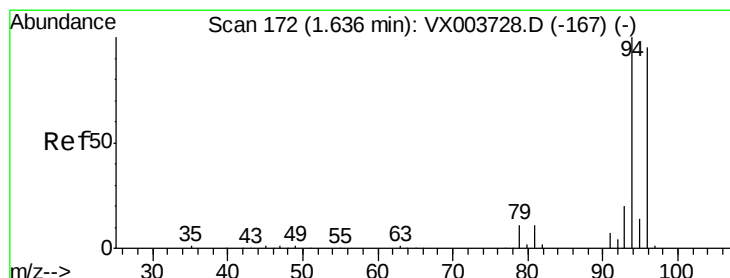
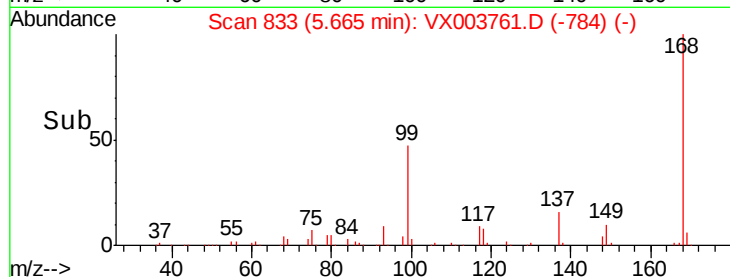
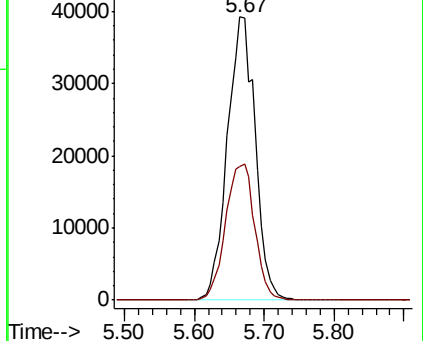
168 100

99 47.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003761.D

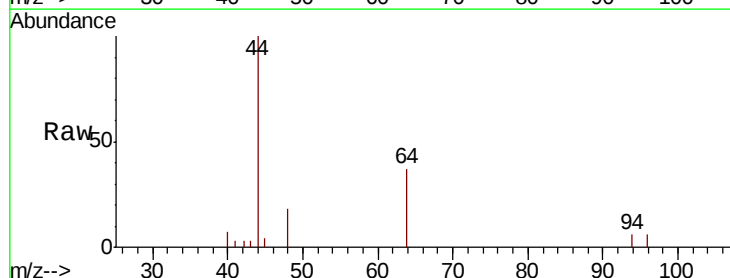
Acq: 31 Jul 2018 19:56

Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

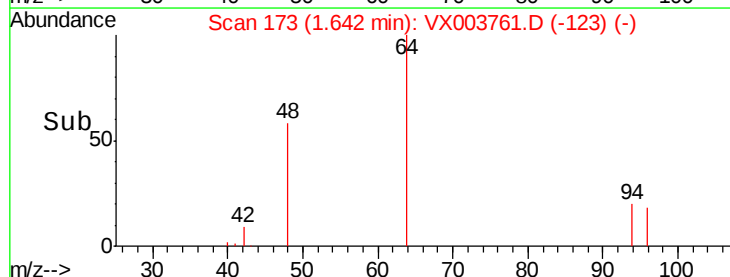
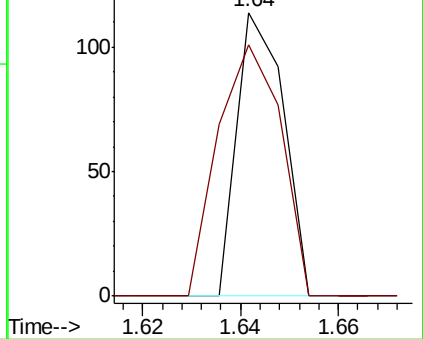
94 100

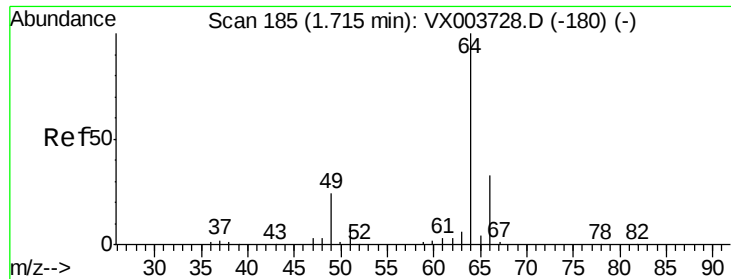
96 88.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.38 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

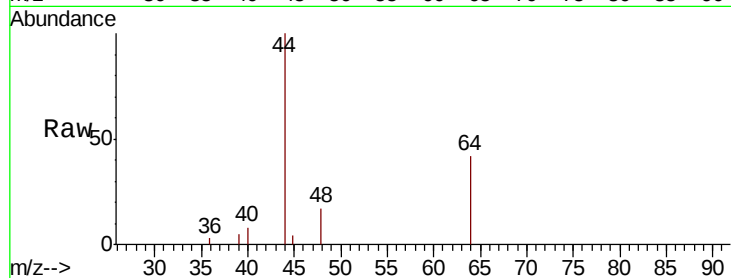
SB-11(3-5)

Tot Ion: 64 Resp: 313

Ion Ratio Lower Upper

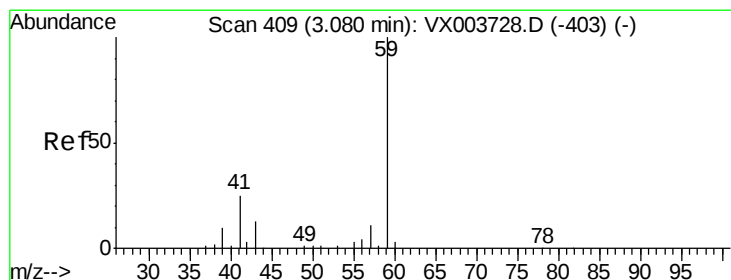
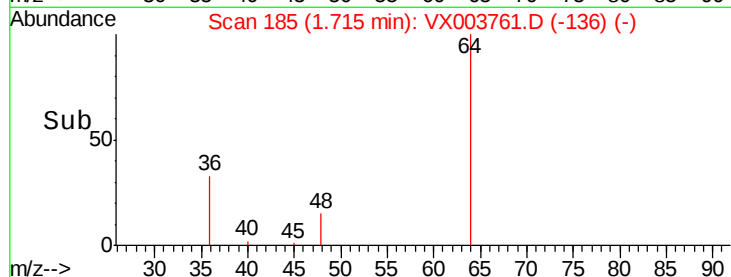
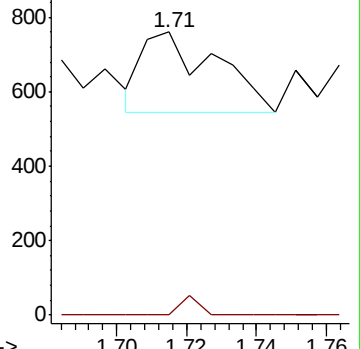
64 100

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: 35.61 ug/l

RT: 3.01 min Scan# 398

Delta R.T. -0.07 min

Lab File: VX003761.D

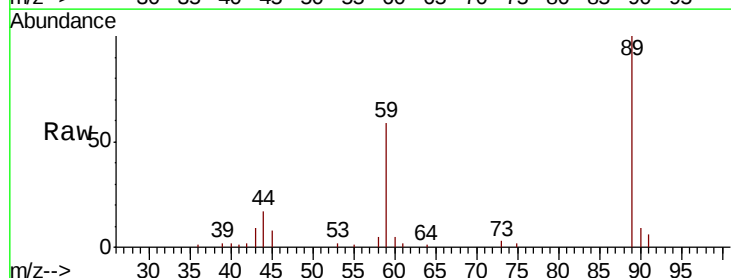
Acq: 31 Jul 2018 19:56

Tgt Ion: 59 Resp: 6303

Ion Ratio Lower Upper

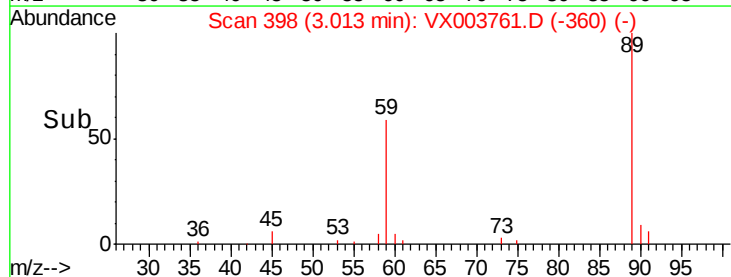
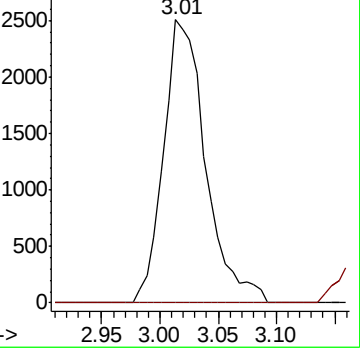
59 100

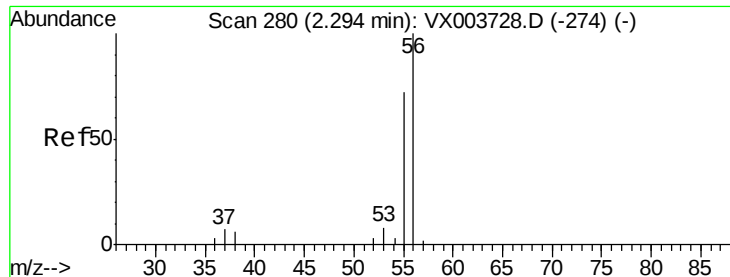
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.89 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

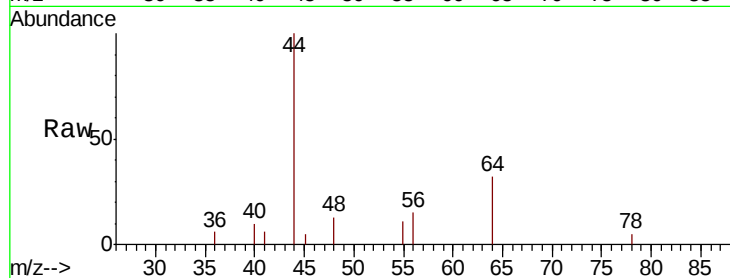
SB-11(3-5)

Tot Ion: 56 Resp: 283

Ion Ratio Lower Upper

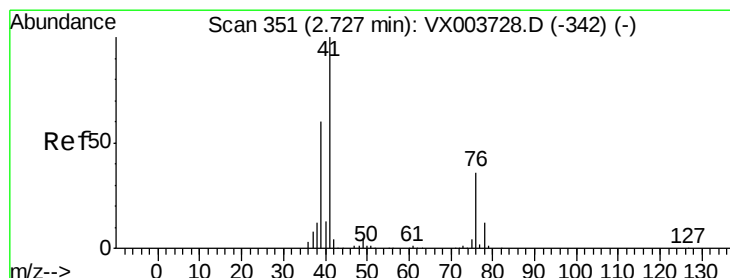
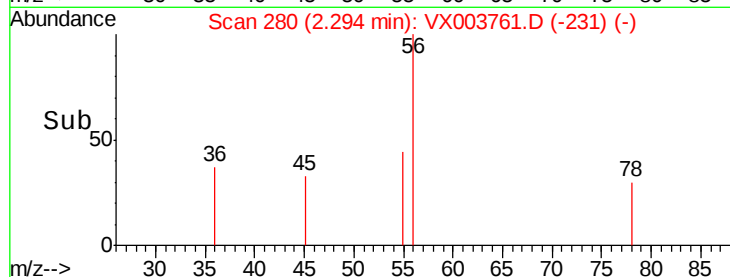
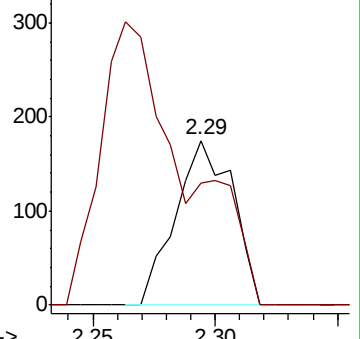
56 100

55 0.0 61.4 92.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.22 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

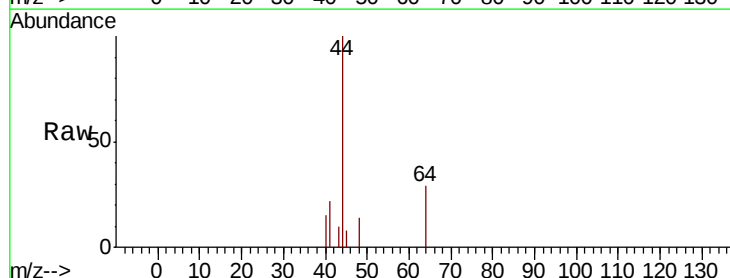
Tgt Ion: 41 Resp: 375

Ion Ratio Lower Upper

41 100

39 36.5 47.7 71.5#

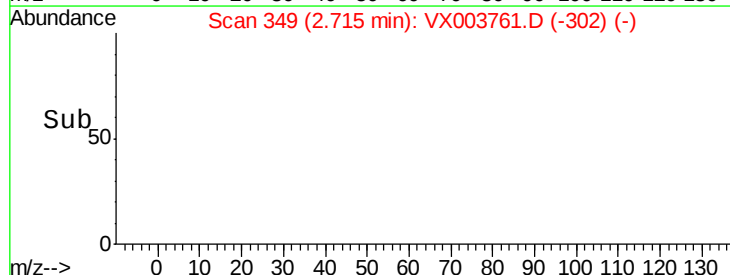
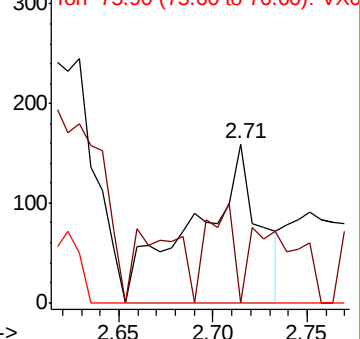
76 0.0 27.0 40.6#

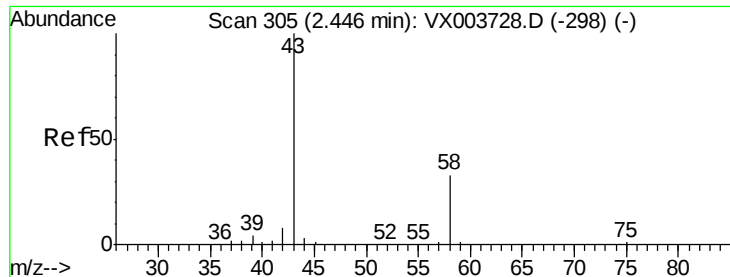


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 128.16 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

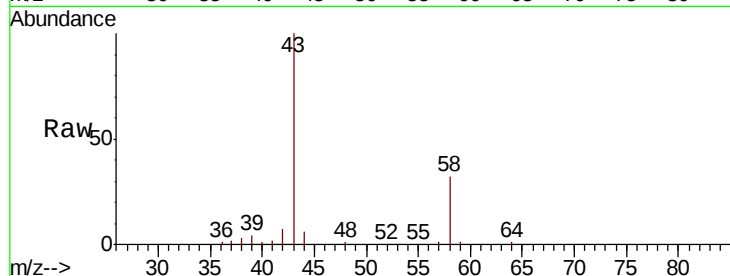
SB-11(3-5)

Tot Ion: 43 Resp: 53512

Ion Ratio Lower Upper

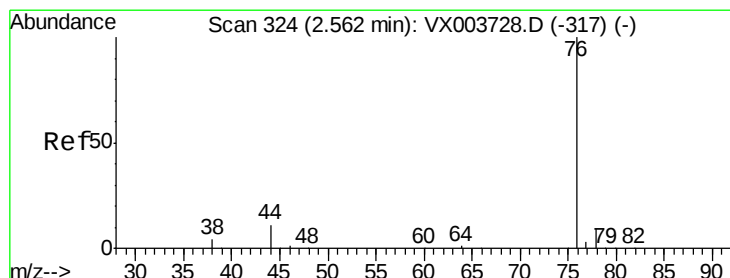
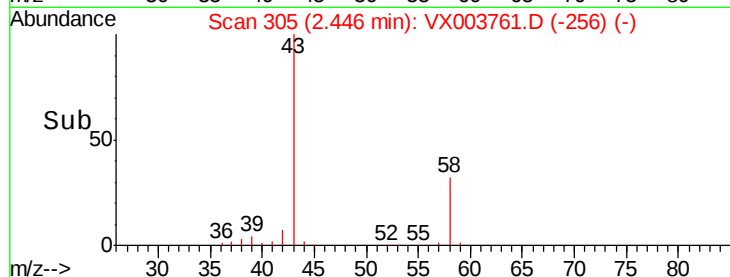
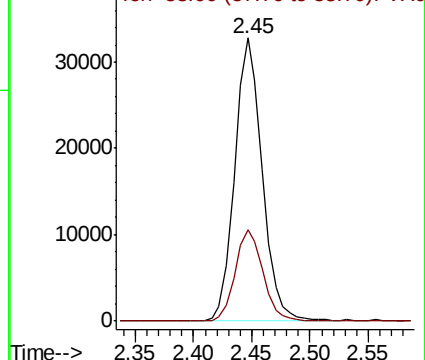
43 100

58 32.4 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: 3.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003761.D

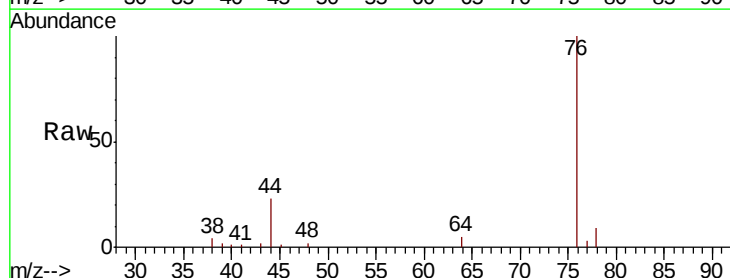
Acq: 31 Jul 2018 19:56

Tgt Ion: 76 Resp: 10689

Ion Ratio Lower Upper

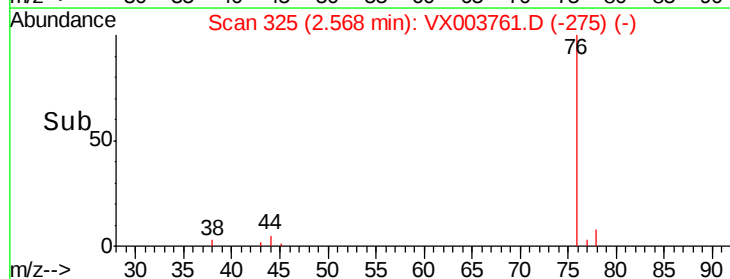
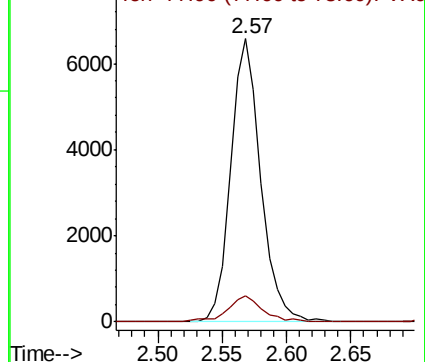
76 100

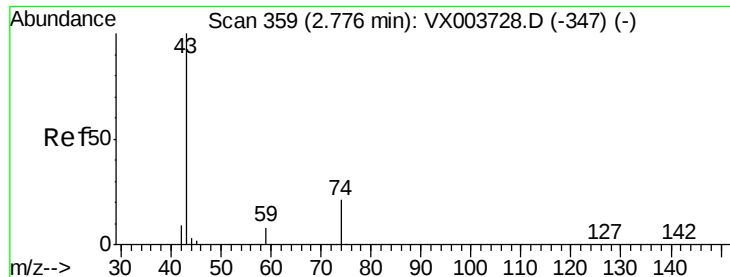
78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 0.96 ug/l

RT: 2.78 min Scan# 359

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

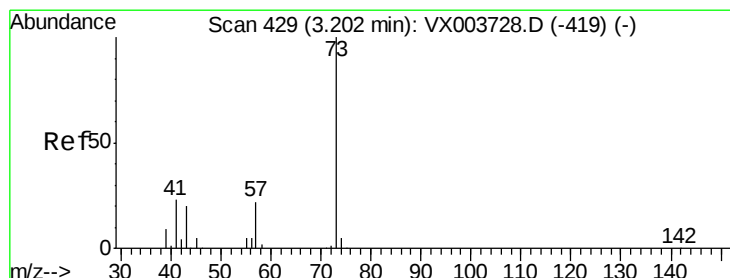
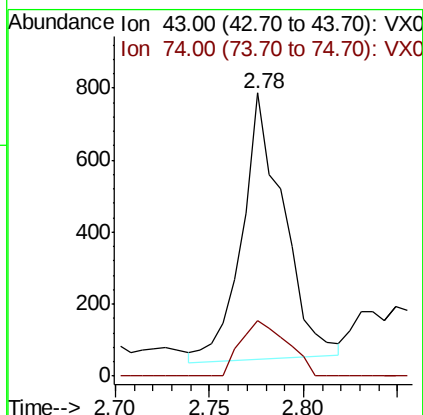
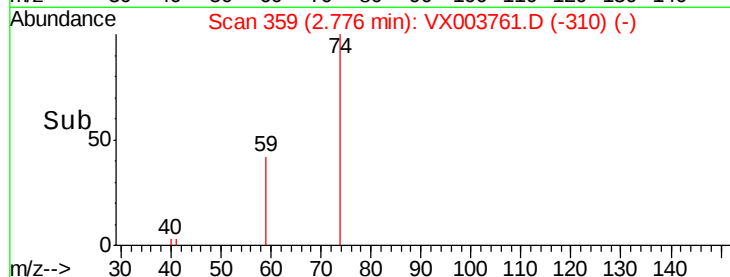
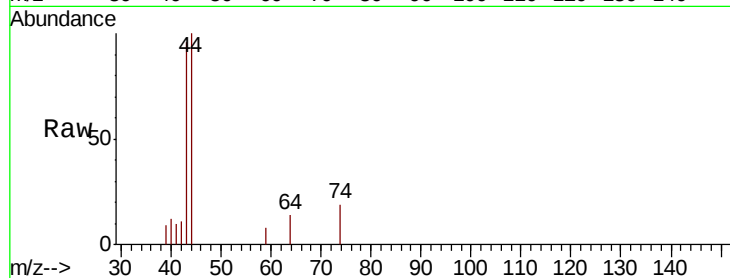
SB-11(3-5)

Tot Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

74 23.3 18.9 28.3



#19

Methyl tert-butyl Ether

Concen: 0.44 ug/l

RT: 3.21 min Scan# 430

Delta R.T. 0.01 min

Lab File: VX003761.D

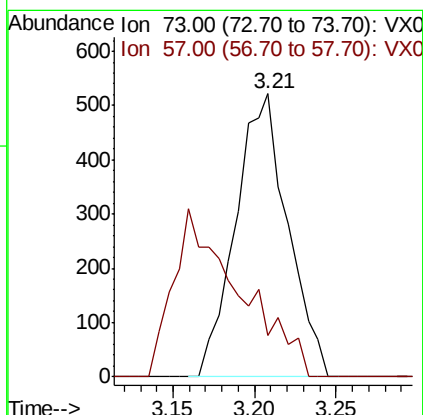
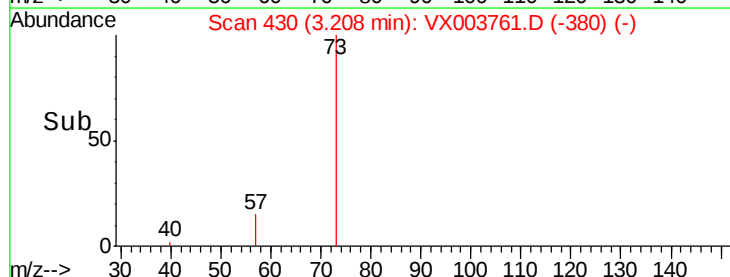
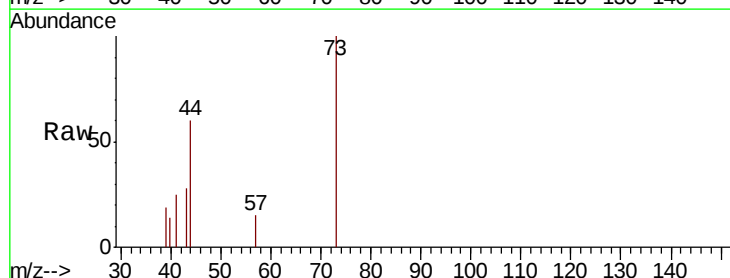
Acq: 31 Jul 2018 19:56

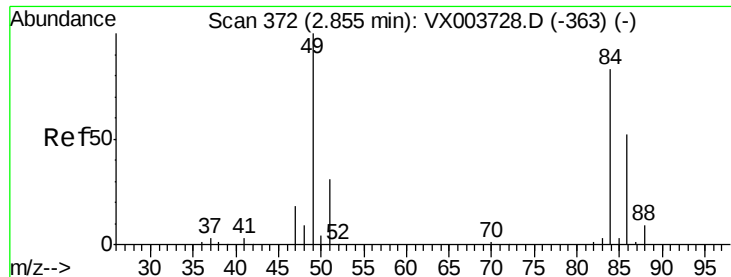
Tgt Ion: 73 Resp: 1157

Ion Ratio Lower Upper

73 100

57 14.6 18.0 27.0#

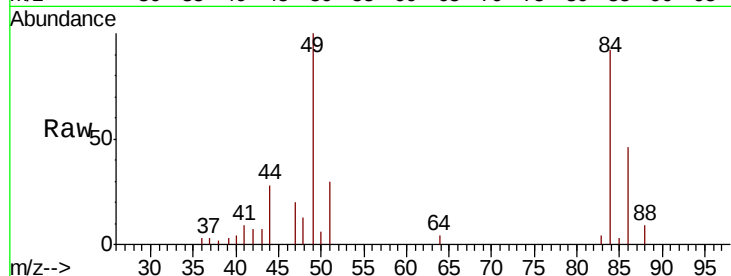




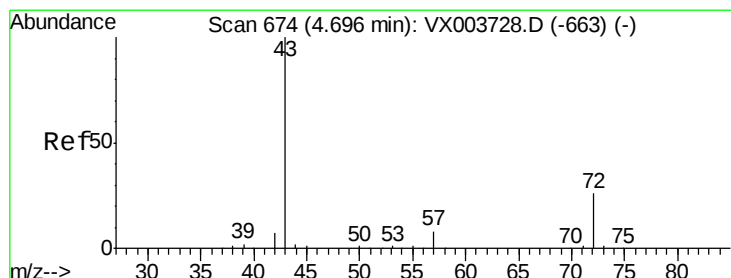
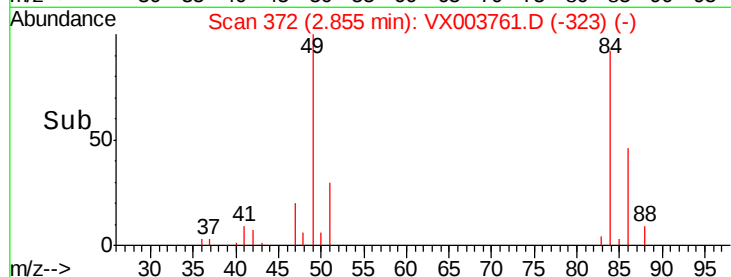
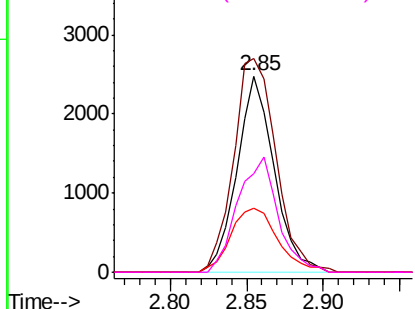
#20
Methvlene Chloride
Concen: 0.66 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

Tot Ion:	84	Resp:	4181
Ion	Ratio	Lower	Upper
84	100		
49	109.1	95.8	143.8
51	33.0	29.6	44.4
86	50.5	50.0	75.0

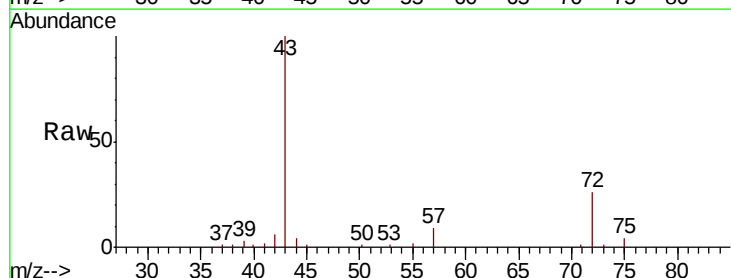


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

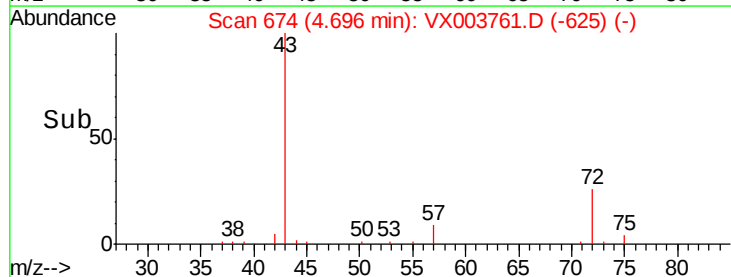
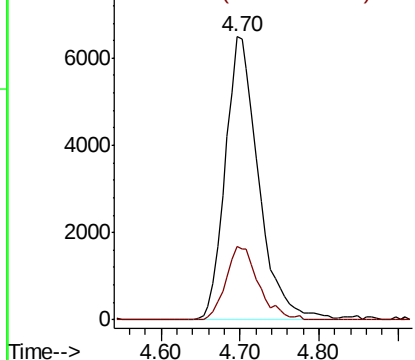


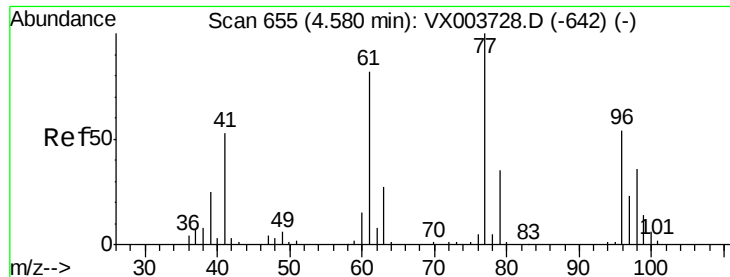
#25
2-Butanone
Concen: 31.36 ug/l
RT: 4.70 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion:	43	Resp:	19089
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.9	31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

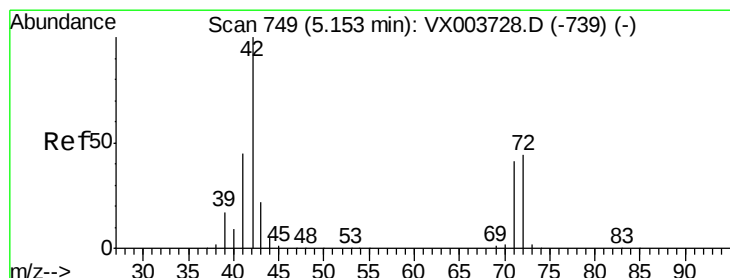
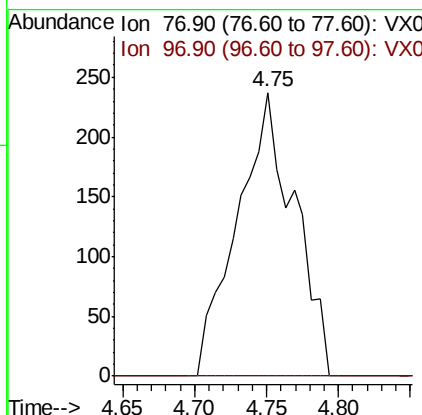
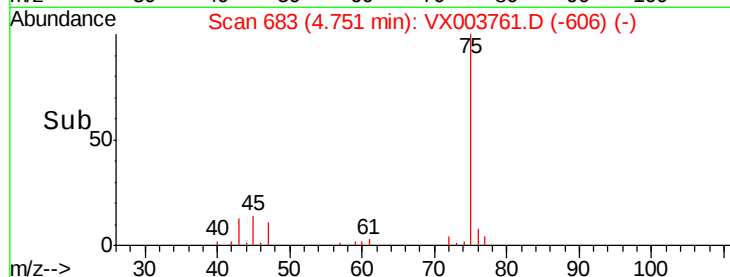
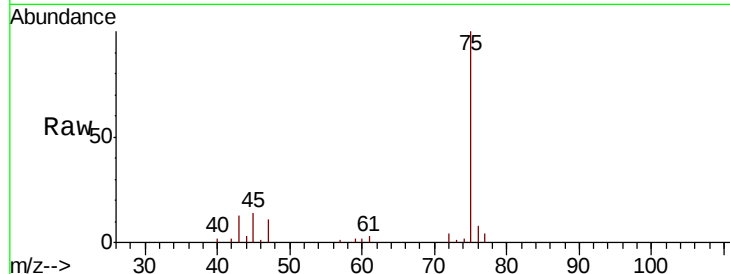




#26
 2,2-Dichloropropane
 Concen: 0.46 ug/l
 RT: 4.75 min Scan# 683
 Delta R.T. 0.17 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

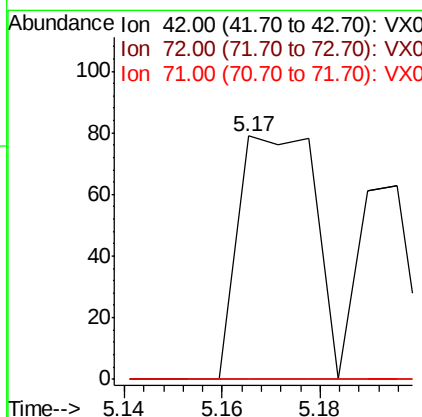
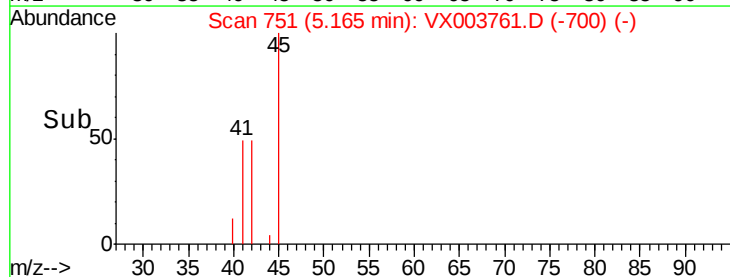
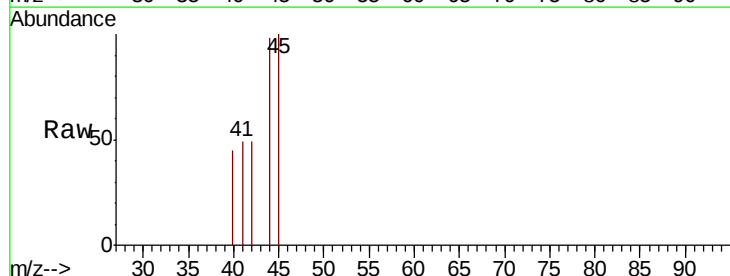
Instrument :
 MSVOA_X
 ClientSampled :
 SB-11(3-5)

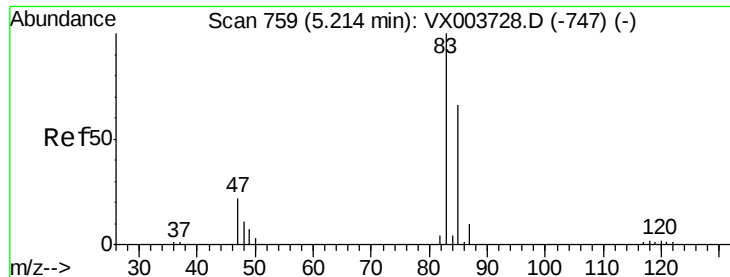
Tot Ion: 77 Resp: 657
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#29
 Tetrahydrofuran
 Concen: 0.22 ug/l
 RT: 5.17 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

Tgt Ion: 42 Resp: 85
 Ion Ratio Lower Upper
 42 100
 72 0.0 35.6 53.4#
 71 0.0 33.4 50.0#

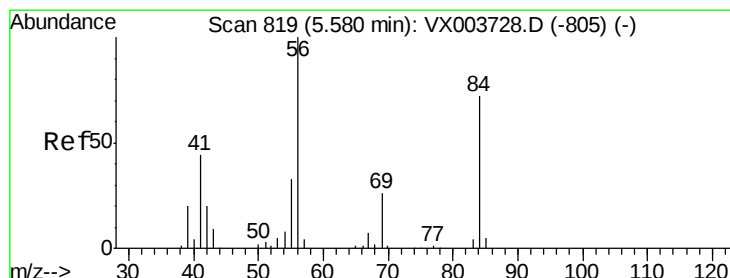
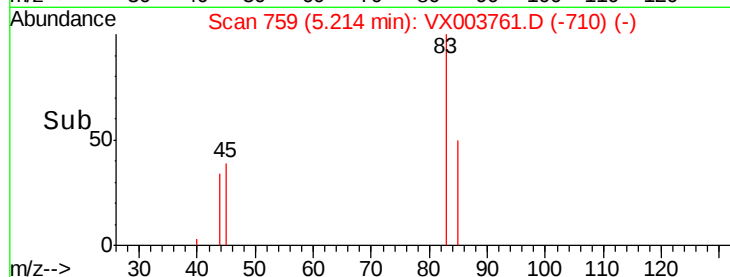
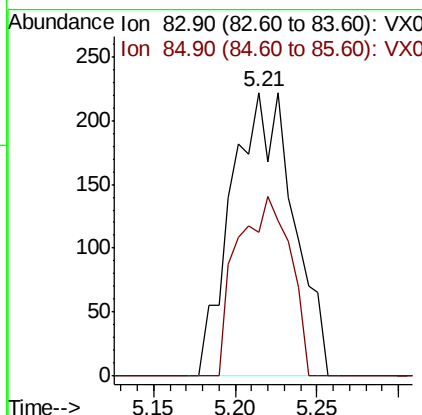
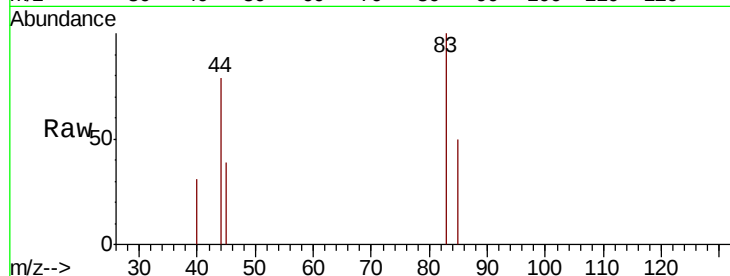




#30
Chloroform
Concen: 0.33 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

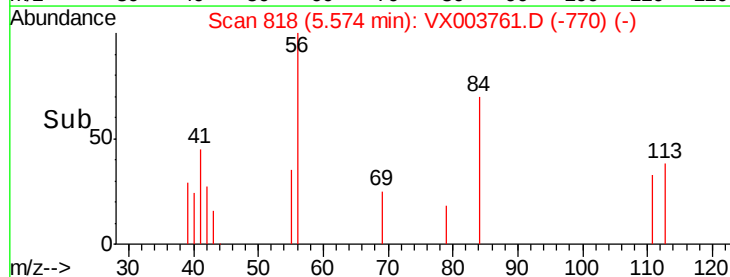
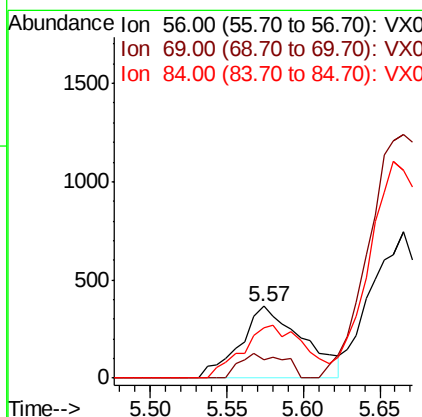
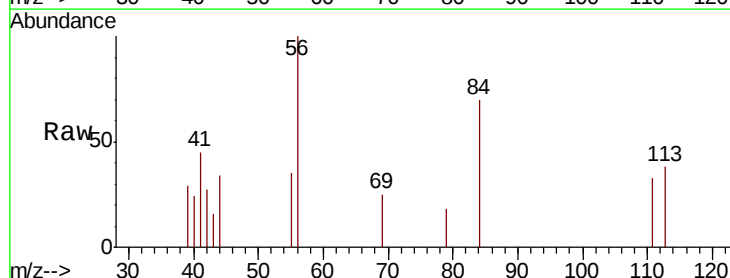
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

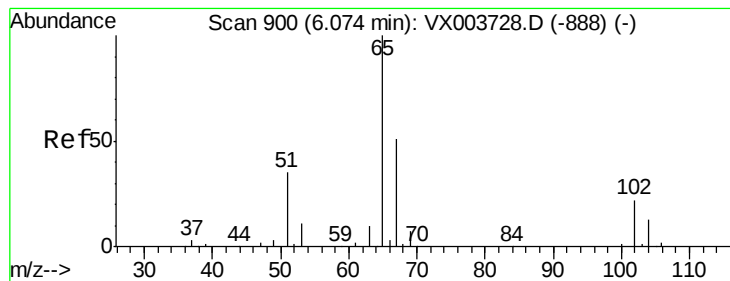
Tot Ion: 83 Resp: 585
Ion Ratio Lower Upper
83 100
85 50.5 52.8 79.2#



#31
Cyclohexane
Concen: 0.60 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 56 Resp: 1039
Ion Ratio Lower Upper
56 100
69 25.3 20.6 30.8
84 70.3 57.9 86.9





#33

1,2-Dichloroethane-d4

Concen: 53.35 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

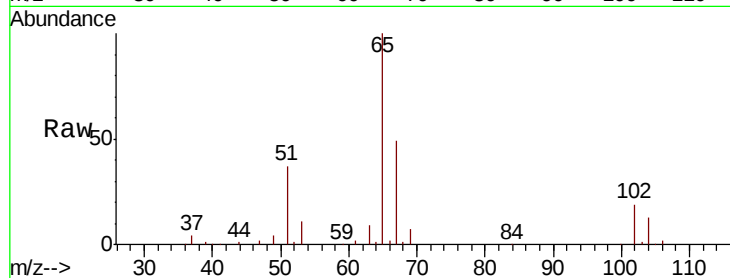
SB-11(3-5)

Tot Ion: 65 Resp: 58314

Ion Ratio Lower Upper

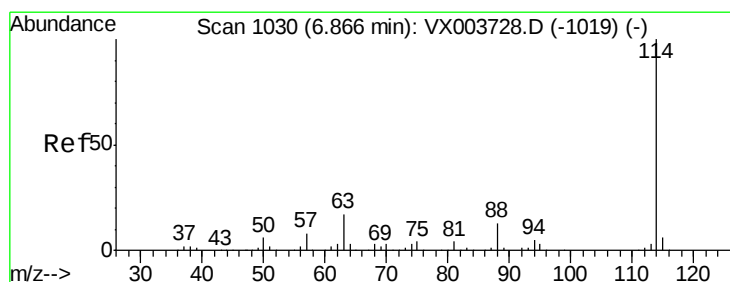
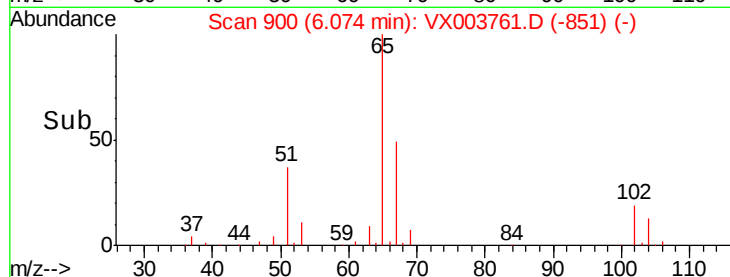
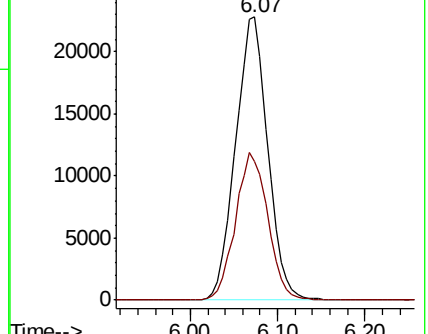
65 100

67 52.3 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: VX003761.D

Acq: 31 Jul 2018 19:56

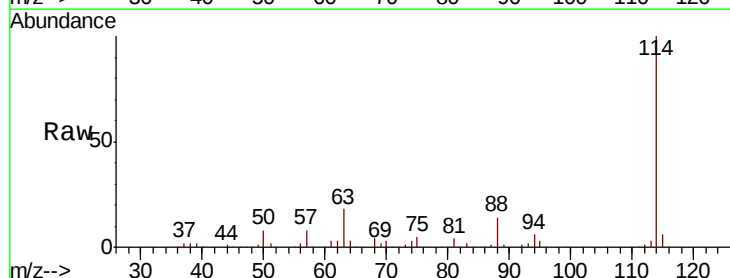
Tgt Ion: 114 Resp: 173026

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

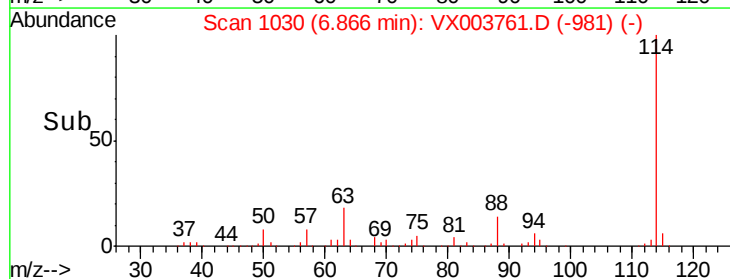
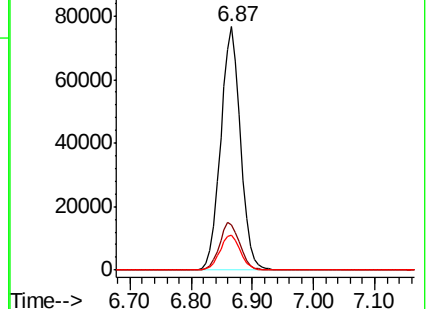
88 14.4 0.0 26.4

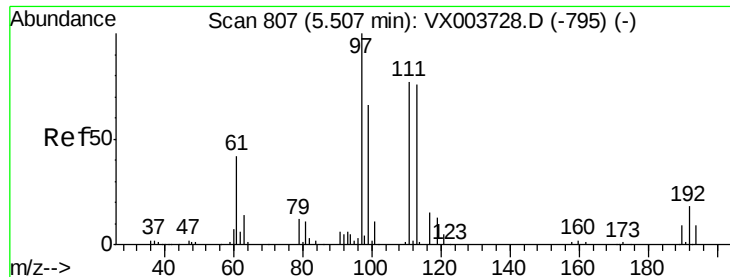


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.95 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SB-11(3-5)

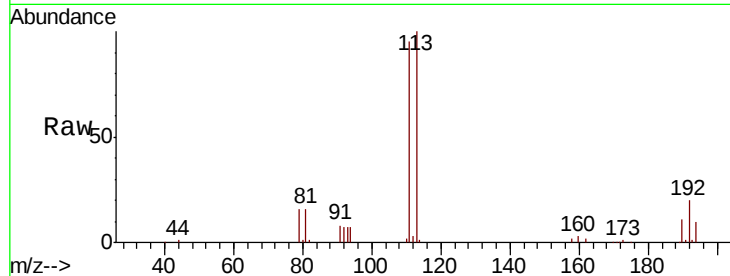
Tot Ion:113 Resp: 50894

Ion Ratio Lower Upper

113 100

111 98.4 81.8 122.6

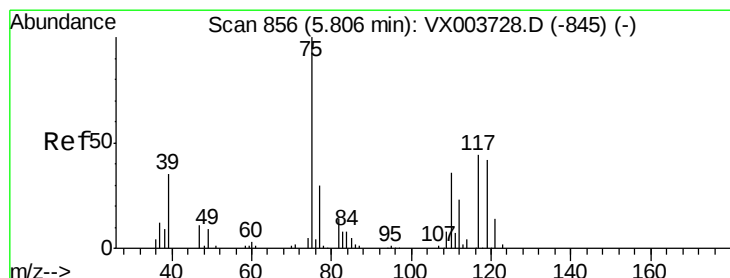
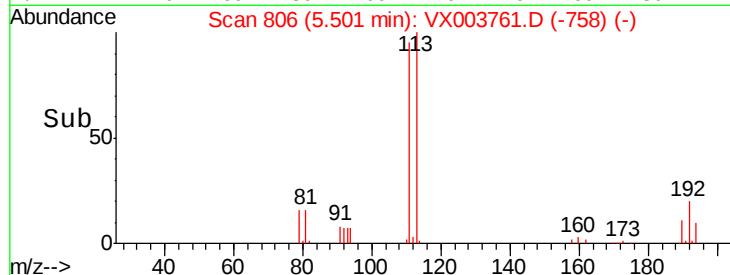
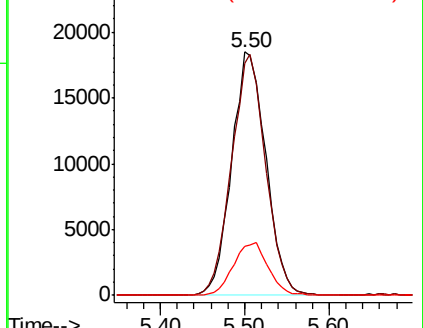
192 21.9 18.8 28.2



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: 4.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

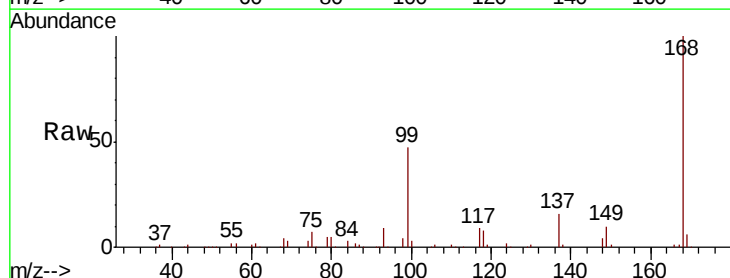
Tgt Ion: 75 Resp: 7785

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

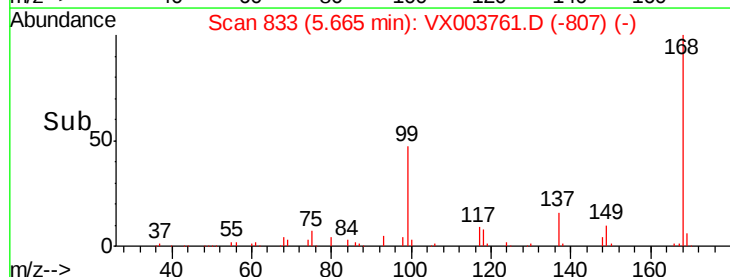
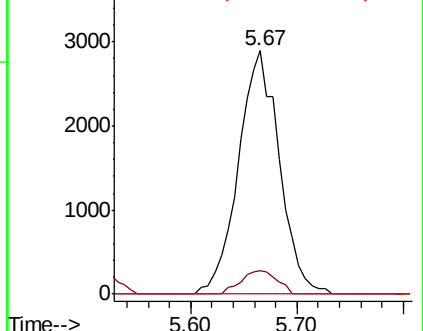
77 0.0 25.1 37.7#

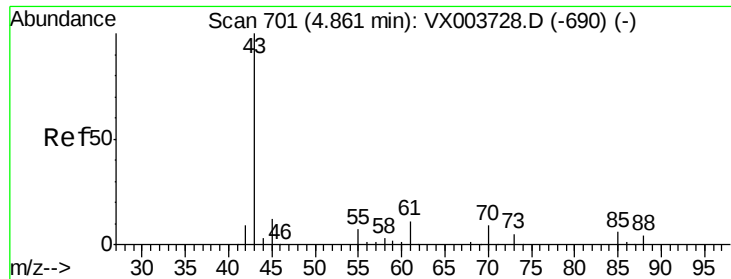


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

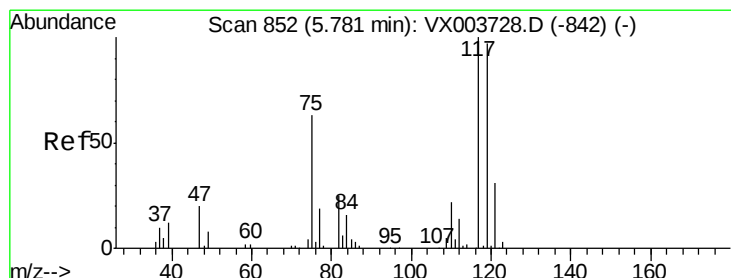
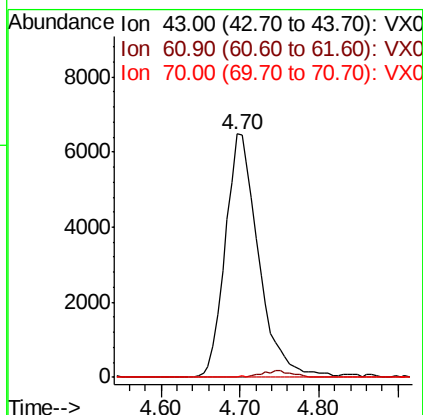
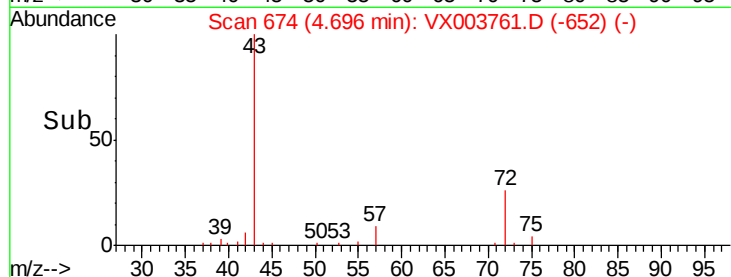
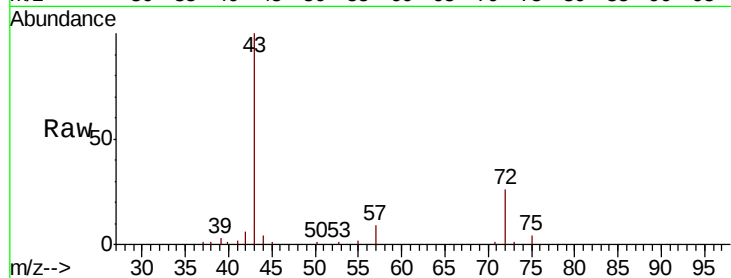




#37
Ethyl Acetate
Concen: 15.34 ug/l
RT: 4.70 min Scan# 674
Delta R.T. -0.16 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

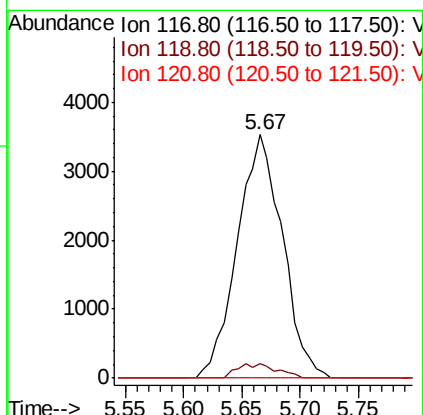
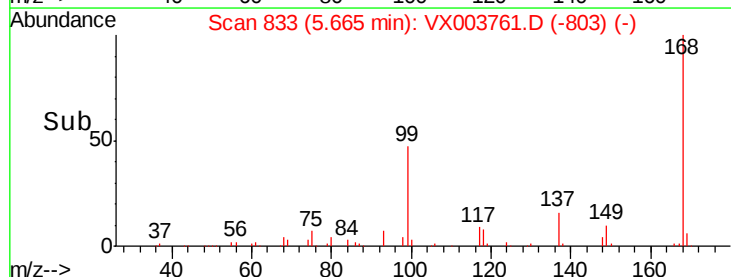
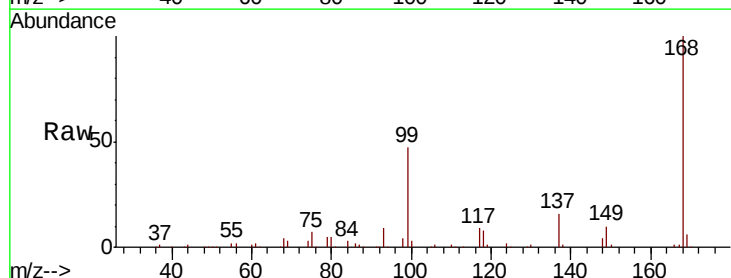
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

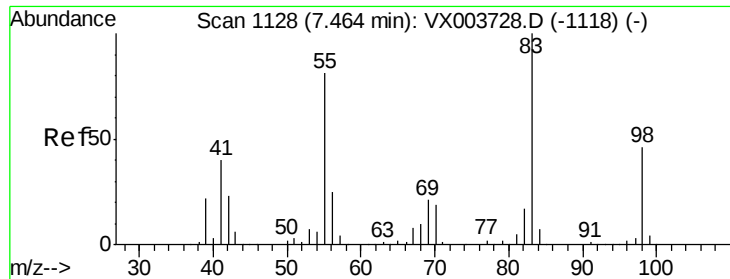
Tot Ion: 43 Resp: 19089
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 117 Resp: 9529
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 25.0 37.4#

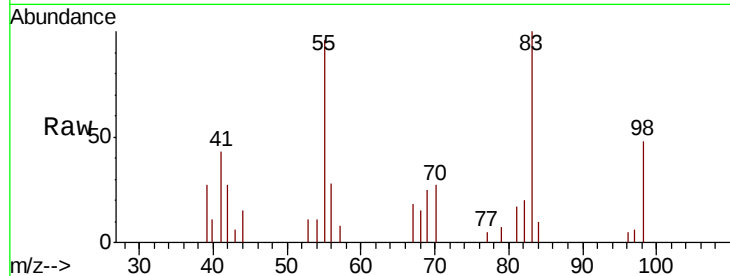




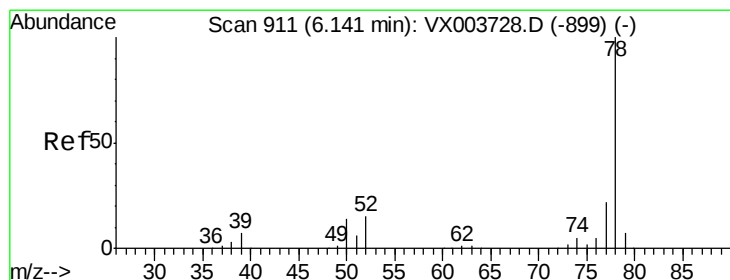
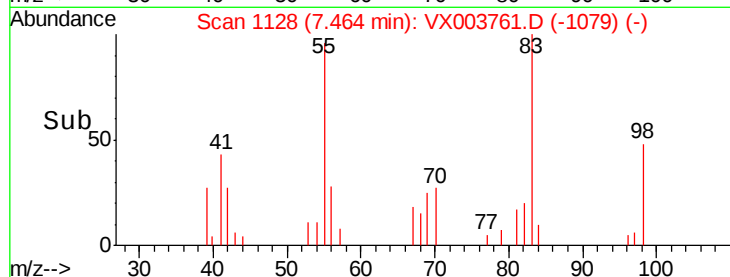
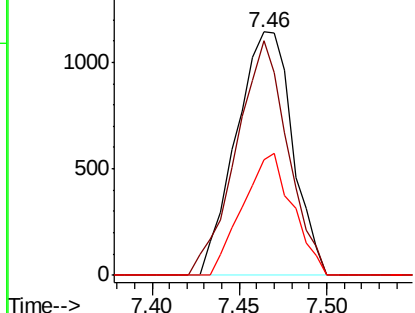
#39
Methvlcvclohexane
Concen: 1.28 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Instrument :
MSVOA_X
ClientSampled :
SB-11(3-5)

Tot Ion: 83 Resp: 2555
Ion Ratio Lower Upper
83 100
55 96.3 65.0 97.6
98 47.7 37.1 55.7

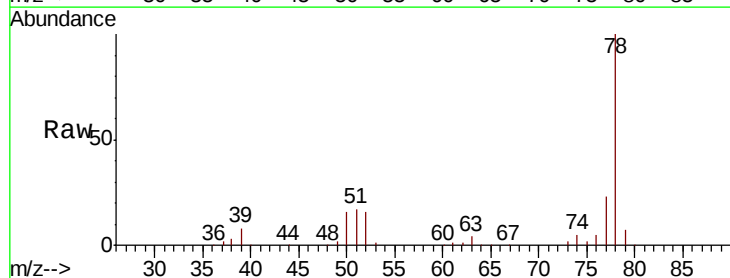


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

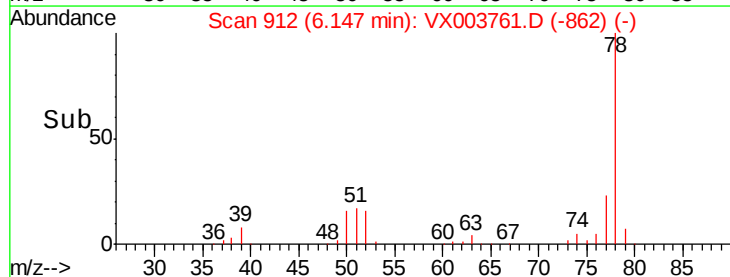
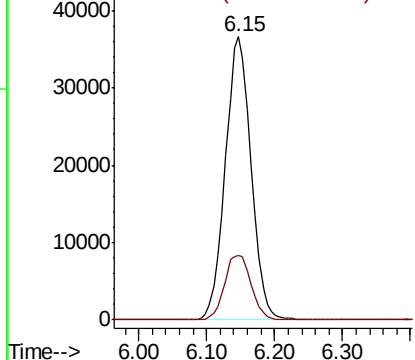


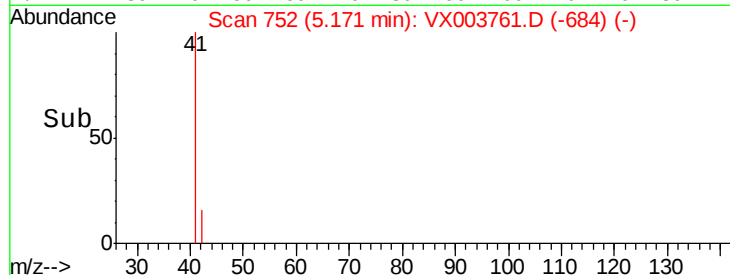
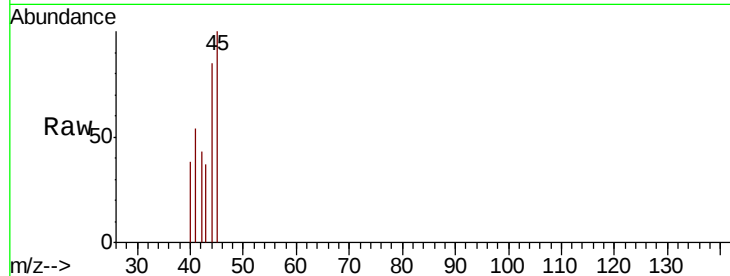
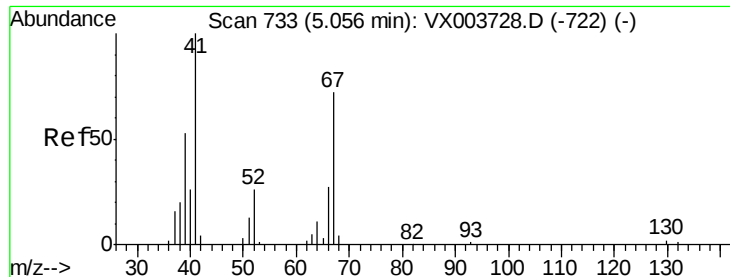
#40
Benzene
Concen: 20.66 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 78 Resp: 95950
Ion Ratio Lower Upper
78 100
77 22.6 17.9 26.9



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

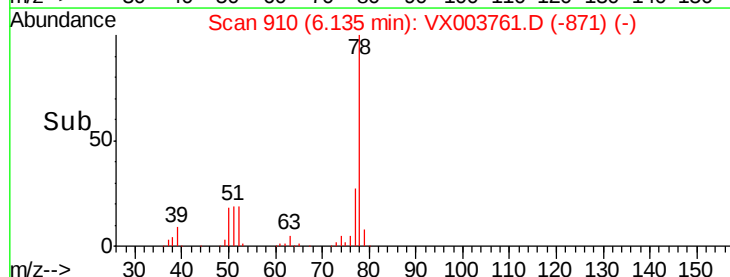
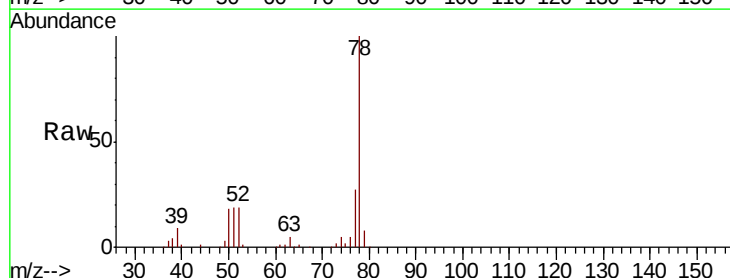
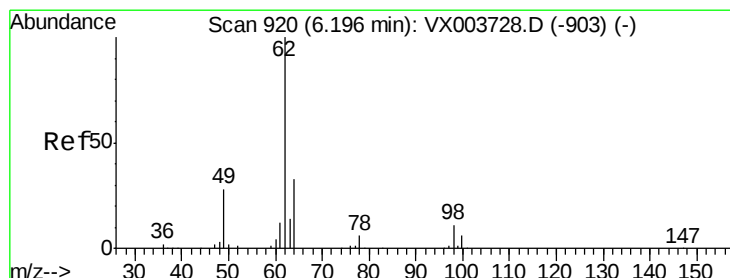
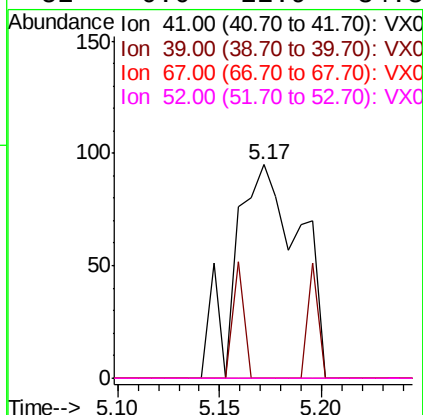




#41
Methacrylonitrile
Concen: 0.30 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.12 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

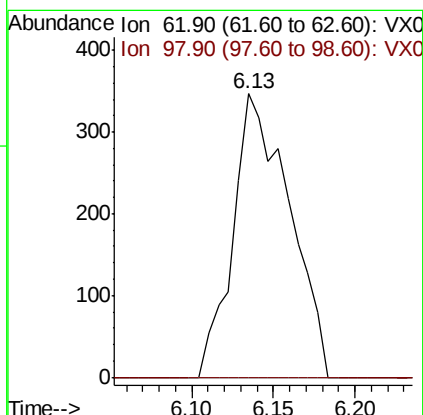
Instrument :
MSVOA_X
ClientSampled :
SB-11(3-5)

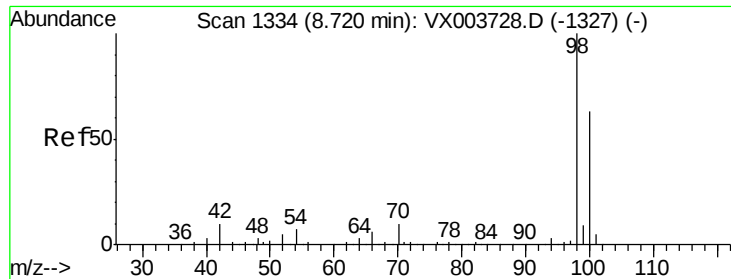
Tot Ion:	41	Resp:	211
Ion	Ratio	Lower	Upper
41	100		
39	9.0	42.6	64.0#
67	0.0	58.9	88.3#
52	0.0	22.9	34.3#



#42
1,2-Dichloroethane
Concen: 0.60 ug/l
RT: 6.13 min Scan# 910
Delta R.T. -0.06 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion:	62	Resp:	837
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.4





#50

Toluene-d8

Concen: 43.63 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

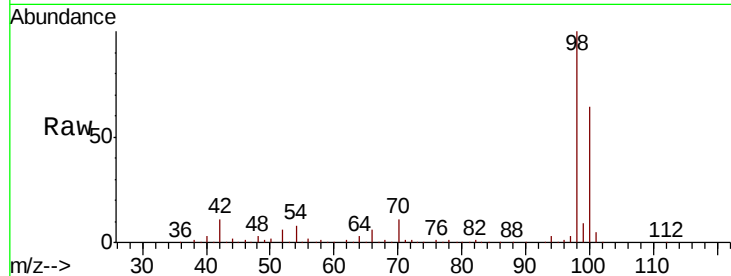
SB-11(3-5)

Tot Ion: 98 Resp: 185343

Ion Ratio Lower Upper

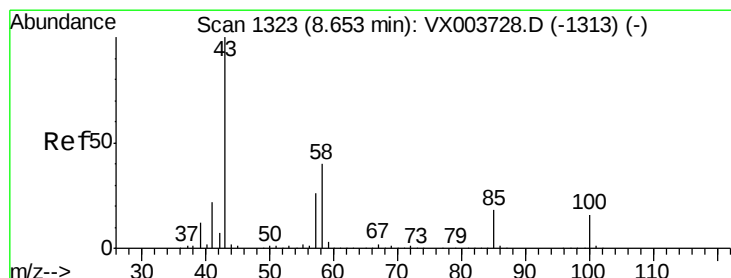
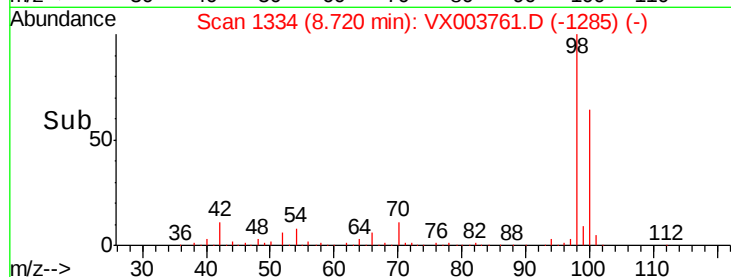
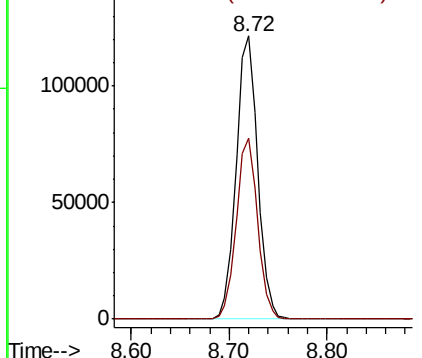
98 100

100 63.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.42 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003761.D

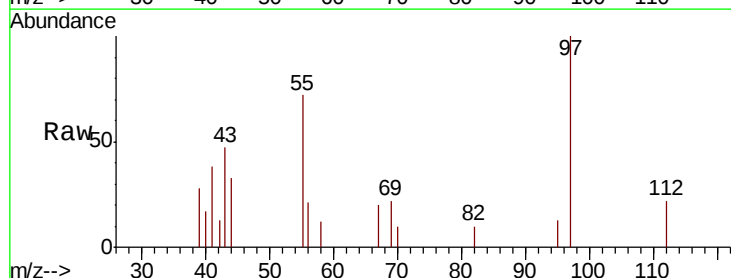
Acq: 31 Jul 2018 19:56

Tgt Ion: 43 Resp: 506

Ion Ratio Lower Upper

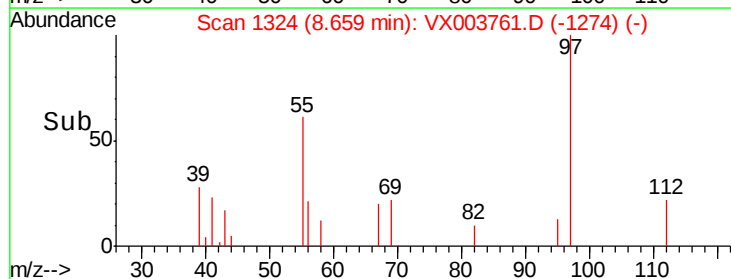
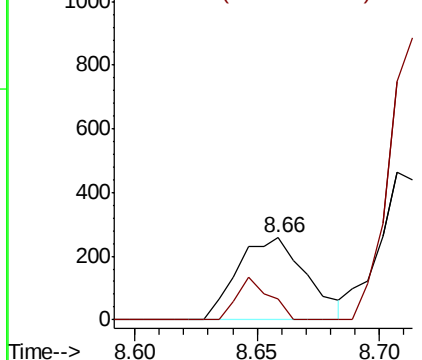
43 100

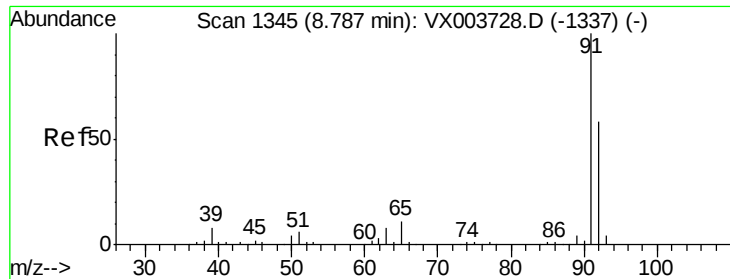
58 24.5 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 29.40 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

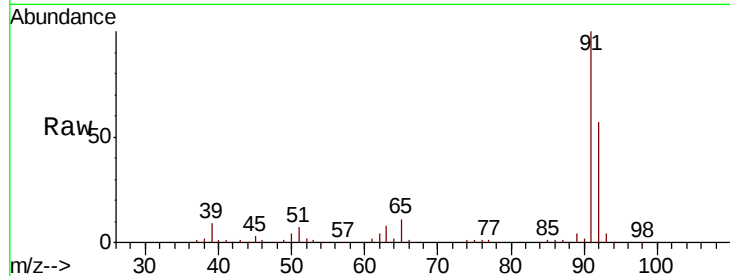
SB-11(3-5)

Tot Ion: 92 Resp: 85153

Ion Ratio Lower Upper

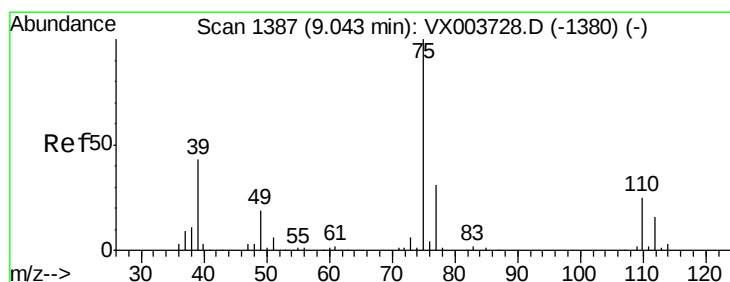
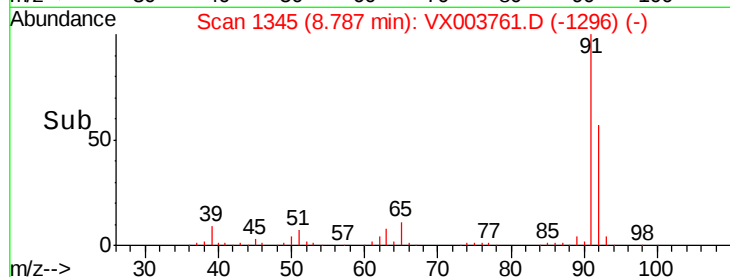
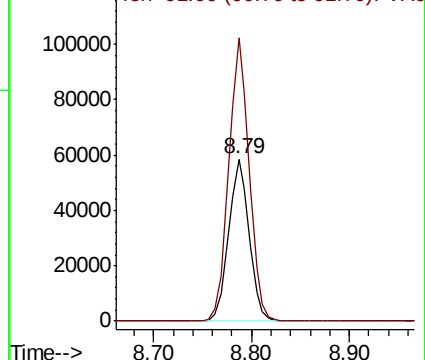
92 100

91 174.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 0.71 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.26 min

Lab File: VX003761.D

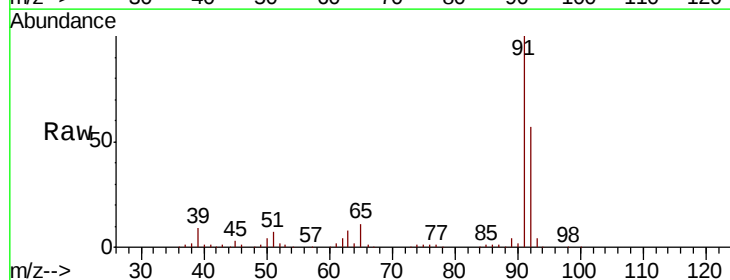
Acq: 31 Jul 2018 19:56

Tgt Ion: 75 Resp: 1057

Ion Ratio Lower Upper

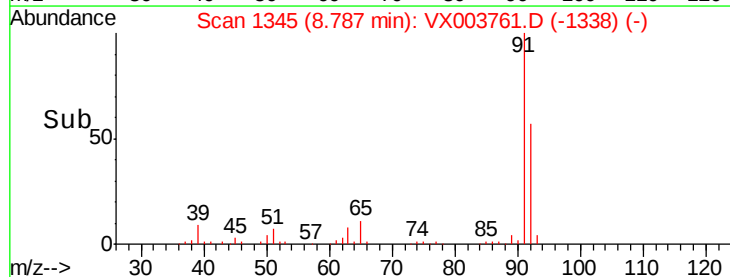
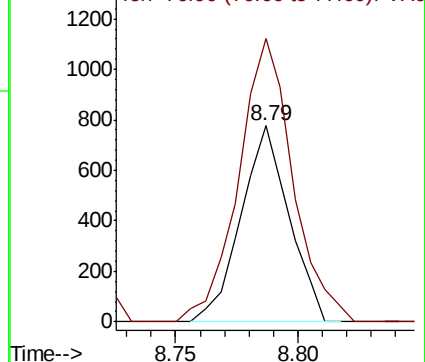
75 100

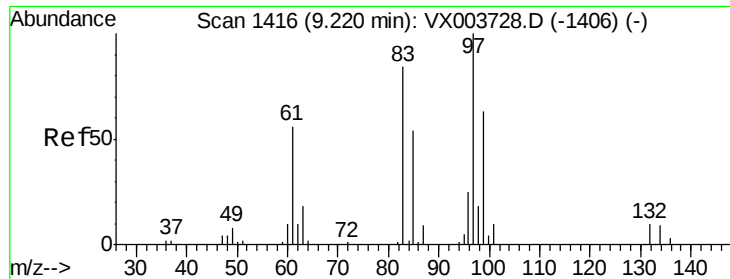
77 137.5 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

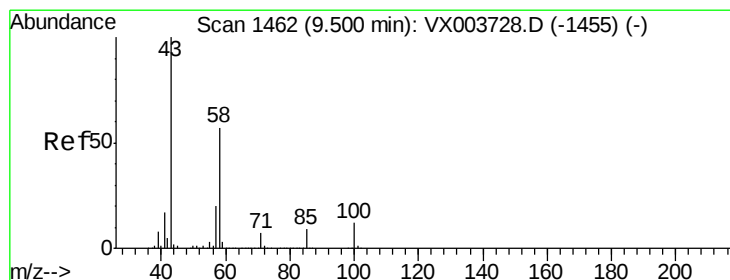
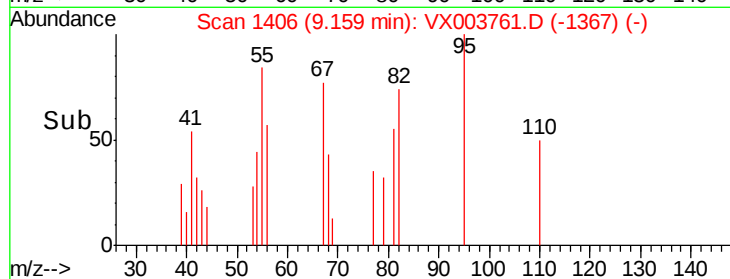
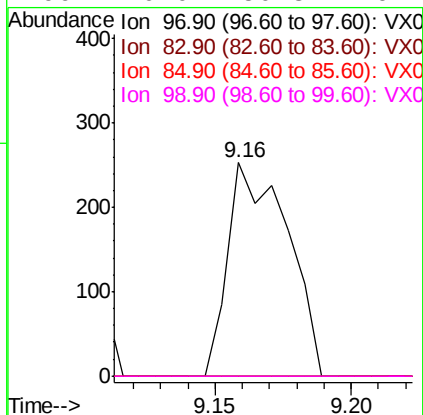
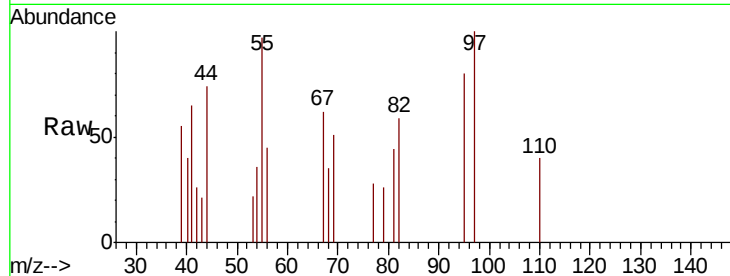




#55
 1,1,2-Trichloroethane
 Concen: 0.39 ug/l
 RT: 9.16 min Scan# 1406
 Delta R.T. -0.06 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

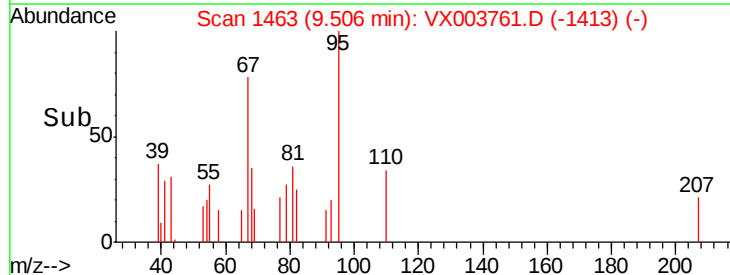
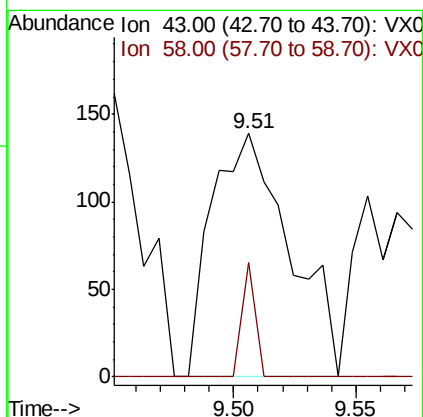
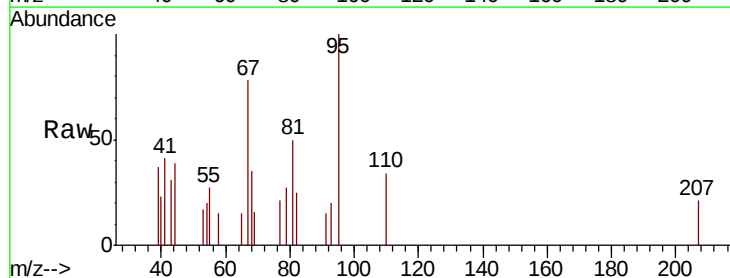
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11(3-5)

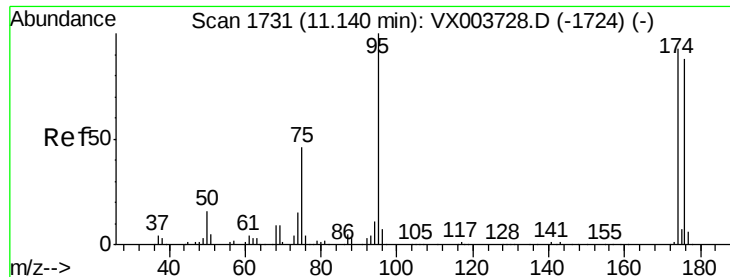
Tot Ion: 97 Resp: 384
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.3 64.9#
 99 0.0 50.8 76.2#



#59
 2-Hexanone
 Concen: 0.33 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

Tgt Ion: 43 Resp: 309
 Ion Ratio Lower Upper
 43 100
 58 7.8 28.0 83.9#

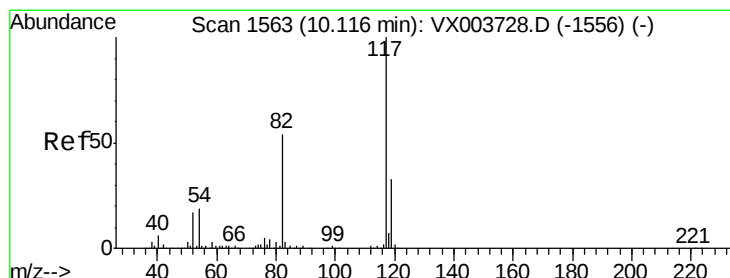
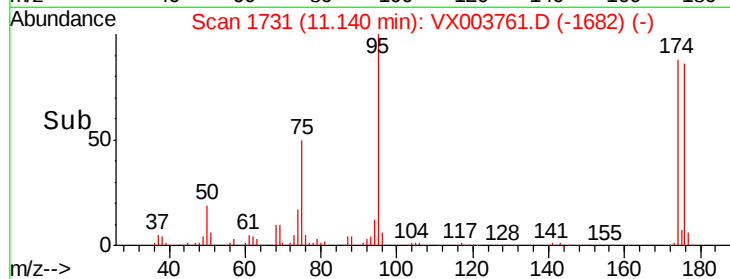
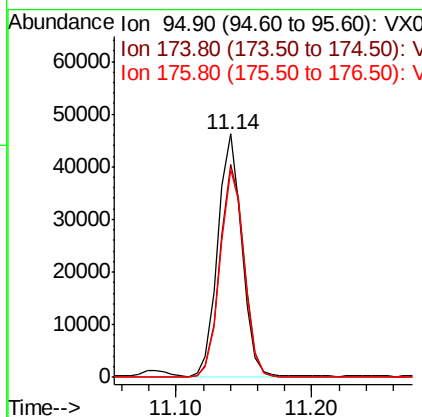
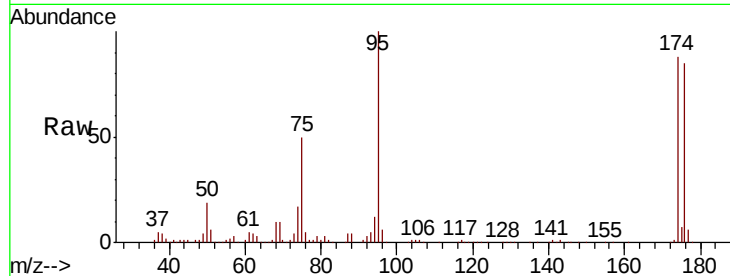




#62
4-Bromofluorobenzene
Concen: 36.11 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

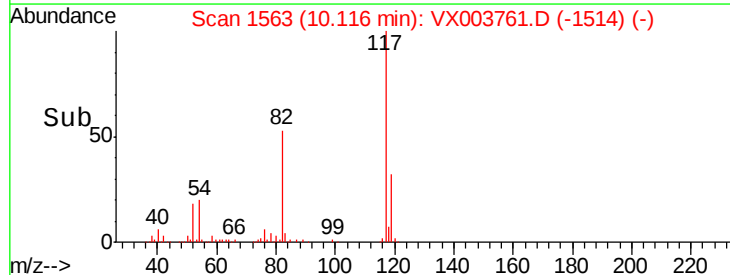
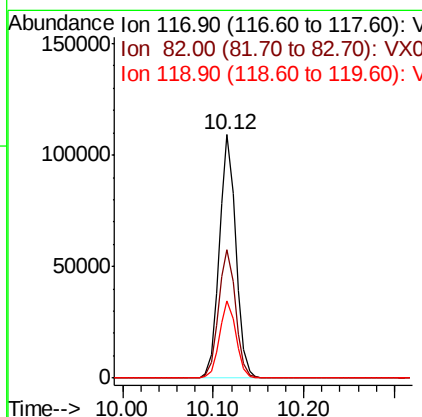
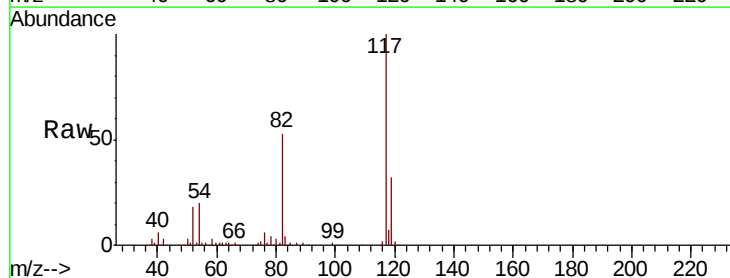
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

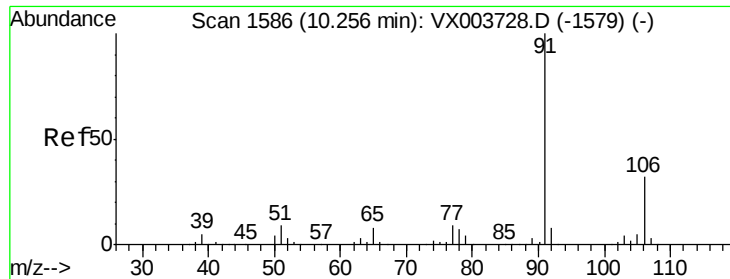
Tot Ion: 95 Resp: 56551
Ion Ratio Lower Upper
95 100
174 88.1 0.0 186.2
176 85.3 0.0 179.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 117 Resp: 138094
Ion Ratio Lower Upper
117 100
82 52.8 43.2 64.8
119 31.6 26.3 39.5

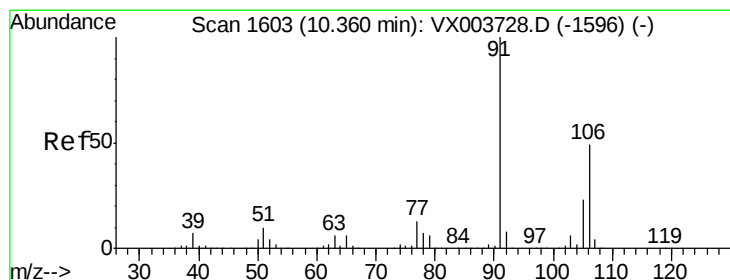
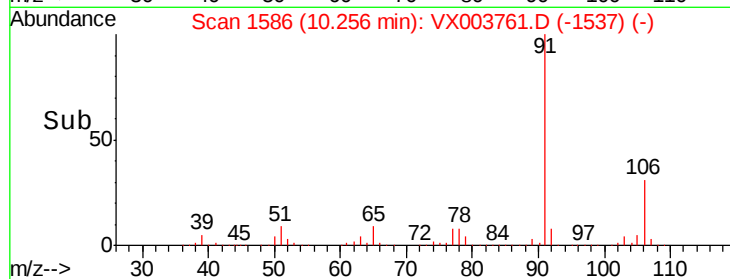
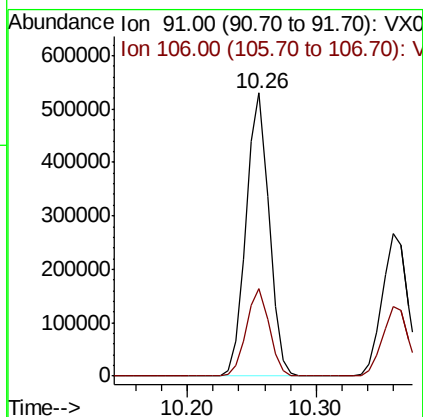
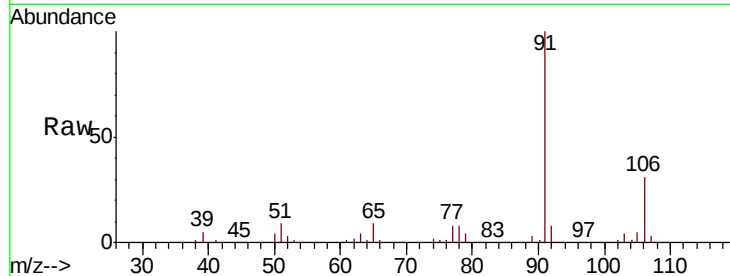




#67
Ethyl Benzene
Concen: 133.13 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

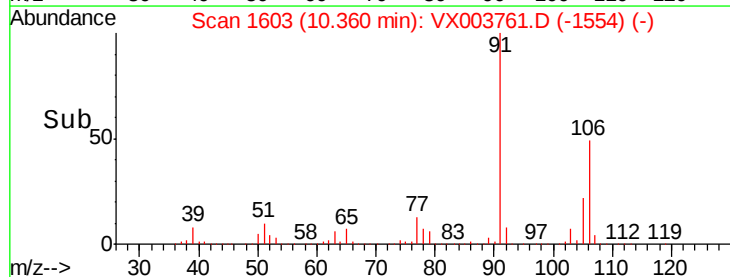
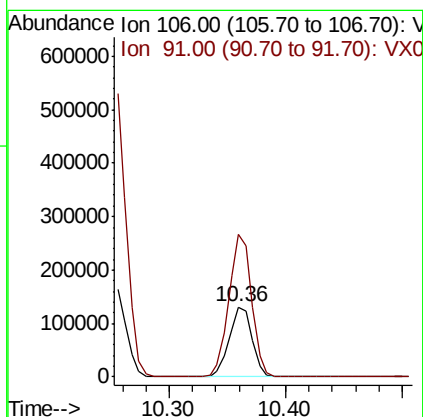
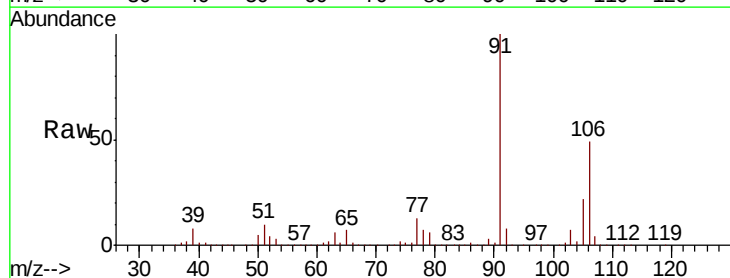
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

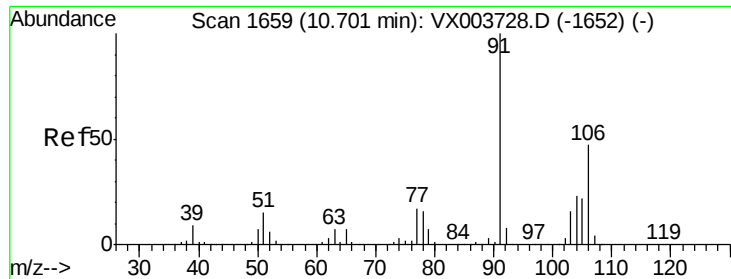
Tot Ion: 91 Resp: 648704
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2



#68
m/p-Xylenes
Concen: 93.47 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 106 Resp: 178167
Ion Ratio Lower Upper
106 100
91 203.7 159.8 239.8

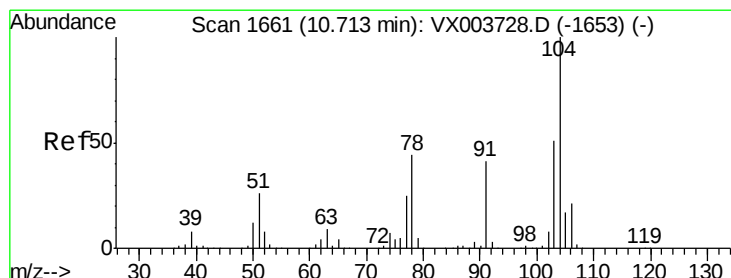
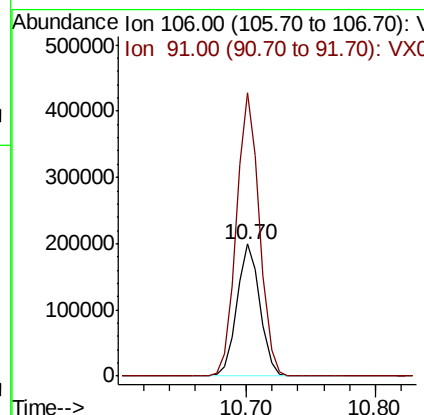
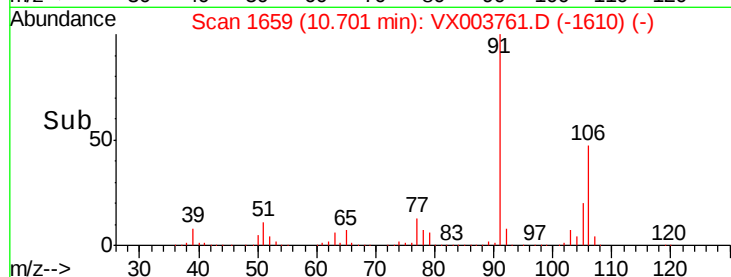
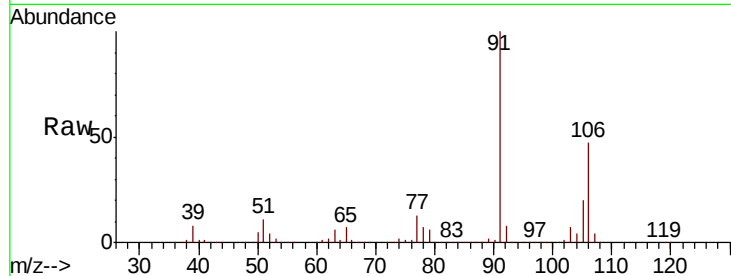




#69
o-Xylene
Concen: 140.87 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

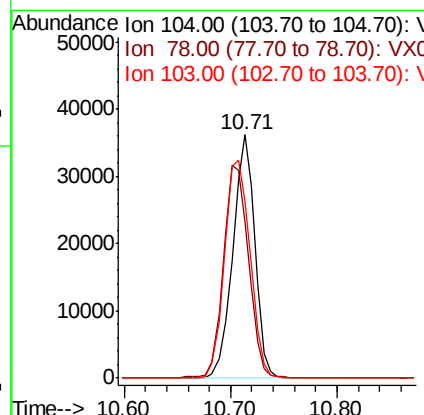
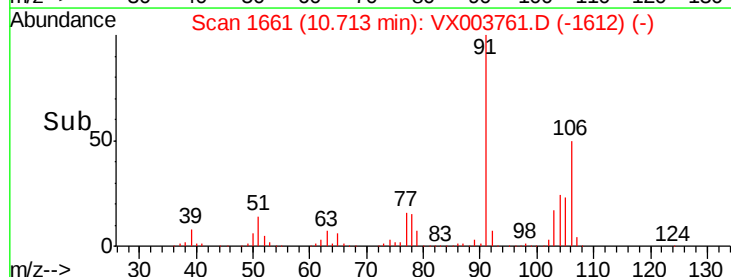
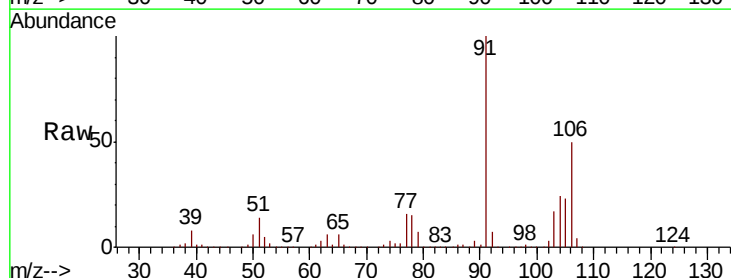
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

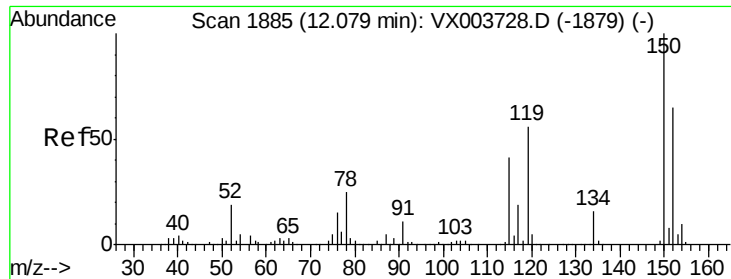
Tot Ion:106 Resp: 249332
Ion Ratio Lower Upper
106 100
91 213.3 105.6 316.8



#70
Styrene
Concen: 17.58 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion:104 Resp: 52332
Ion Ratio Lower Upper
104 100
78 99.5 38.2 57.2#
103 103.8 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: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SB-11(3-5)

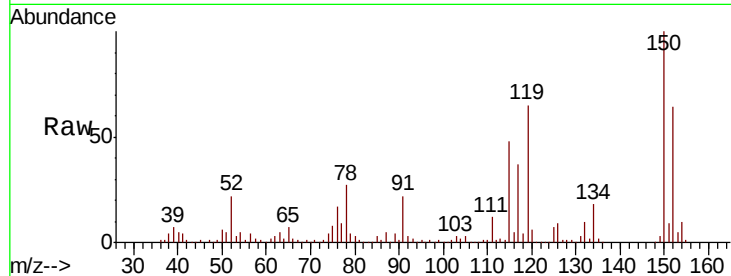
Tot Ion:152 Resp: 54780

Ion Ratio Lower Upper

152 100

115 84.3 38.5 115.3

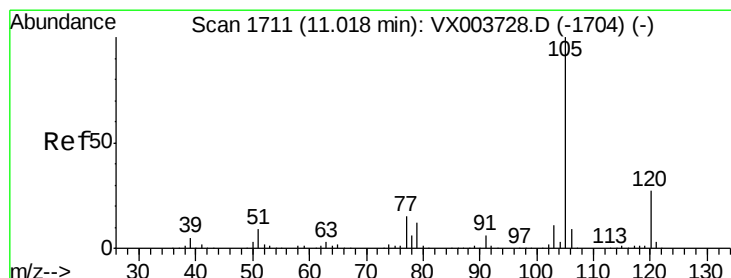
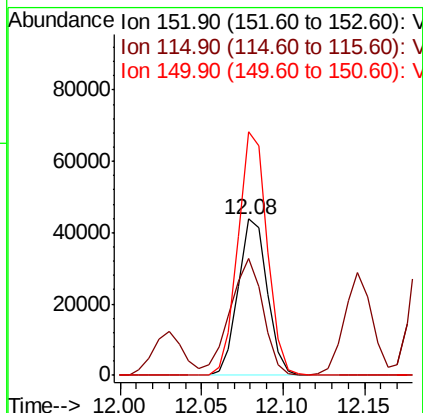
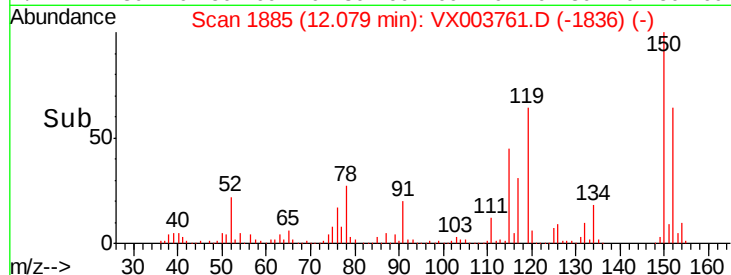
150 155.4 0.0 346.2



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



#73

Isopropylbenzene

Concen: 81.76 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003761.D

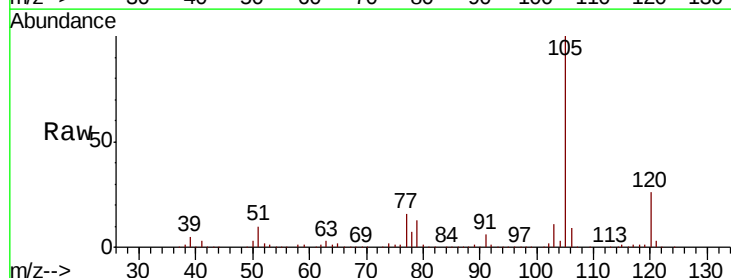
Acq: 31 Jul 2018 19:56

Tgt Ion:105 Resp: 280396

Ion Ratio Lower Upper

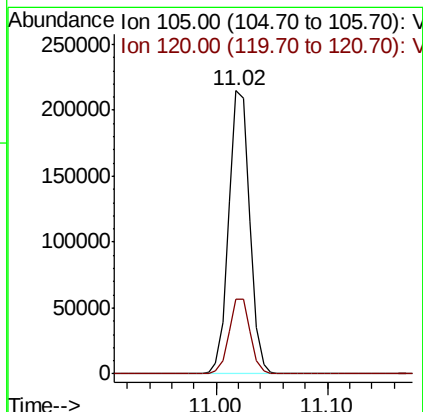
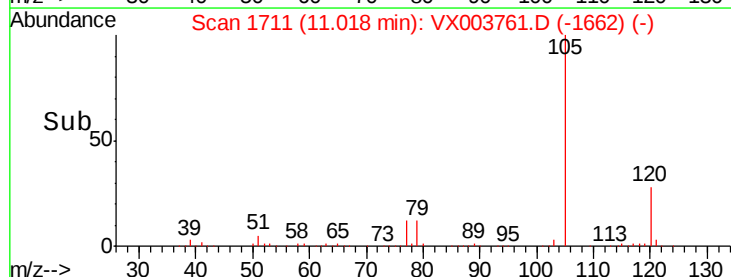
105 100

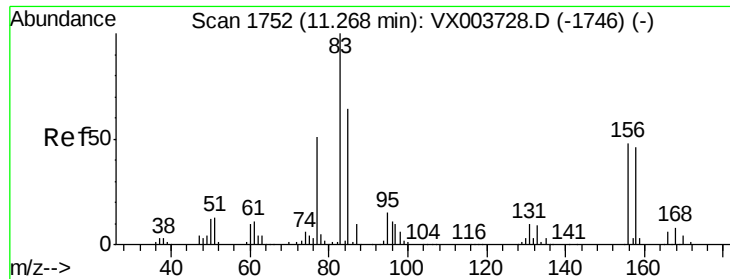
120 26.7 13.5 40.5



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: 0.50 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

SB-11(3-5)

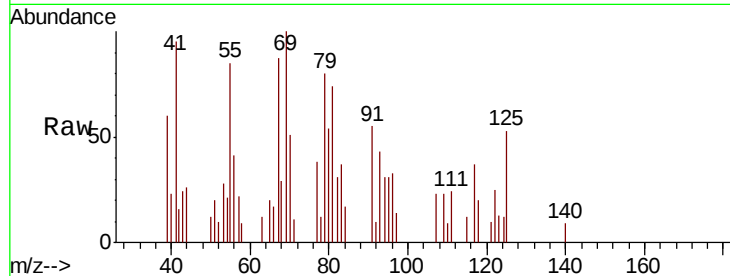
Tot Ion: 83 Resp: 448

Ion Ratio Lower Upper

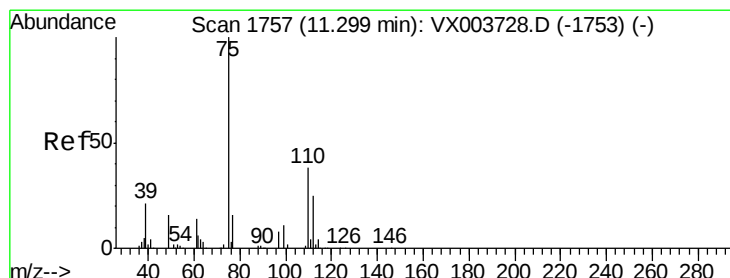
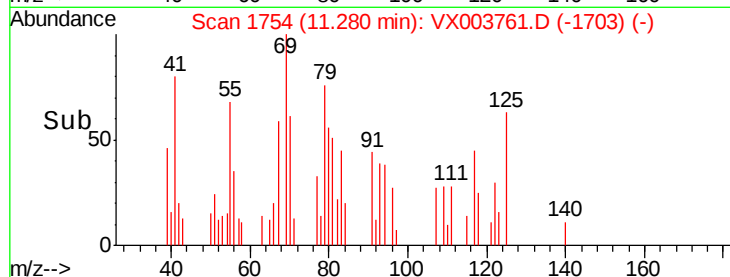
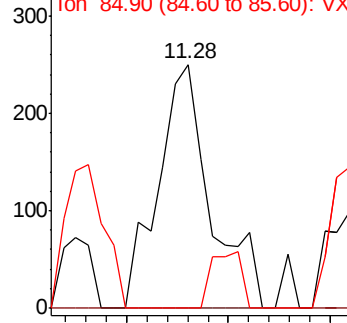
83 100

131 0.0 5.3 15.9#

85 0.0 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.26 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX003761.D

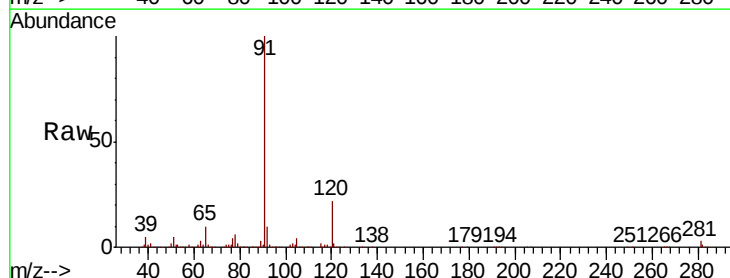
Acq: 31 Jul 2018 19:56

Tgt Ion: 75 Resp: 953

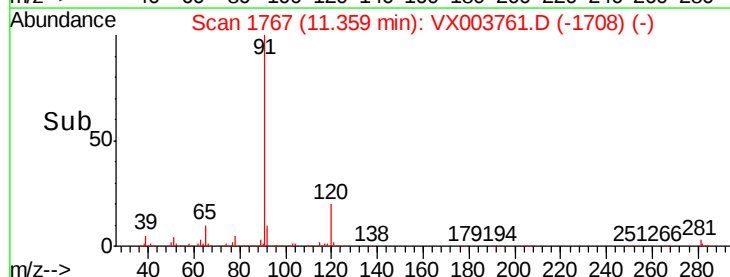
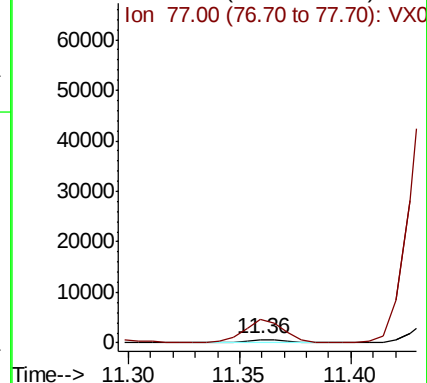
Ion Ratio Lower Upper

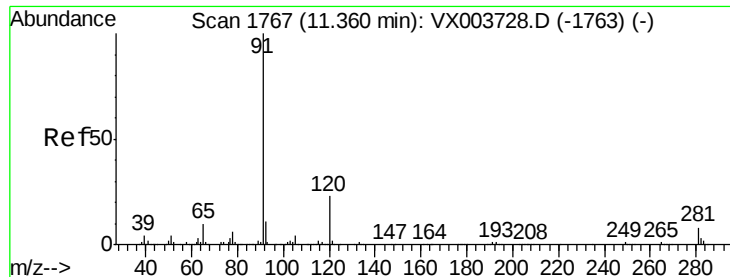
75 100

77 578.0 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0





#78

n-propylbenzene

Concen: 33.97 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

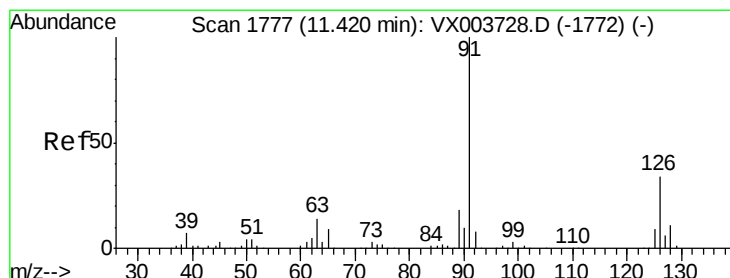
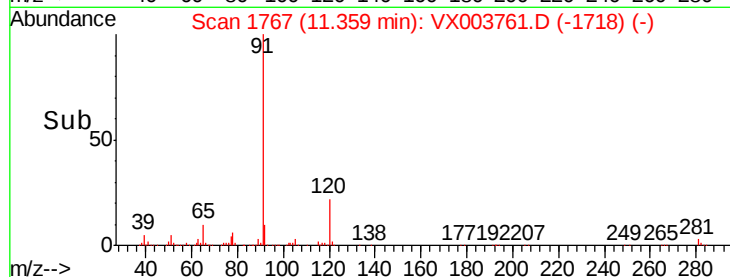
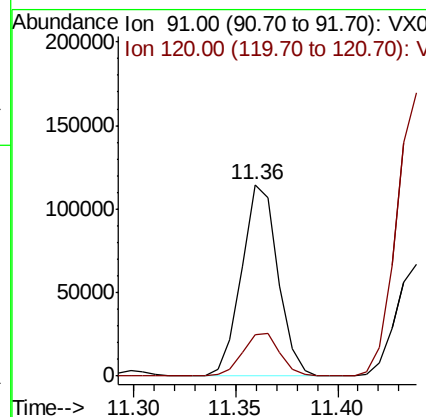
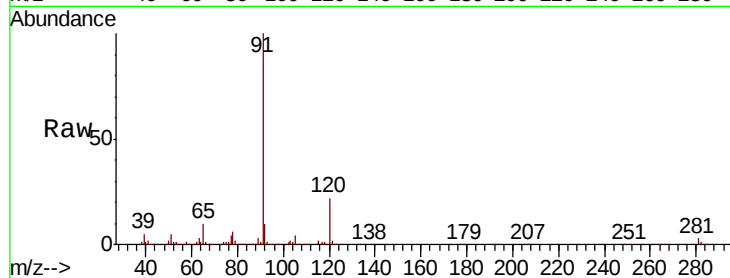
SB-11(3-5)

Tot Ion: 91 Resp: 141152

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5



#79

2-Chlorotoluene

Concen: 33.39 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003761.D

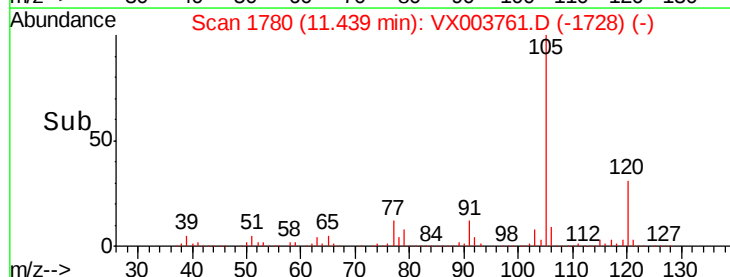
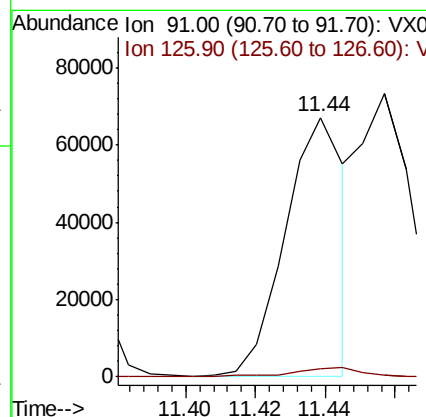
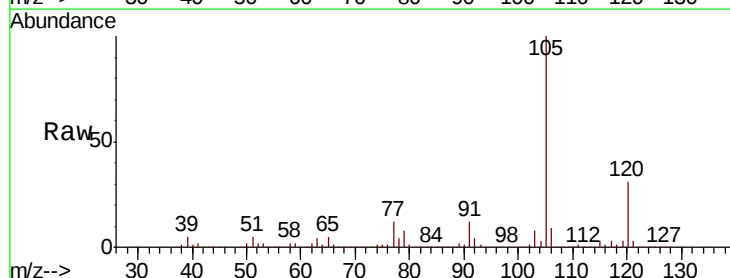
Acq: 31 Jul 2018 19:56

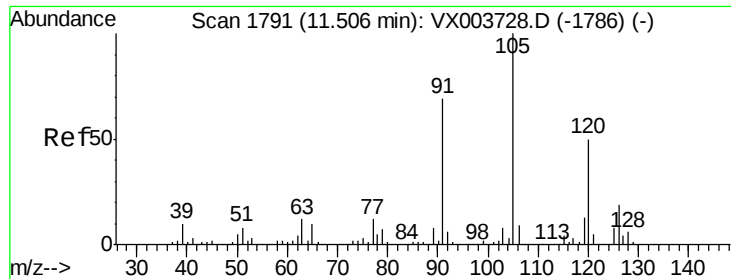
Tgt Ion: 91 Resp: 78750

Ion Ratio Lower Upper

91 100

126 4.5 17.6 52.8#

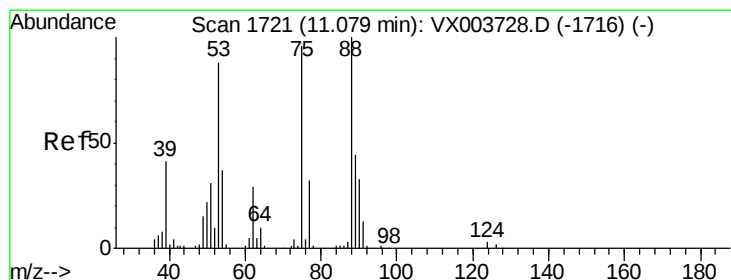
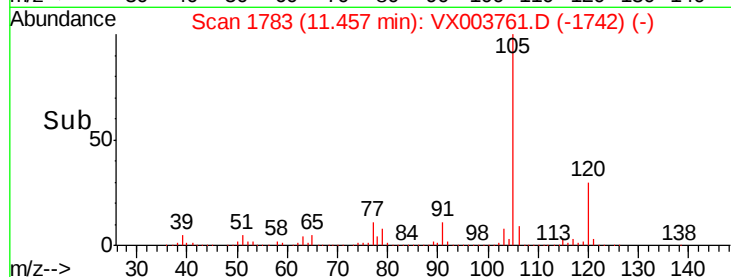
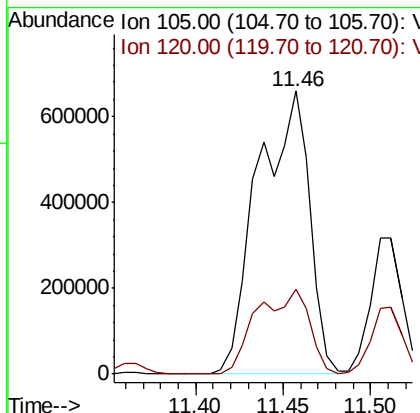
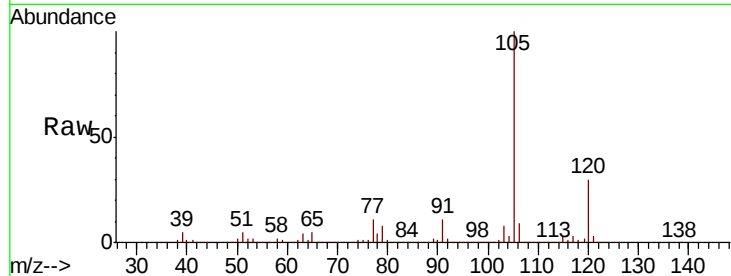




#80
 1,3,5-Trimethylbenzene
 Concen: 460.88 ug/l
 RT: 11.46 min Scan# 1783
 Delta R.T. -0.05 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

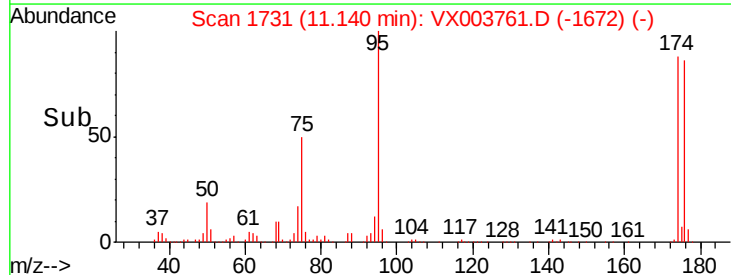
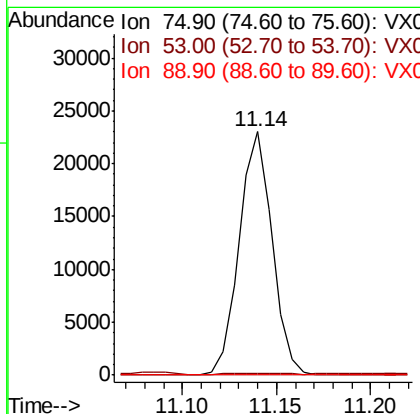
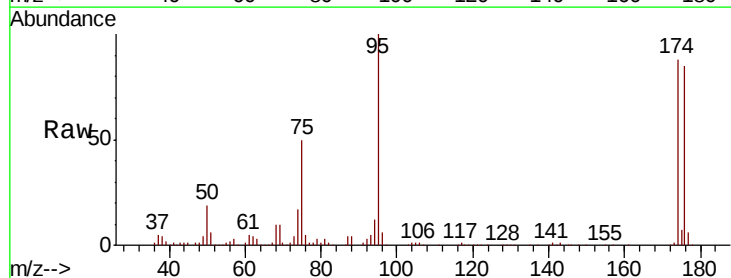
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-11(3-5)

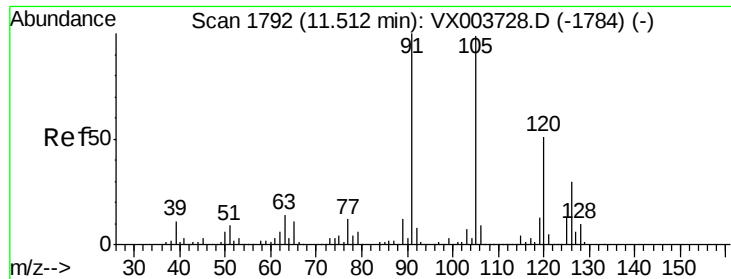
Tot Ion:105 Resp: 1349077
 Ion Ratio Lower Upper
 105 100
 120 30.7 15.8 47.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.27 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

Tgt Ion: 75 Resp: 27855
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 39.1 58.7#

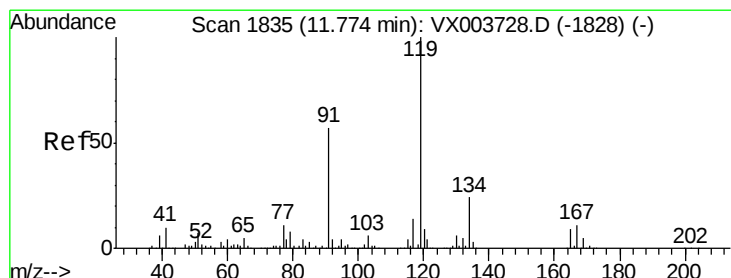
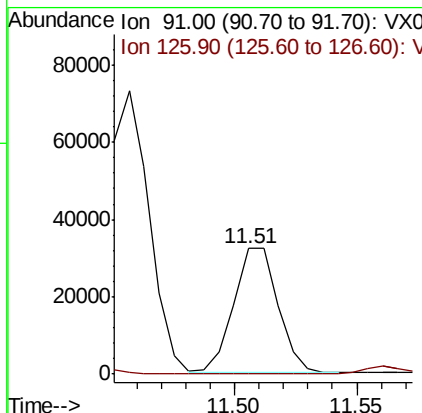
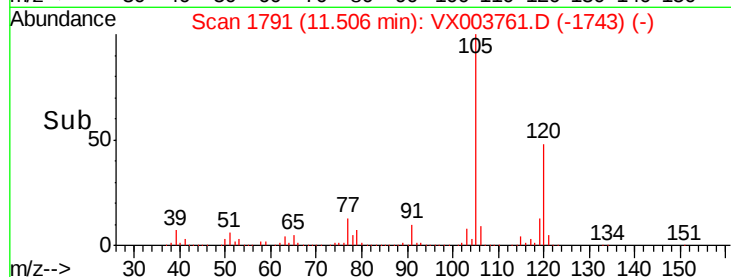
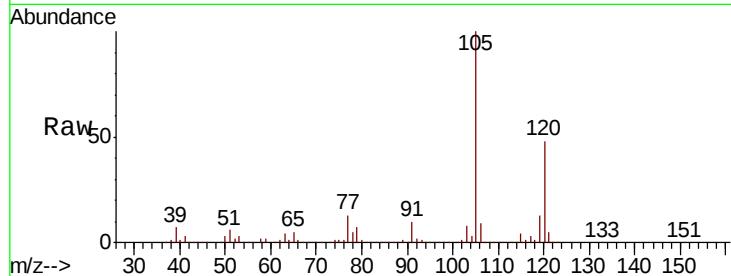




#82
4-Chlorotoluene
Concen: 14.32 ug/l
RT: 11.51 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

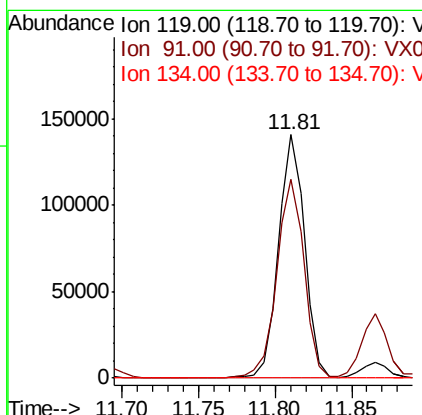
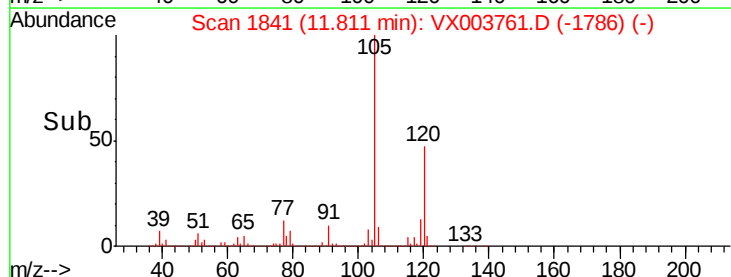
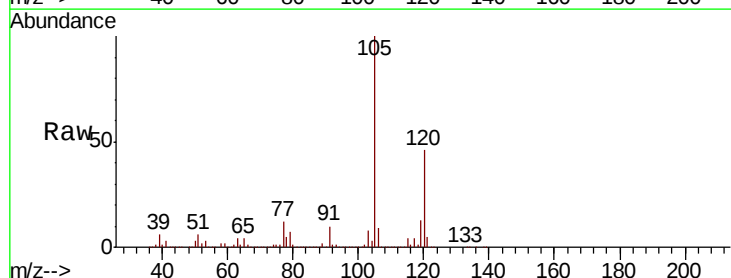
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

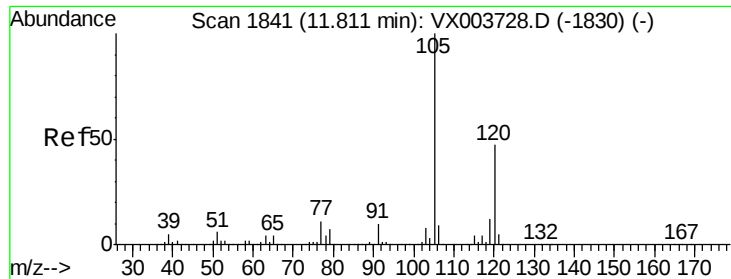
Tot Ion: 91 Resp: 40978
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#



#83
tert-Butylbenzene
Concen: 57.46 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.04 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 119 Resp: 166348
Ion Ratio Lower Upper
119 100
91 85.2 27.2 81.6#
134 0.0 11.6 34.8#





#84

1,2,4-Trimethylbenzene

Concen: 439.83 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003761.D

Acq: 31 Jul 2018 19:56

Instrument :

MSVOA_X

ClientSampleId :

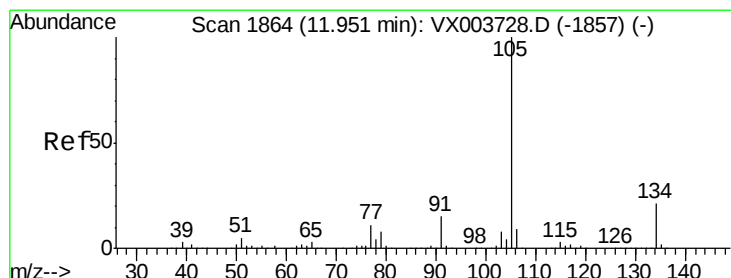
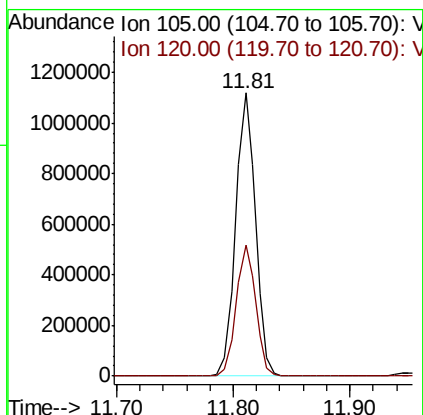
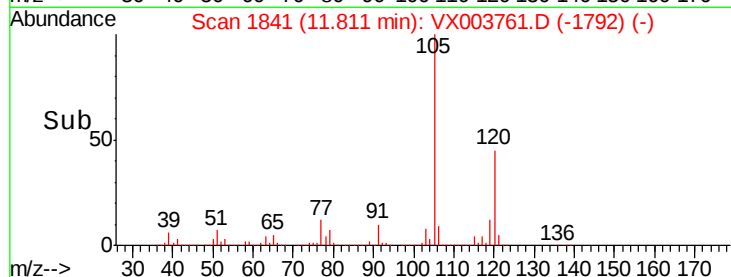
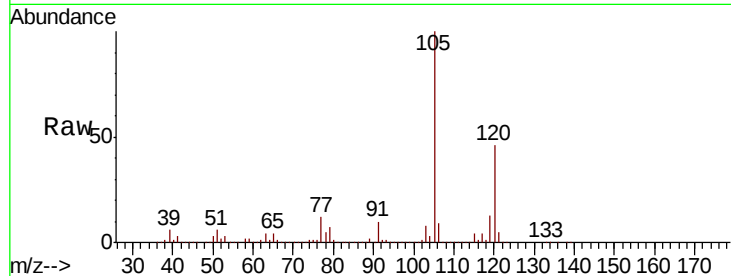
SB-11(3-5)

Tot Ion:105 Resp: 1325197

Ion Ratio Lower Upper

105 100

120 45.9 23.1 69.2



#85

sec-Butylbenzene

Concen: 357.78 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.14 min

Lab File: VX003761.D

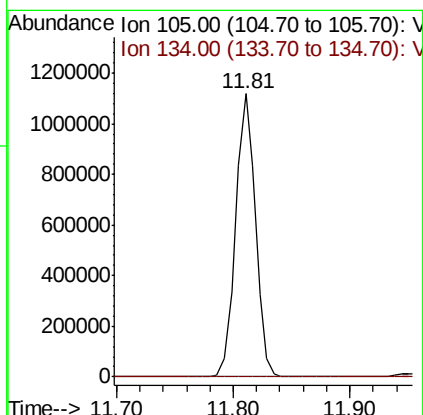
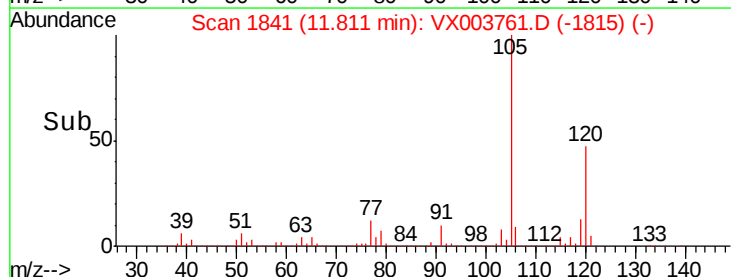
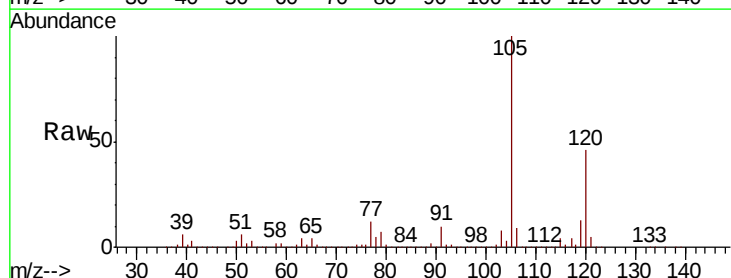
Acq: 31 Jul 2018 19:56

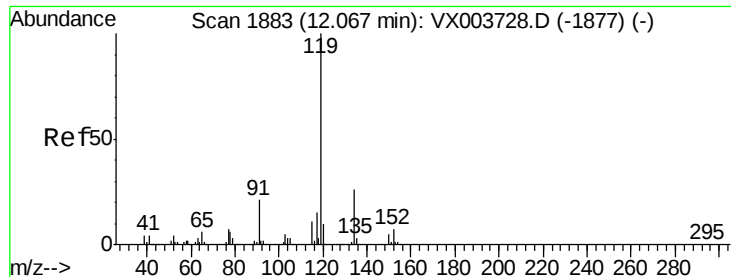
Tgt Ion:105 Resp: 1325197

Ion Ratio Lower Upper

105 100

134 0.0 10.3 30.8#

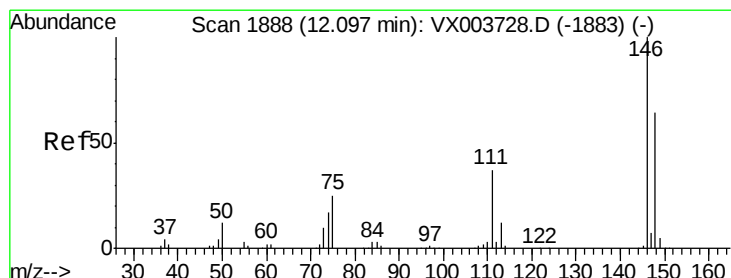
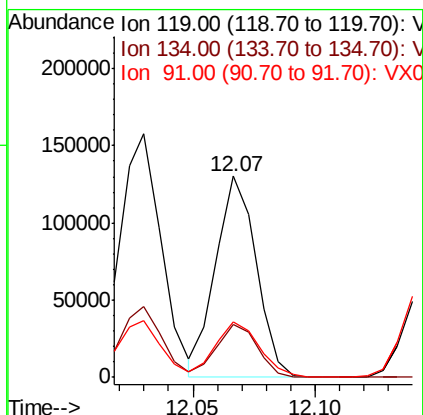
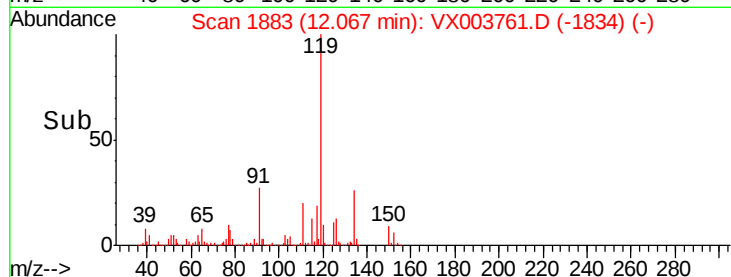
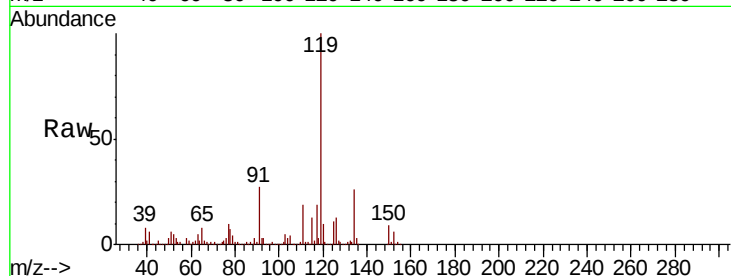




#86
p-Isopropyltoluene
Concen: 44.47 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

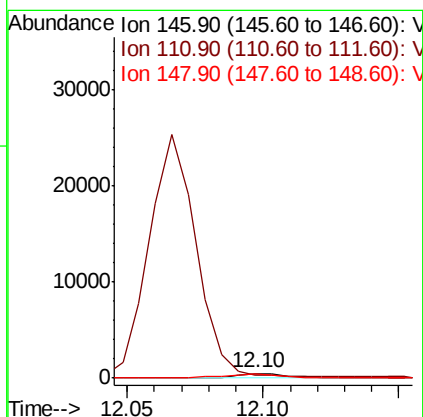
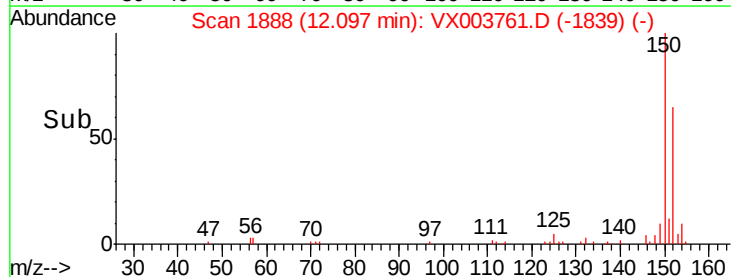
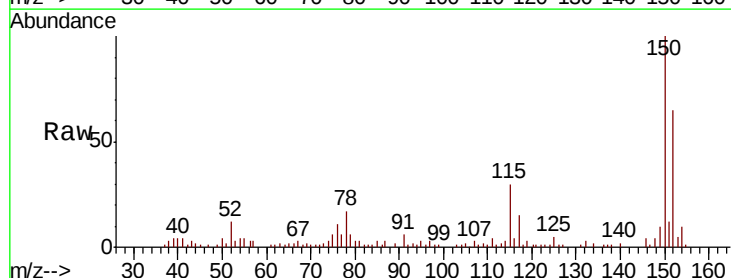
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

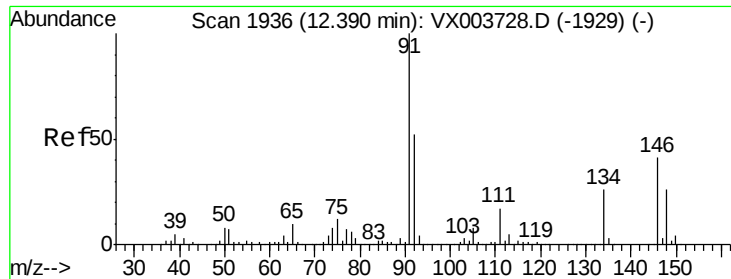
Tot Ion:119 Resp: 149722
Ion Ratio Lower Upper
119 100
134 26.8 10.1 30.1
91 29.1 23.6 70.8



#88
1,4-Dichlorobenzene
Concen: 0.31 ug/l
RT: 12.10 min Scan# 1888
Delta R.T. -0.00 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion:146 Resp: 573
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 110.5 32.0 96.2#

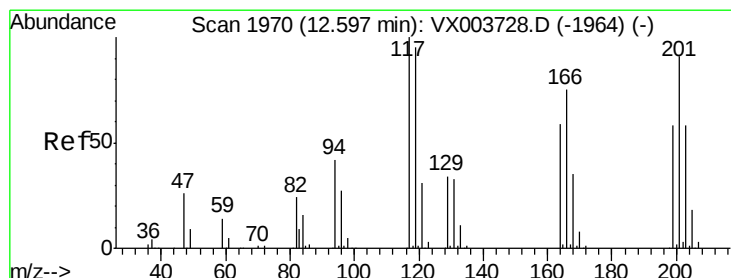
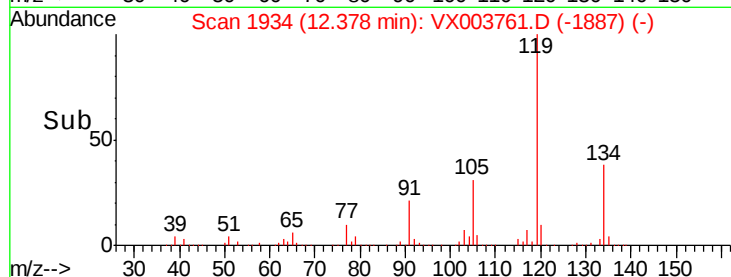
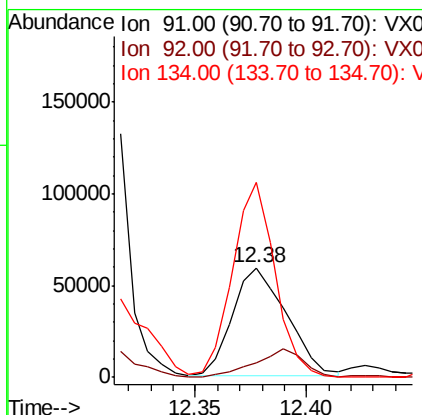
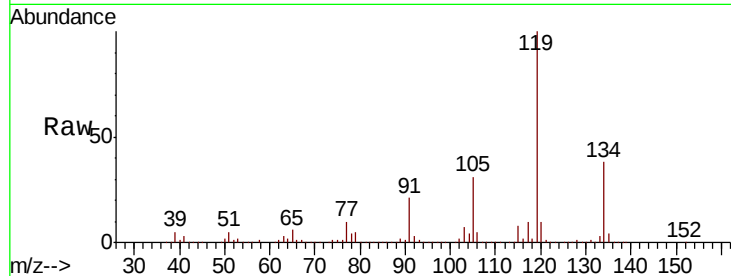




#89
n-Butylbenzene
Concen: 31.02 ug/l
RT: 12.38 min Scan# 1934
Delta R.T. -0.01 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

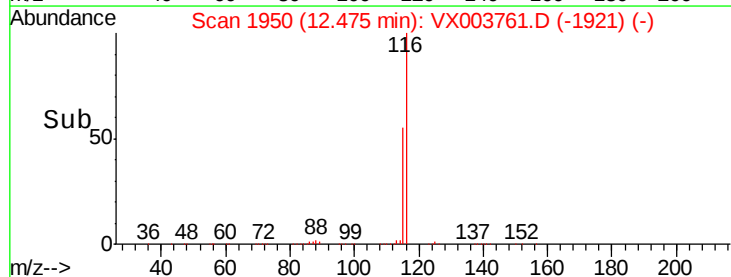
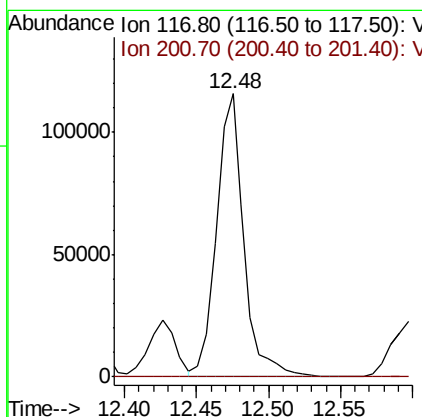
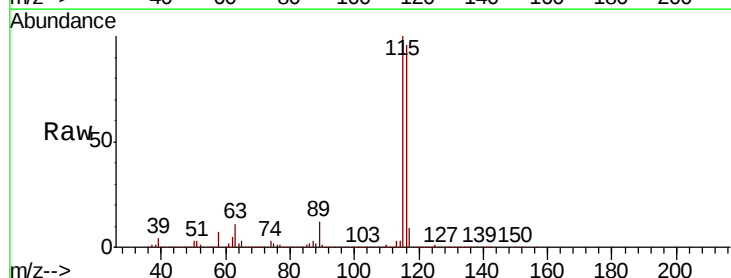
Instrument :
MSVOA_X
ClientSampleId :
SB-11(3-5)

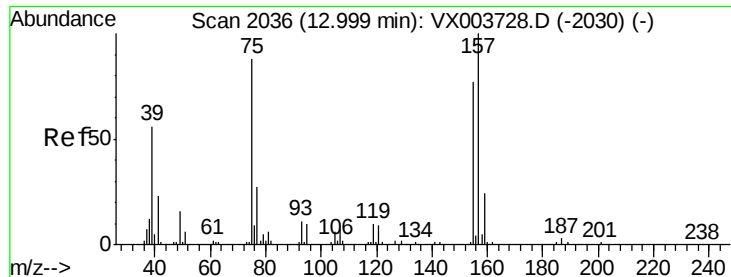
Tot Ion: 91 Resp: 99394
Ion Ratio Lower Upper
91 100
92 22.8 26.2 78.5#
134 141.8 13.6 40.7#



#90
Hexachloroethane
Concen: 304.63 ug/l
RT: 12.48 min Scan# 1950
Delta R.T. -0.12 min
Lab File: VX003761.D
Acq: 31 Jul 2018 19:56

Tgt Ion: 117 Resp: 152281
Ion Ratio Lower Upper
117 100
201 0.0 49.3 147.8#

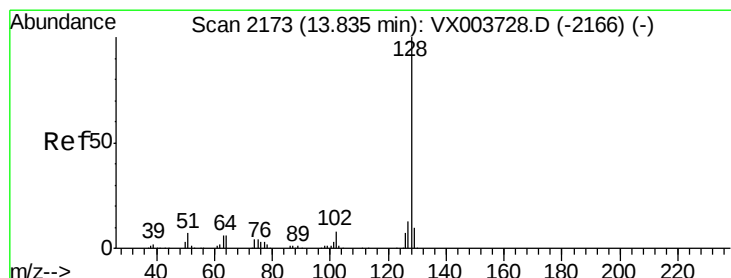
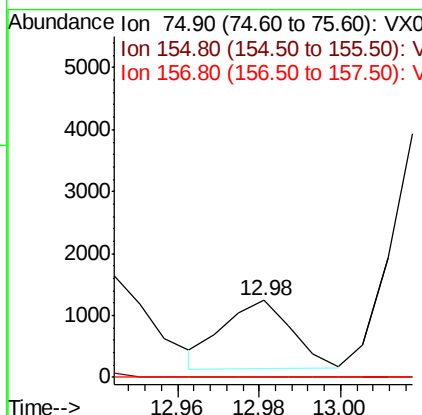
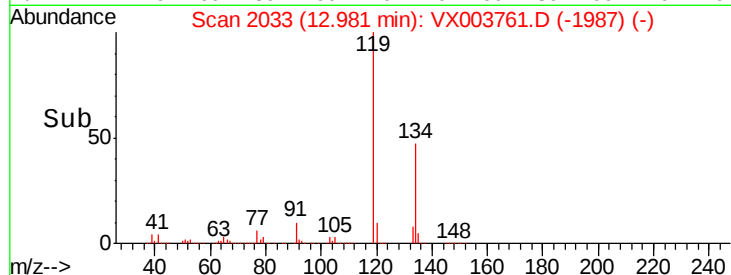
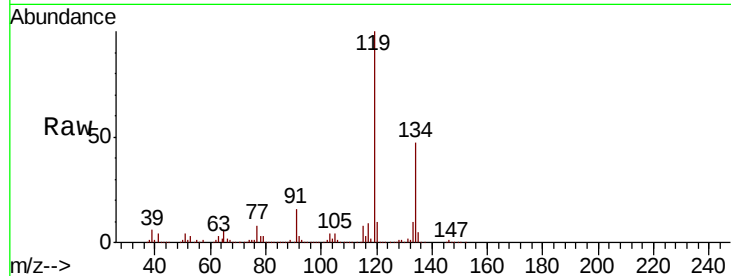




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.28 ug/l
 RT: 12.98 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

Instrument :
 MSVOA_X
 ClientSampled :
 SB-11(3-5)

Tot Ion: 75 Resp: 1287
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.9 146.7#
 157 0.0 63.7 191.1#



#95
 Naphthalene
 Concen: 4459.03 ug/l
 RT: 13.85 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: VX003761.D
 Acq: 31 Jul 2018 19:56

Tgt Ion:128 Resp:12731262
 Ion Ratio Lower Upper
 128 100
 127 17.0 10.2 15.2#
 129 15.1 8.7 13.1#

