

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003760.D
 Acq On : 31 Jul 2018 19:31
 Operator : JC/SP
 Sample : J4109-04RE
 Misc : 8.73G/5.0mL/MSVOA X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

Quant Time: Aug 01 01:30:35 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	43753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	70916	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	47637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	16081	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	26379	59.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.22%	
35) Dibromofluoromethane	5.51	113	20366	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	8.72	98	83892	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	11.14	95	19817	30.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.74%	

Target Compounds			Qvalue			
4) Vinyl Chloride	1.18	62	128	0.26	ug/l #	49
5) Bromomethane	1.65	94	74	Below	Cal	83
6) Chloroethane	1.64	64	232	0.70	ug/l #	42
11) Tert butyl alcohol	3.07	59	368	5.14	ug/l #	73
13) Acrolein	2.29	56	365	15.57	ug/l #	37
14) Allyl chloride	2.71	41	532	0.77	ug/l #	44
16) Acetone	2.45	43	25322	149.81	ug/l	99
17) Carbon Disulfide	2.57	76	17055	13.40	ug/l	97
18) Methyl Acetate	2.78	43	632	1.33	ug/l #	52
19) Methyl tert-butyl Ether	3.21	73	575	0.54	ug/l	99
20) Methylene Chloride	2.86	84	900	Below	Cal #	91
25) 2-Butanone	4.71	43	7937	32.21	ug/l	93
26) 2,2-Dichloropropane	4.75	77	1055	1.84	ug/l #	51
31) Cyclohexane	5.67	56	883	1.25	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	3113	4.69	ug/l #	47
37) Ethyl Acetate	4.71	43	7937	15.56	ug/l #	68
38) Carbon Tetrachloride	5.67	117	4140	6.74	ug/l #	17
39) Methylcyclohexane	7.46	83	258	0.32	ug/l	94
40) Benzene	6.15	78	4976	2.61	ug/l	98
43) Isopropyl Acetate	6.71	43	299	0.37	ug/l #	60
52) Toluene	8.79	92	502	0.42	ug/l	86
55) 1,1,2-Trichloroethane	9.34	97	142	0.35	ug/l #	15
59) 2-Hexanone	9.51	43	118	0.31	ug/l #	23
67) Ethyl Benzene	10.26	91	1131	0.67	ug/l	97
68) m/p-Xylenes	10.36	106	514	0.78	ug/l	93
69) o-Xylene	10.70	106	230	0.38	ug/l	83
73) Isopropylbenzene	11.02	105	468	0.46	ug/l	87
74) N-amyl acetate	6.71	43	299	0.84	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	11.49	83	66	0.25	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	9786	44.15	ug/l #	34
78) n-propylbenzene	11.36	91	322	0.26	ug/l	92
79) 2-Chlorotoluene	11.44	91	320	0.46	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	816	0.95	ug/l	84
81) trans-1,4-Dichloro-2-buten	11.14	75	9786	130.77	ug/l #	11

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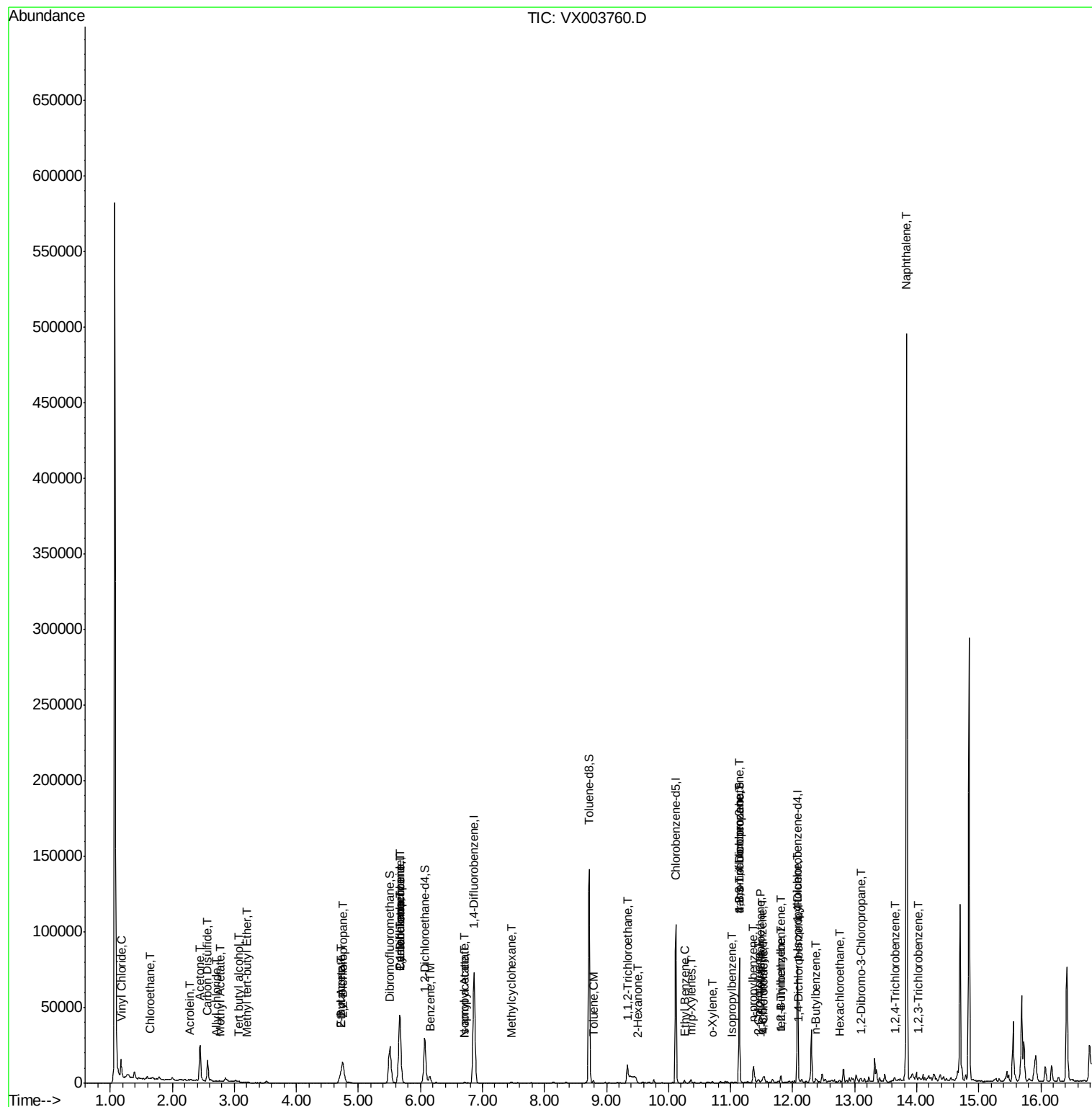
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	11.52	91	285	0.34	ug/l #	44
83) tert-Butylbenzene	11.82	119	252	0.30	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.81	105	1869	2.11	ug/l	95
86) p-Isopropyltoluene	12.07	119	364	0.37	ug/l	91
88) 1,4-Dichlorobenzene	12.10	146	166	0.31	ug/l #	58
89) n-Butylbenzene	12.38	91	438	0.47	ug/l #	60
90) Hexachloroethane	12.76	117	697	4.75	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.10	75	22	0.42	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	128	0.33	ug/l #	2
95) Naphthalene	13.83	128	303098	361.63	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95	0.27	ug/l #	1

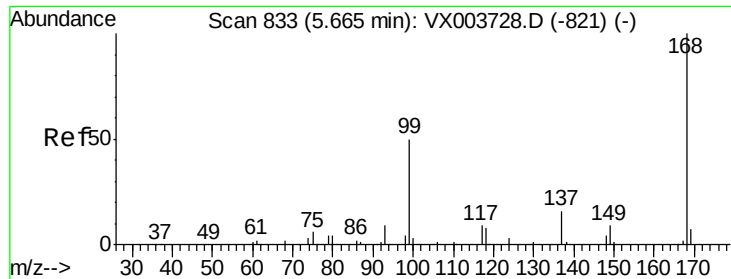
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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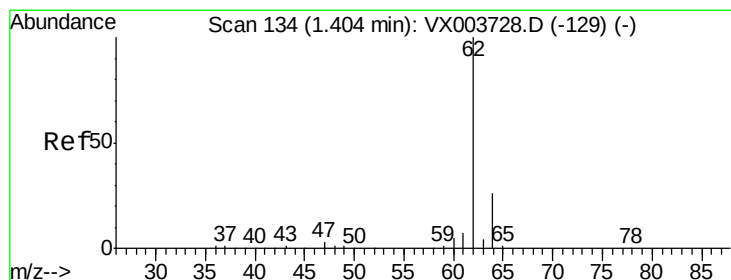
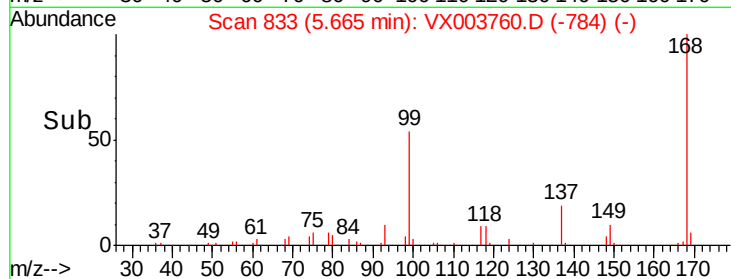
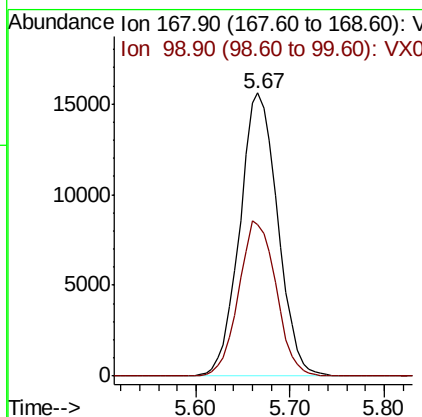
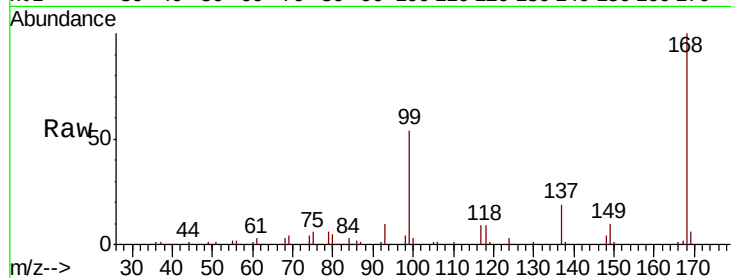




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

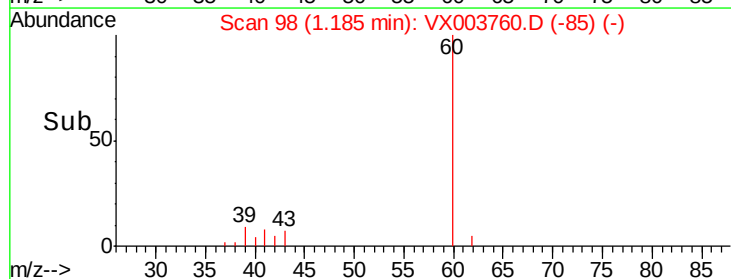
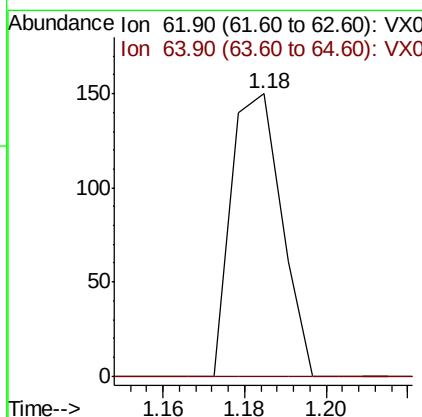
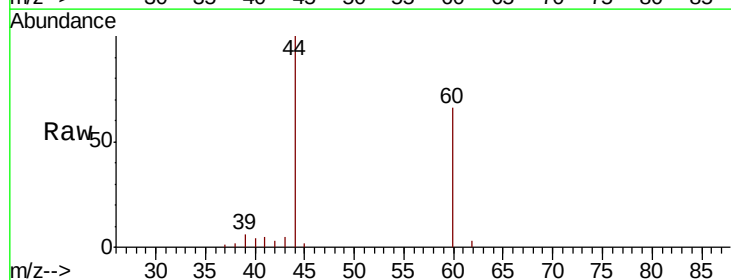
Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

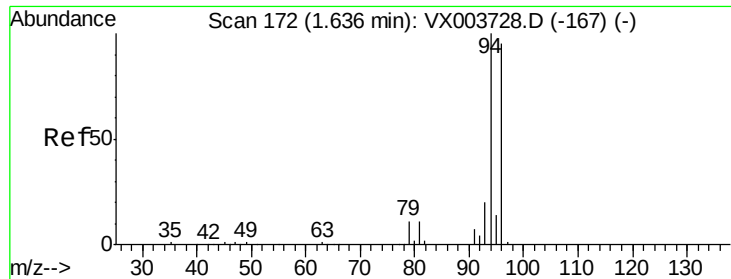
Tot Ion:168 Resp: 43753
Ion Ratio Lower Upper
168 100
99 53.5 40.2 60.2



#4
Vinyl Chloride
Concen: 0.26 ug/l
RT: 1.18 min Scan# 98
Delta R.T. -0.22 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 62 Resp: 128
Ion Ratio Lower Upper
62 100
64 0.0 21.0 31.4#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

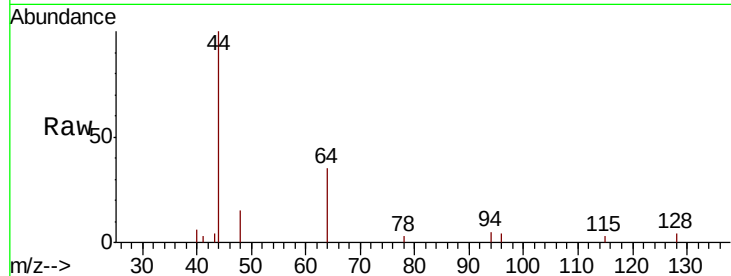
SB-12(8-10)RE

Tot Ion: 94 Resp: 74

Ion Ratio Lower Upper

94 100

96 78.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

80

60

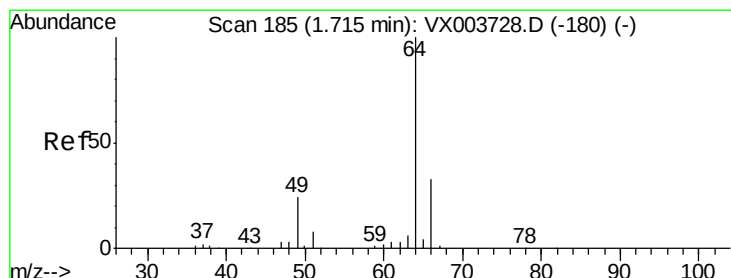
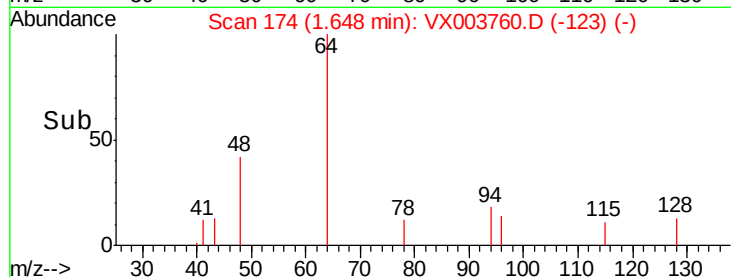
40

20

0

1.62 1.64 1.66

Time-->



#6

Chloroethane

Concen: 0.70 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.07 min

Lab File: VX003760.D

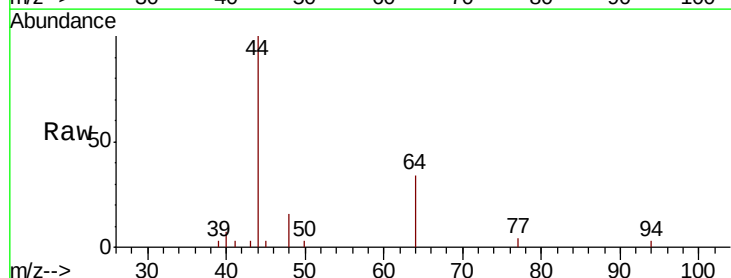
Acq: 31 Jul 2018 19:31

Tgt Ion: 64 Resp: 232

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

1.64

600

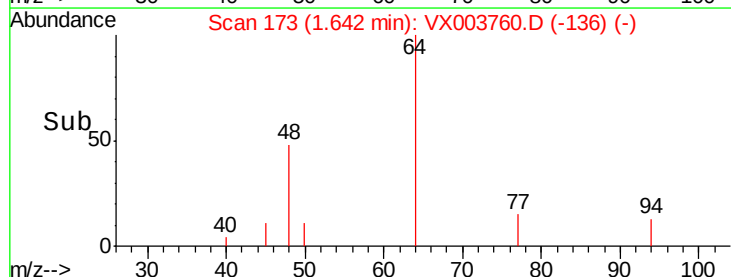
400

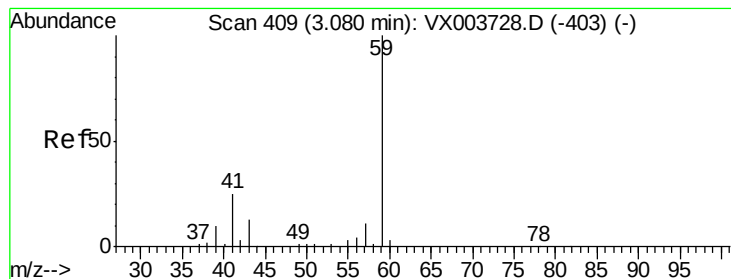
200

0

1.62 1.64

Time-->



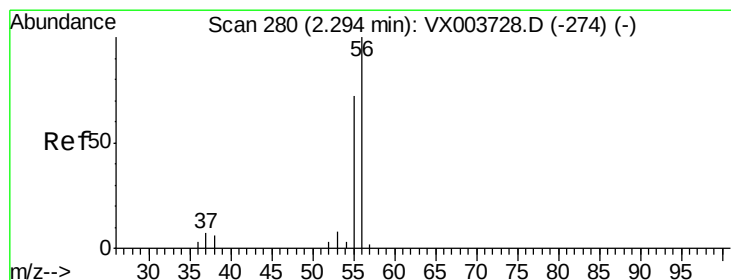
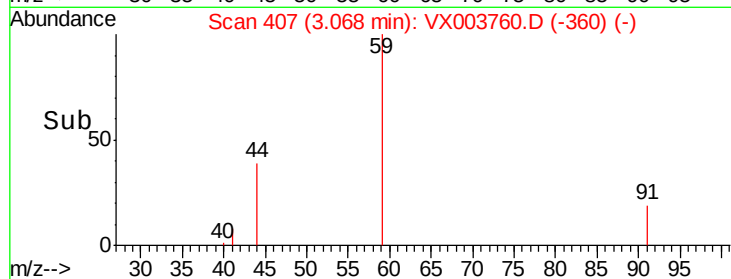
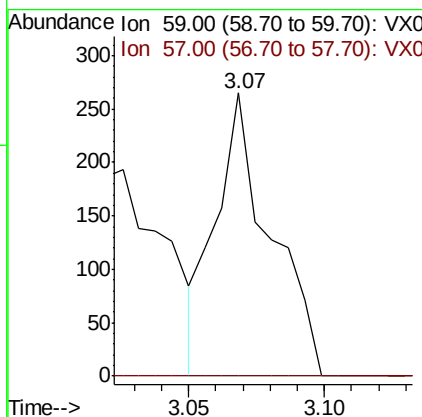
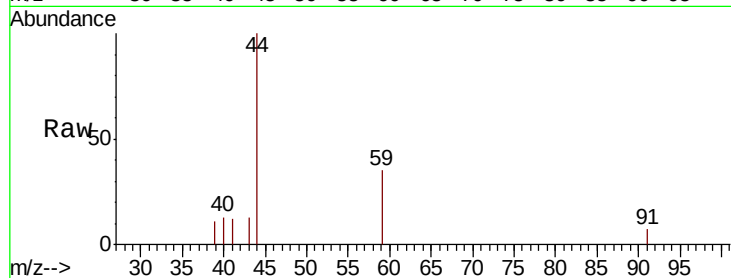


#11

Tert butyl alcohol
 Concen: 5.14 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

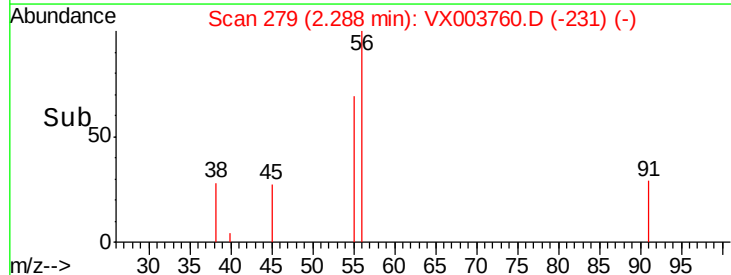
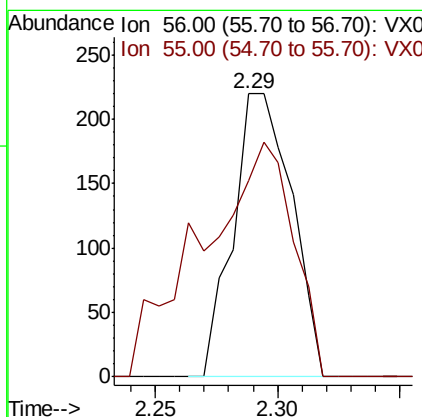
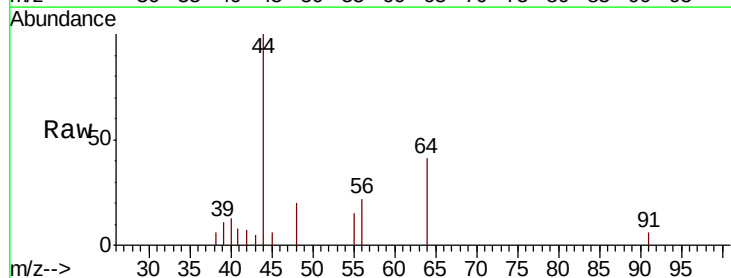
Tot Ion: 59 Resp: 368
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

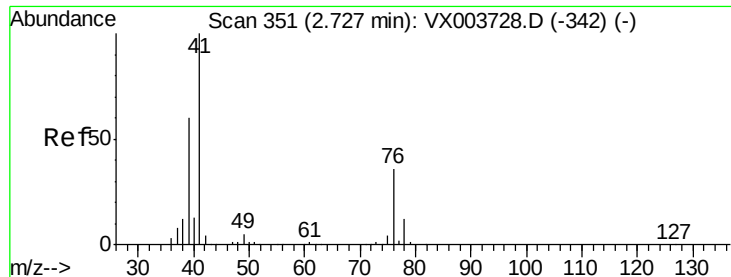


#13

Acrolein
 Concen: 15.57 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 56 Resp: 365
 Ion Ratio Lower Upper
 56 100
 55 130.7 61.4 92.0#

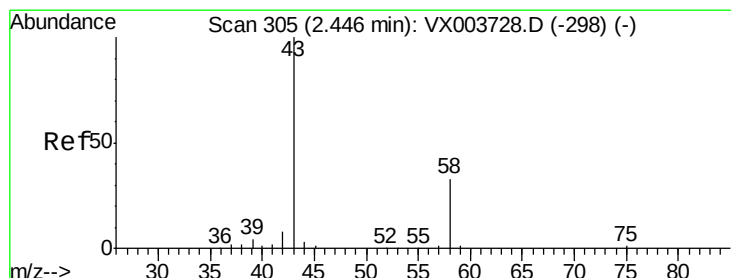
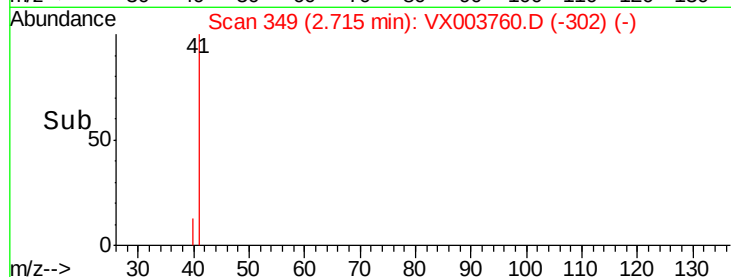
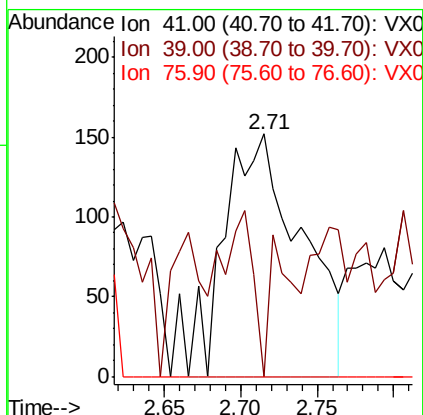
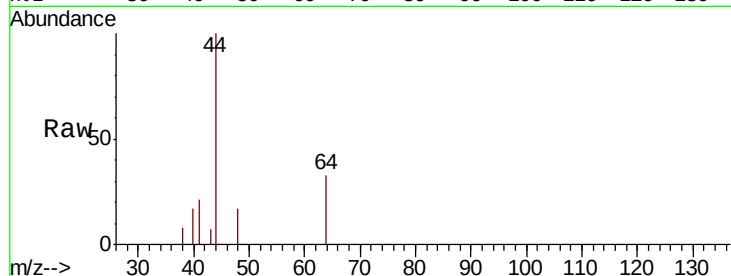




#14
Allvl chloride
Concen: 0.77 ug/l
RT: 2.71 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

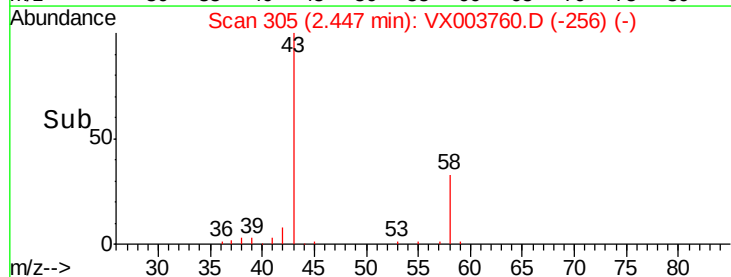
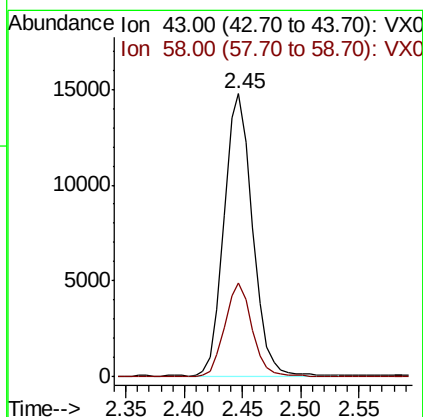
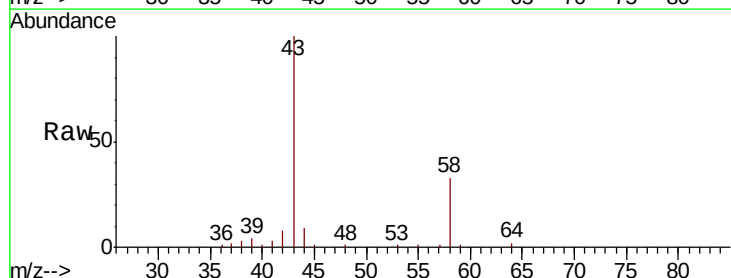
Instrument :
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ClientSampleId :
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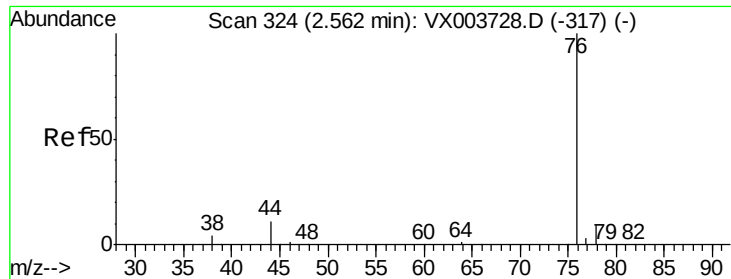
Tot Ion: 41 Resp: 532
Ion Ratio Lower Upper
41 100
39 18.2 47.7 71.5#
76 0.0 27.0 40.6#



#16
Acetone
Concen: 149.81 ug/l
RT: 2.45 min Scan# 305
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 43 Resp: 25322
Ion Ratio Lower Upper
43 100
58 33.0 26.7 40.1





#17

Carbon Disulfide

Concen: 13.40 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

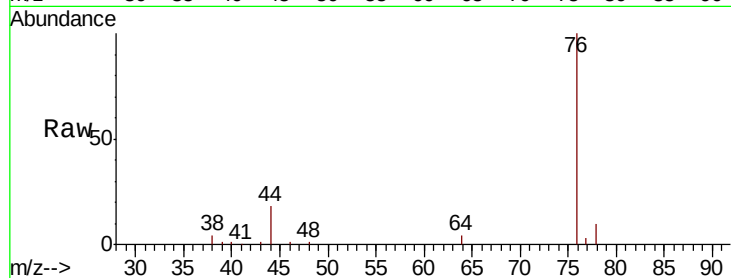
SB-12(8-10)RE

Tot Ion: 76 Resp: 17055

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

12000

10000

8000

6000

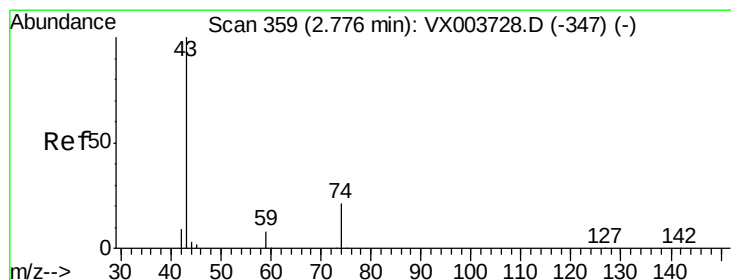
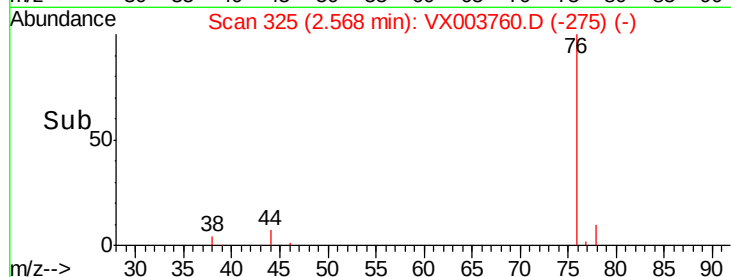
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 1.33 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX003760.D

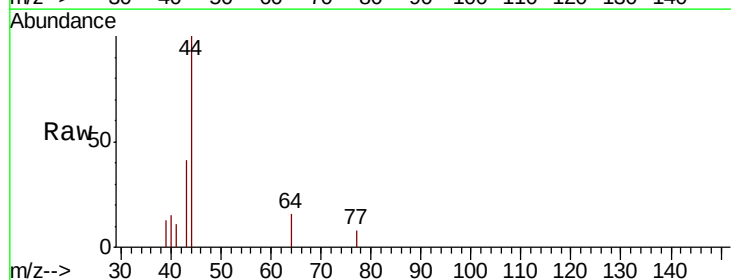
Acq: 31 Jul 2018 19:31

Tgt Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

300

250

200

150

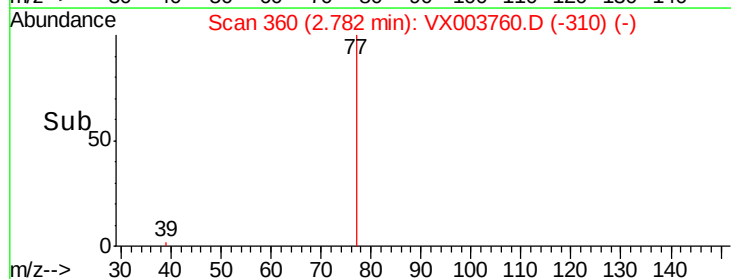
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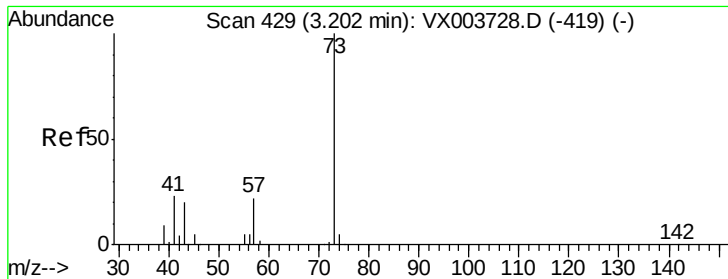
50

0

Time-->

2.70 2.75 2.80

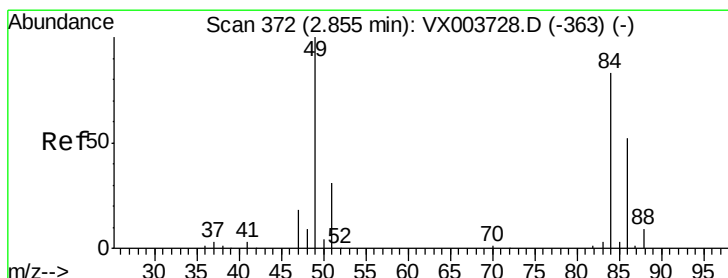
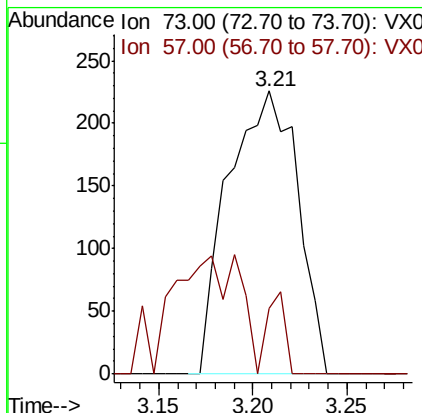
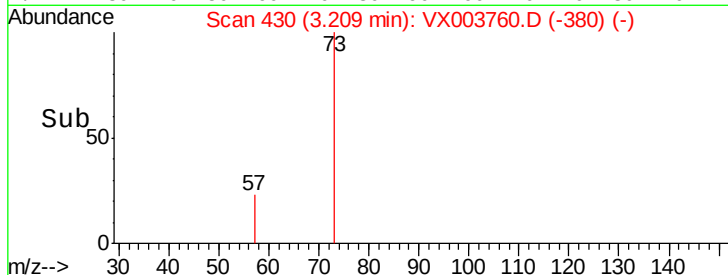
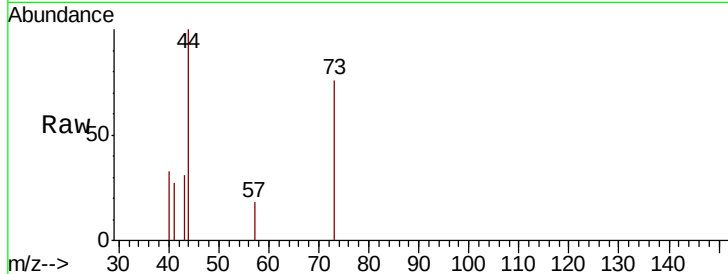




#19
Methyl tert-butyl Ether
Concen: 0.54 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.01 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

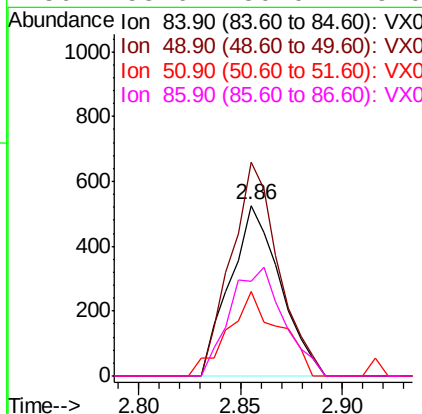
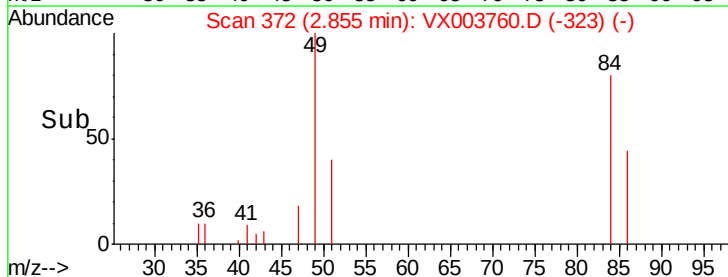
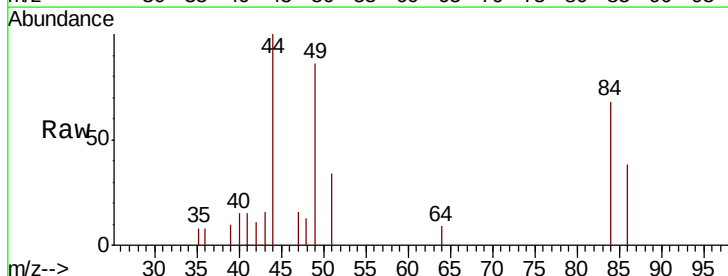
Instrument :
MSVOA_X
ClientSampled :
SB-12(8-10)RE

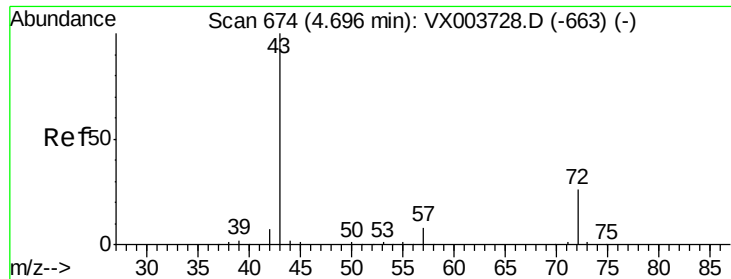
Tot Ion: 73 Resp: 575
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 84 Resp: 900
Ion Ratio Lower Upper
84 100
49 125.5 95.8 143.8
51 49.9 29.6 44.4#
86 55.6 50.0 75.0

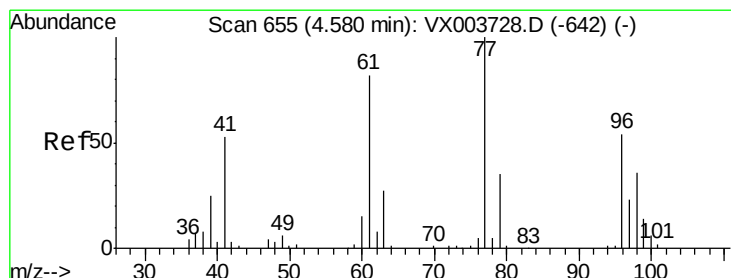
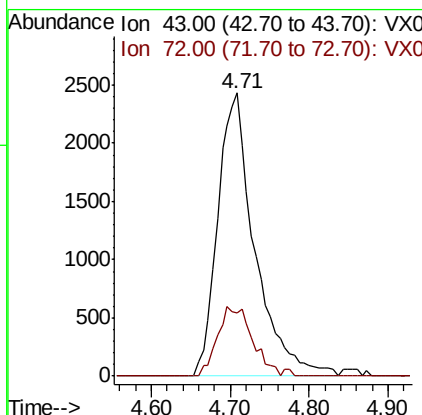
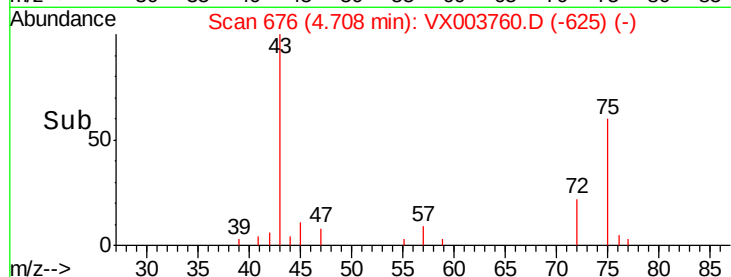
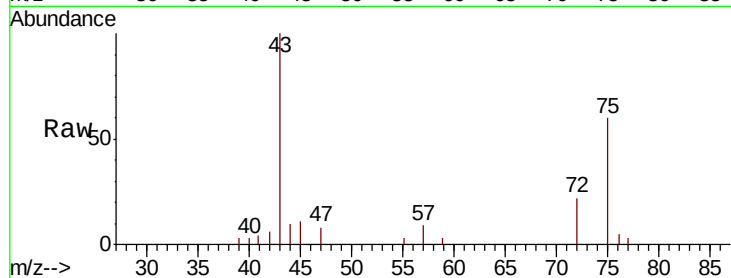




#25
 2-Butanone
 Concen: 32.21 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

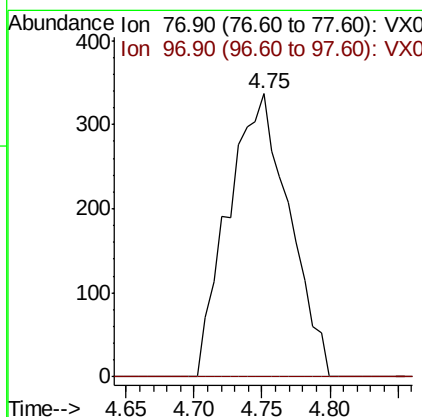
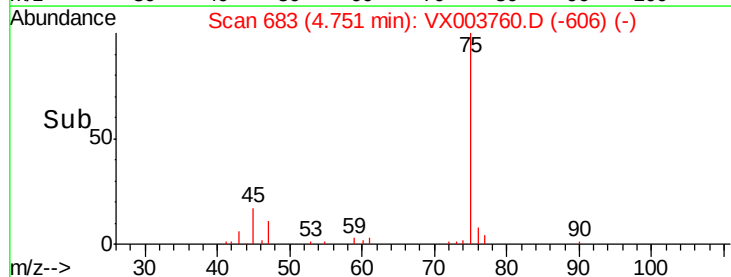
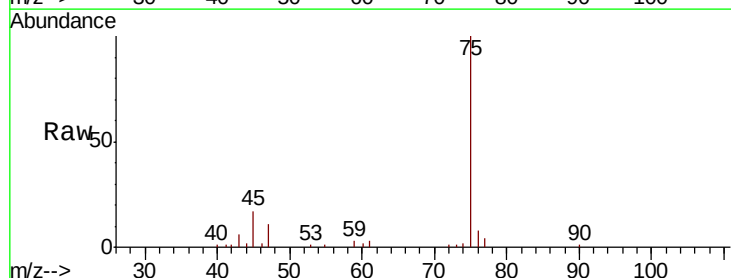
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

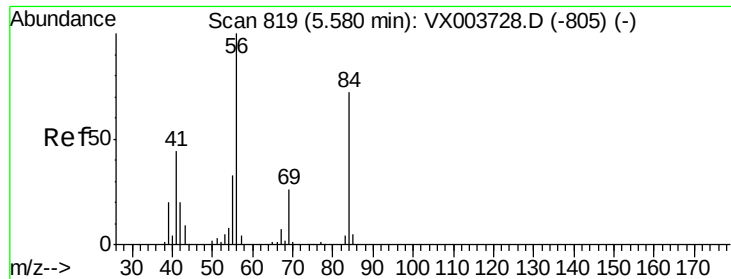
Tot Ion: 43.00 Resp: 7937
 Ion Ratio Lower Upper
 43 100
 72 22.4 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 1.84 ug/l
 RT: 4.75 min Scan# 683
 Delta R.T. 0.17 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 77 Resp: 1055
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#

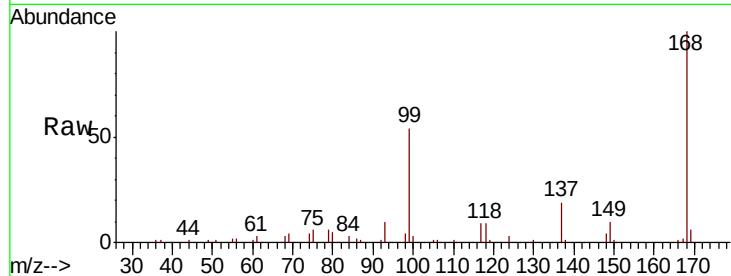




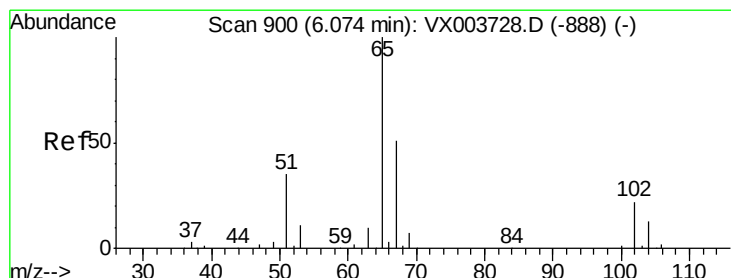
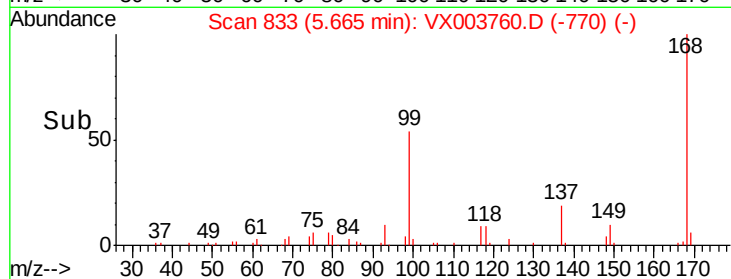
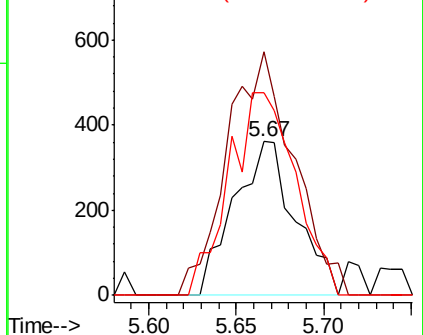
#31
Cyclohexane
Concen: 1.25 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

Tot Ion: 56 Resp: 883
Ion Ratio Lower Upper
56 100
69 140.7 20.6 30.8#
84 131.9 57.9 86.9#

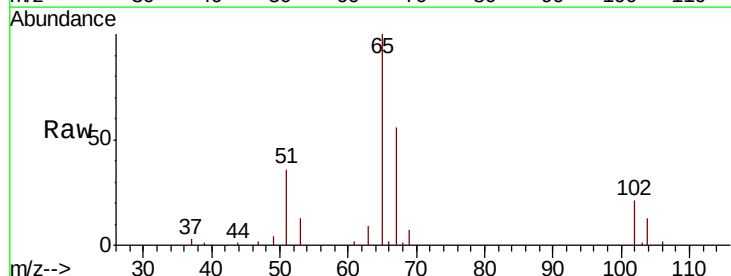


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

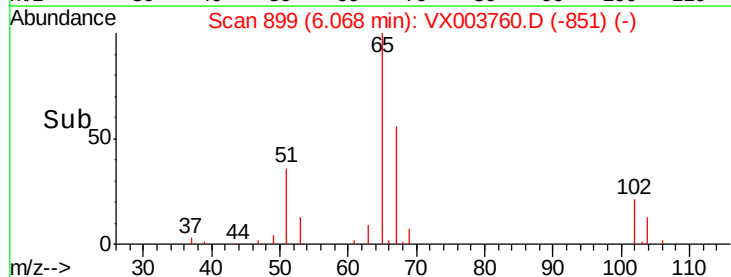
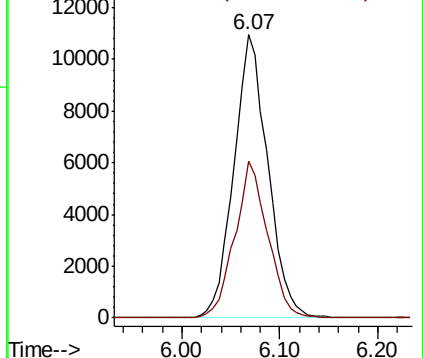


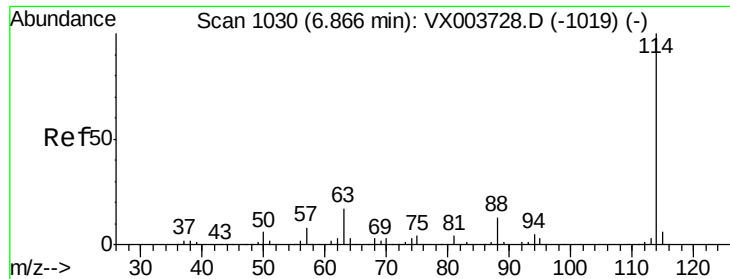
#33
1,2-Dichloroethane-d4
Concen: 59.61 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.01 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 65 Resp: 26379
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: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

SB-12(8-10)RE

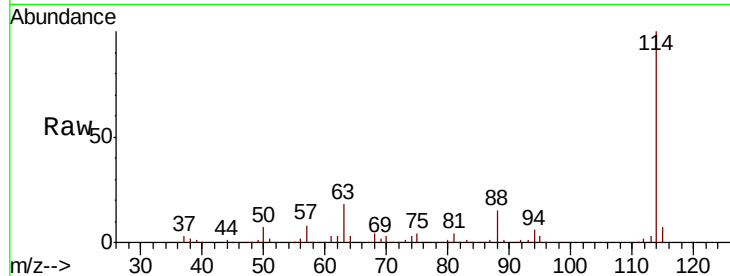
Tot Ion:114 Resp: 70916

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

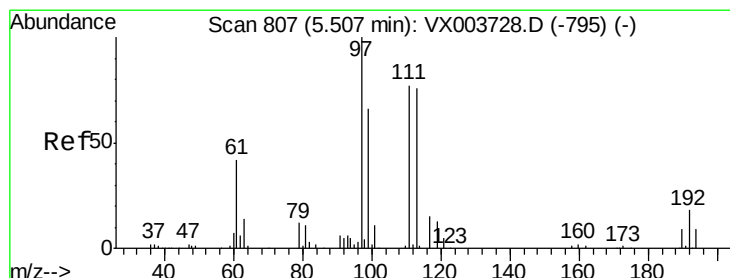
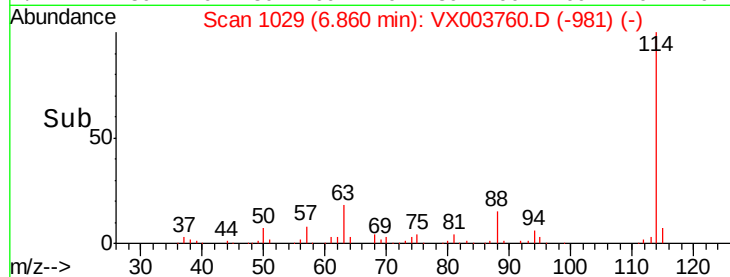
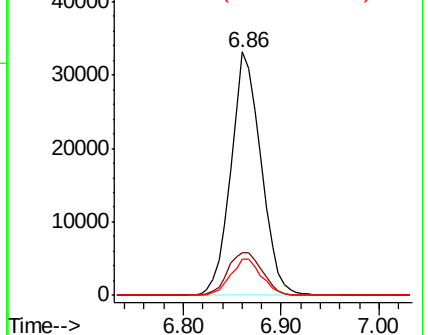
88 15.0 0.0 26.4



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: 48.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

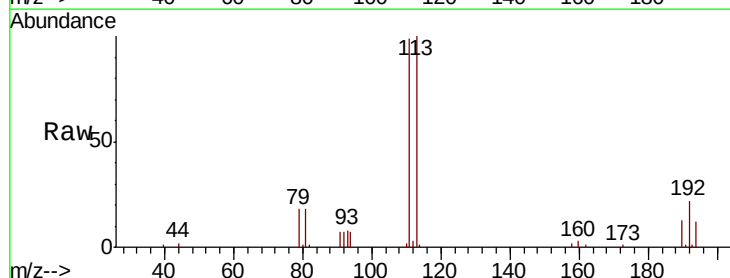
Tgt Ion:113 Resp: 20366

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.6

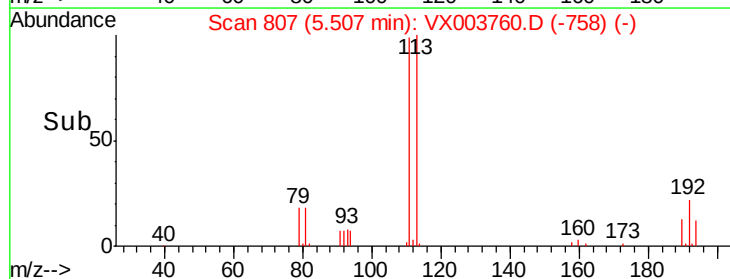
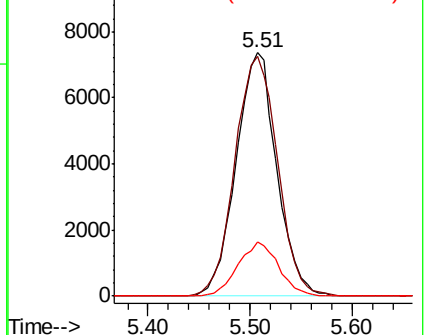
192 22.0 18.8 28.2

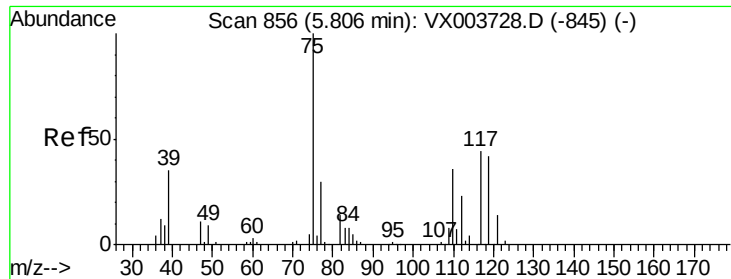


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

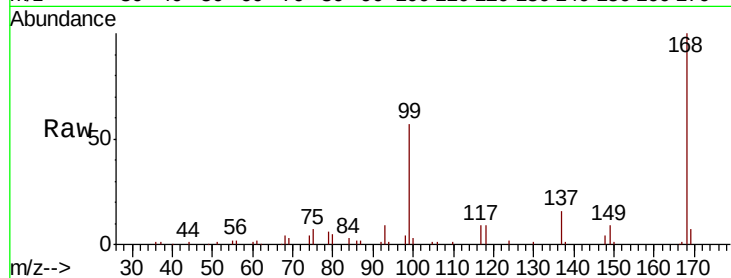




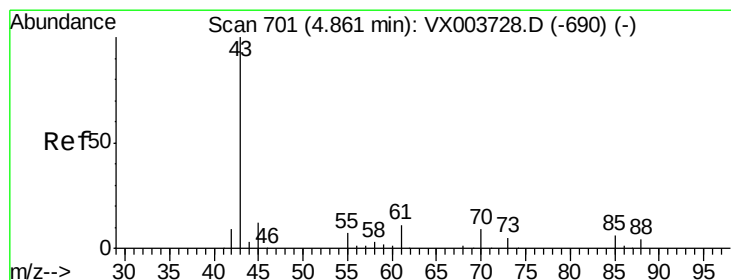
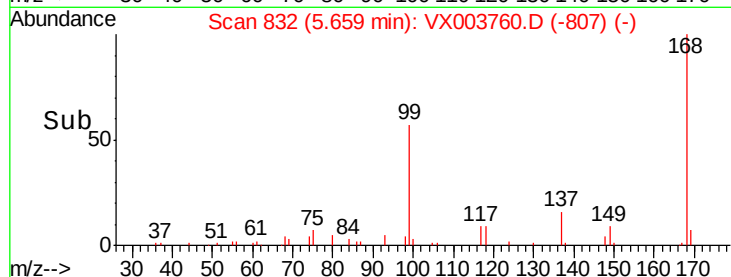
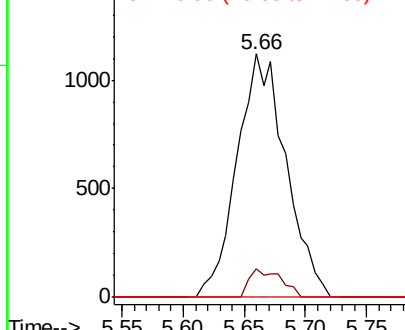
#36
 1,1-Dichloropropene
 Concen: 4.69 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

Tot Ion: 75 Resp: 3113
 Ion Ratio Lower Upper
 75 100
 110 7.5 18.3 54.8#
 77 0.0 25.1 37.7#

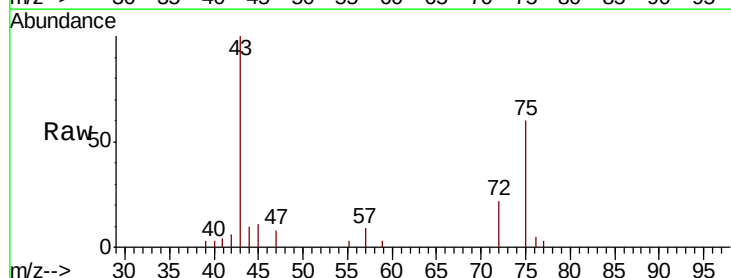


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

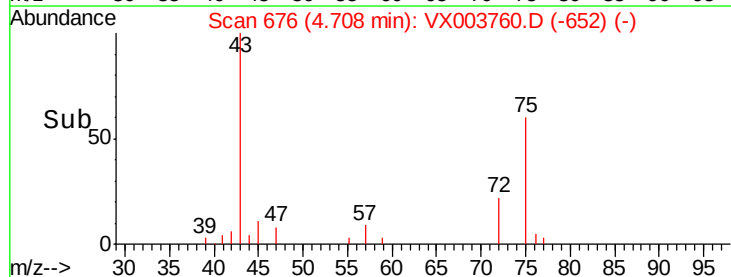
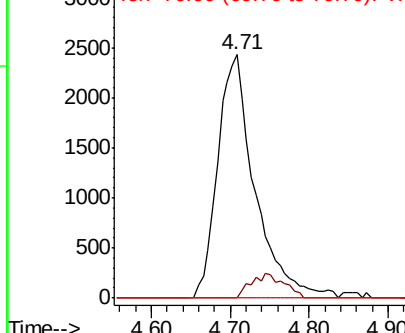


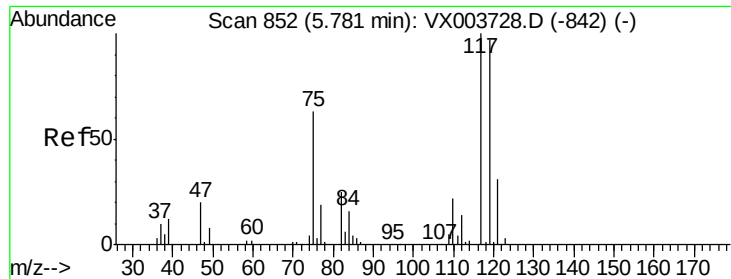
#37
 Ethyl Acetate
 Concen: 15.56 ug/l
 RT: 4.71 min Scan# 676
 Delta R.T. -0.15 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 43 Resp: 7937
 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

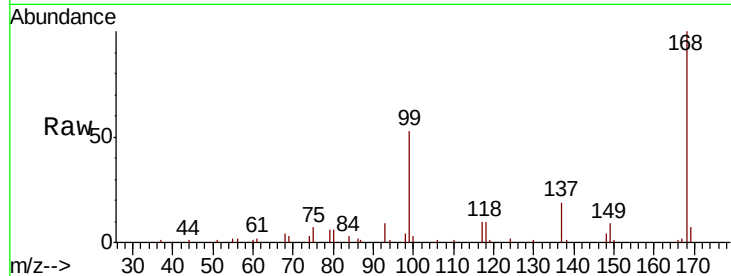




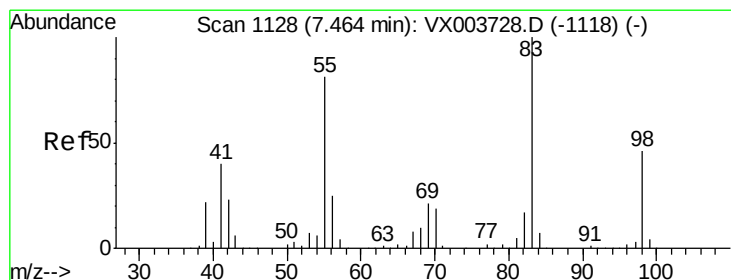
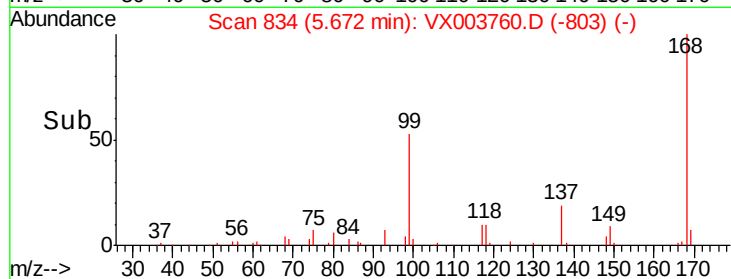
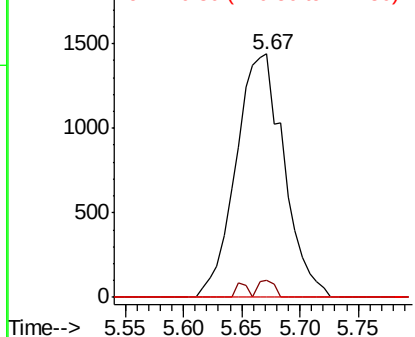
#38
Carbon Tetrachloride
Concen: 6.74 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

Tot Ion:117 Resp: 4140
Ion Ratio Lower Upper
117 100
119 7.2 77.2 115.8#
121 0.0 25.0 37.4#

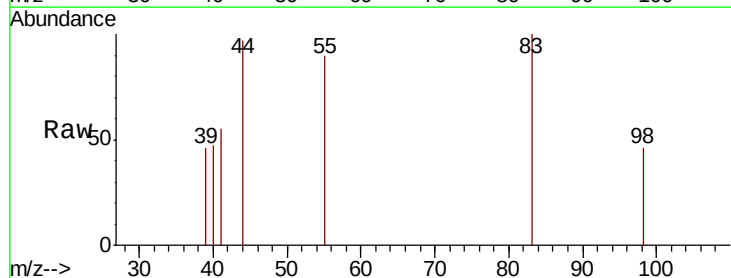


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

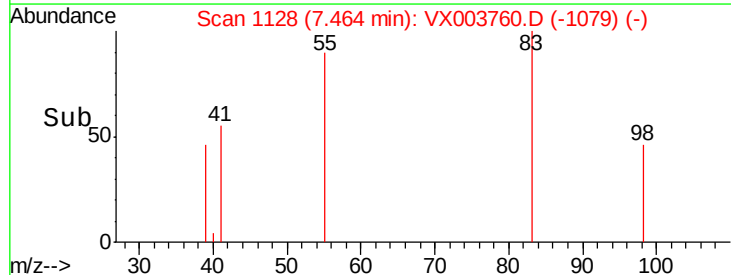
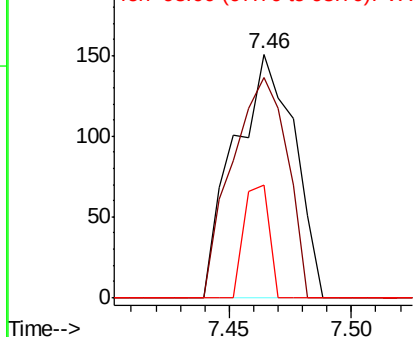


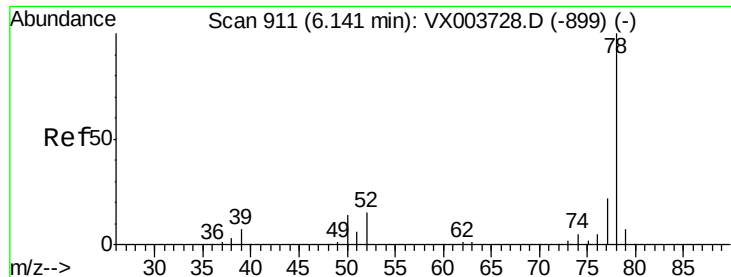
#39
Methylcyclohexane
Concen: 0.32 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 83 Resp: 258
Ion Ratio Lower Upper
83 100
55 90.1 65.0 97.6
98 46.4 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: 2.61 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

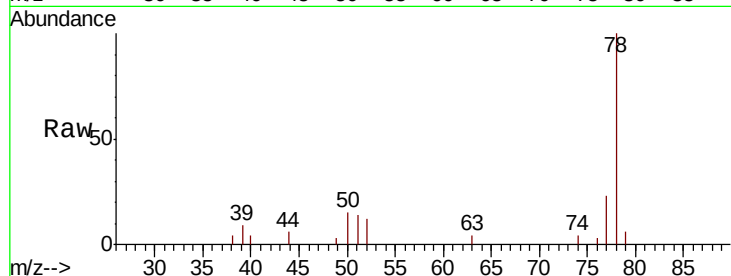
SB-12(8-10)RE

Tot Ion: 78 Resp: 4976

Ion Ratio Lower Upper

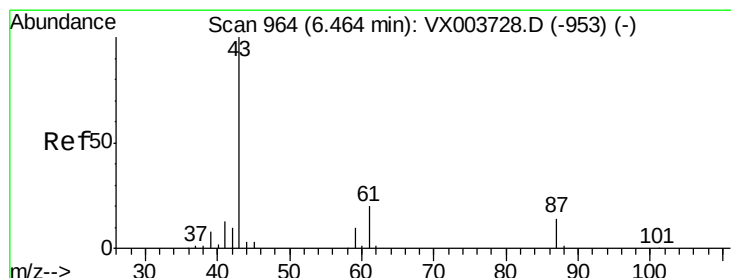
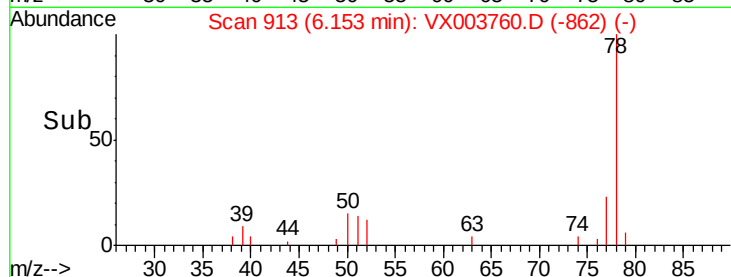
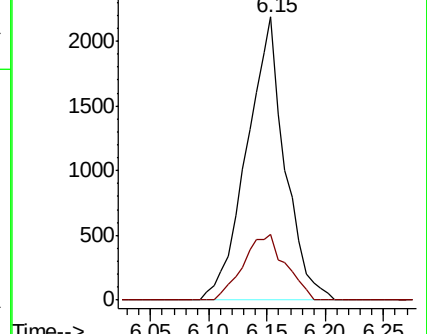
78 100

77 23.3 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#43

Isopropyl Acetate

Concen: 0.37 ug/l

RT: 6.71 min Scan# 1004

Delta R.T. 0.24 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

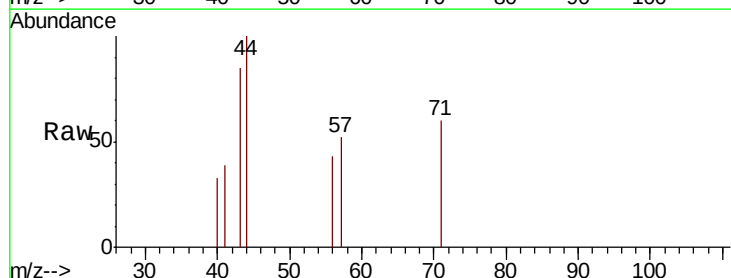
Tgt Ion: 43 Resp: 299

Ion Ratio Lower Upper

43 100

61 0.0 16.5 24.7#

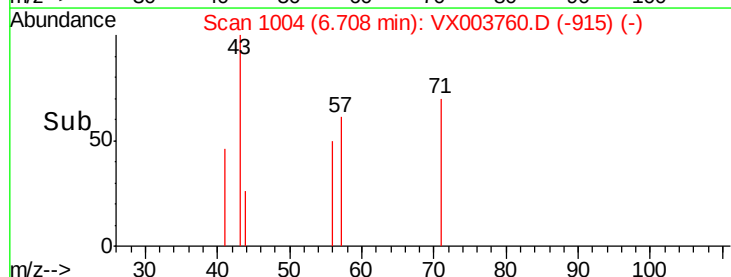
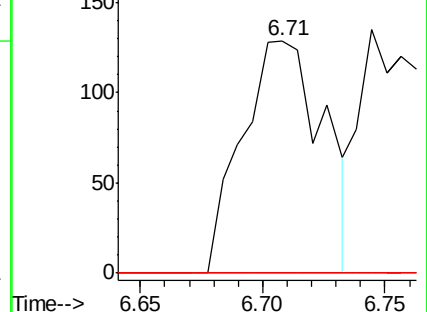
87 0.0 10.7 16.1#

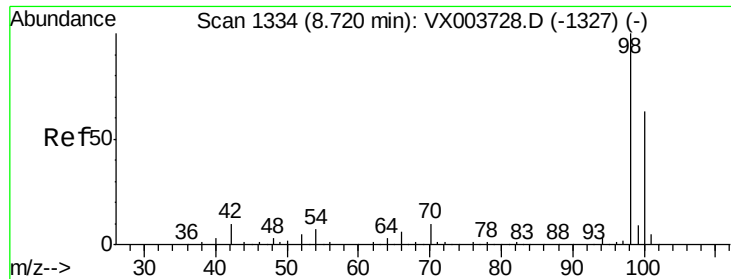


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

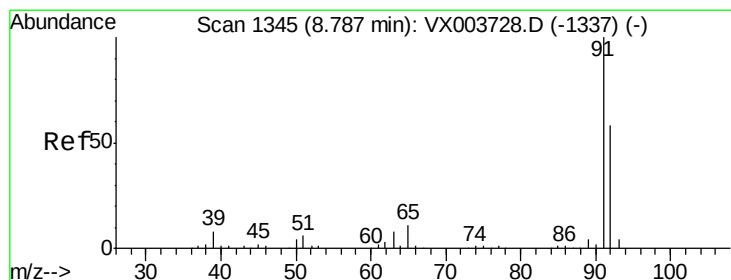
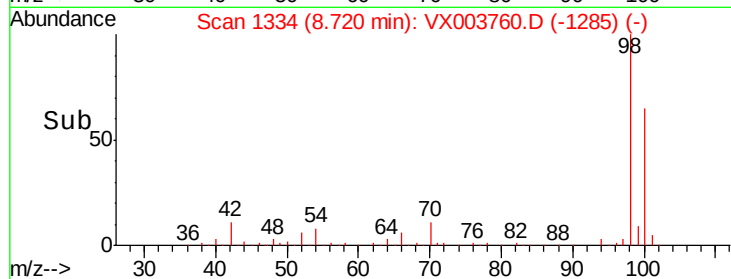
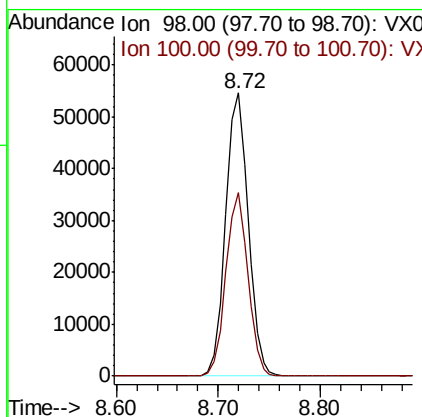
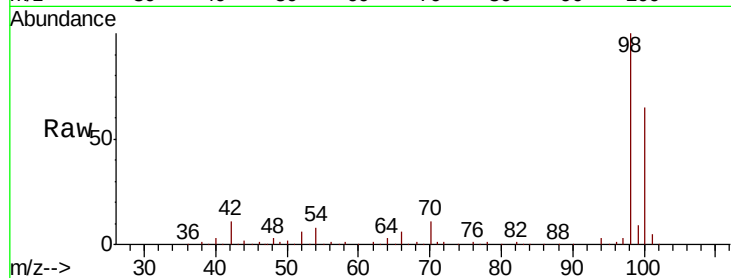




#50
Toluene-d8
Concen: 48.19 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

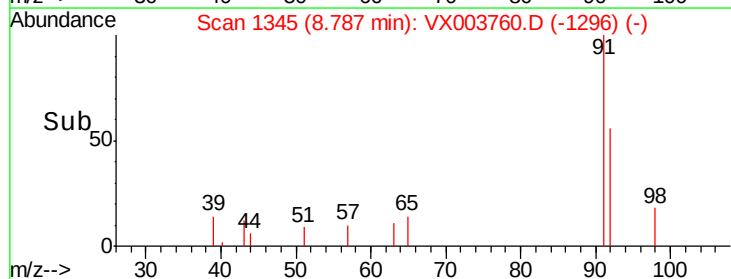
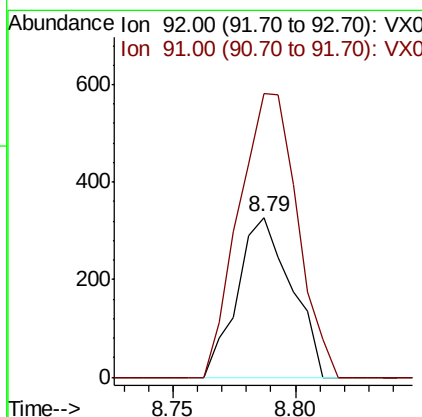
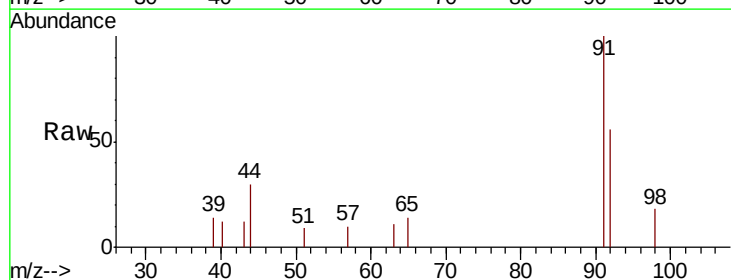
Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

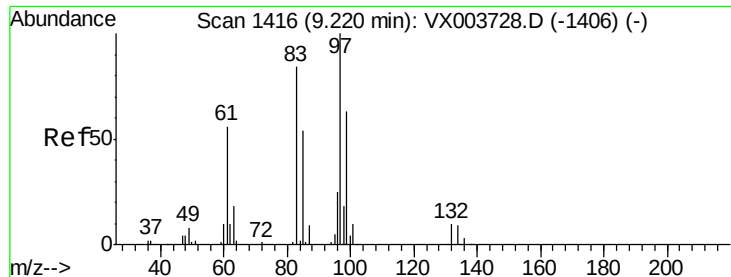
Tot Ion: 98 Resp: 83892
Ion Ratio Lower Upper
98 100
100 63.3 51.4 77.0



#52
Toluene
Concen: 0.42 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 92 Resp: 502
Ion Ratio Lower Upper
92 100
91 193.4 139.4 209.2

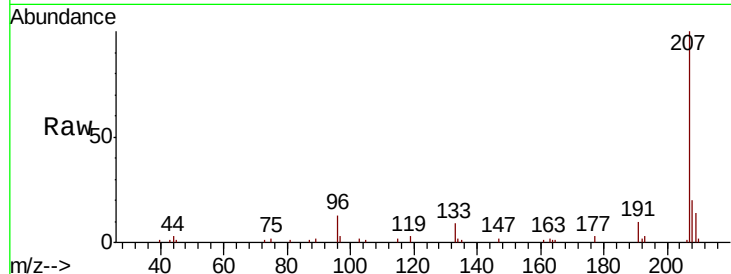




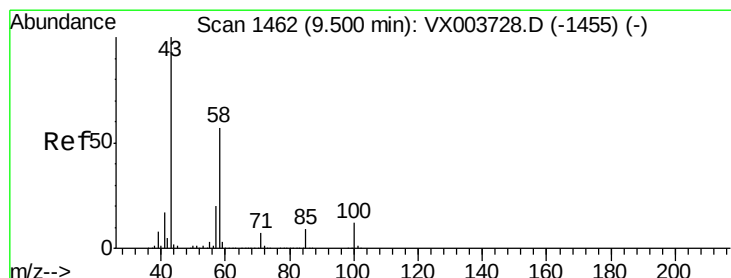
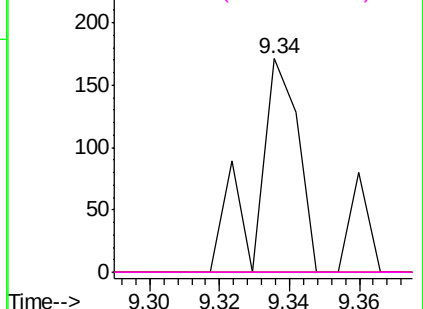
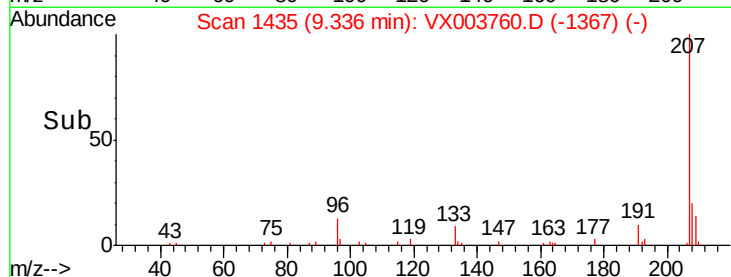
#55
 1,1,2-Trichloroethane
 Concen: 0.35 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. 0.12 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

Tot Ion: 97 Resp: 142
 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#

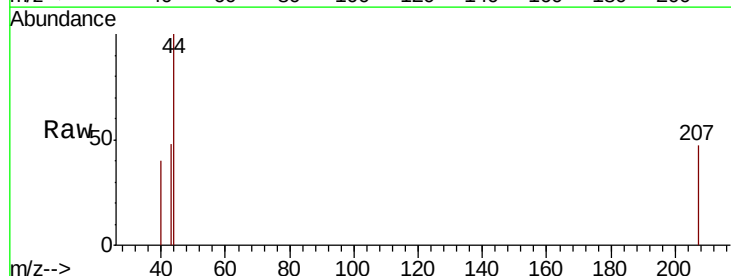


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

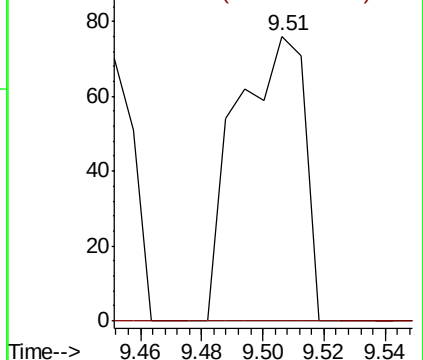
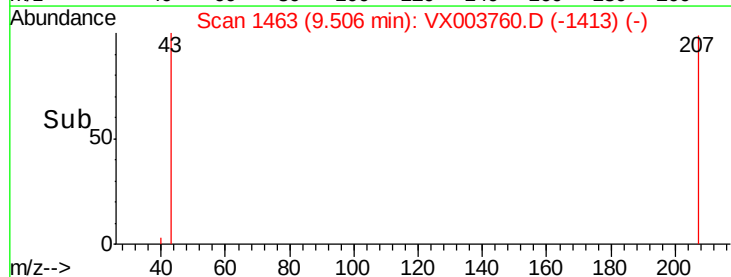


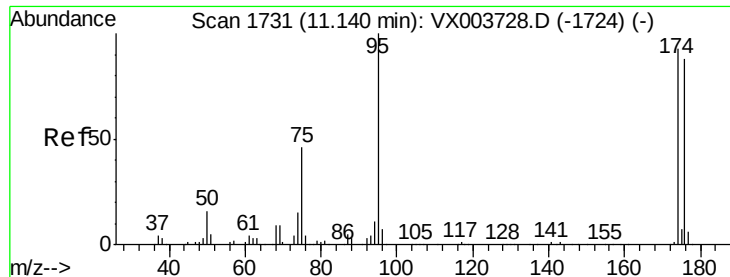
#59
 2-Hexanone
 Concen: 0.31 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 43 Resp: 118
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 83.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 30.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

SB-12(8-10)RE

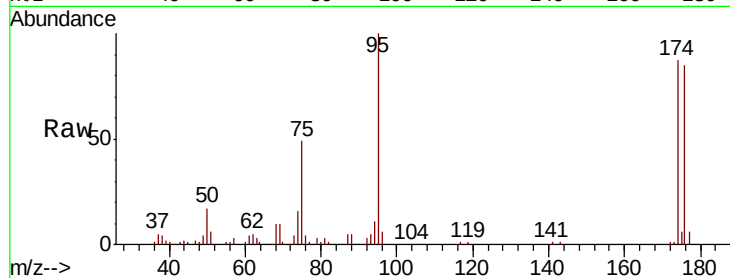
Tot Ion: 95 Resp: 19817

Ion Ratio Lower Upper

95 100

174 89.2 0.0 186.2

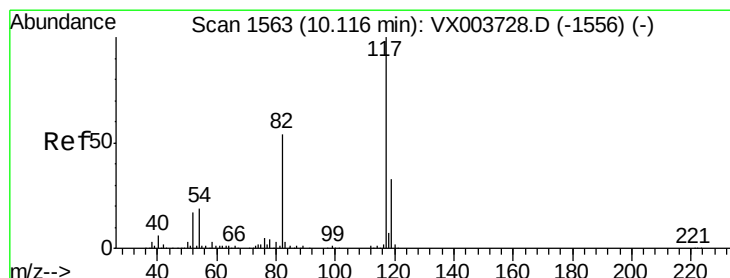
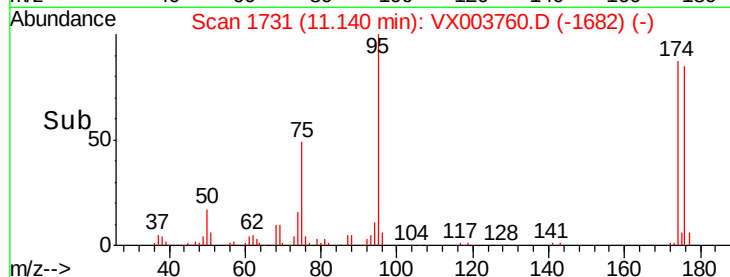
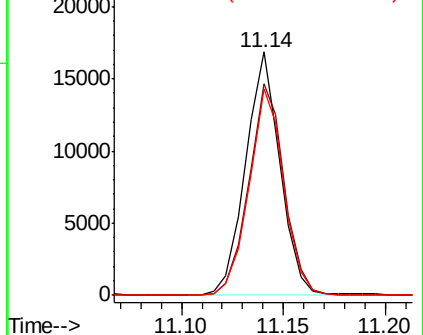
176 85.6 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

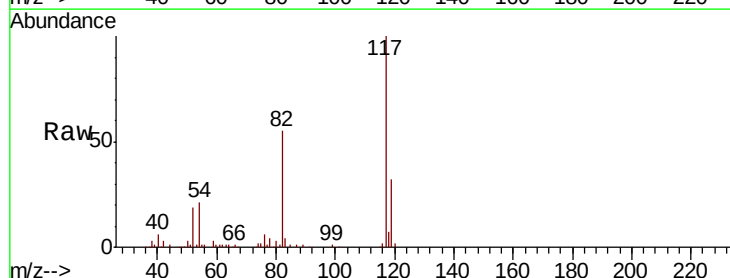
Tgt Ion: 117 Resp: 47637

Ion Ratio Lower Upper

117 100

82 55.2 43.2 64.8

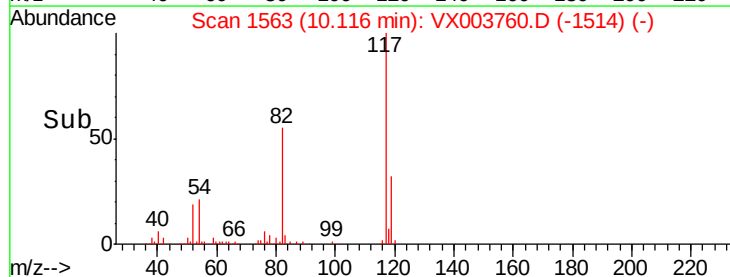
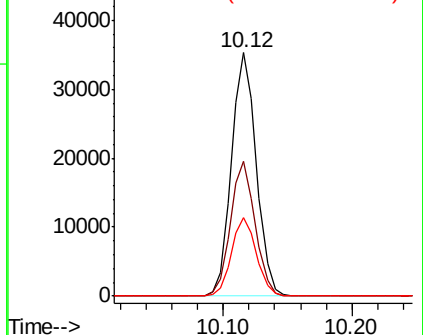
119 32.2 26.3 39.5

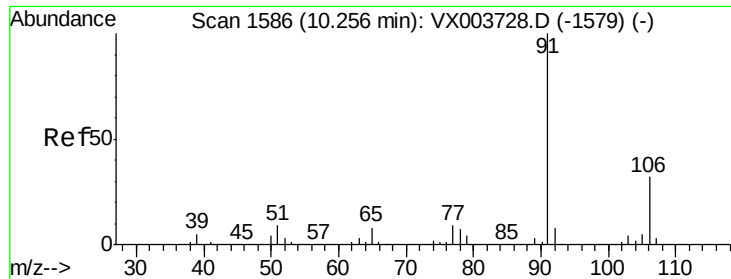


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

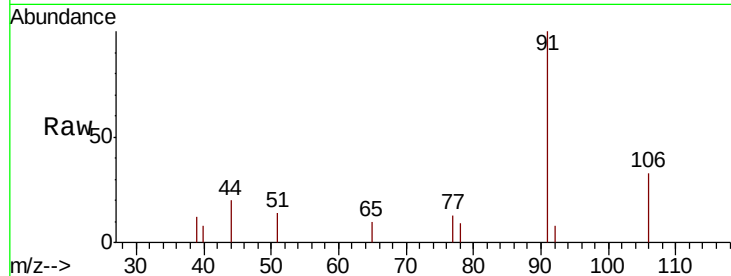




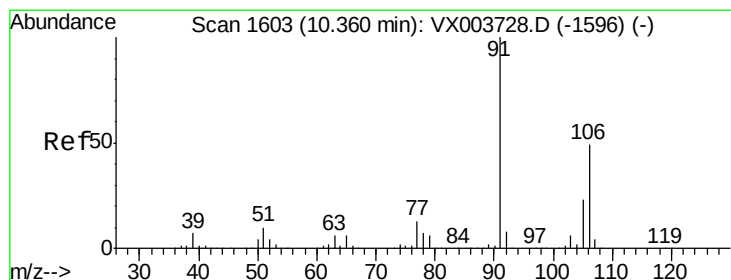
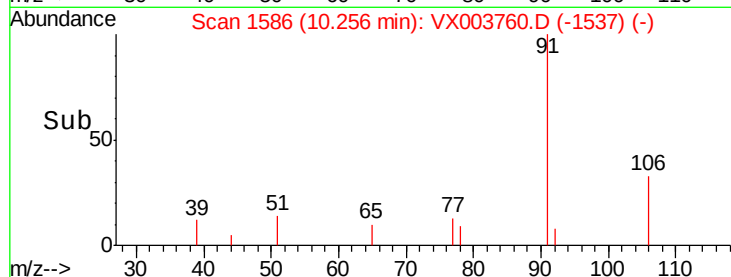
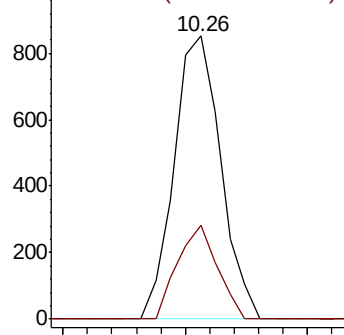
#67
Ethyl Benzene
Concen: 0.67 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

Tot Ion: 91 Resp: 1131
Ion Ratio Lower Upper
91 100
106 33.3 25.4 38.2

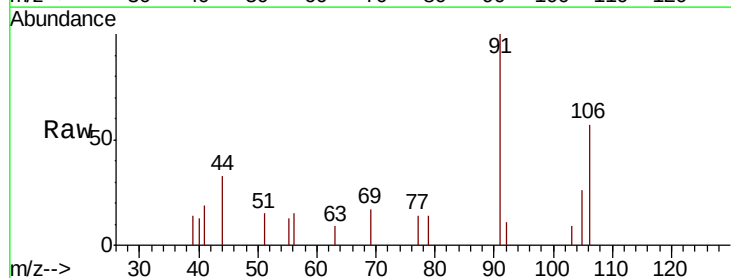


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

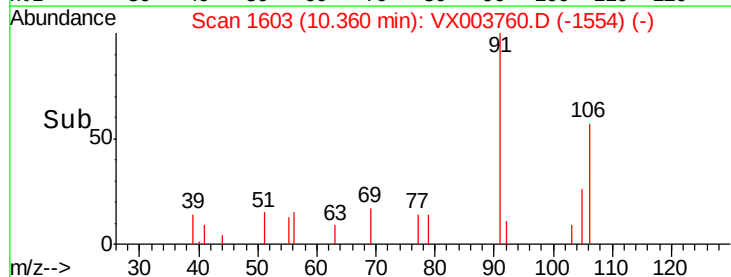
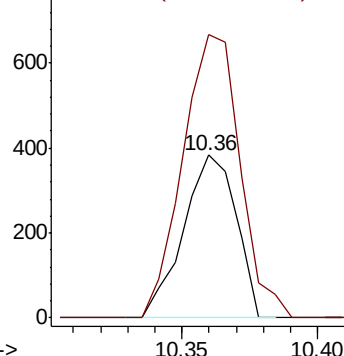


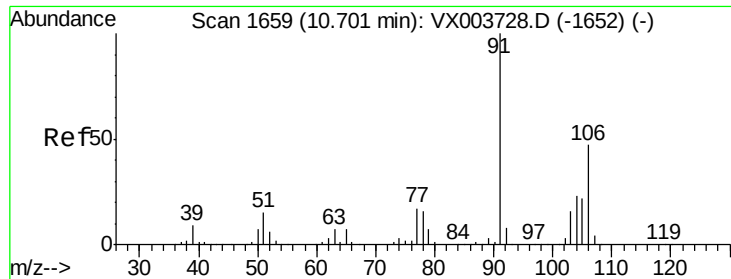
#68
m/p-Xylenes
Concen: 0.78 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion: 106 Resp: 514
Ion Ratio Lower Upper
106 100
91 189.9 159.8 239.8



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

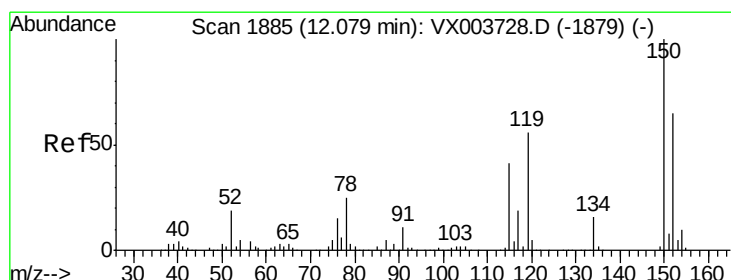
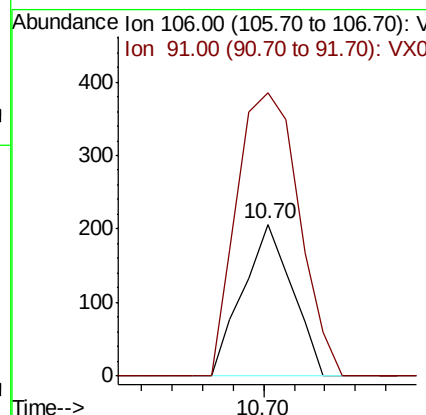
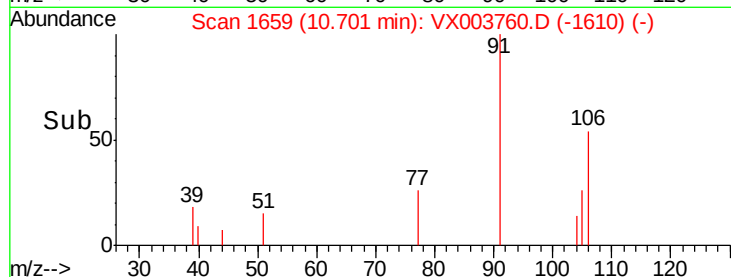
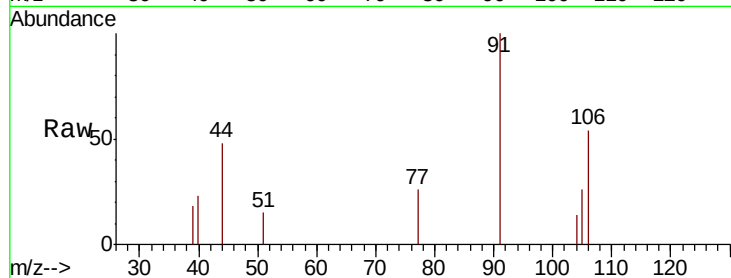




#69
o-Xylene
Concen: 0.38 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

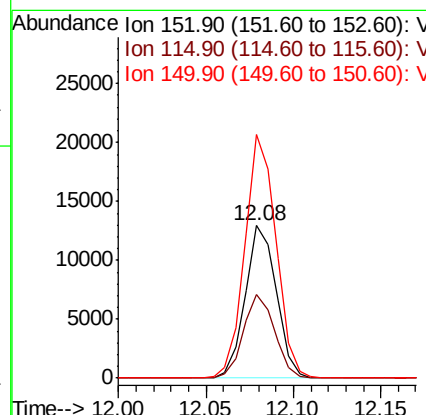
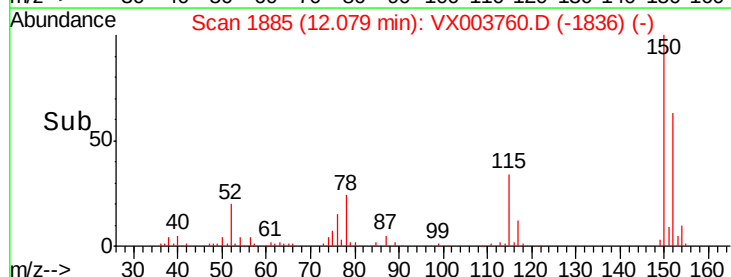
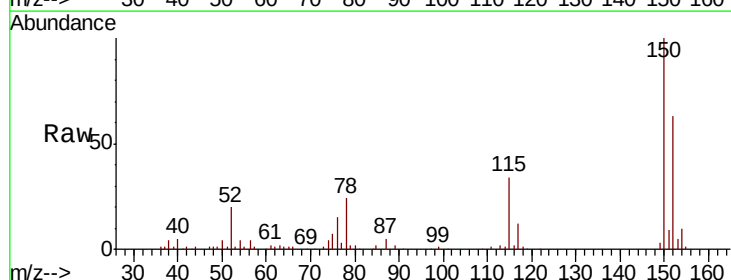
Instrument :
MSVOA_X
ClientSampleId :
SB-12(8-10)RE

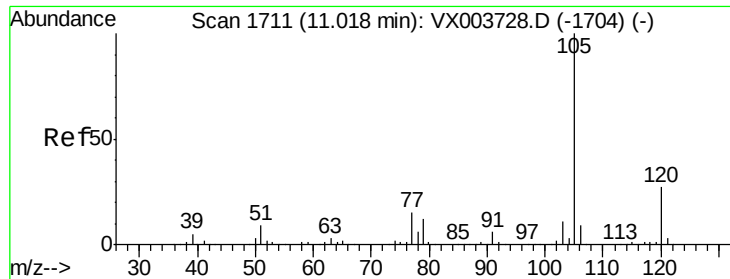
Tot Ion:106 Resp: 230
Ion Ratio Lower Upper
106 100
91 237.4 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003760.D
Acq: 31 Jul 2018 19:31

Tgt Ion:152 Resp: 16081
Ion Ratio Lower Upper
152 100
115 55.1 38.5 115.3
150 159.1 0.0 346.2





#73

Isopropylbenzene

Concen: 0.46 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

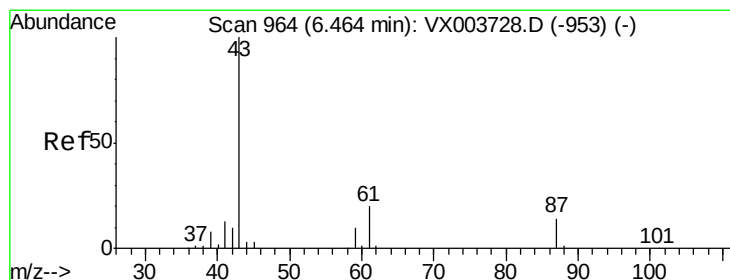
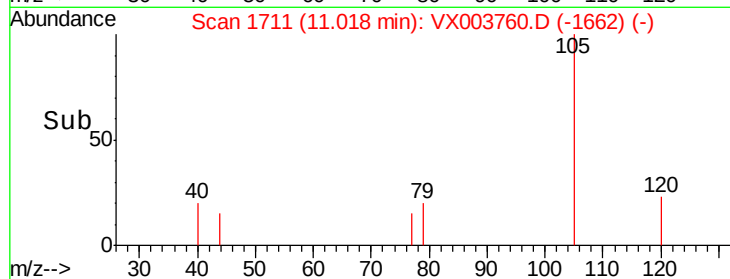
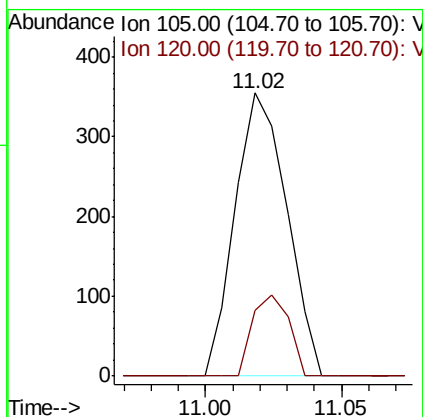
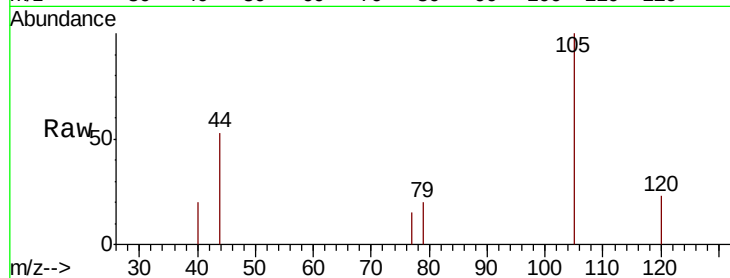
SB-12(8-10)RE

Tot Ion: 105 Resp: 468

Ion Ratio Lower Upper

105 100

120 20.1 13.5 40.5



#74

N-ethyl acetate

Concen: 0.84 ug/l

RT: 6.71 min Scan# 1004

Delta R.T. 0.24 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Tgt Ion: 43 Resp: 299

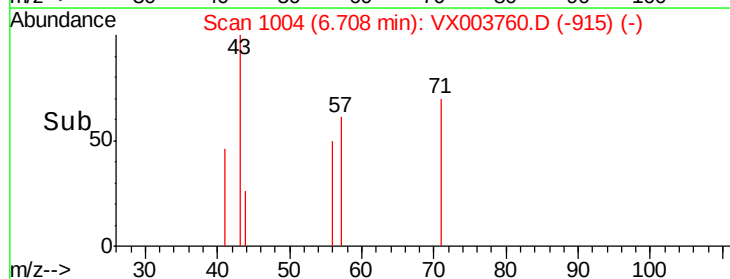
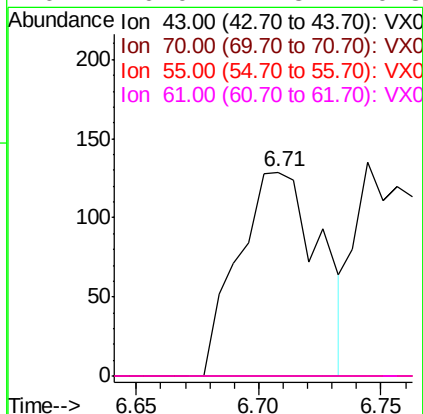
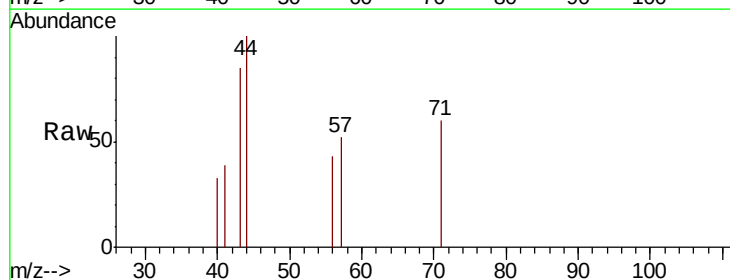
Ion Ratio Lower Upper

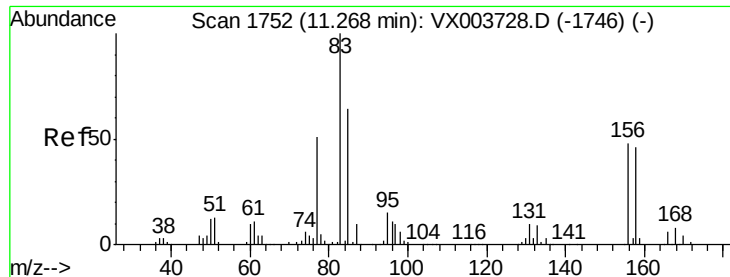
43 100

70 0.0 31.0 46.6#

55 0.0 18.9 28.3#

61 0.0 17.8 26.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.25 ug/l

RT: 11.49 min Scan# 1788

Delta R.T. 0.22 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

SB-12(8-10)RE

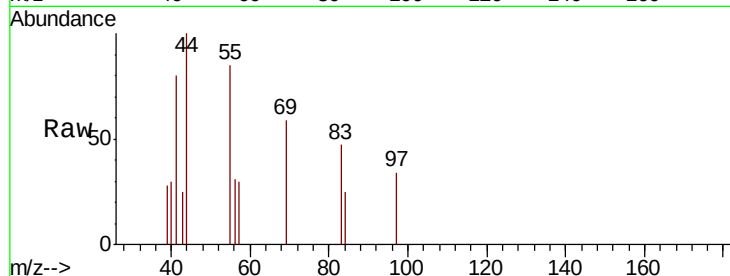
Tot Ion: 83 Resp: 66

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

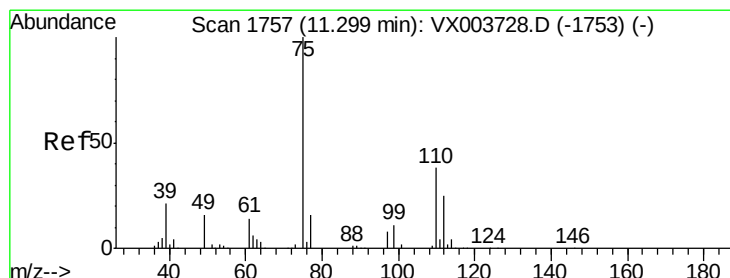
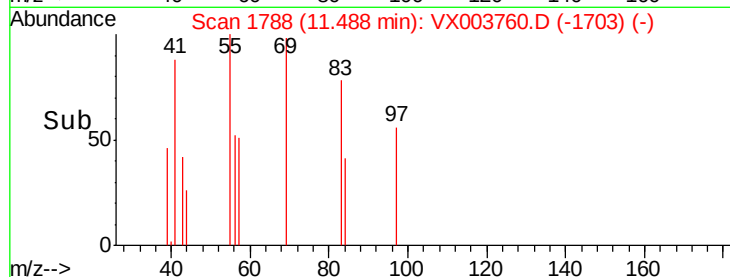
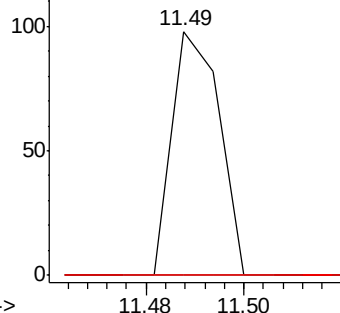
85 0.0 32.0 96.2#



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: 44.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003760.D

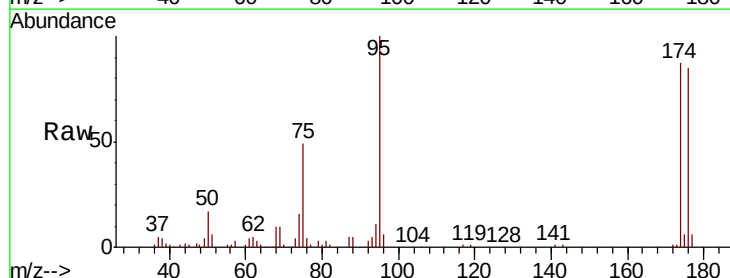
Acq: 31 Jul 2018 19:31

Tgt Ion: 75 Resp: 9786

Ion Ratio Lower Upper

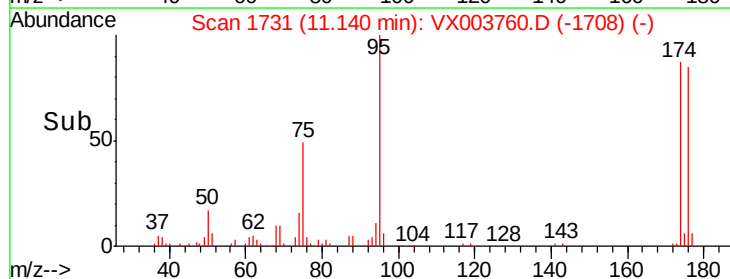
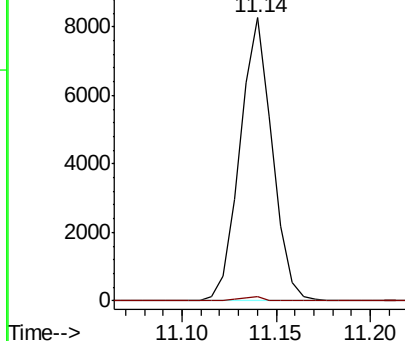
75 100

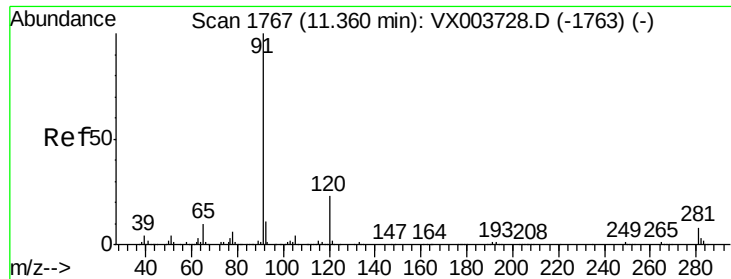
77 1.0 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.26 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

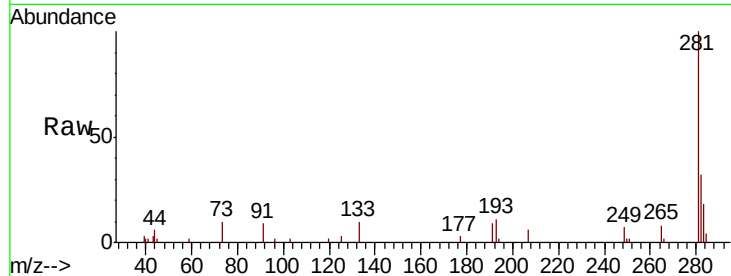
SB-12(8-10)RE

Tot Ion: 91 Resp: 322

Ion Ratio Lower Upper

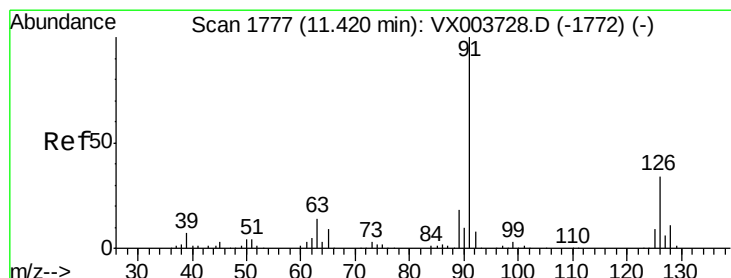
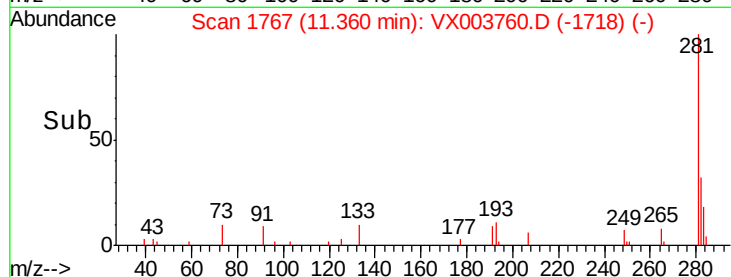
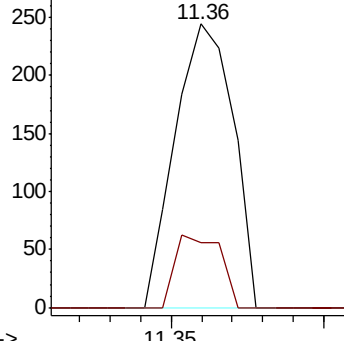
91 100

120 19.9 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: 0.46 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.02 min

Lab File: VX003760.D

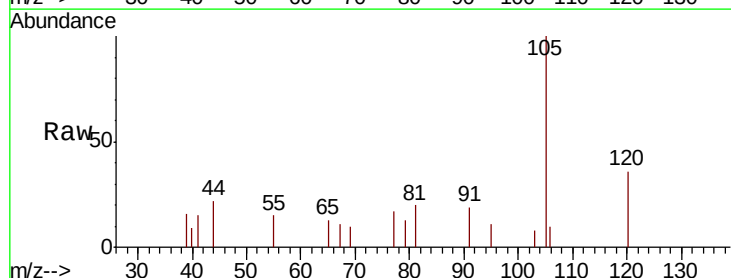
Acq: 31 Jul 2018 19:31

Tgt Ion: 91 Resp: 320

Ion Ratio Lower Upper

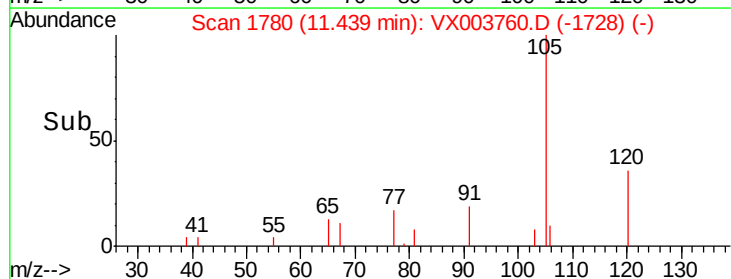
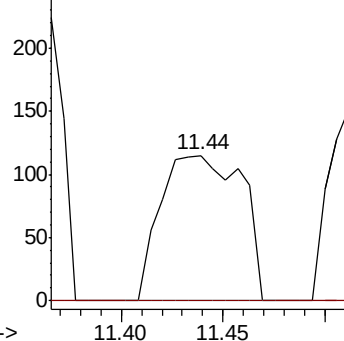
91 100

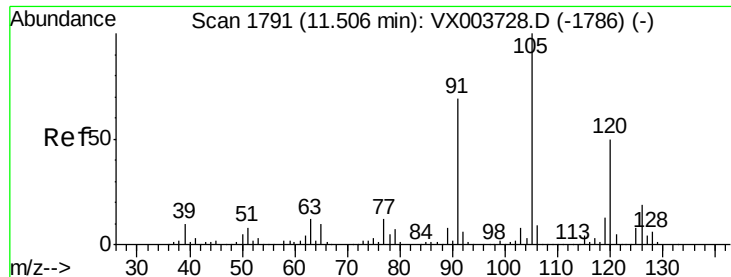
126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

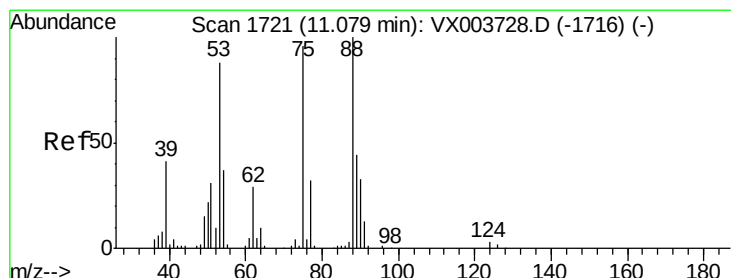
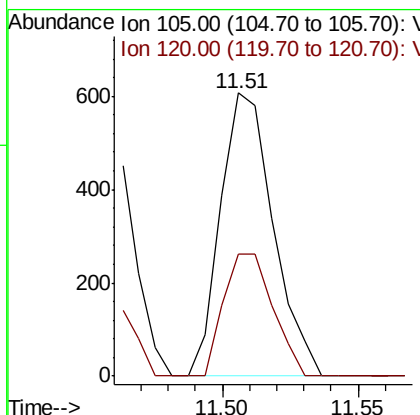
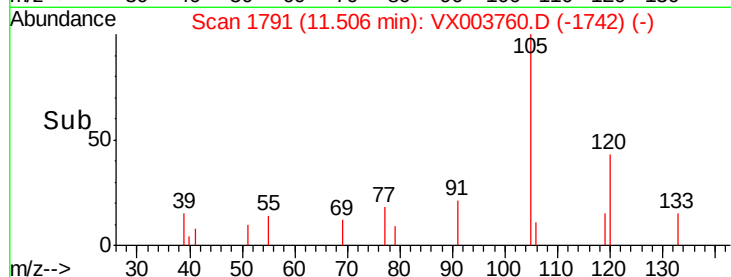
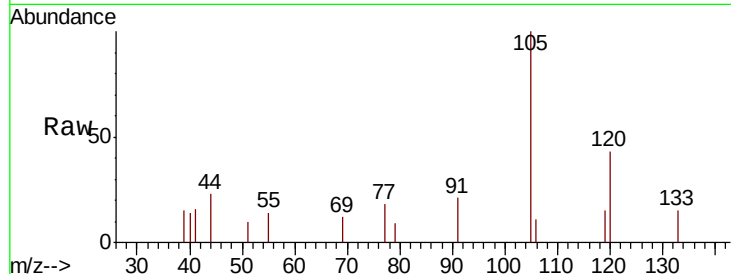




#80
 1,3,5-Trimethylbenzene
 Concen: 0.95 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

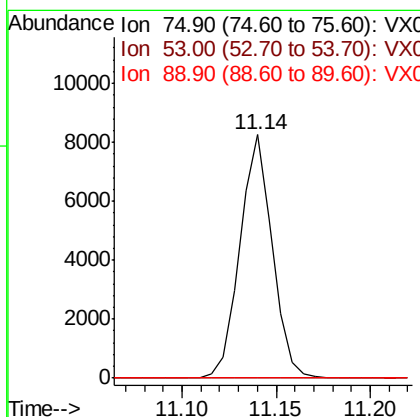
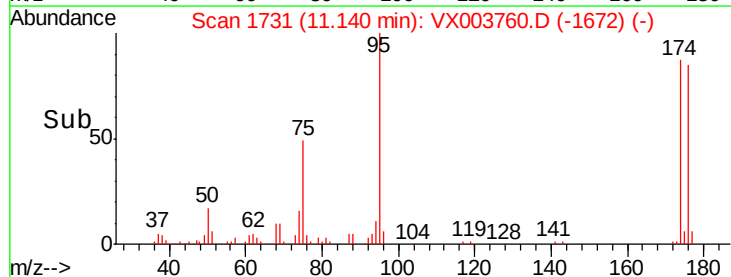
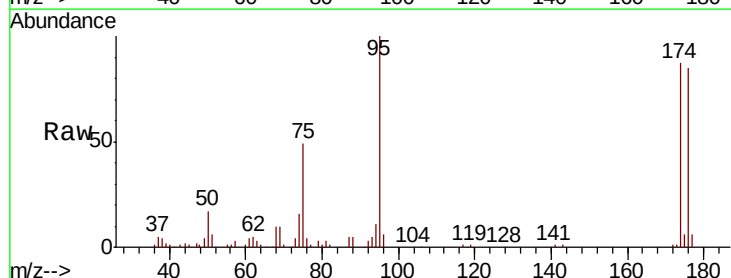
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

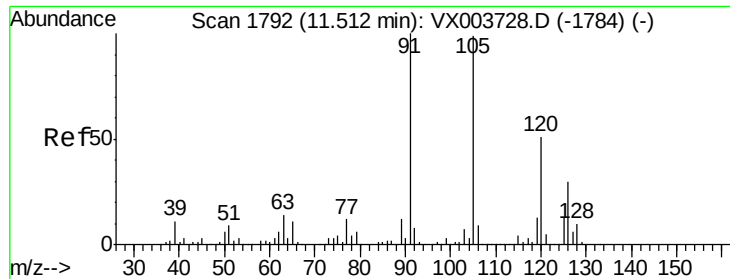
Tot Ion:105 Resp: 816
 Ion Ratio Lower Upper
 105 100
 120 40.2 15.8 47.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.77 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 75 Resp: 9786
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 39.1 58.7#





#82

4-Chlorotoluene

Concen: 0.34 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

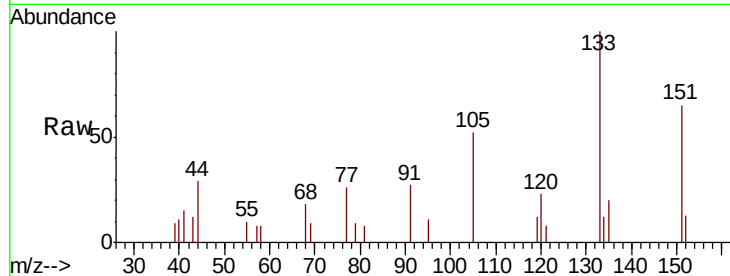
SB-12(8-10)RE

Tot Ion: 91 Resp: 285

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.52

150

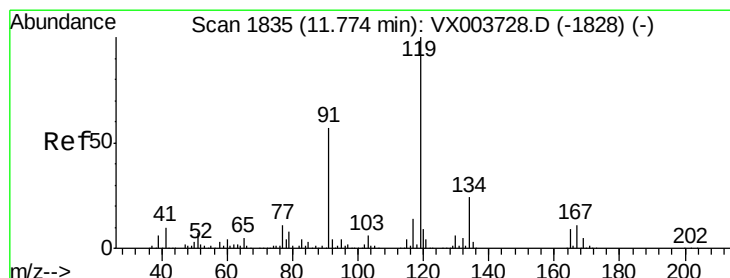
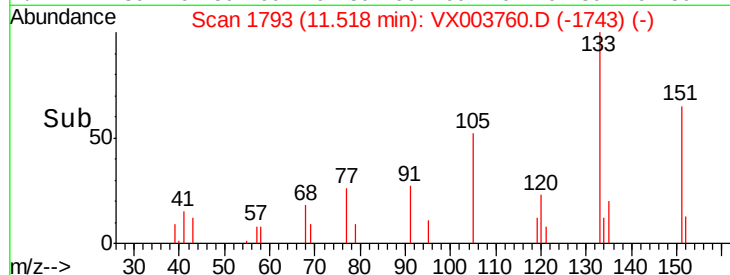
100

50

0

11.50 11.55

Time-->



#83

tert-Butylbenzene

Concen: 0.30 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.04 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

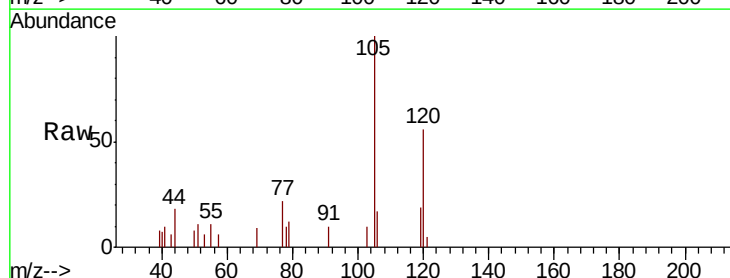
Tgt Ion: 119 Resp: 252

Ion Ratio Lower Upper

119 100

91 77.8 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

250

200

150

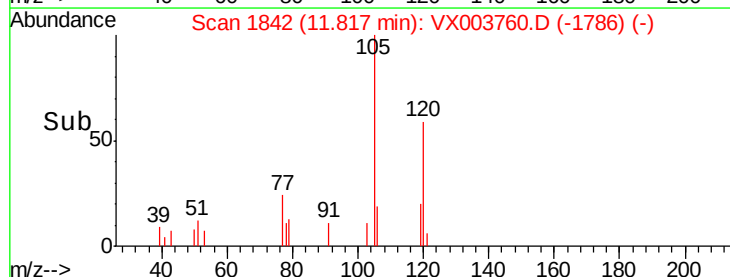
100

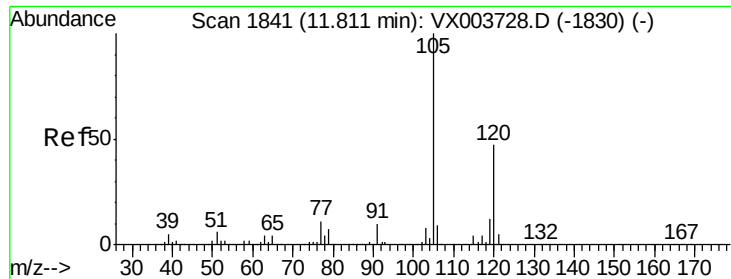
50

0

11.80 11.85

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 2.11 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

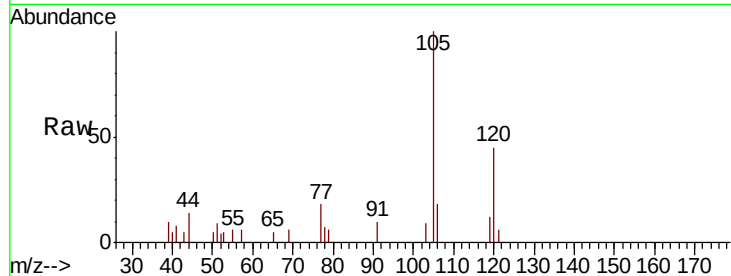
SB-12(8-10)RE

Tot Ion:105 Resp: 1869

Ion Ratio Lower Upper

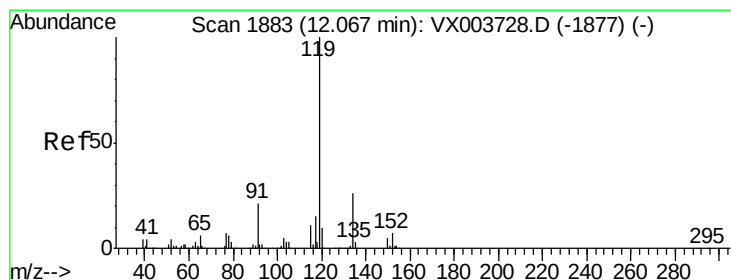
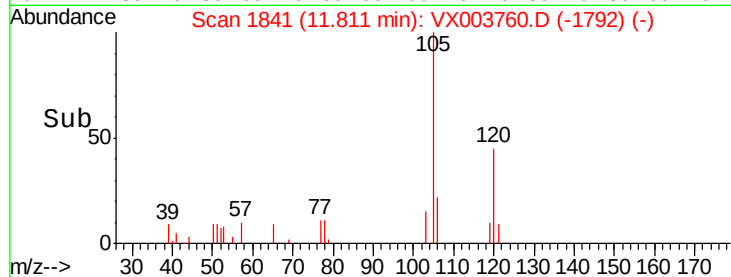
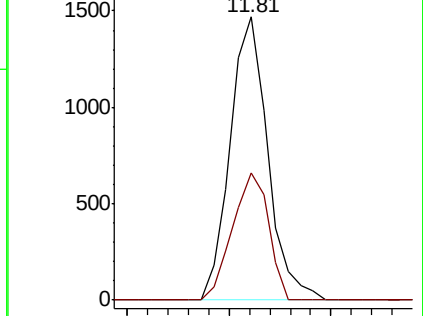
105 100

120 43.1 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

p-Isopropyltoluene

Concen: 0.37 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

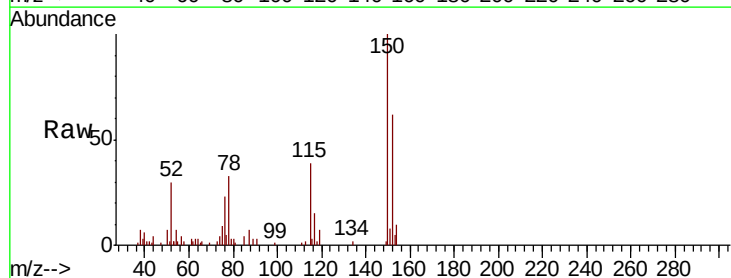
Tgt Ion:119 Resp: 364

Ion Ratio Lower Upper

119 100

134 22.3 10.1 30.1

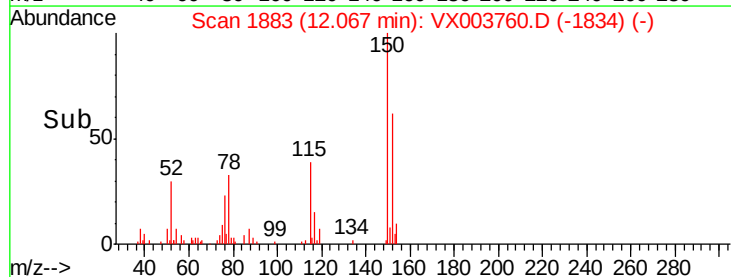
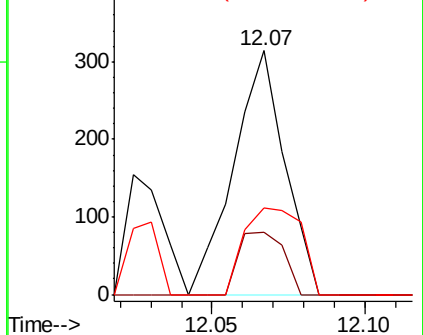
91 39.8 23.6 70.8

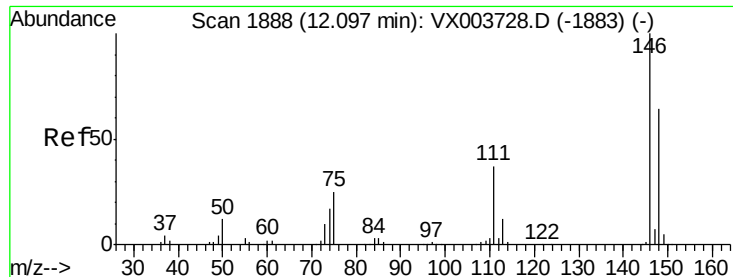


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

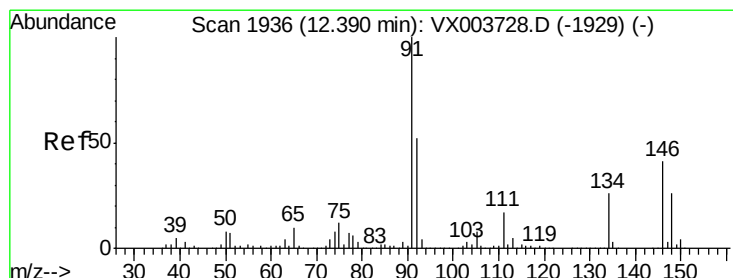
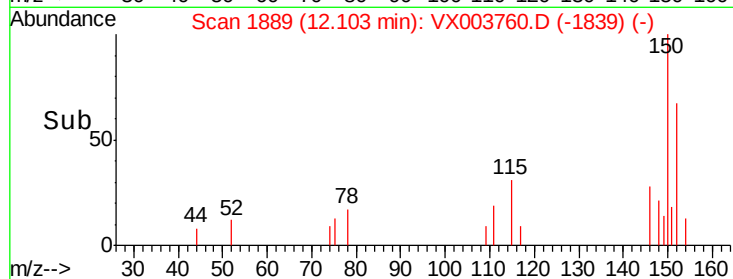
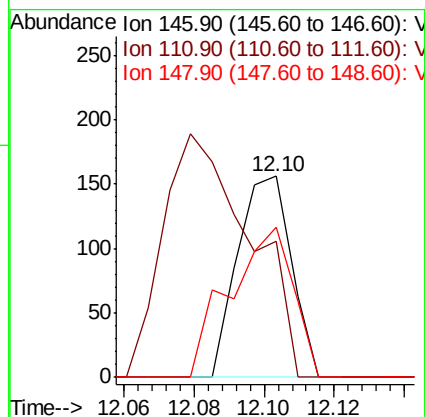
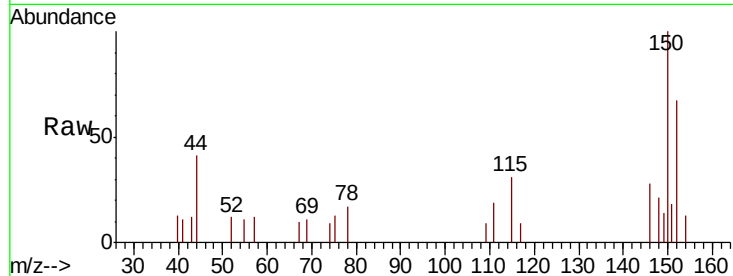




#88
 1,4-Dichlorobenzene
 Concen: 0.31 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

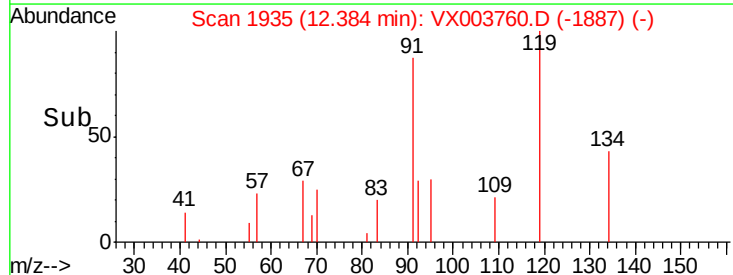
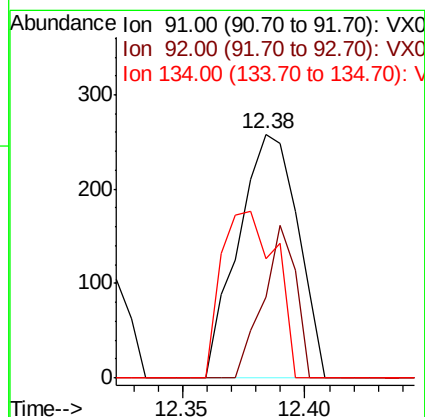
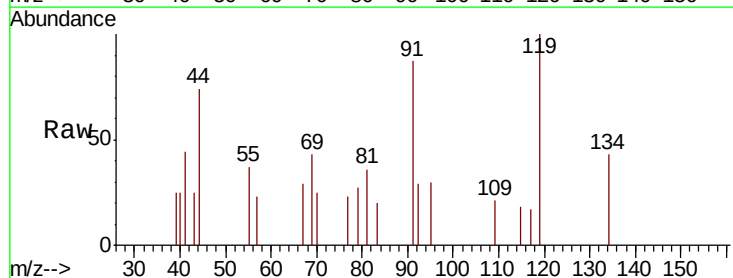
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

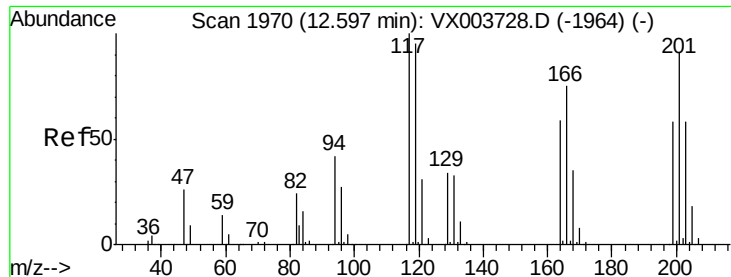
Tot Ion:146 Resp: 166
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 88.6 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.47 ug/l
 RT: 12.38 min Scan# 1935
 Delta R.T. -0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion: 91 Resp: 438
 Ion Ratio Lower Upper
 91 100
 92 34.5 26.2 78.5
 134 62.6 13.6 40.7#





#90

Hexachloroethane

Concen: 4.75 ug/l

RT: 12.76 min Scan# 1997

Delta R.T. 0.16 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

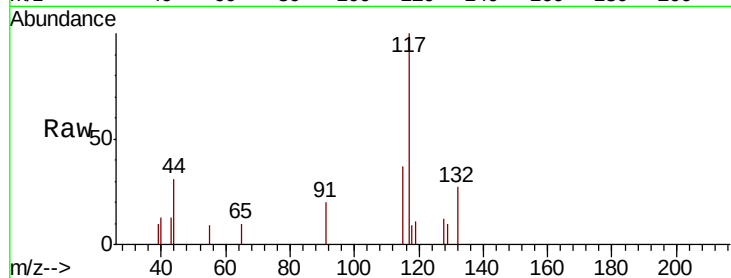
SB-12(8-10)RE

Tot Ion:117 Resp: 697

Ion Ratio Lower Upper

117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.76

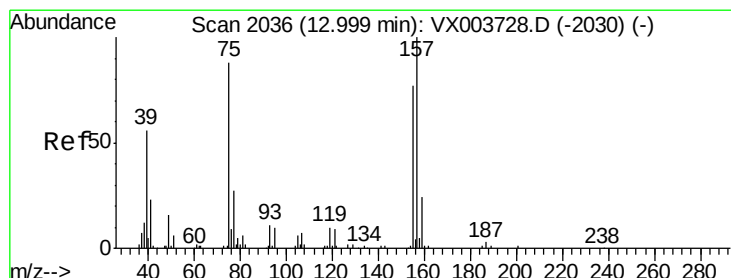
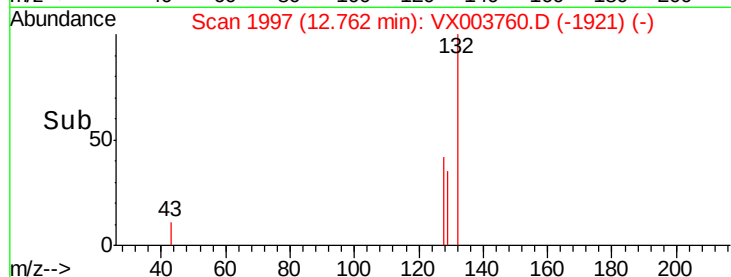
600

400

200

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.42 ug/l

RT: 13.10 min Scan# 2052

Delta R.T. 0.10 min

Lab File: VX003760.D

Acq: 31 Jul 2018 19:31

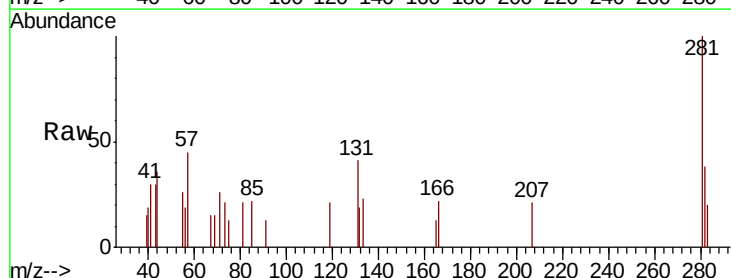
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

157 0.0 63.7 191.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

80

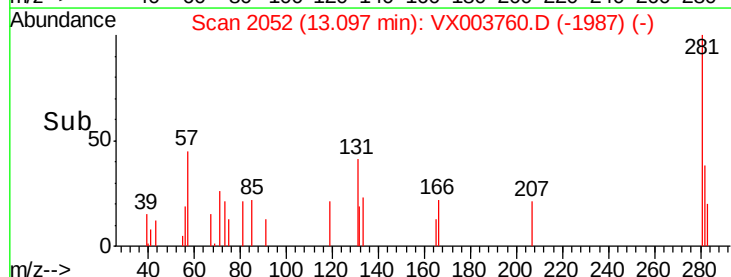
60

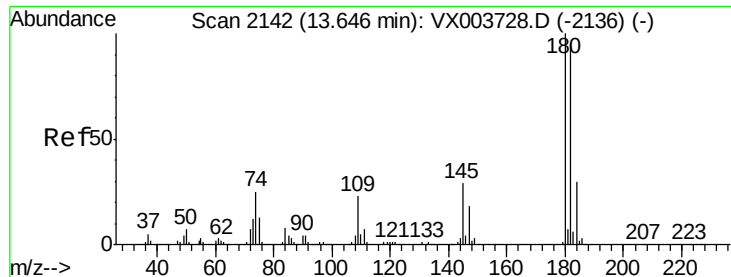
40

20

0

Time-->

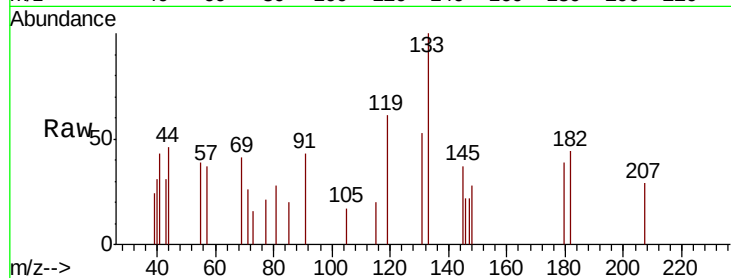




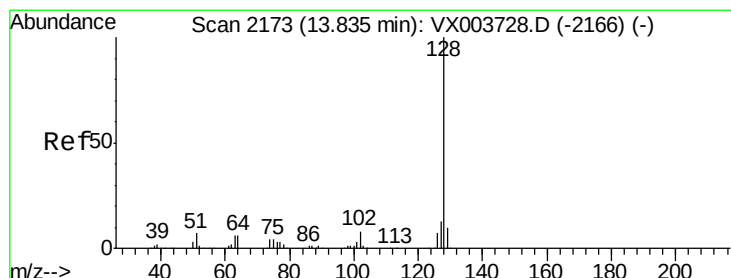
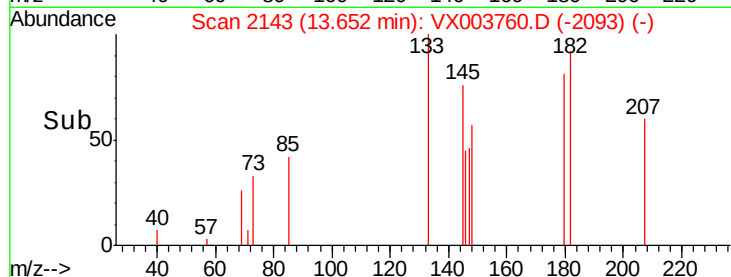
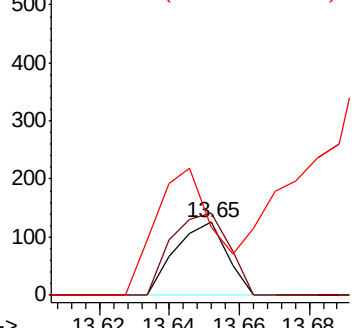
#93
 1,2,4-Trichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

Tot Ion:180 Resp: 128
 Ion Ratio Lower Upper
 180 100
 182 126.6 47.6 142.9
 145 197.7 14.1 42.2#

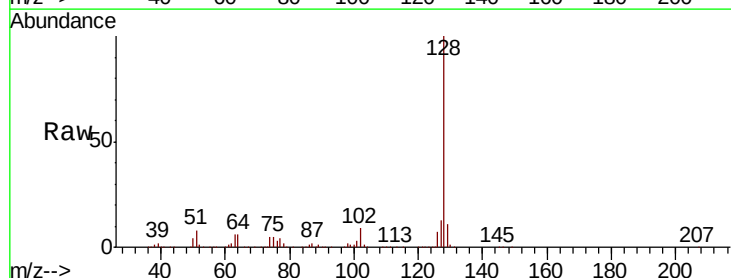


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

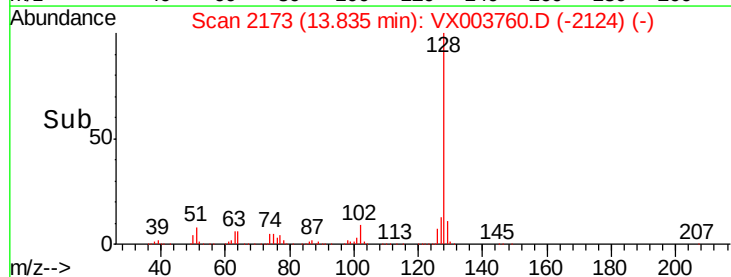
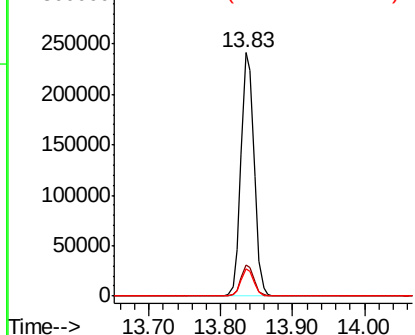


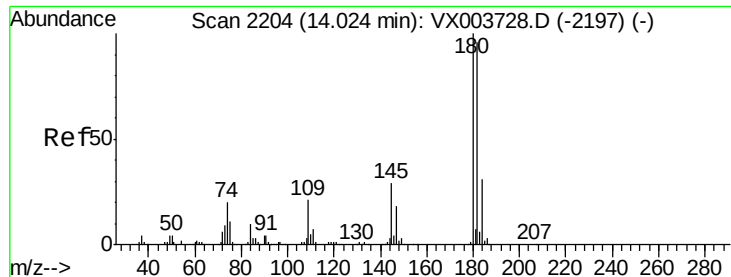
#95
 Naphthalene
 Concen: 361.63 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Tgt Ion:128 Resp: 303098
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.2 15.2
 129 11.0 8.7 13.1



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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX003760.D
 Acq: 31 Jul 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(8-10)RE

Tot Ion	Ratio	Lower	Upper
180	100		
182	123.2	47.9	143.8
145	986.3	14.7	44.1#

