

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003088.D
 Acq On : 30 Jun 2018 19:23
 Operator : JC/MD
 Sample : J3738-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0040

Quant Time: Jul 02 02:45:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	280133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	388136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225931	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	178877	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
35) Dibromofluoromethane	5.51	113	146904	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
50) Toluene-d8	8.72	98	548100	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.14	95	205340	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	21	Below Cal	#	43
3) Chloromethane	1.31	50	1075	Below Cal	#	56
4) Vinyl Chloride	1.41	62	1365	0.43	ug/l	1
5) Bromomethane	1.66	94	1431	Below Cal		82
6) Chloroethane	1.73	64	4942	0.56	ug/l	73
10) Methyl Iodide	2.51	142	1220	6.57	ug/l	96
11) Tert butyl alcohol	3.07	59	2359	3.06	ug/l	73
13) Acrolein	2.27	56	275	4.86	ug/l	1
14) Allyl chloride	2.84	41	190800	35.04	ug/l	57
15) Acrylonitrile	3.17	53	10357	6.29	ug/l	43
16) Acetone	2.45	43	10749	6.70	ug/l	98
17) Carbon Disulfide	2.57	76	3610	0.49	ug/l	84
18) Methyl Acetate	2.84	43	460277	102.67	ug/l	55
20) Methylene Chloride	2.85	84	3322	1.06	ug/l	1
25) 2-Butanone	4.72	43	3610	1.52	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	1953	0.58	ug/l	1
29) Tetrahydrofuran	5.21	42	647	0.42	ug/l	36
31) Cyclohexane	5.59	56	39047	8.04	ug/l	98
36) 1,1-Dichloropropene	5.67	75	18613	4.37	ug/l	50
38) Carbon Tetrachloride	5.67	117	24449	5.23	ug/l	16
39) Methylcyclohexane	7.46	83	118248	23.85	ug/l	92
40) Benzene	6.15	78	15777	1.28	ug/l	93
43) Isopropyl Acetate	6.45	43	3040	0.40	ug/l	66
47) Bromodichloromethane	7.95	83	846	0.20	ug/l	26
48) Methyl methacrylate	7.73	41	7580	1.91	ug/l	43
49) 1,4-Dioxane	7.87	88	23	0.30	ug/l	1
51) 4-Methyl-2-Pentanone	8.67	43	16222	3.37	ug/l	58
52) Toluene	8.79	92	1877	0.24	ug/l	91
55) 1,1,2-Trichloroethane	9.16	97	89974	27.64	ug/l	18
56) Ethyl methacrylate	9.16	69	19856	4.17	ug/l	1
59) 2-Hexanone	9.52	43	1648	0.45	ug/l	83
67) Ethyl Benzene	10.26	91	7754789	507.64	ug/l	96
68) m/p-Xylenes	10.37	106	2417349	410.60	ug/l	95
69) o-Xylene	10.70	106	3313	0.58	ug/l	81

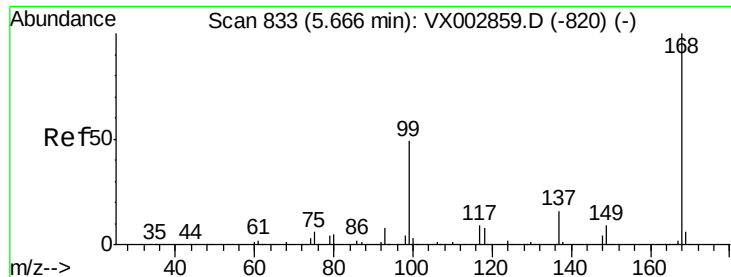
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003088.D
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Quant Time: Jul 02 02:45:09 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Styrene	10.72	104	5014	0.54	ug/l	92
73) Isopropylbenzene	11.02	105	1583966	104.22	ug/l	100
74) N-amyl acetate	6.45	43	3040	0.41	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.28	83	4293	0.92	ug/l #	51
76) 1,2,3-Trichloropropane	11.37	75	9828	2.40	ug/l #	1
78) n-propylbenzene	11.37	91	1533364	88.63	ug/l	100
79) 2-Chlorotoluene	11.46	91	136772	13.06	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.46	105	1230942	96.16	ug/l	73
81) trans-1,4-Dichloro-2-buten	11.02	75	18625	15.68	ug/l #	69
82) 4-Chlorotoluene	11.46	91	136772	11.03	ug/l #	44
83) tert-Butylbenzene	11.77	119	19871	1.58	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	1768207	133.31	ug/l	97
85) sec-Butylbenzene	11.95	105	223521	14.60	ug/l	84
86) p-Isopropyltoluene	12.07	119	126523	9.19	ug/l	99
89) n-Butylbenzene	12.37	91	21879	1.83	ug/l #	1
90) Hexachloroethane	12.59	117	26084	12.74	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	2119	0.27	ug/l	87
92) 1,2-Dibromo-3-Chloropropan	13.02	75	1677	1.59	ug/l #	1
95) Naphthalene	13.84	128	1780527	115.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

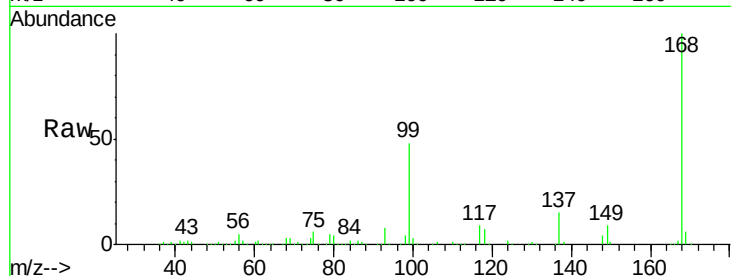
S22-0040

Tot Ion:168 Resp: 280133

Ion Ratio Lower Upper

168 100

99 48.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

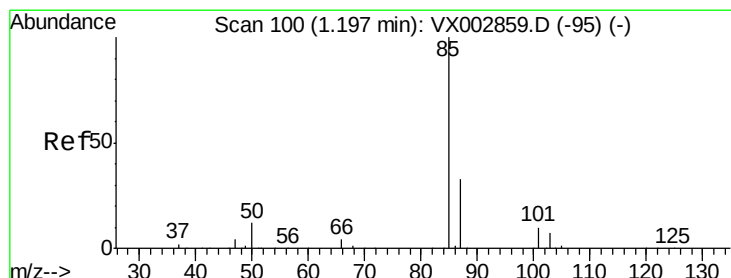
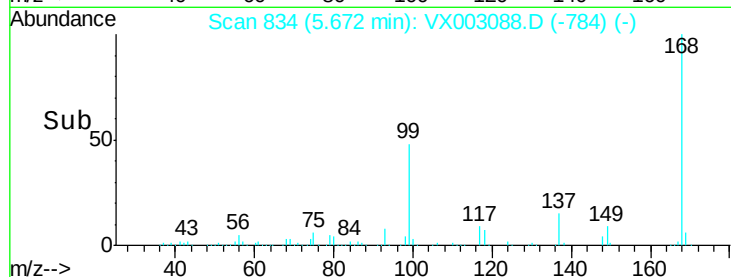
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.17 min Scan# 95

Delta R.T. -0.03 min

Lab File: VX003088.D

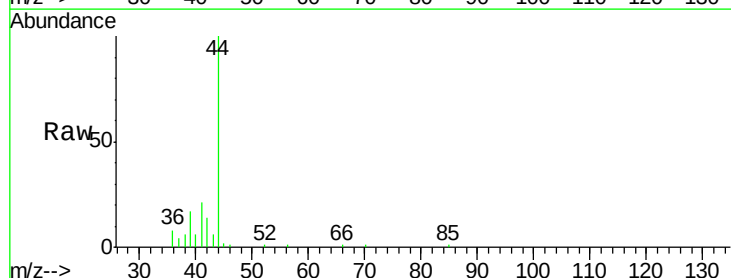
Acq: 30 Jun 2018 19:23

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60

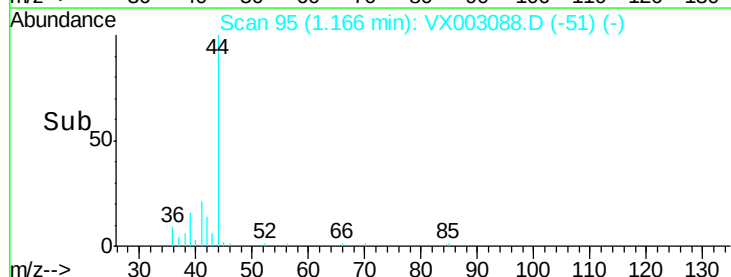
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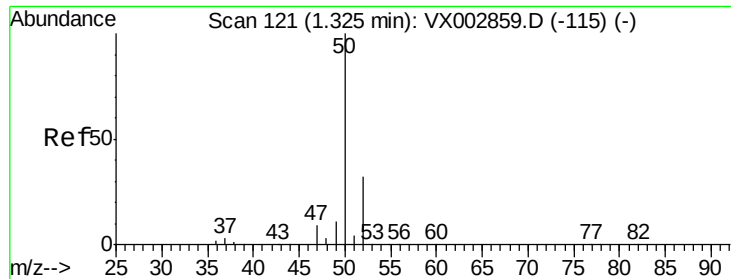
20

0

1.15 1.16 1.17 1.18

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.31 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

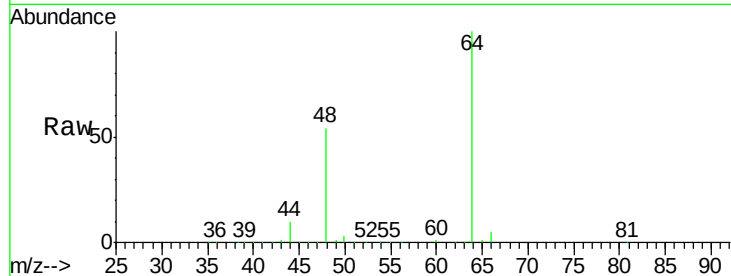
S22-0040

Tot Ion: 50 Resp: 1075

Ion Ratio Lower Upper

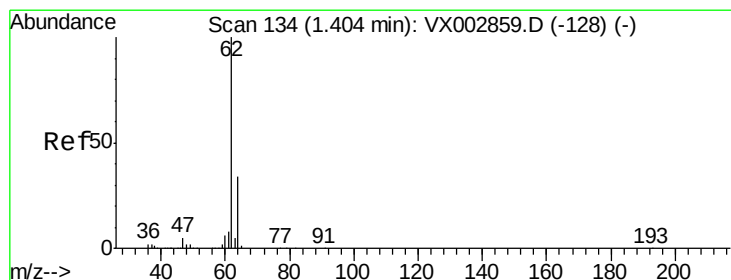
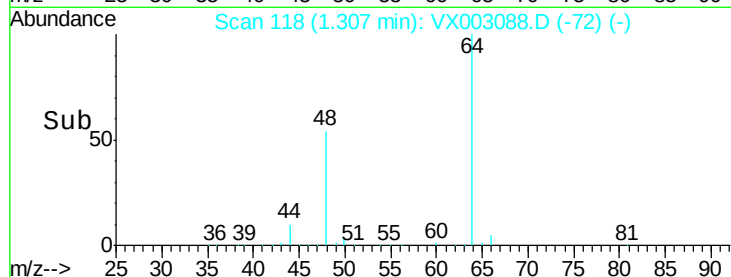
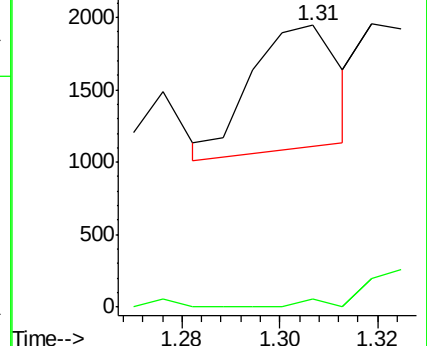
50 100

52 7.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.43 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003088.D

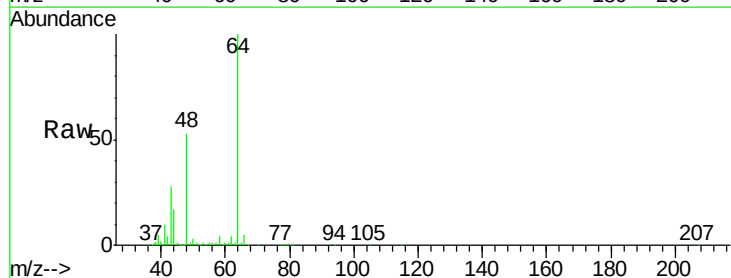
Acq: 30 Jun 2018 19:23

Tgt Ion: 62 Resp: 1365

Ion Ratio Lower Upper

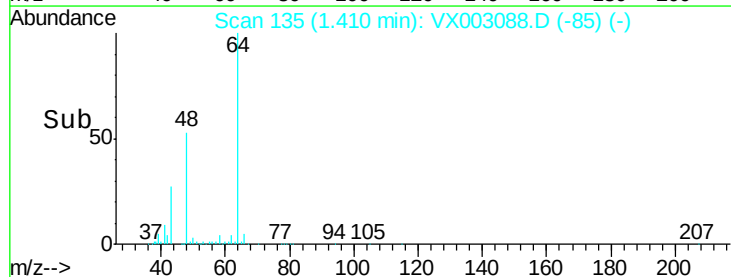
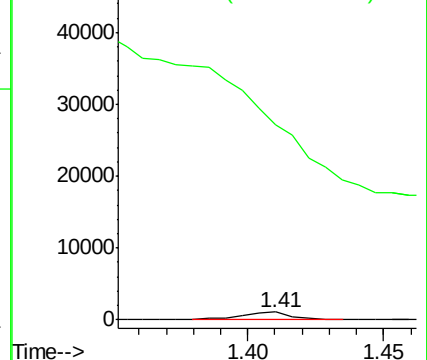
62 100

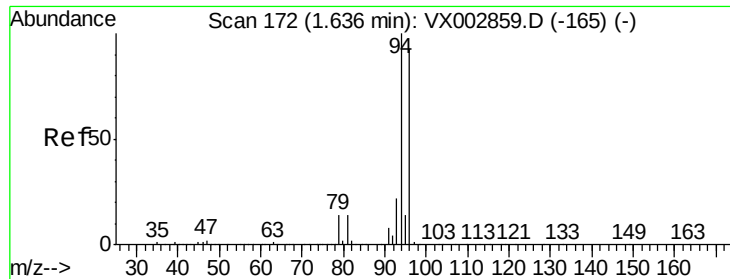
64 706.8 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

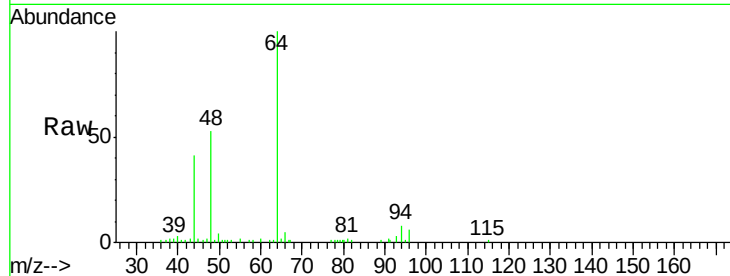
S22-0040

Tot Ion: 94 Resp: 1431

Ion Ratio Lower Upper

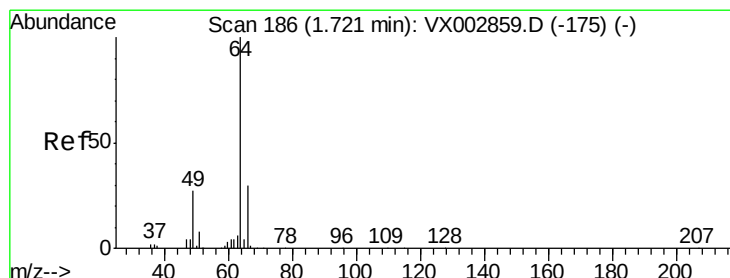
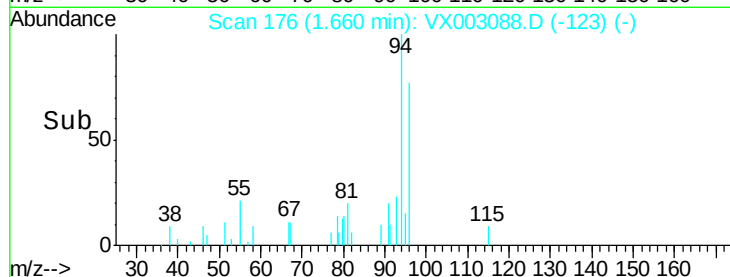
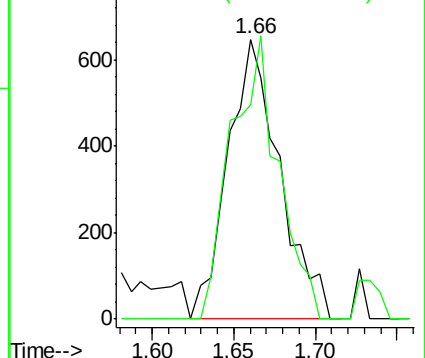
94 100

96 76.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.56 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003088.D

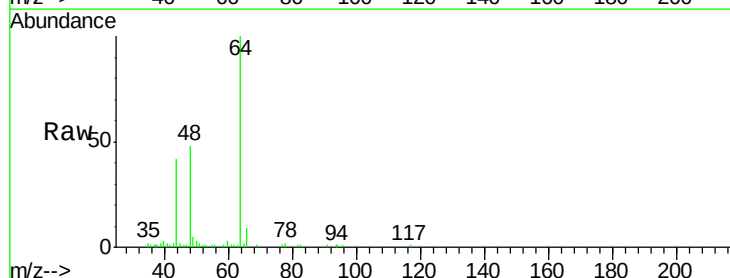
Acq: 30 Jun 2018 19:23

Tgt Ion: 64 Resp: 4942

Ion Ratio Lower Upper

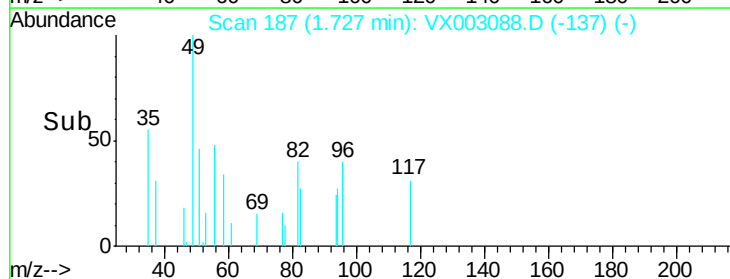
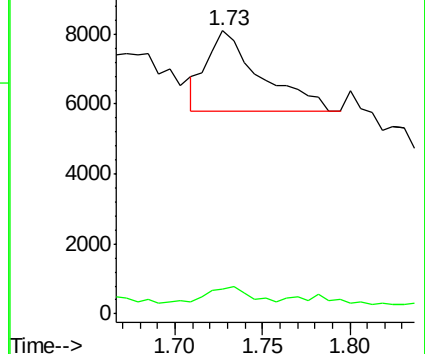
64 100

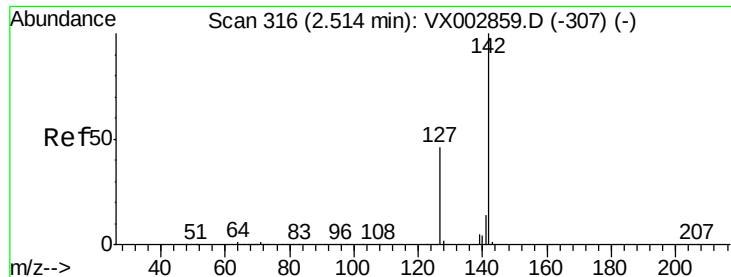
66 16.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

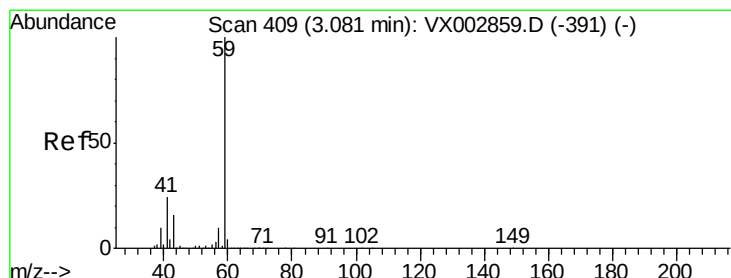
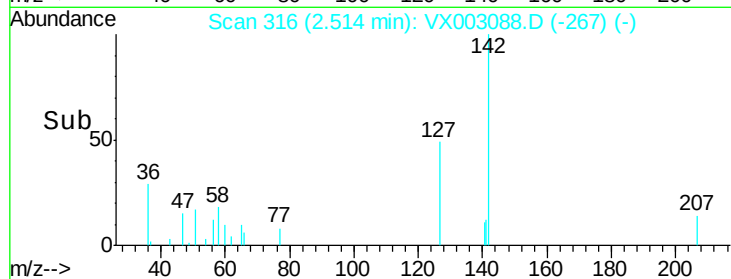
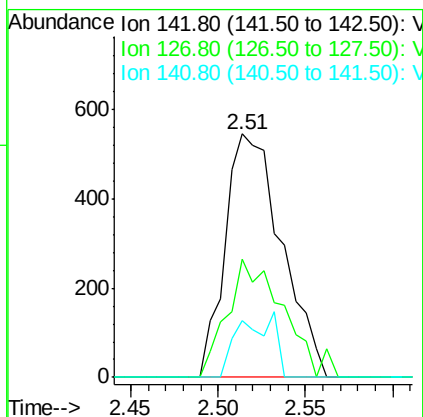
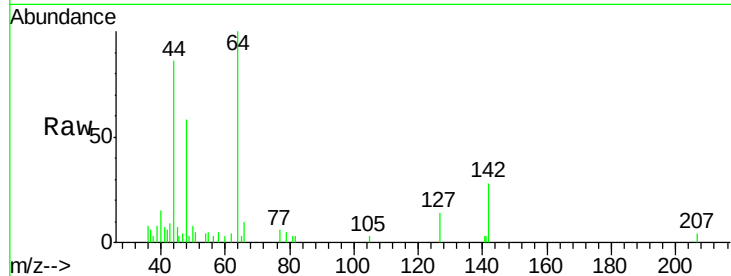




#10
Methyl Iodide
Concen: 6.57 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

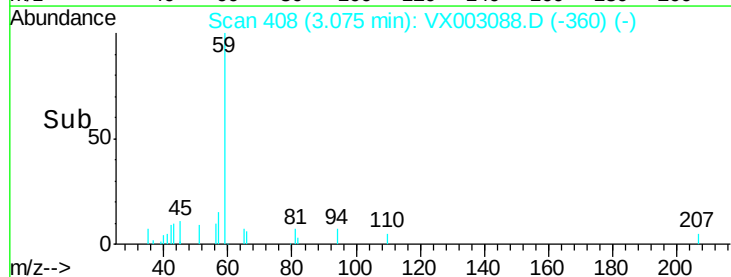
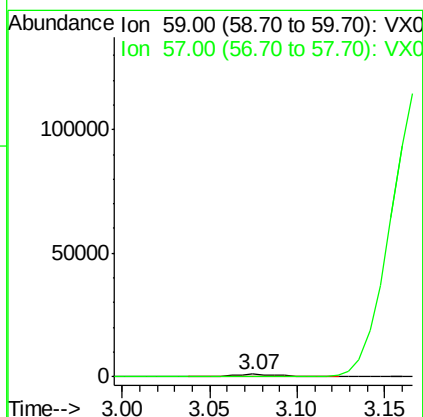
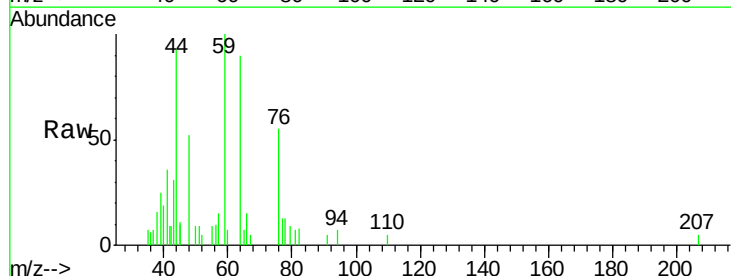
Instrument :
MSVOA_X
ClientSampled :
S22-0040

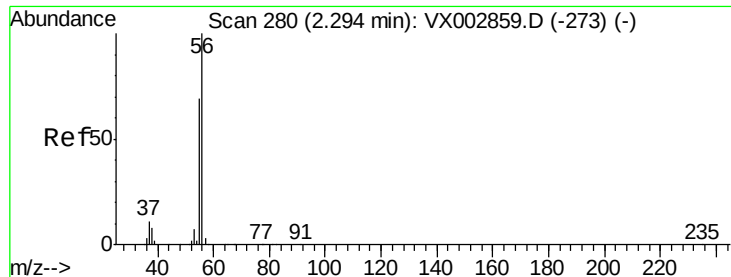
Tot Ion:142 Resp: 1220
Ion Ratio Lower Upper
142 100
127 48.4 36.6 55.0
141 16.7 11.3 16.9



#11
Tert butyl alcohol
Concen: 3.06 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

Tgt Ion: 59 Resp: 2359
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 4.86 ug/l

RT: 2.27 min Scan# 276

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

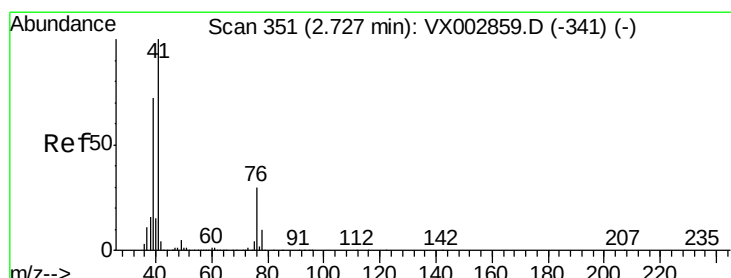
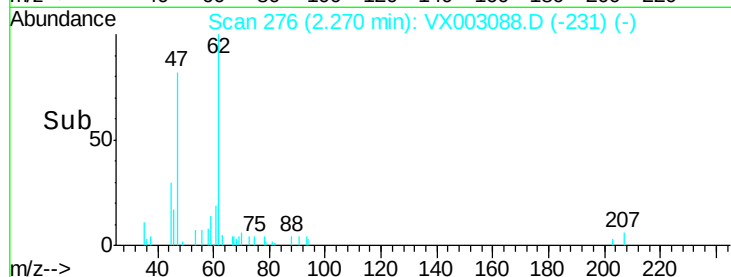
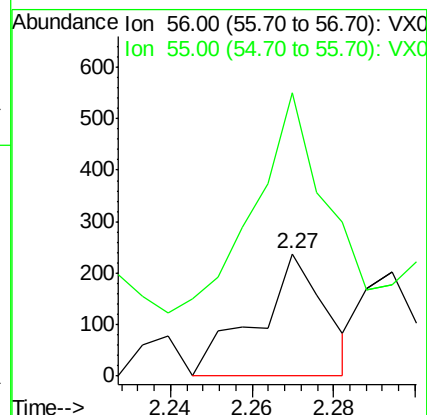
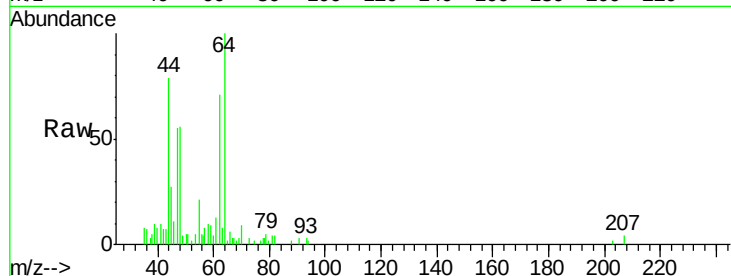
S22-0040

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 278.2 57.0 85.4#



#14

Allyl chloride

Concen: 35.04 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

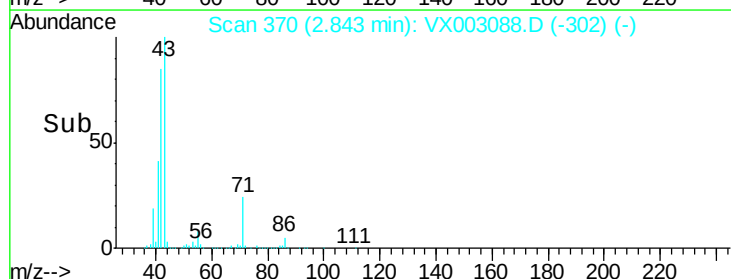
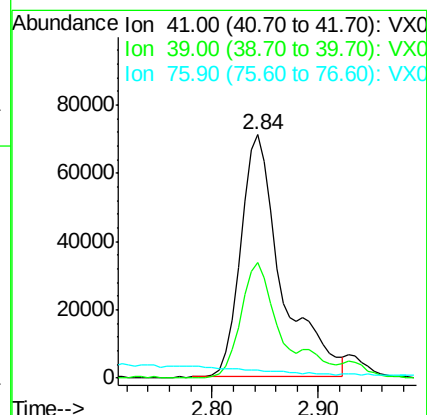
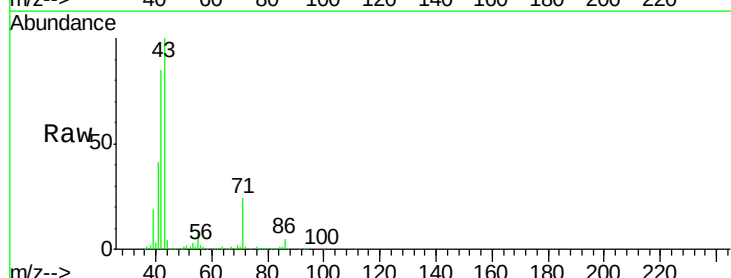
Tgt Ion: 41 Resp: 190800

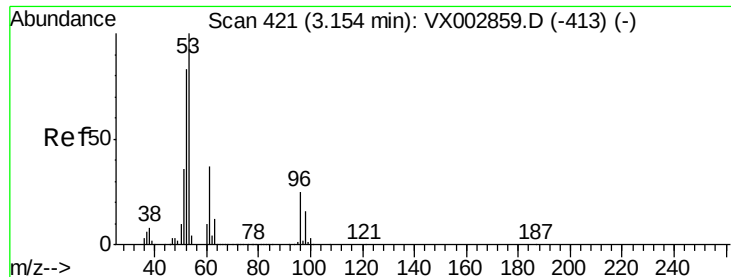
Ion Ratio Lower Upper

41 100

39 39.9 56.8 85.2#

76 0.0 23.8 35.8#





#15

Acrylonitrile

Concen: 6.29 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

S22-0040

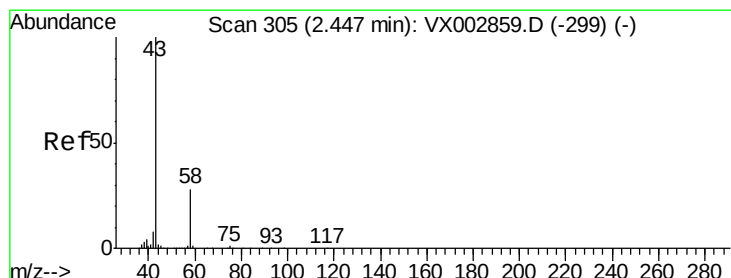
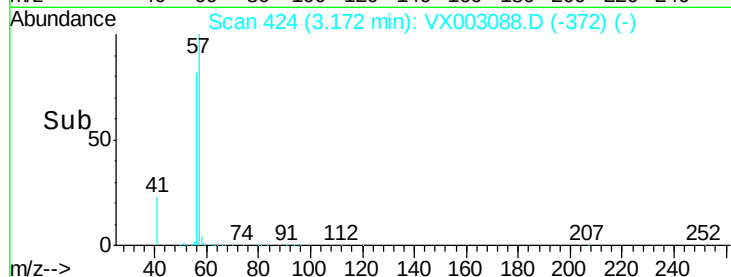
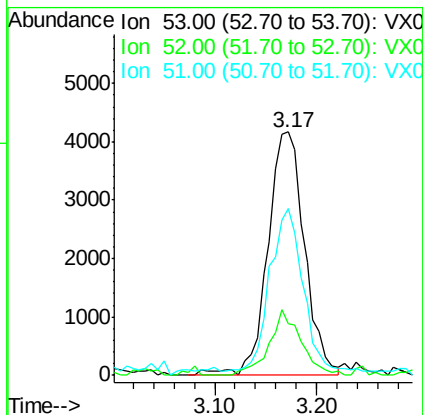
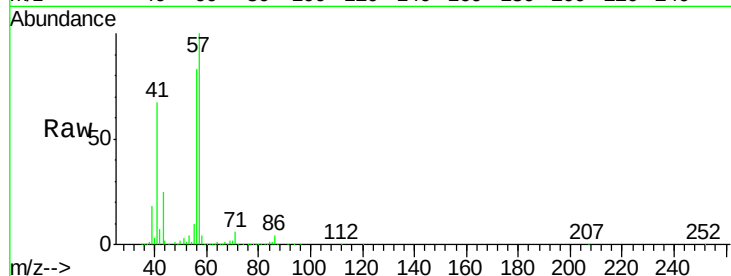
Tot Ion: 53 Resp: 10357

Ion Ratio Lower Upper

53 100

52 23.4 66.7 100.1#

51 59.6 29.9 44.9#



#16

Acetone

Concen: 6.70 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003088.D

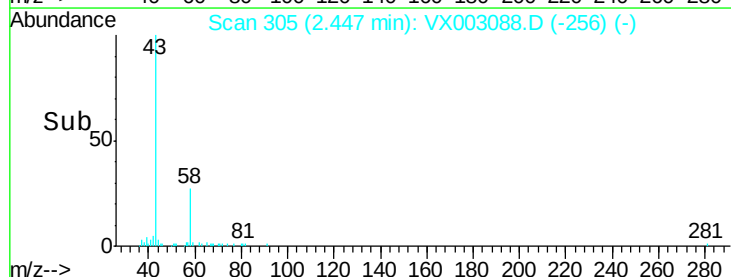
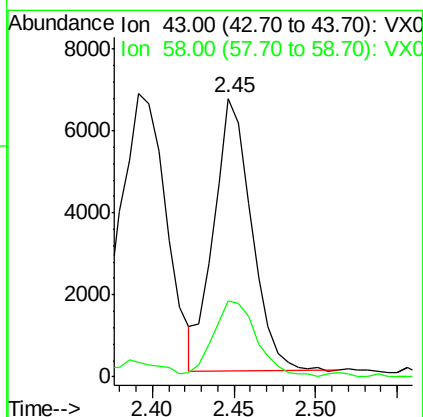
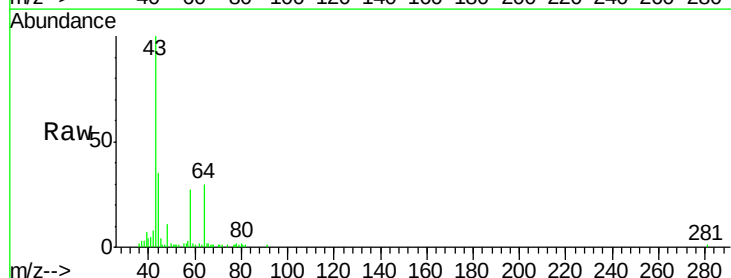
Acq: 30 Jun 2018 19:23

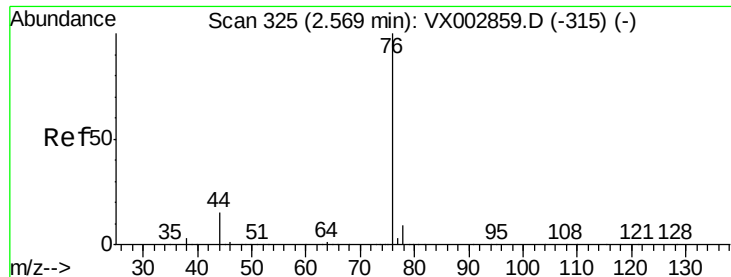
Tgt Ion: 43 Resp: 10749

Ion Ratio Lower Upper

43 100

58 26.5 22.1 33.1





#17

Carbon Disulfide

Concen: 0.49 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

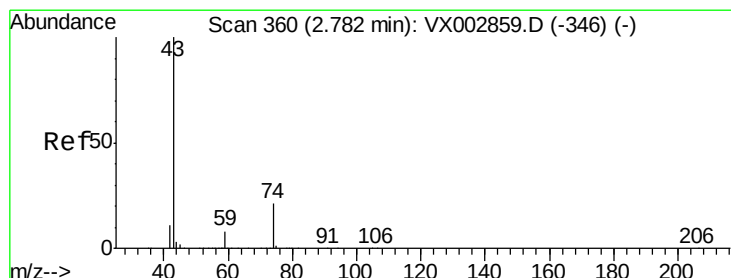
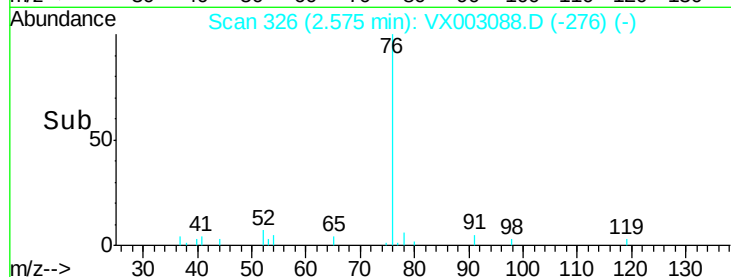
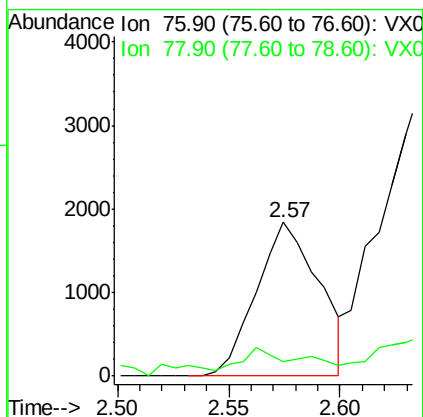
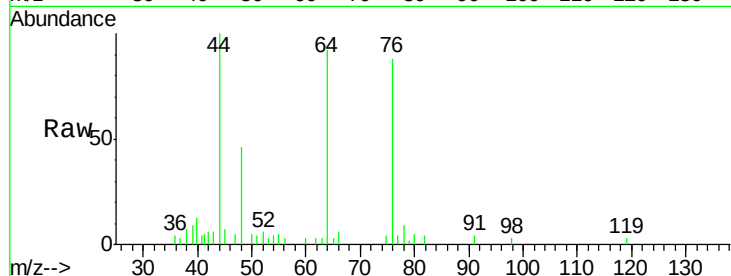
S22-0040

Tot Ion: 76 Resp: 3610

Ion Ratio Lower Upper

76 100

78 2.9 6.9 10.3#



#18

Methyl Acetate

Concen: 102.67 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.06 min

Lab File: VX003088.D

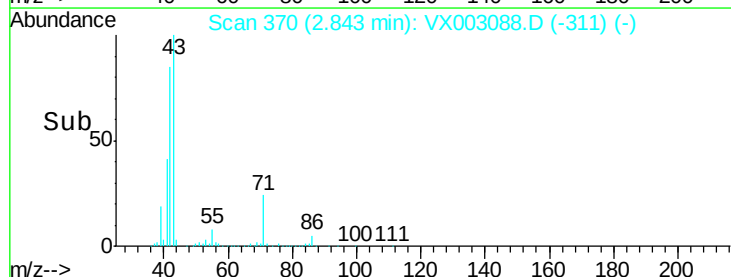
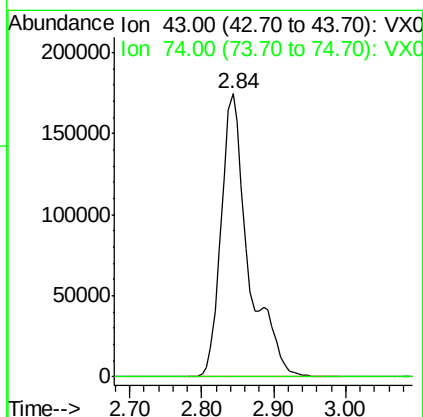
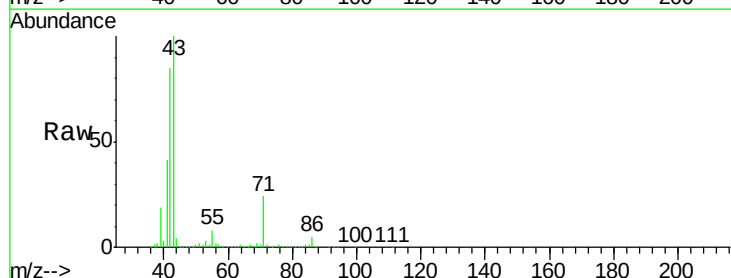
Acq: 30 Jun 2018 19:23

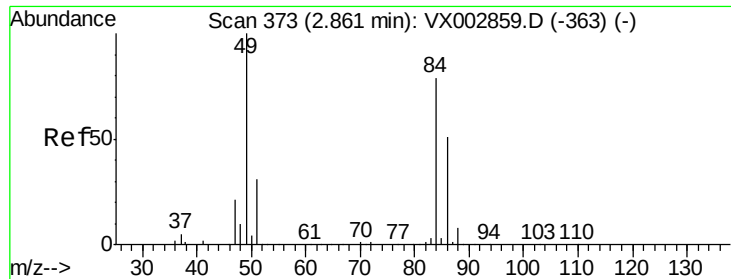
Tgt Ion: 43 Resp: 460277

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#





#20

Methylene Chloride

Concen: 1.06 ug/l

RT: 2.85 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

Tot Ion: 84 Resp: 3322

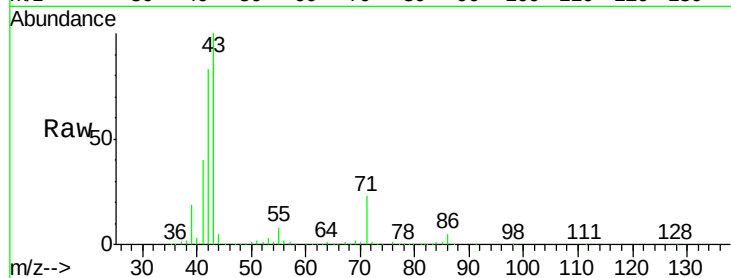
Ion Ratio Lower Upper

84 100

49 64.4 107.8 161.6#

51 257.6 32.8 49.2#

86 701.3 52.5 78.7#

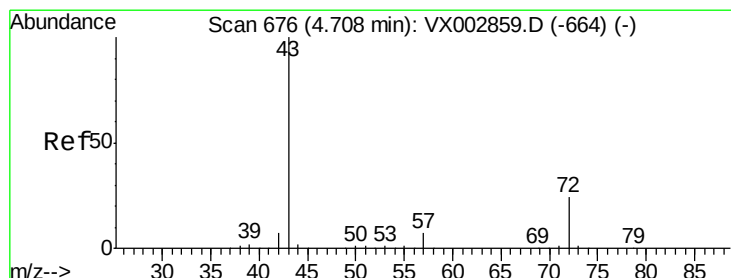
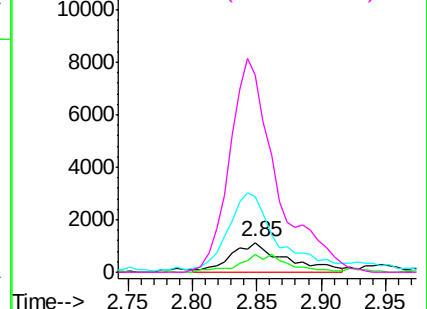
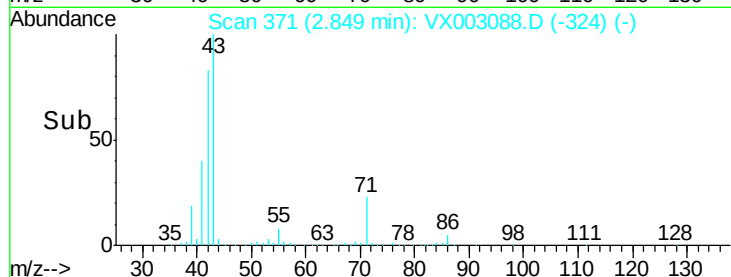


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 1.52 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003088.D

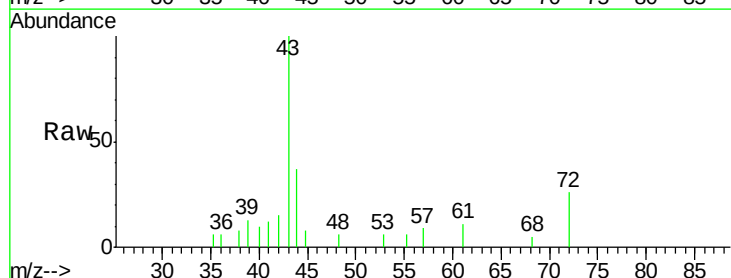
Acq: 30 Jun 2018 19:23

Tgt Ion: 43 Resp: 3610

Ion Ratio Lower Upper

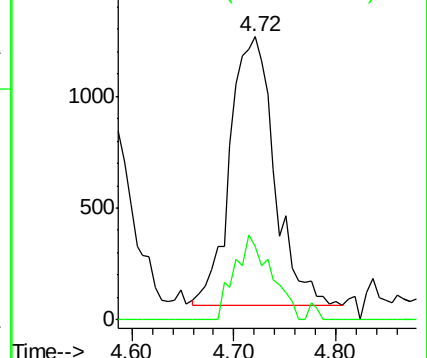
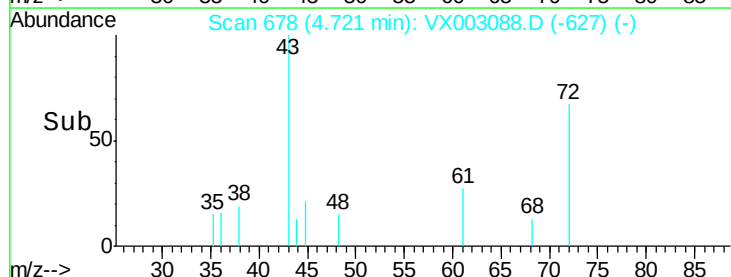
43 100

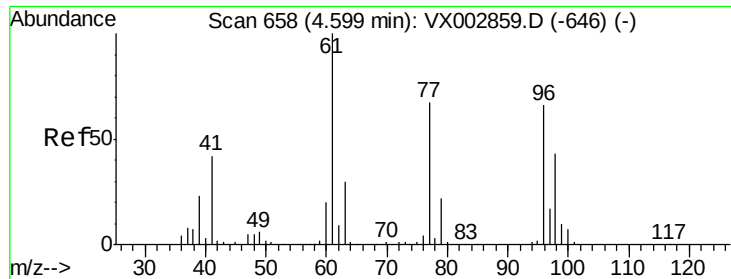
72 27.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



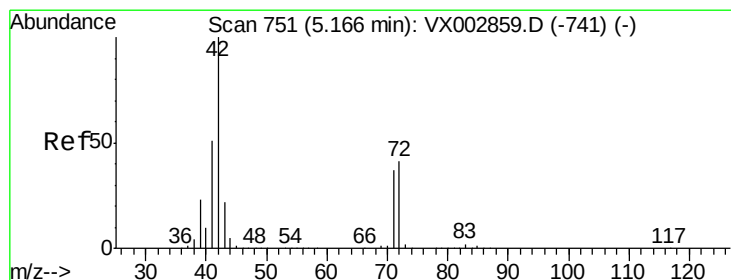
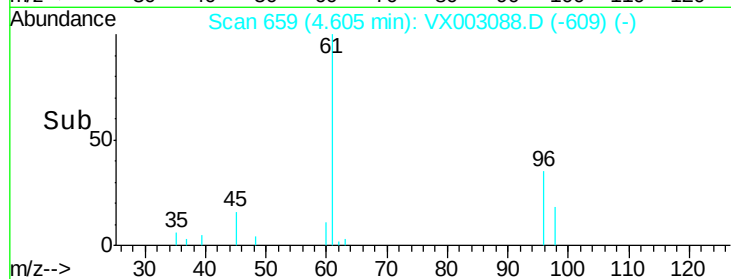
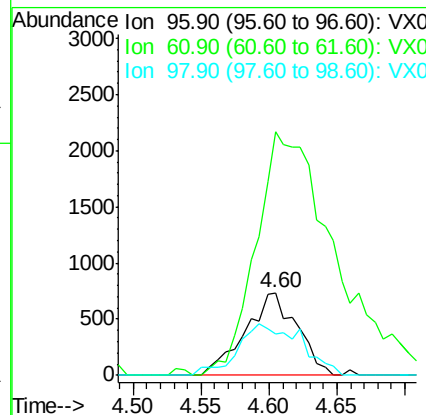
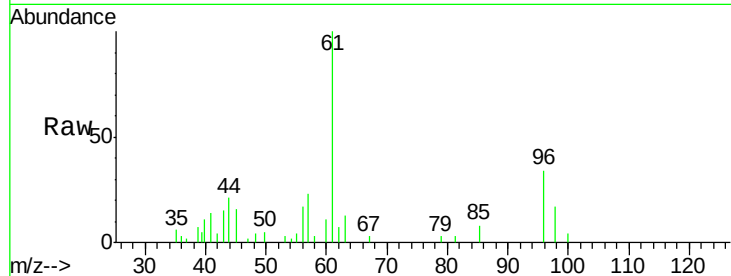


#27

cis-1,2-Dichloroethene
 Concen: 0.58 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0040

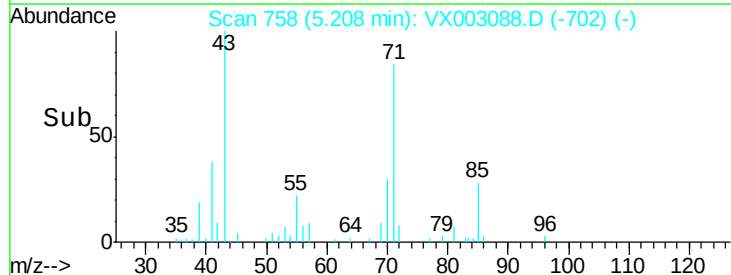
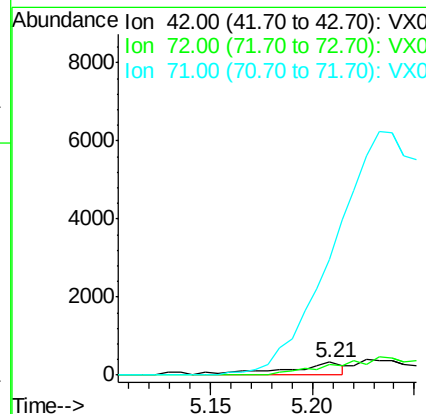
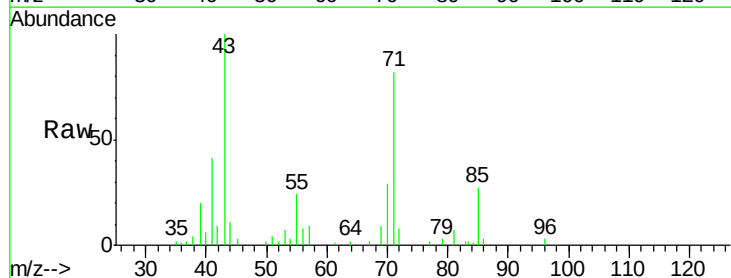
Tot Ion	Ratio	Lower	Upper
96	100		
61	447.1	0.0	330.2#
98	76.1	0.0	130.2

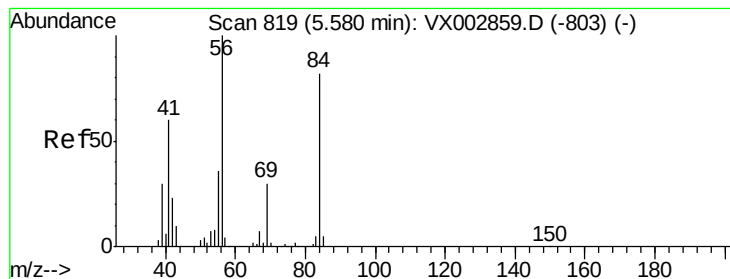


#29

Tetrahydrofuran
 Concen: 0.42 ug/l
 RT: 5.21 min Scan# 758
 Delta R.T. 0.04 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.0	48.0#
71	0.0	30.1	45.1#





#31

Cyclohexane

Concen: 8.04 ug/l

RT: 5.59 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

S22-0040

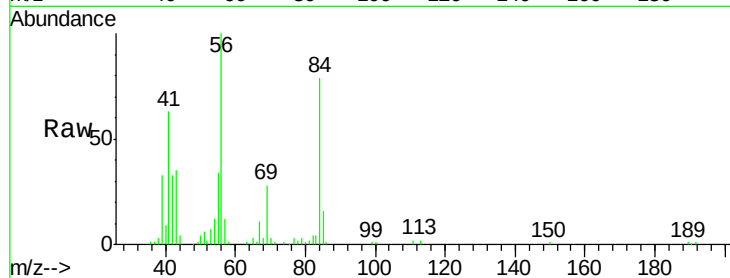
Tot Ion: 56 Resp: 39047

Ion Ratio Lower Upper

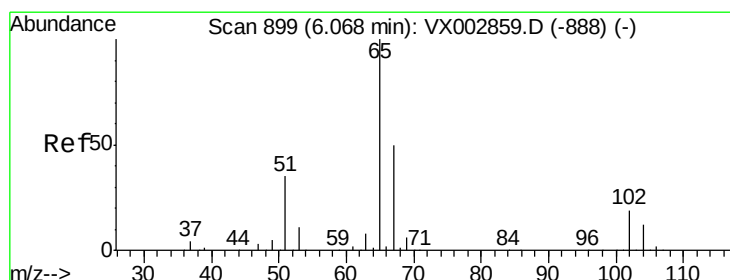
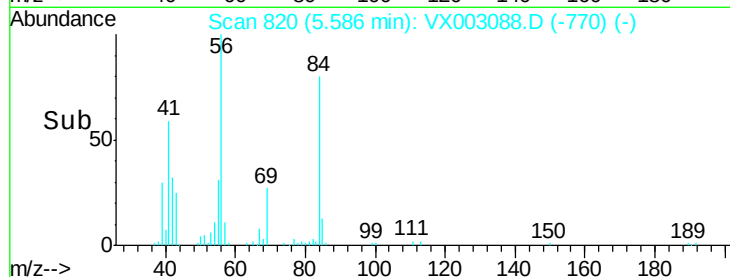
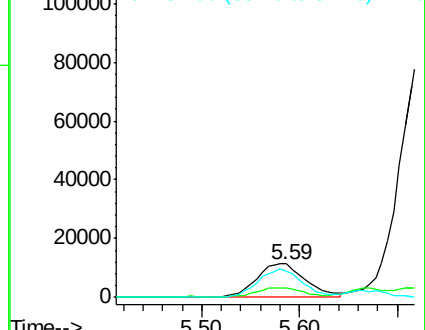
56 100

69 25.0 23.7 35.5

84 80.1 64.1 96.1



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



#33

1,2-Dichloroethane-d4

Concen: 46.20 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003088.D

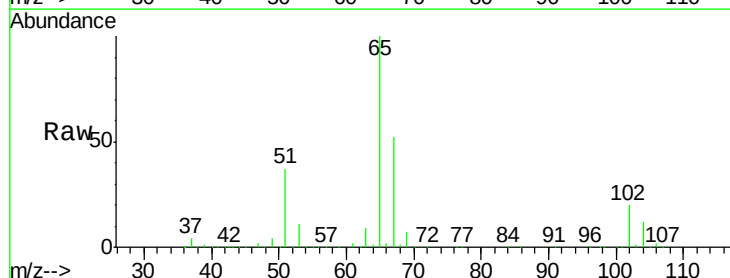
Acq: 30 Jun 2018 19:23

Tgt Ion: 65 Resp: 178877

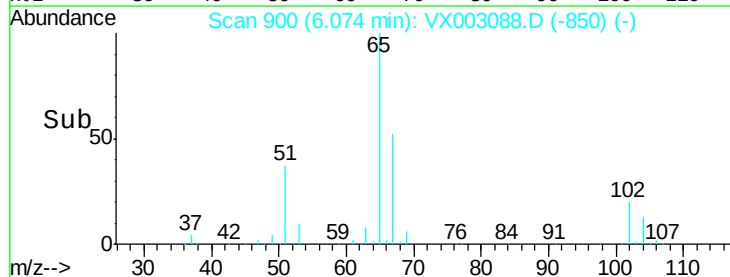
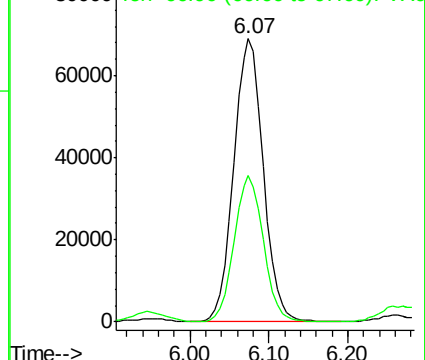
Ion Ratio Lower Upper

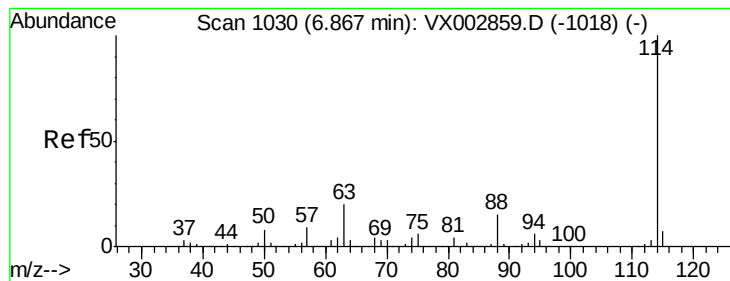
65 100

67 50.9 0.0 102.6



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

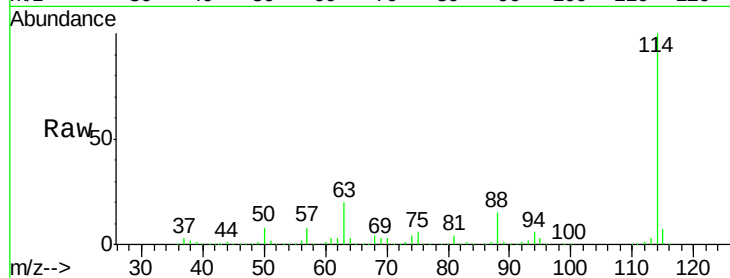
Tot Ion:114 Resp: 388136

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

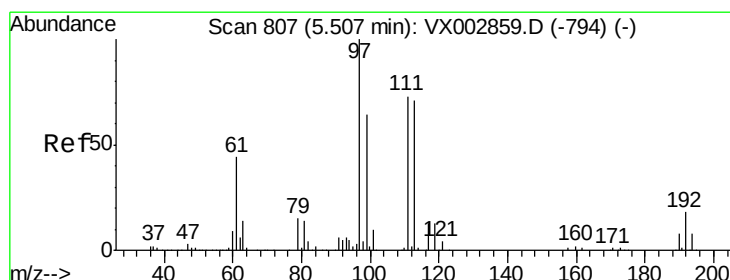
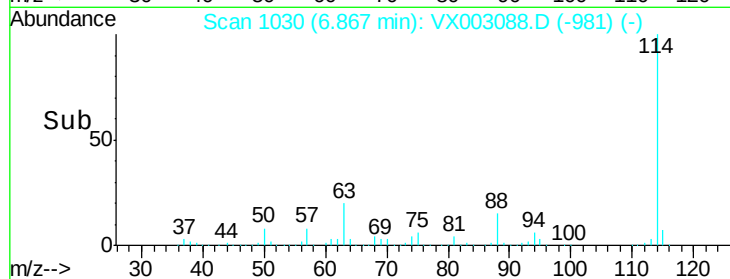
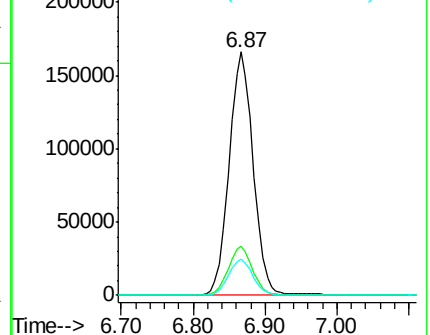
88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.79 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

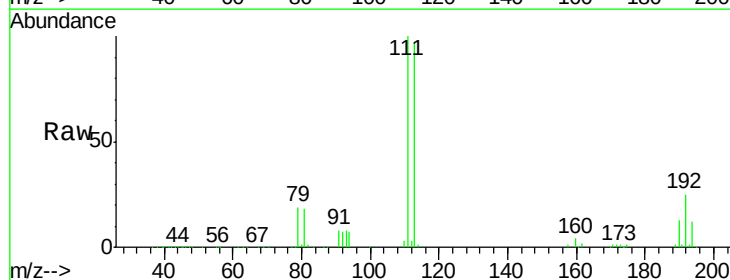
Tgt Ion:113 Resp: 146904

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

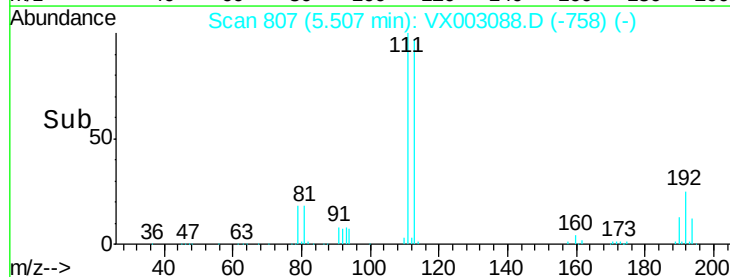
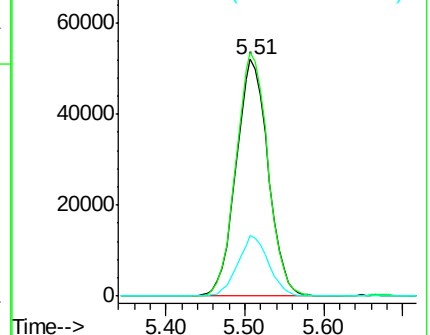
192 24.7 19.1 28.7

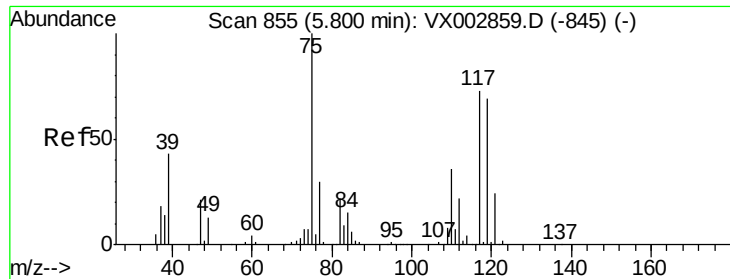


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

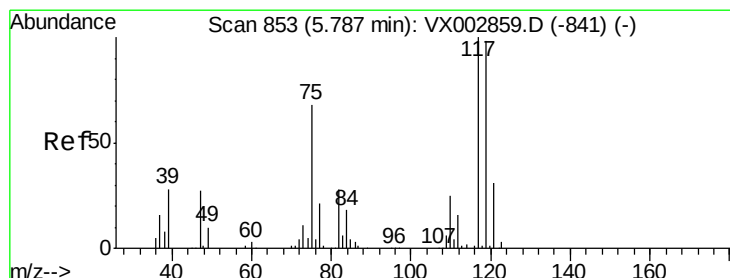
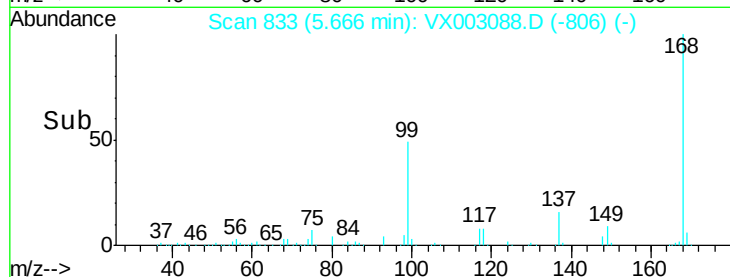
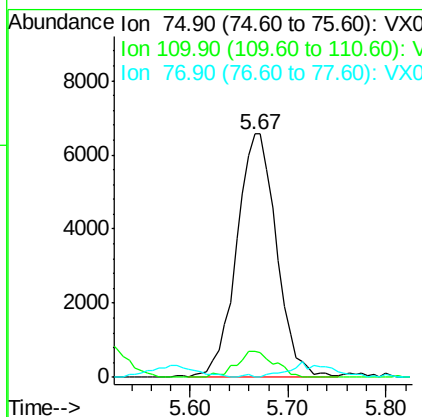
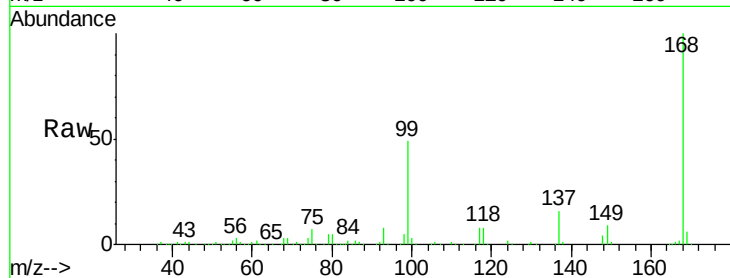




#36
 1,1-Dichloropropene
 Concen: 4.37 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

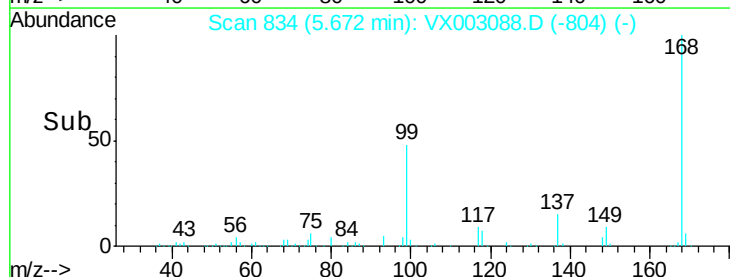
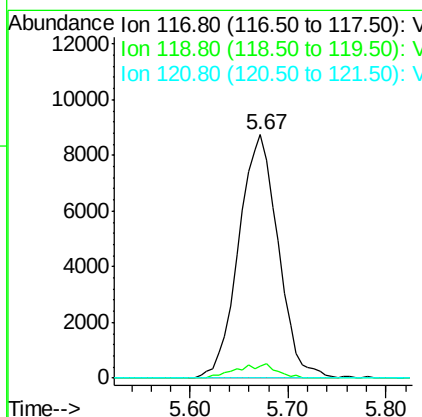
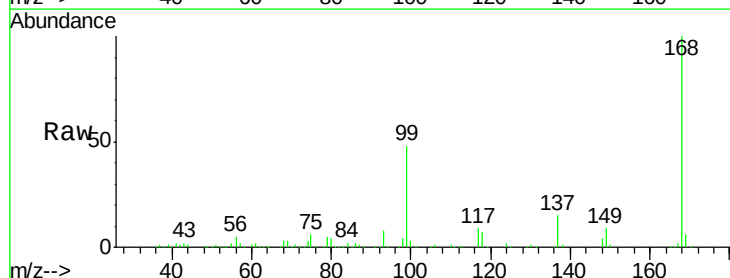
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0040

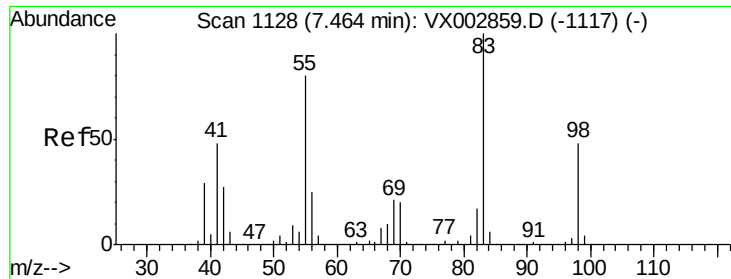
Tot Ion: 75 Resp: 18613
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.23 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

Tgt Ion: 117 Resp: 24449
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.4 116.0#
 121 0.0 24.4 36.6#

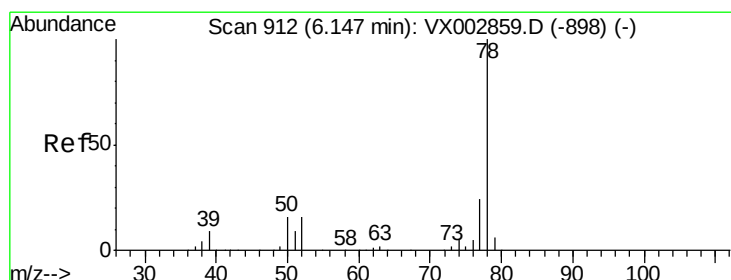
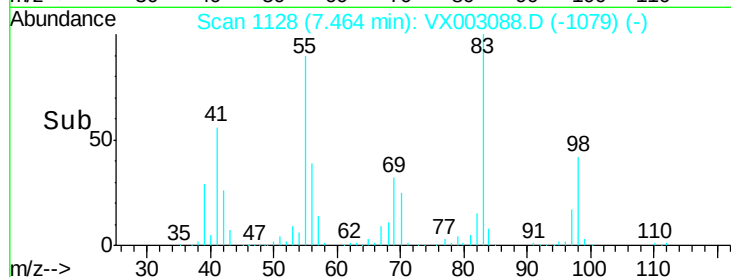
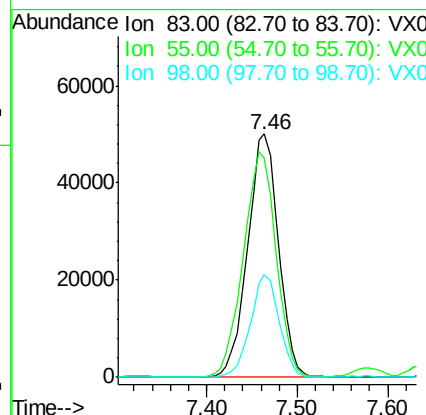
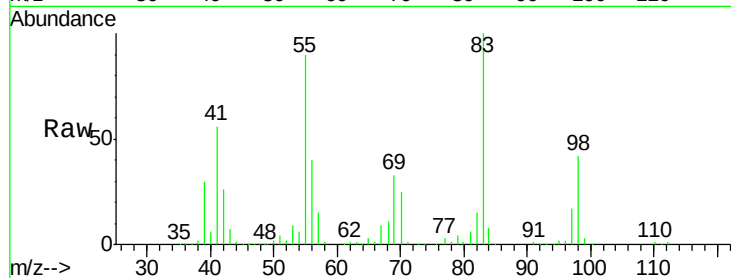




#39
Methylvlcyclohexane
Concen: 23.85 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

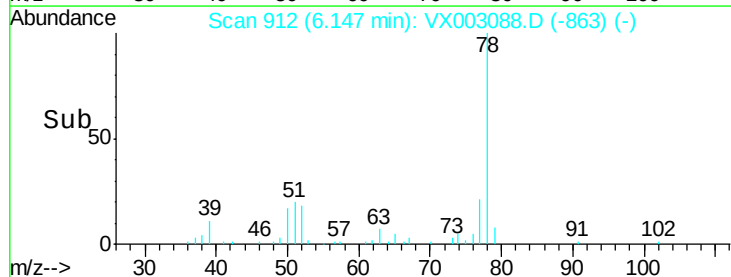
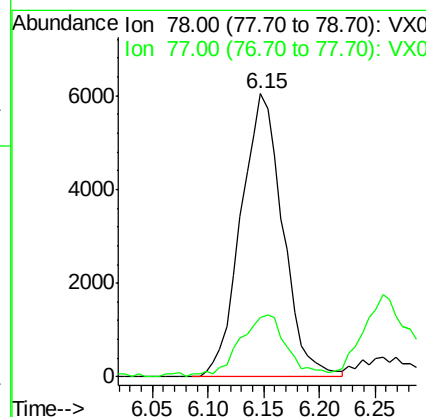
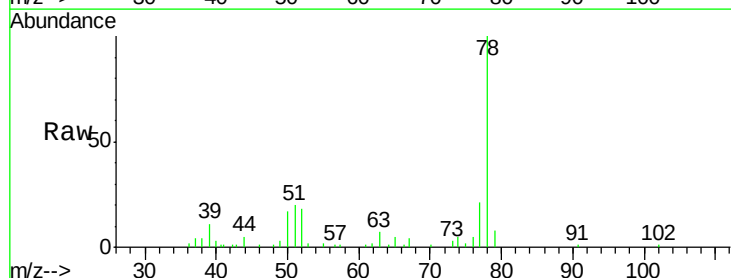
Instrument :
MSVOA_X
ClientSampleId :
S22-0040

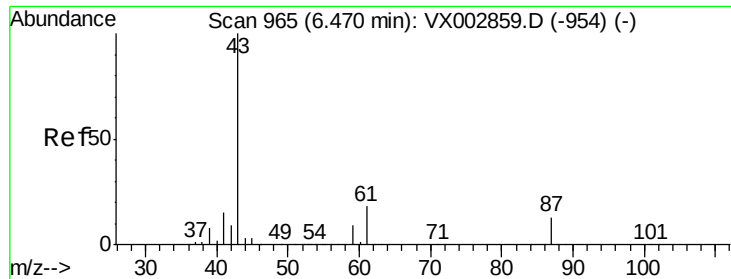
Tot Ion: 83 Resp: 118248
Ion Ratio Lower Upper
83 100
55 89.9 65.4 98.0
98 42.3 37.4 56.0



#40
Benzene
Concen: 1.28 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

Tgt Ion: 78 Resp: 15777
Ion Ratio Lower Upper
78 100
77 20.3 19.1 28.7





#43

Isopropyl Acetate

Concen: 0.40 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

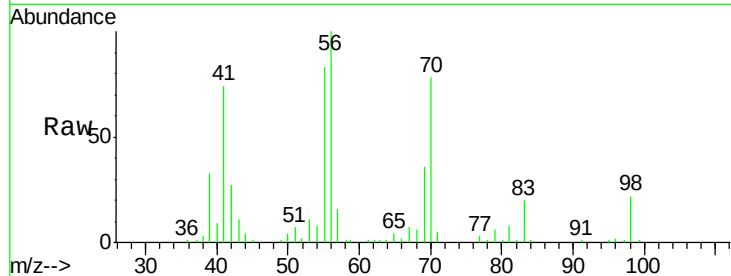
Tot Ion: 43 Resp: 3040

Ion Ratio Lower Upper

43 100

61 2.2 14.4 21.6#

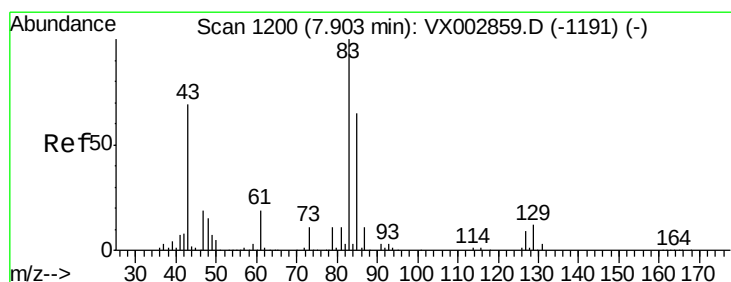
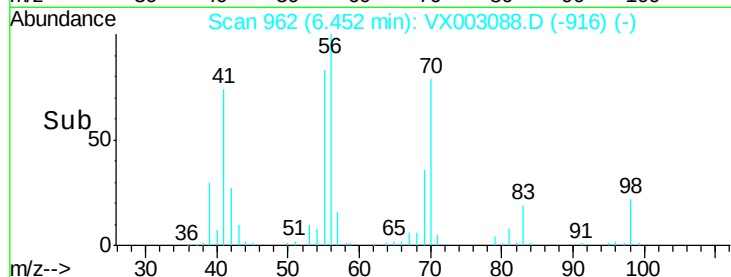
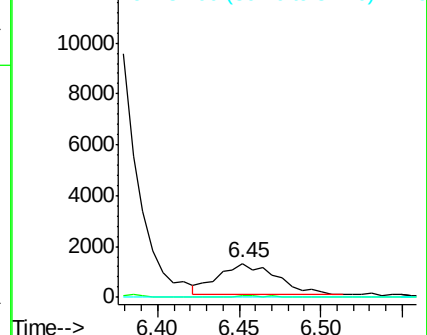
87 0.0 9.5 14.3#



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



#47

Bromodichloromethane

Concen: 0.20 ug/l

RT: 7.95 min Scan# 1207

Delta R.T. 0.04 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

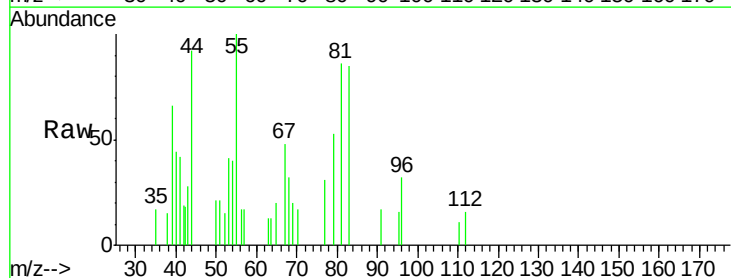
Tgt Ion: 83 Resp: 846

Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

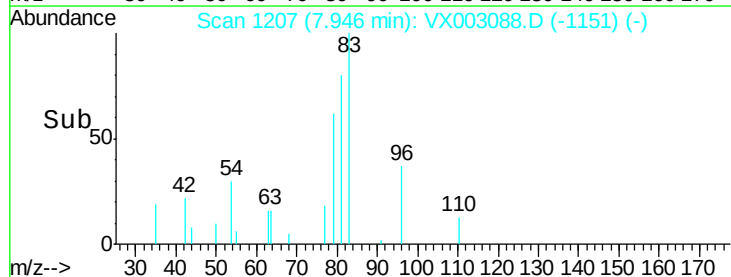
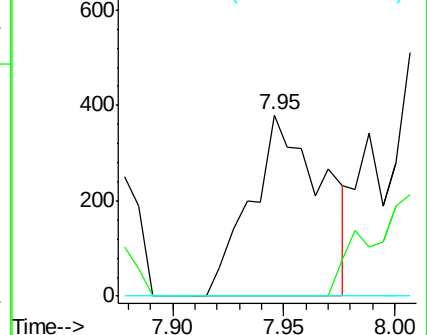
127 0.0 7.0 10.4#

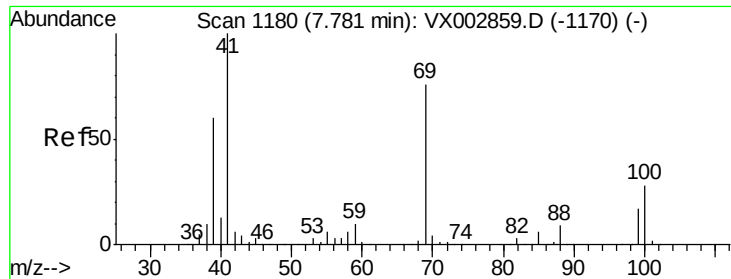


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

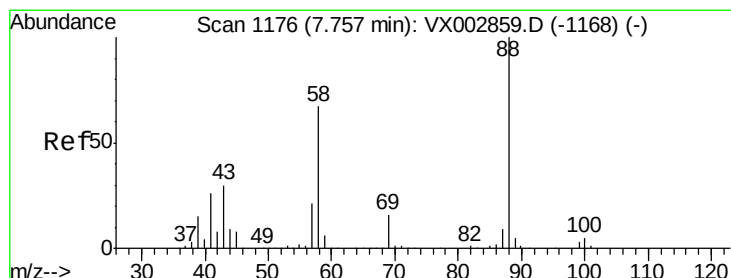
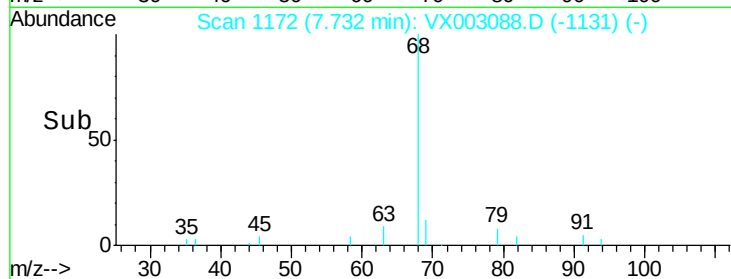
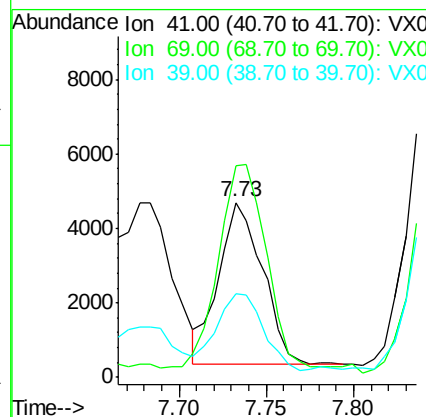
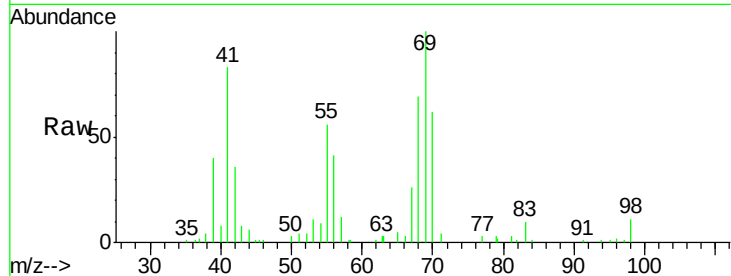




#48
Methvl methacrylate
Concen: 1.91 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

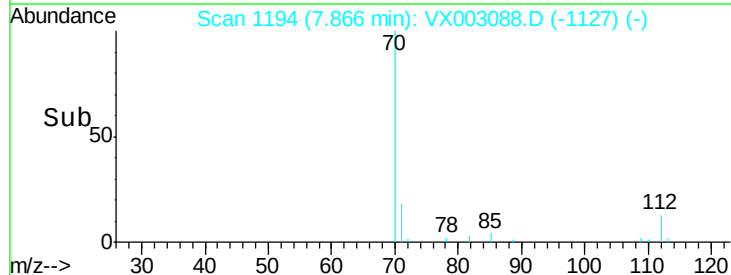
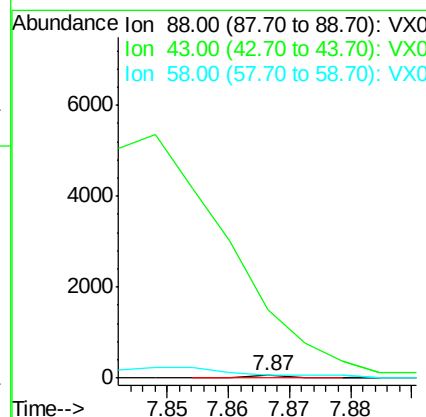
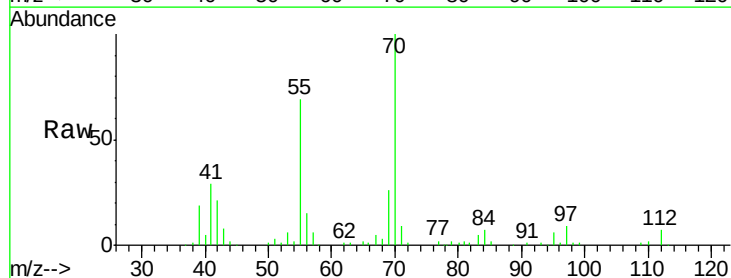
Instrument :
MSVOA_X
ClientSampleId :
S22-0040

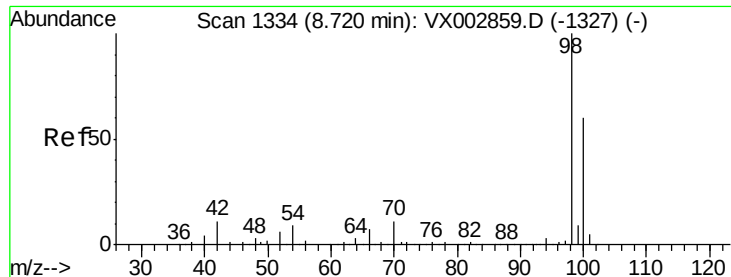
Tot Ion: 41 Resp: 7580
Ion Ratio Lower Upper
41 100
69 150.8 59.1 88.7#
39 49.6 48.9 73.3



#49
1,4-Dioxane
Concen: 0.30 ug/l
RT: 7.87 min Scan# 1194
Delta R.T. 0.11 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 48882.6 29.8 44.6#
58 2691.3 57.1 85.7#





#50

Toluene-d8

Concen: 48.83 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

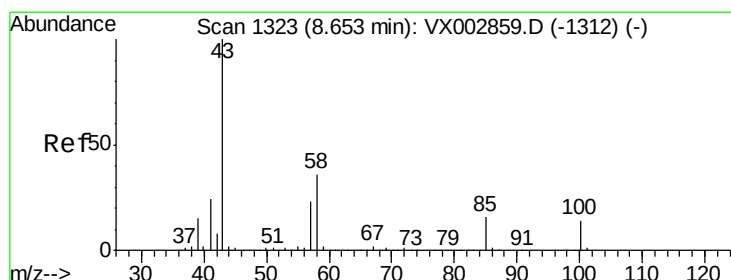
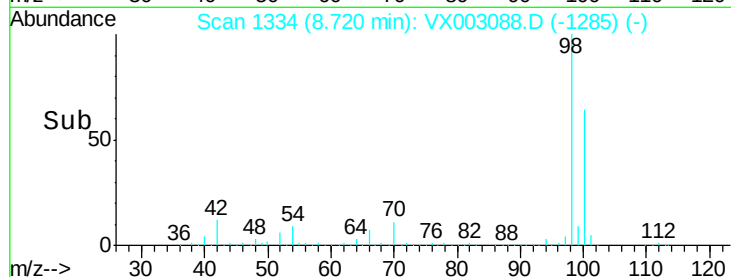
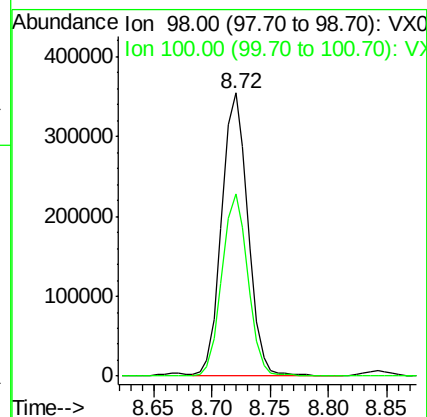
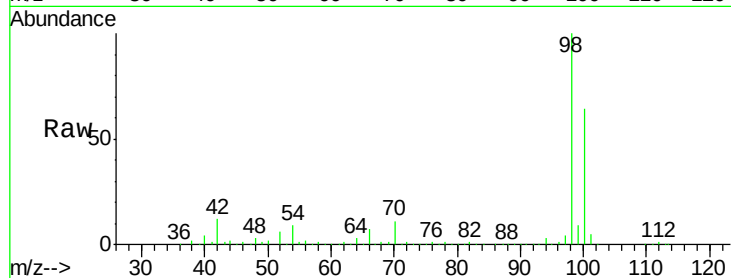
S22-0040

Tot Ion: 98 Resp: 548100

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 3.37 ug/l

RT: 8.67 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VX003088.D

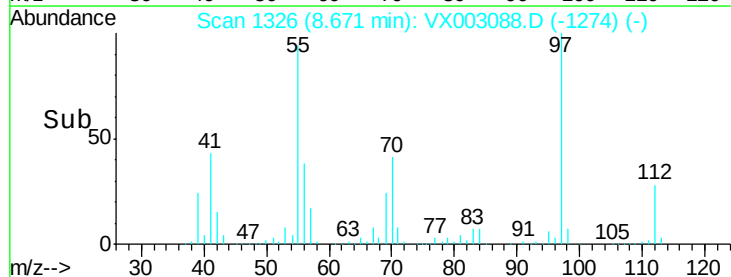
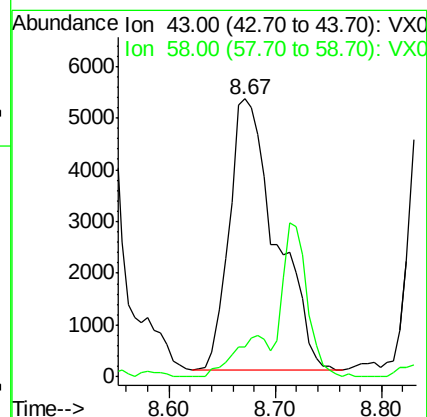
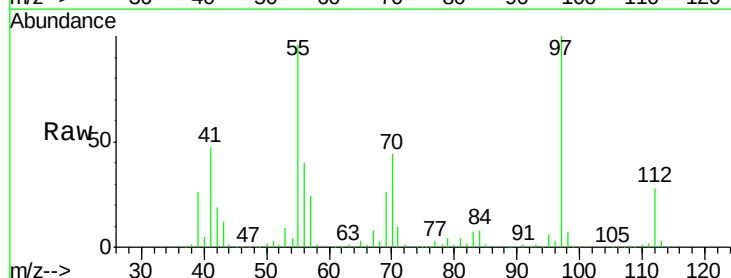
Acq: 30 Jun 2018 19:23

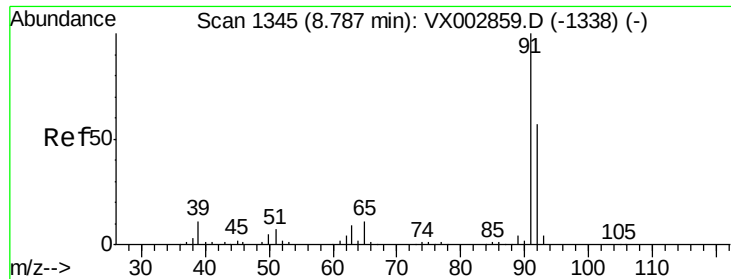
Tgt Ion: 43 Resp: 16222

Ion Ratio Lower Upper

43 100

58 11.3 28.6 42.8#





#52

Toluene

Concen: 0.24 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

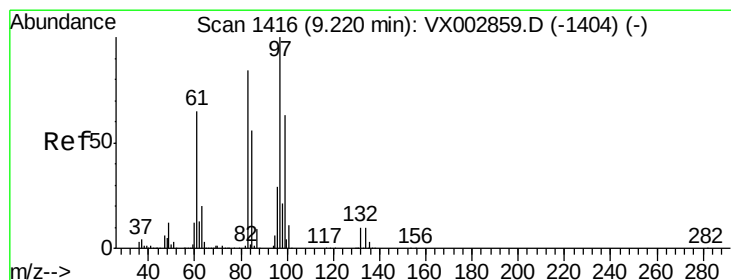
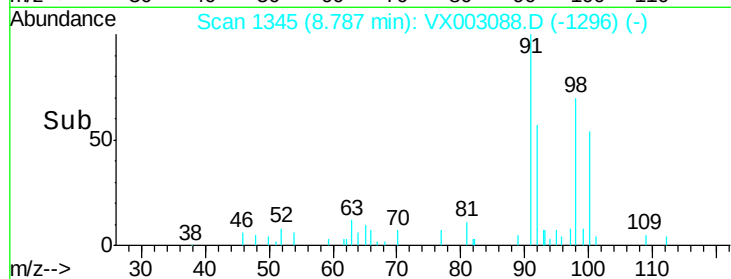
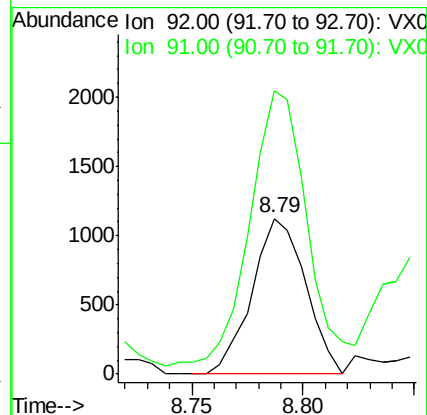
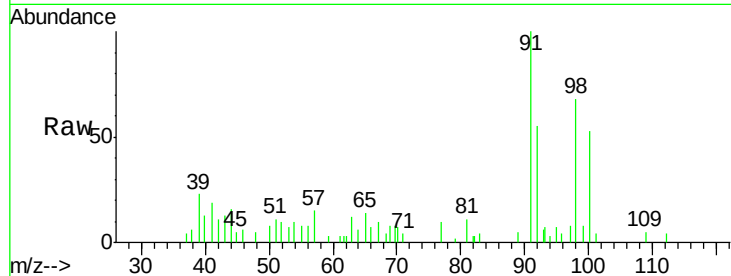
S22-0040

Tot Ion: 92 Resp: 1877

Ion Ratio Lower Upper

92 100

91 188.4 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 27.64 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Tgt Ion: 97 Resp: 89974

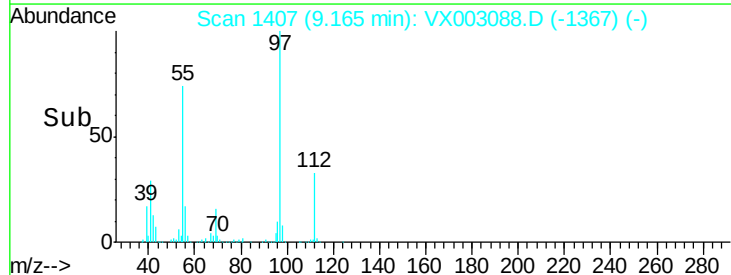
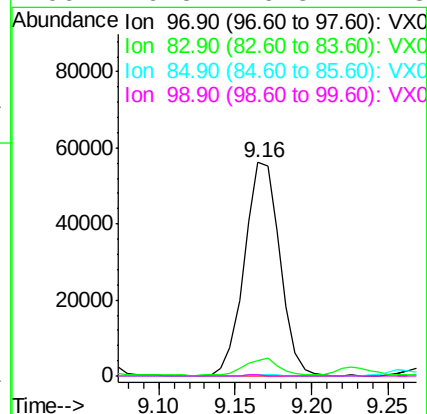
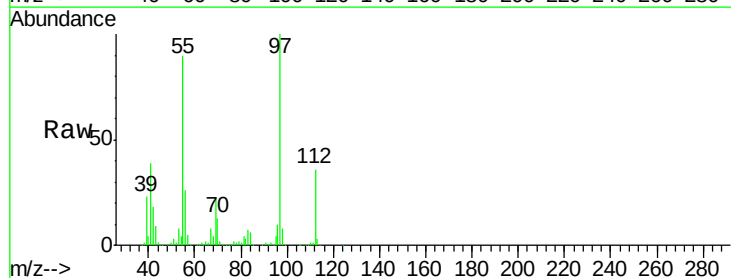
Ion Ratio Lower Upper

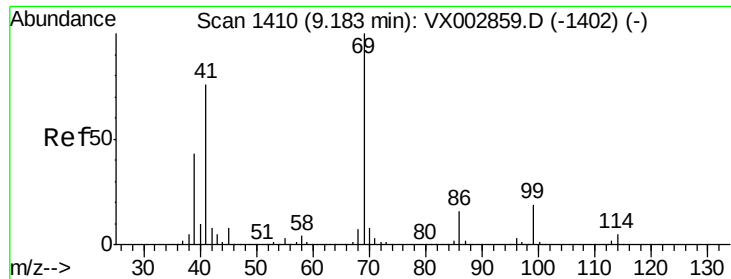
97 100

83 7.3 70.2 105.2#

85 0.4 44.9 67.3#

99 0.3 49.8 74.8#





#56

Ethyl methacrylate

Concen: 4.17 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

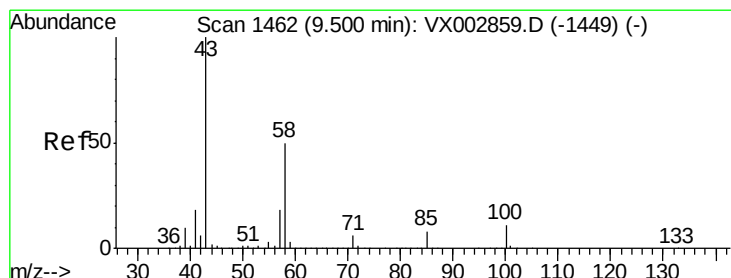
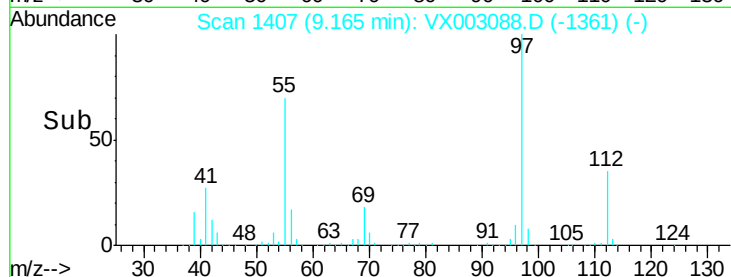
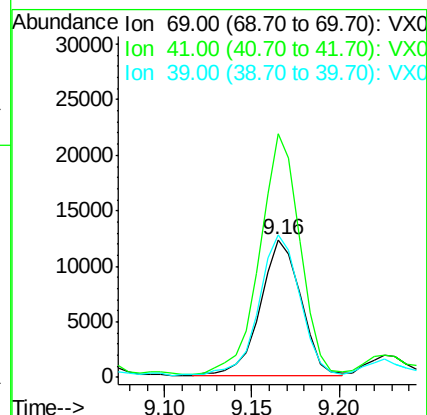
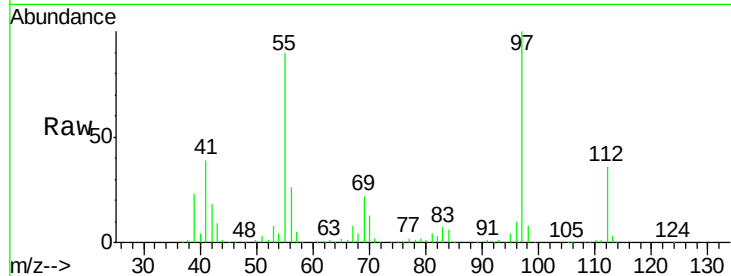
Tot Ion: 69 Resp: 19856

Ion Ratio Lower Upper

69 100

41 173.4 60.3 90.5#

39 102.1 35.8 53.8#



#59

2-Hexanone

Concen: 0.45 ug/l

RT: 9.52 min Scan# 1466

Delta R.T. 0.02 min

Lab File: VX003088.D

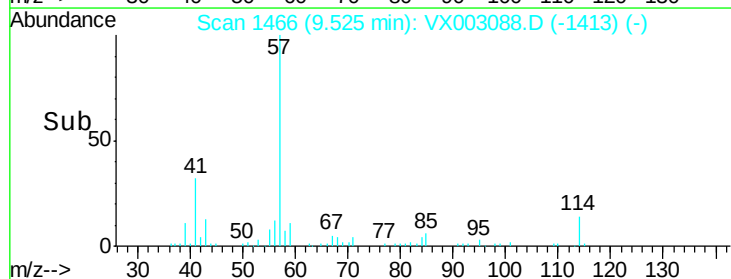
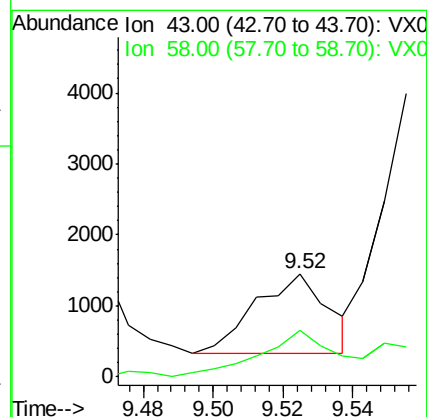
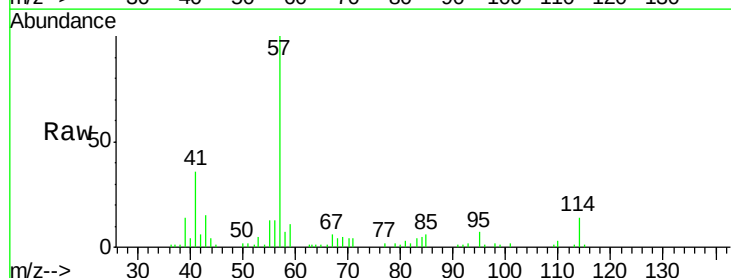
Acq: 30 Jun 2018 19:23

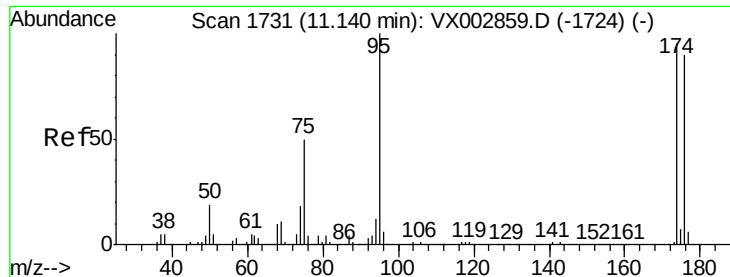
Tgt Ion: 43 Resp: 1648

Ion Ratio Lower Upper

43 100

58 60.4 24.6 73.6





#62

4-Bromofluorobenzene

Concen: 47.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

S22-0040

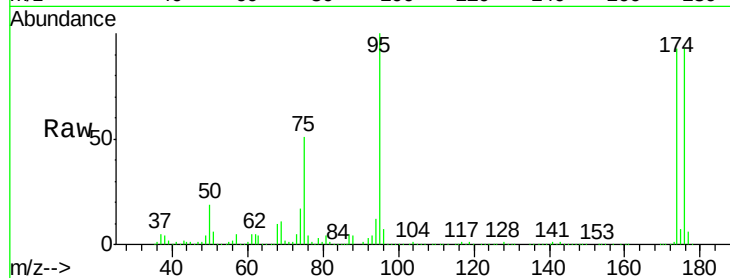
Tot Ion: 95 Resp: 205340

Ion Ratio Lower Upper

95 100

174 97.4 0.0 187.4

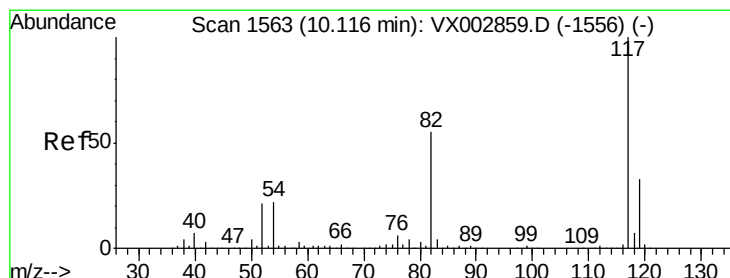
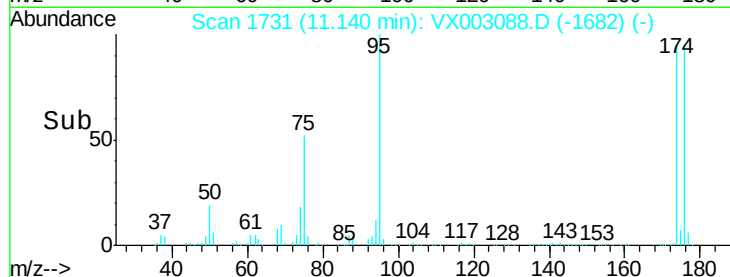
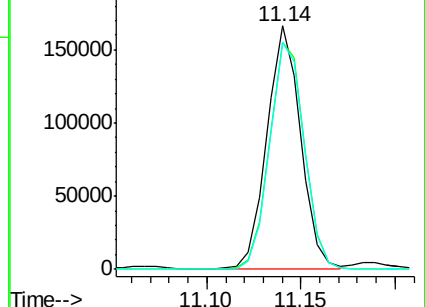
176 95.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

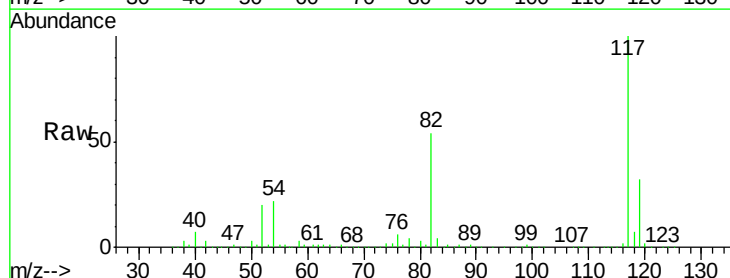
Tgt Ion: 117 Resp: 364075

Ion Ratio Lower Upper

117 100

82 53.8 45.0 67.4

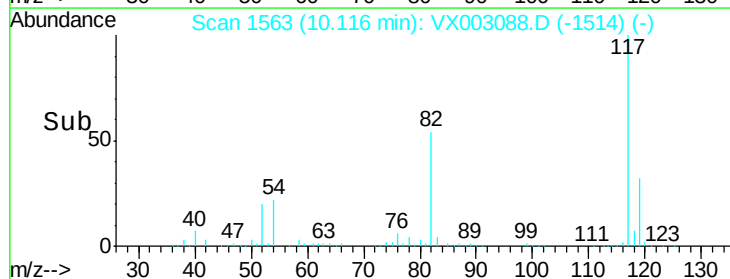
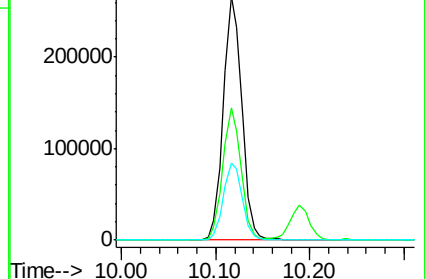
119 31.7 25.8 38.6

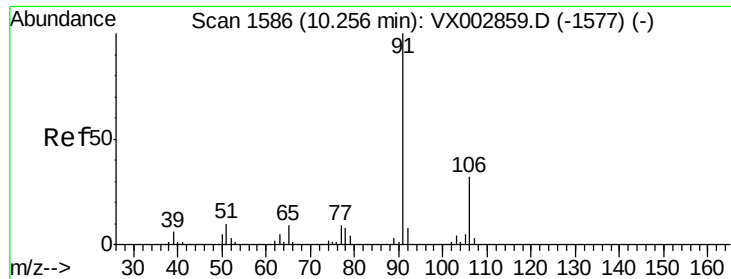


Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

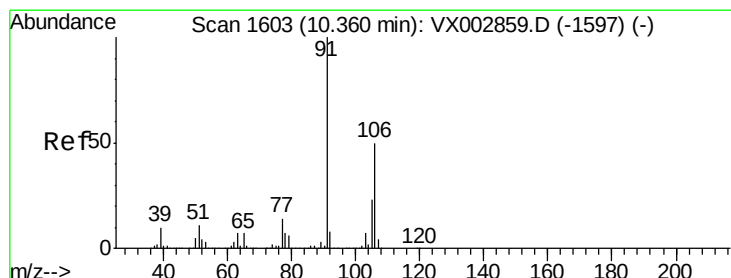
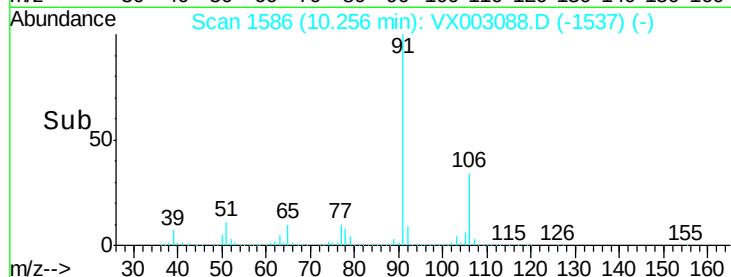
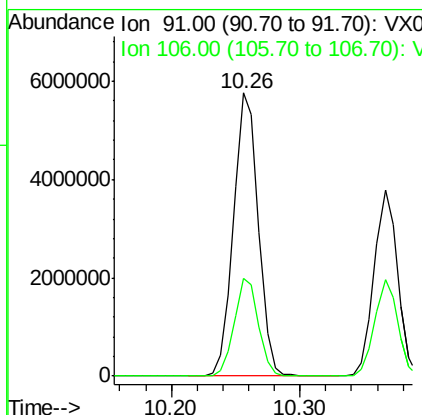
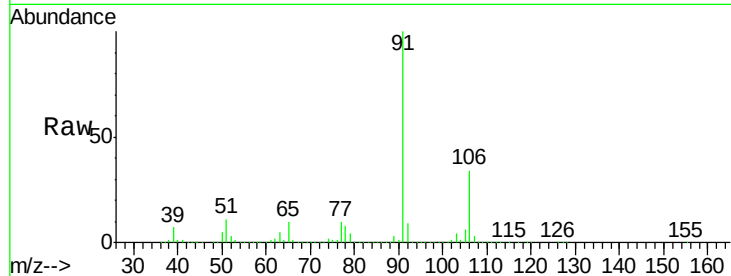




#67
Ethyl Benzene
Concen: 507.64 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

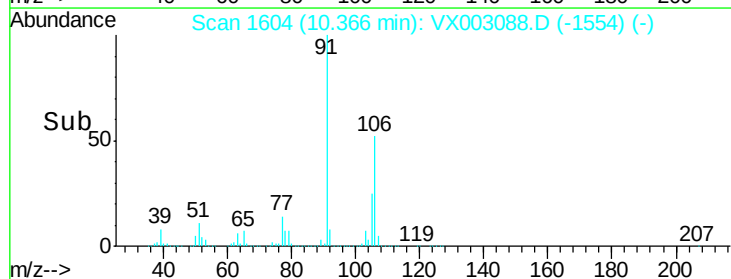
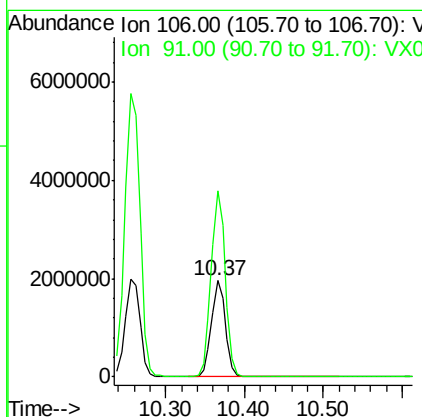
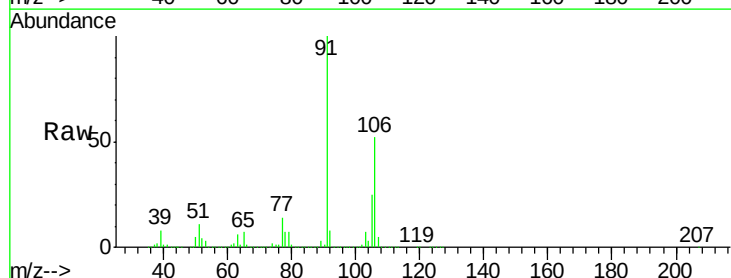
Instrument :
MSVOA_X
ClientSampled :
S22-0040

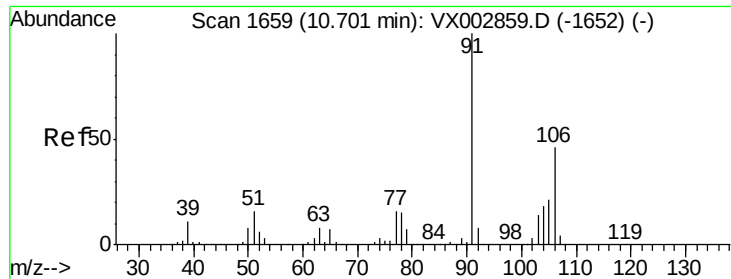
Tot Ion: 91 Resp: 7754789
Ion Ratio Lower Upper
91 100
106 34.4 25.5 38.3



#68
m/p-Xylenes
Concen: 410.60 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

Tgt Ion: 106 Resp: 2417349
Ion Ratio Lower Upper
106 100
91 196.2 163.4 245.2

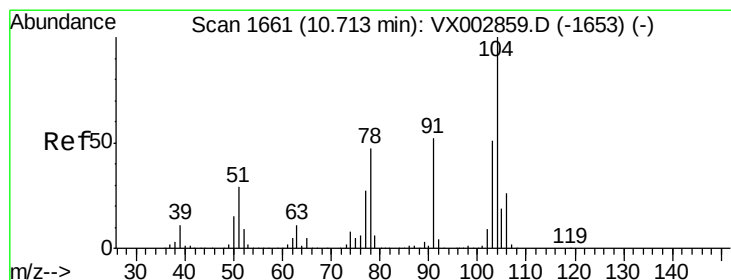
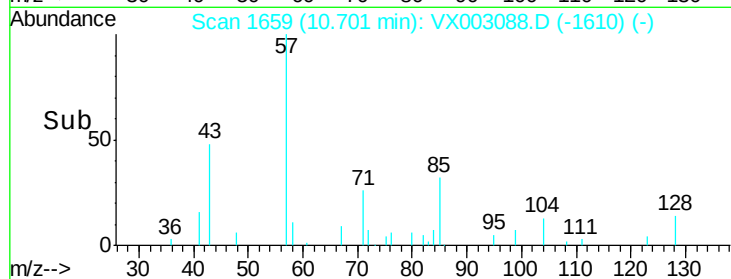
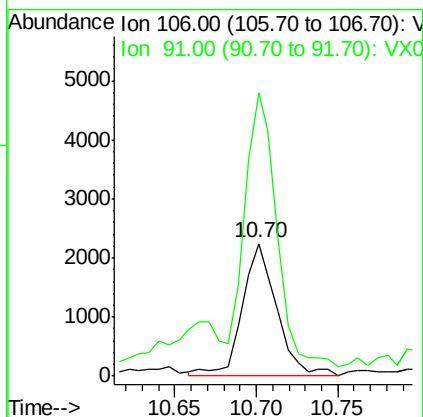
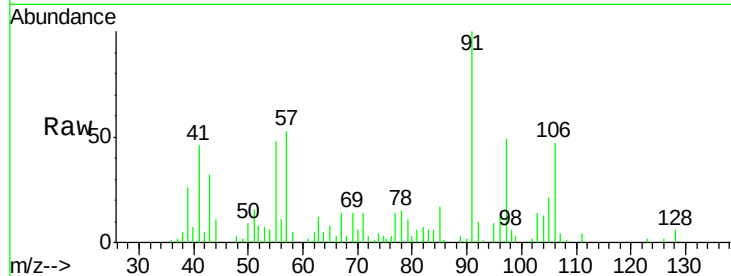




#69
o-Xylene
Concen: 0.58 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

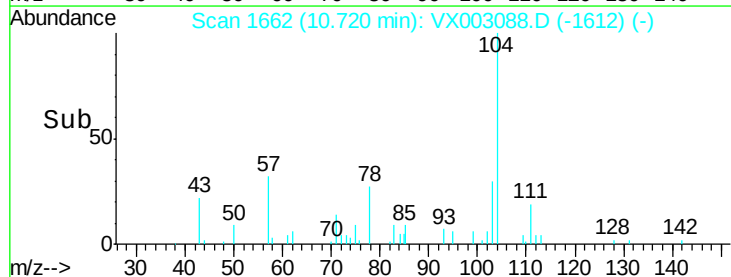
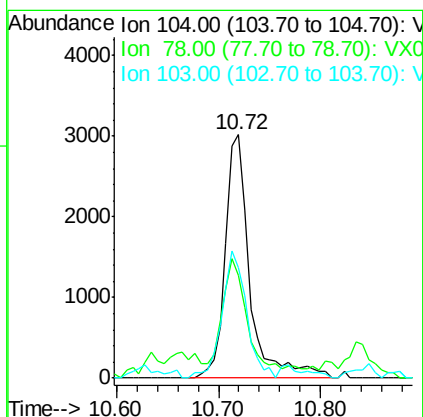
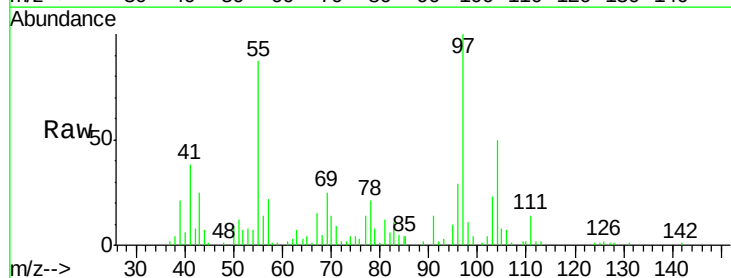
Instrument :
MSVOA_X
ClientSampled :
S22-0040

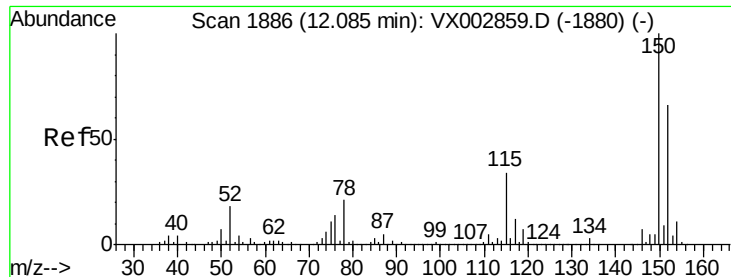
Tot Ion:106 Resp: 3313
Ion Ratio Lower Upper
106 100
91 186.9 108.2 324.6



#70
Styrene
Concen: 0.54 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.01 min
Lab File: VX003088.D
Acq: 30 Jun 2018 19:23

Tgt Ion:104 Resp: 5014
Ion Ratio Lower Upper
104 100
78 42.9 41.0 61.6
103 52.3 44.2 66.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

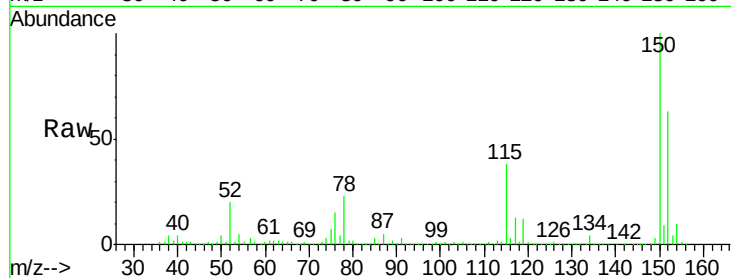
Tot Ion:152 Resp: 225931

Ion Ratio Lower Upper

152 100

115 62.0 40.1 120.2

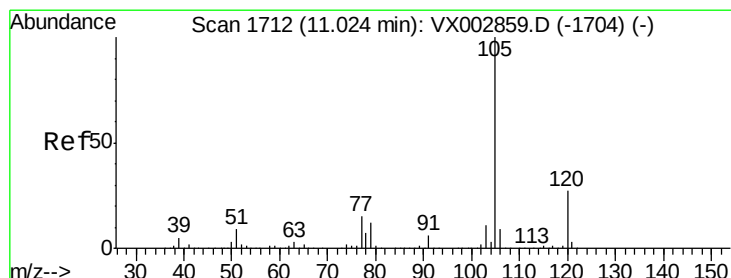
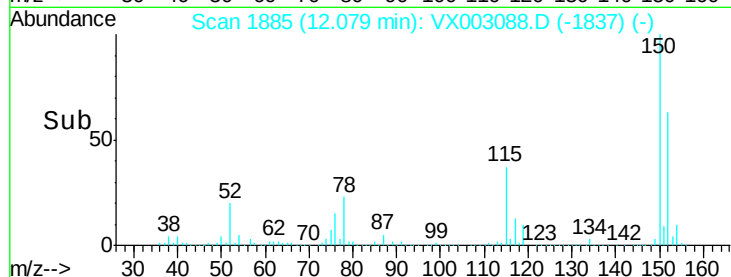
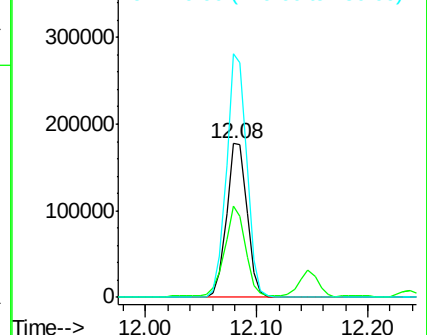
150 155.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 104.22 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX003088.D

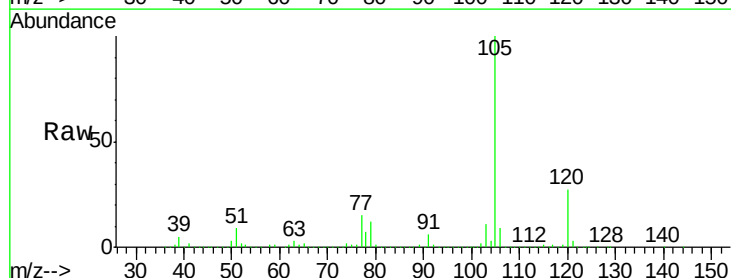
Acq: 30 Jun 2018 19:23

Tgt Ion:105 Resp: 1583966

Ion Ratio Lower Upper

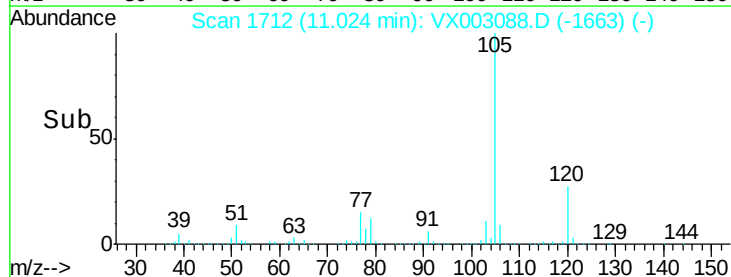
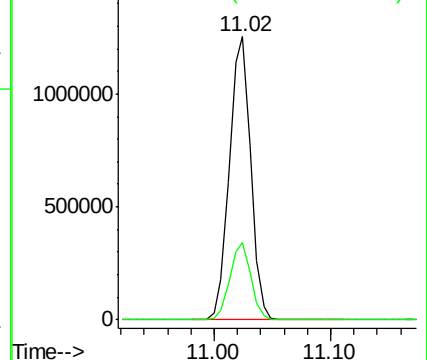
105 100

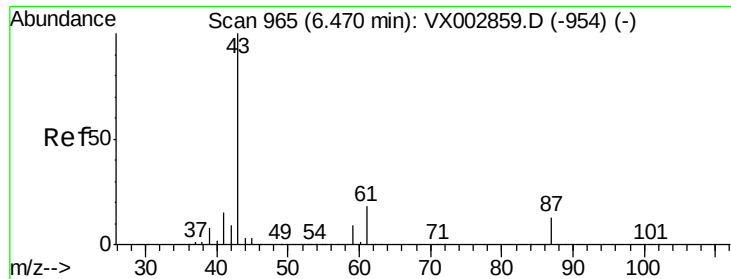
120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.41 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

Tot Ion: 43 Resp: 3040

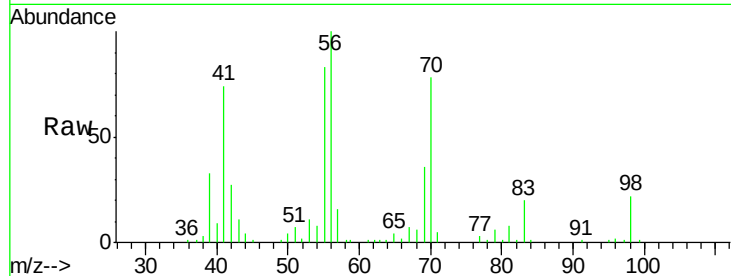
Ion Ratio Lower Upper

43 100

70 823.7 0.0 0.0#

55 867.0 0.0 0.0#

61 2.2 14.4 21.6#

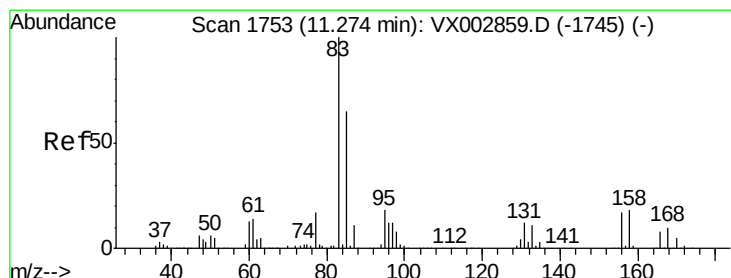
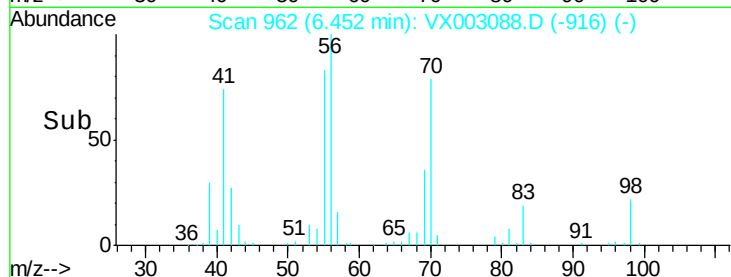
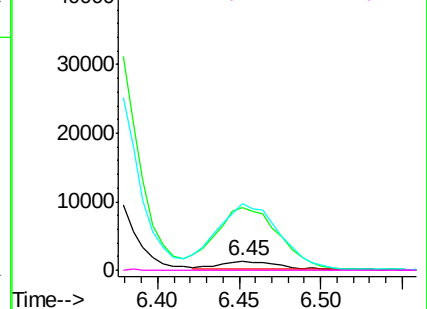


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.92 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

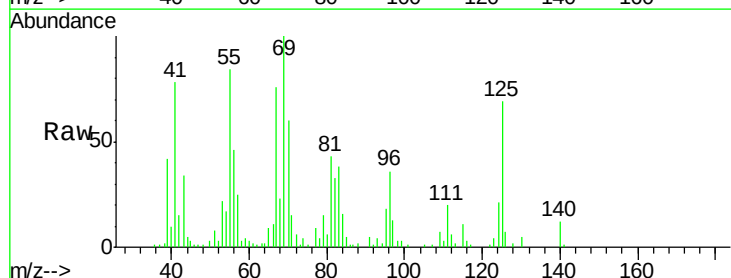
Tgt Ion: 83 Resp: 4293

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

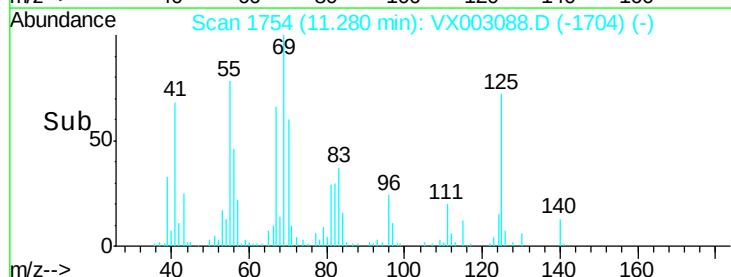
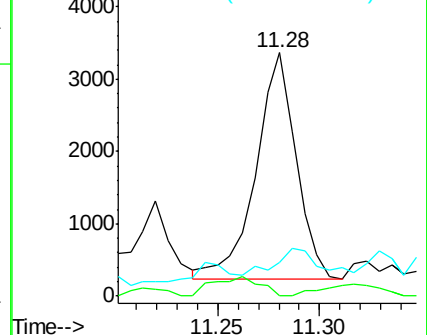
85 23.1 32.4 97.2#

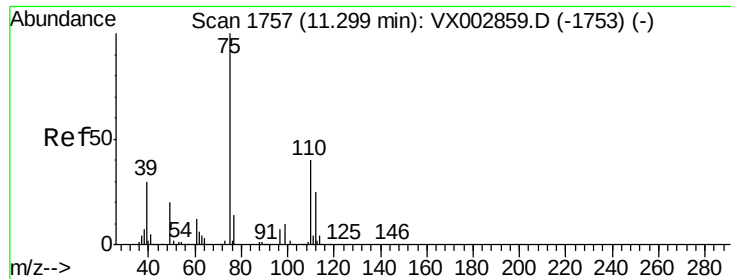


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 2.40 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.07 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

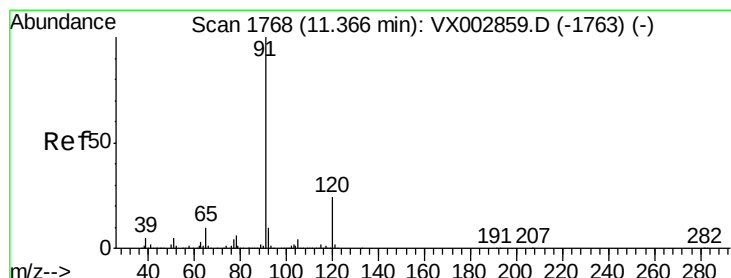
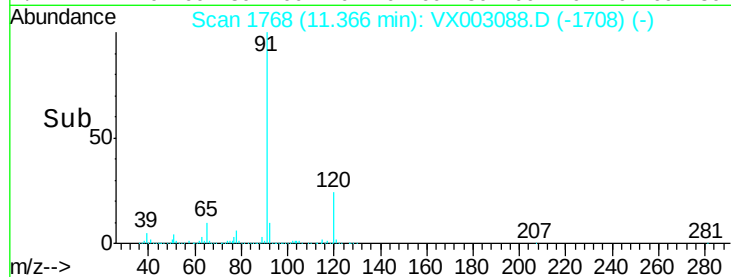
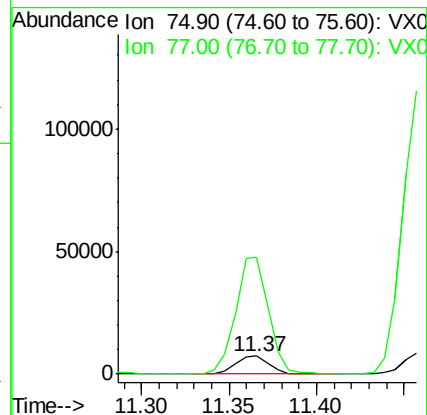
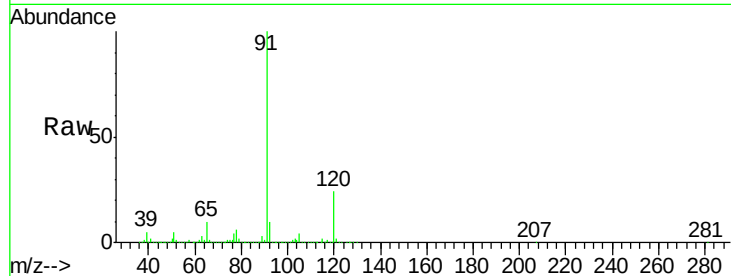
S22-0040

Tot Ion: 75 Resp: 9828

Ion Ratio Lower Upper

75 100

77 623.1 22.8 68.3#



#78

n-propylbenzene

Concen: 88.63 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003088.D

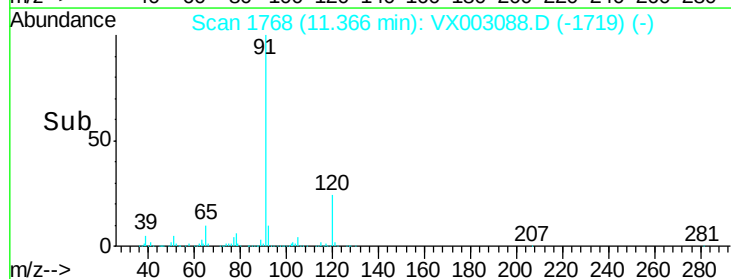
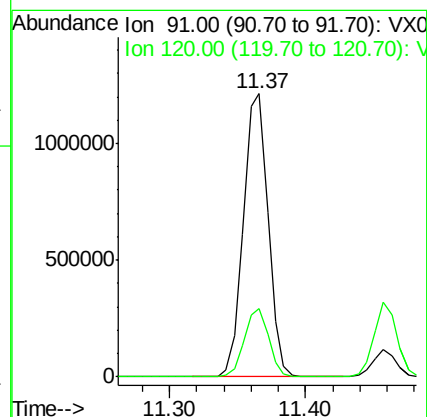
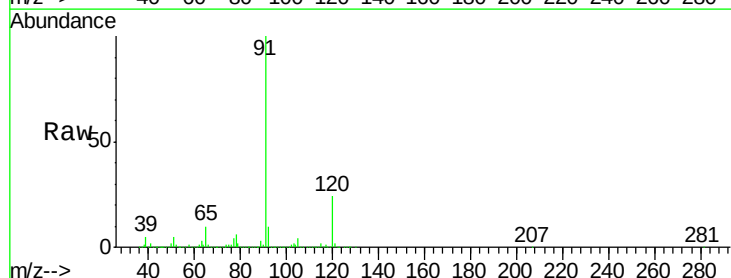
Acq: 30 Jun 2018 19:23

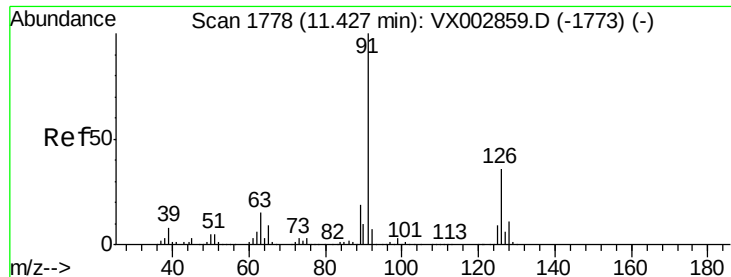
Tgt Ion: 91 Resp: 1533364

Ion Ratio Lower Upper

91 100

120 23.8 11.8 35.4





#79

2-Chlorotoluene

Concen: 13.06 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

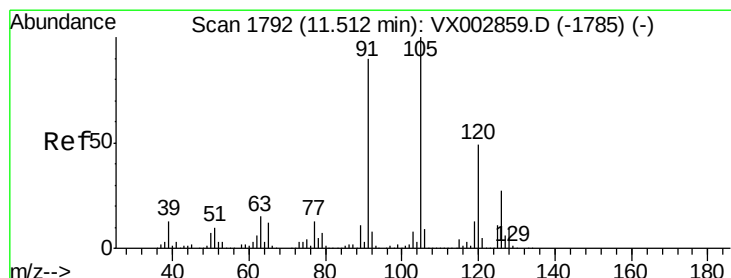
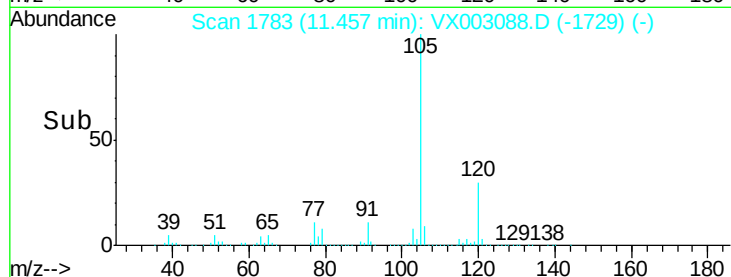
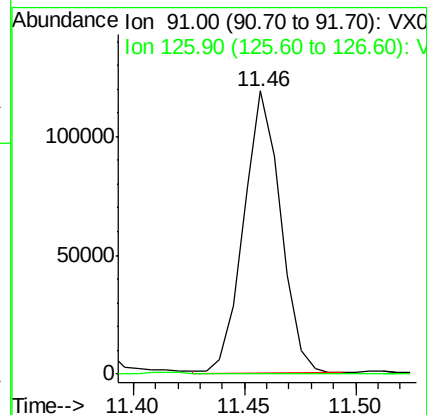
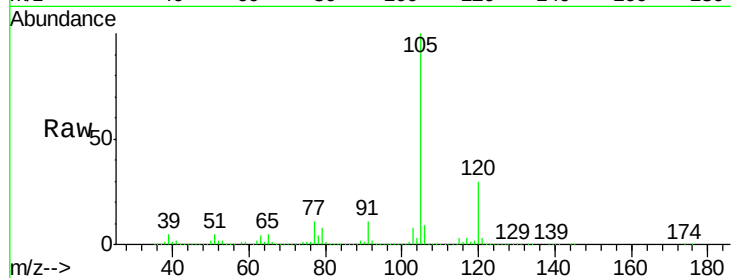
S22-0040

Tot Ion: 91 Resp: 136772

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



#80

1,3,5-Trimethylbenzene

Concen: 96.16 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX003088.D

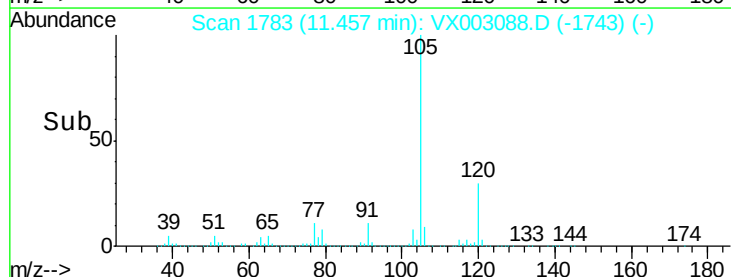
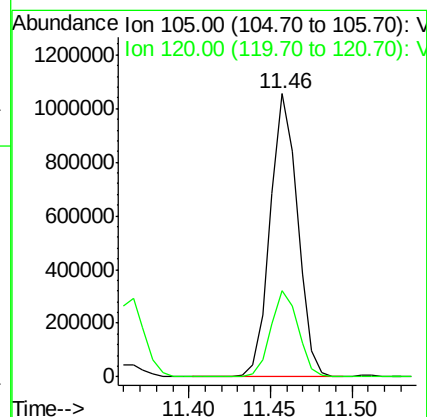
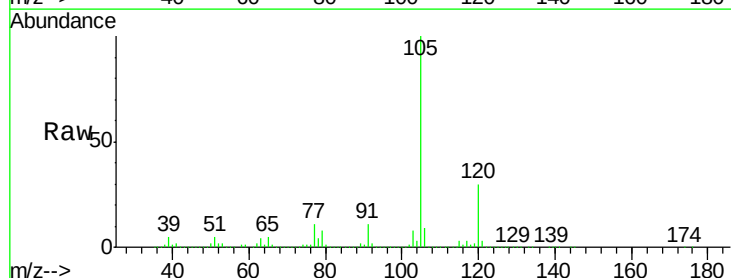
Acq: 30 Jun 2018 19:23

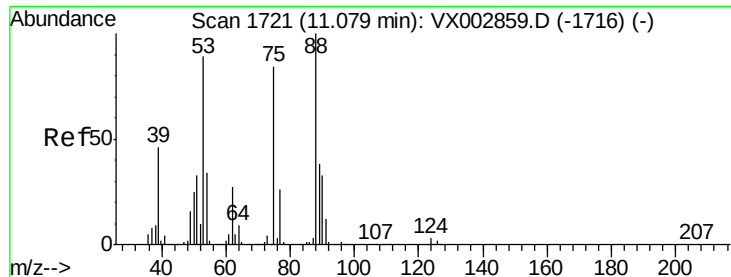
Tgt Ion:105 Resp: 1230942

Ion Ratio Lower Upper

105 100

120 30.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.68 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.05 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

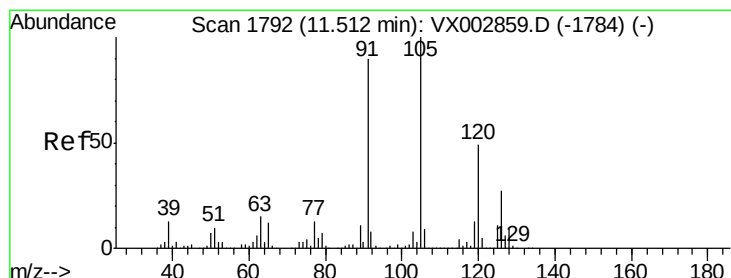
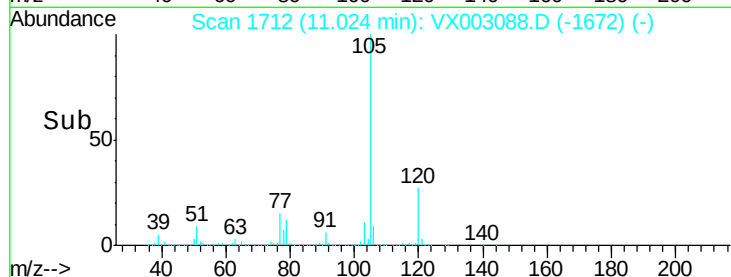
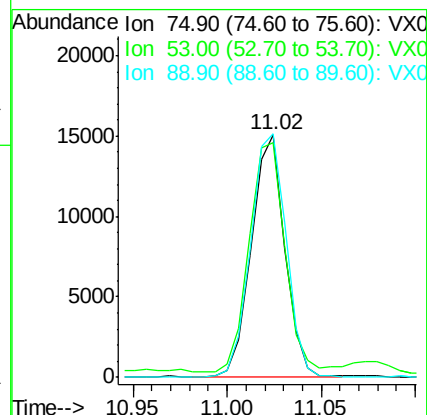
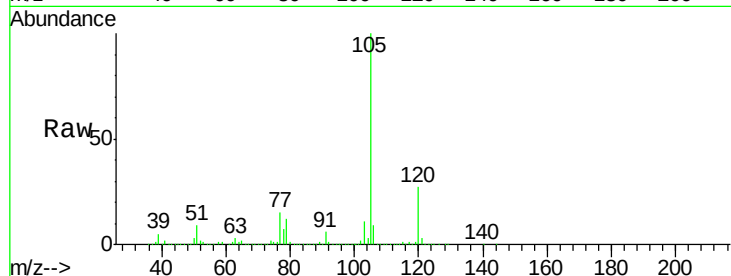
Tot Ion: 75 Resp: 18625

Ion Ratio Lower Upper

75 100

53 101.8 86.8 130.2

89 106.1 38.2 57.2#



#82

4-Chlorotoluene

Concen: 11.03 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX003088.D

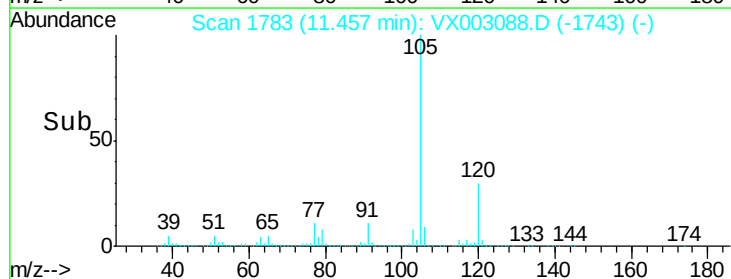
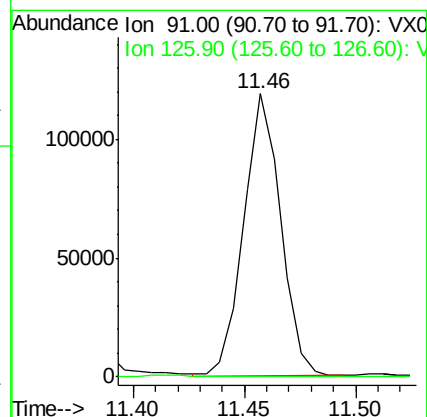
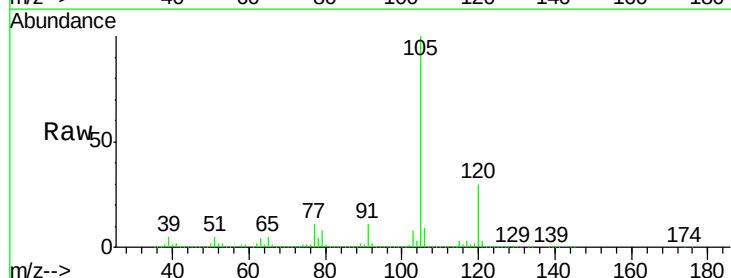
Acq: 30 Jun 2018 19:23

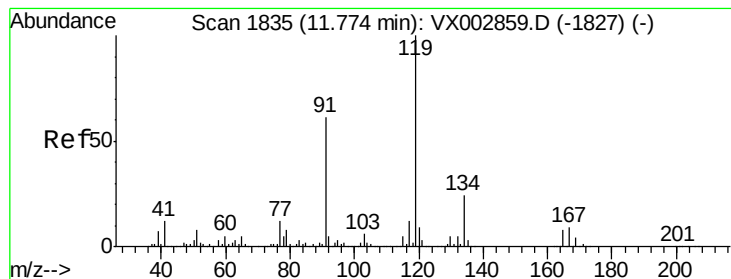
Tgt Ion: 91 Resp: 136772

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.4#





#83

tert-Butylbenzene

Concen: 1.58 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampled :

S22-0040

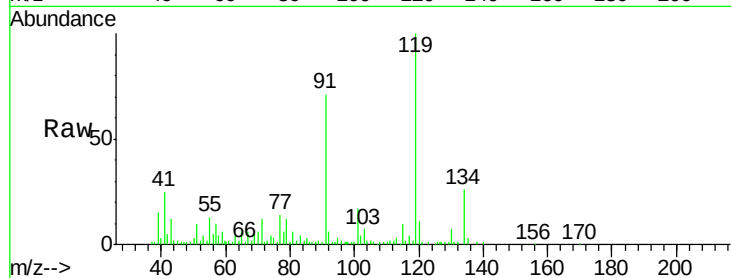
Tot Ion:119 Resp: 19871

Ion Ratio Lower Upper

119 100

91 65.4 30.3 90.9

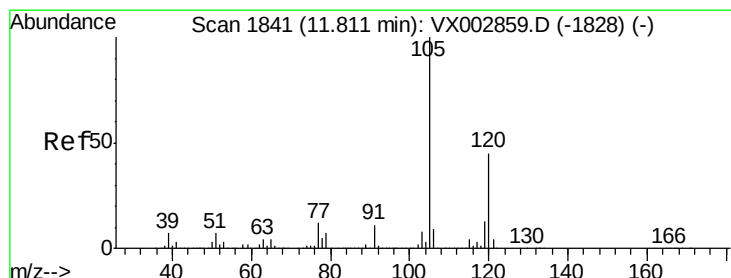
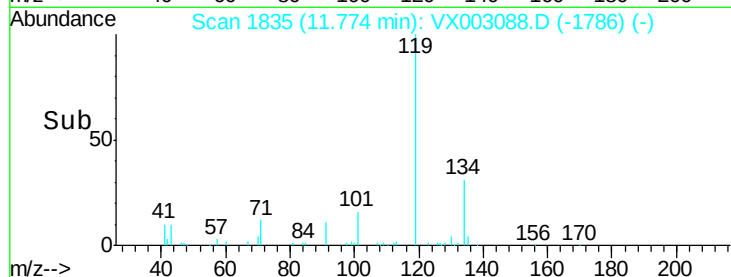
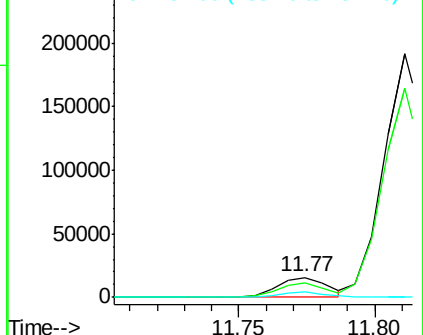
134 25.3 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 133.31 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX003088.D

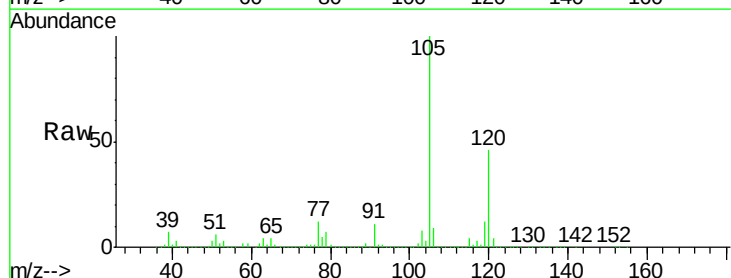
Acq: 30 Jun 2018 19:23

Tgt Ion:105 Resp: 1768207

Ion Ratio Lower Upper

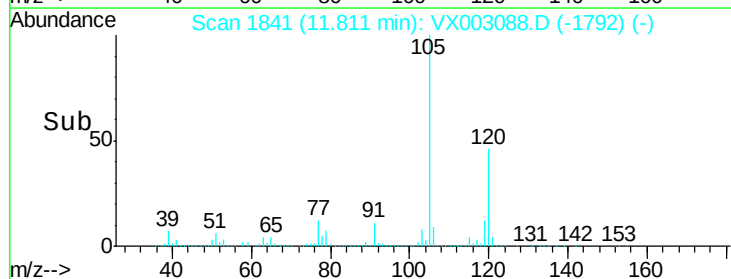
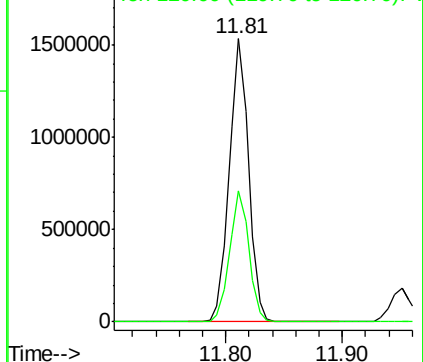
105 100

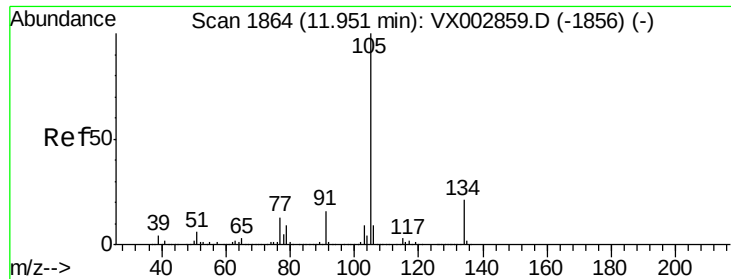
120 46.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

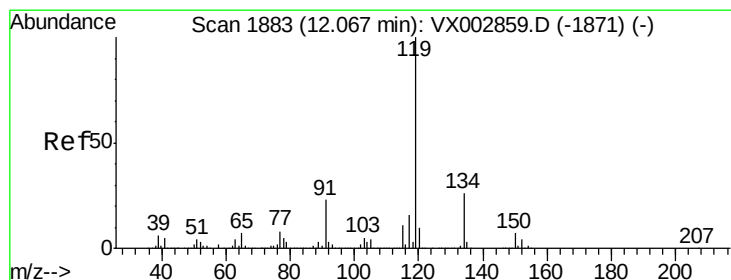
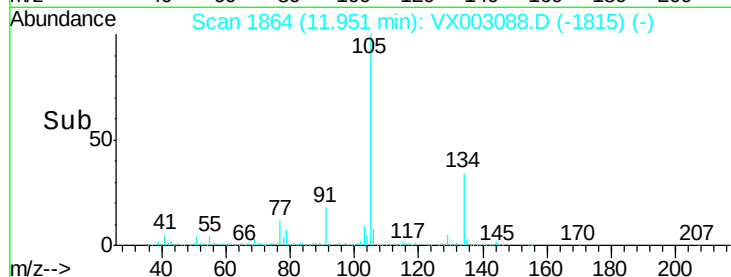
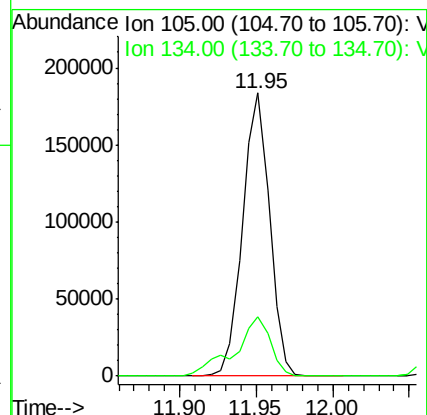
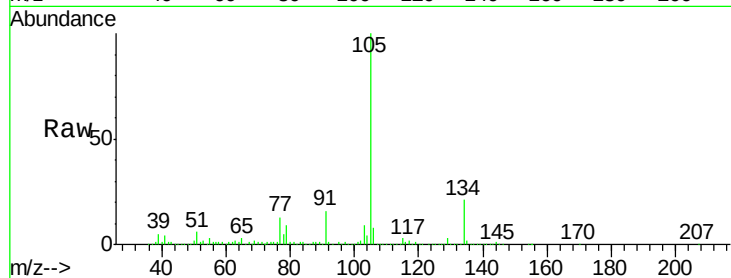




#85
 sec-Butylbenzene
 Concen: 14.60 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

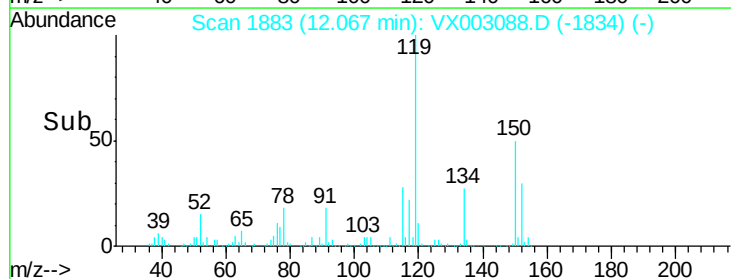
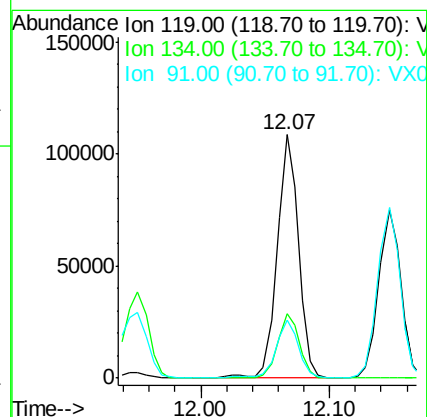
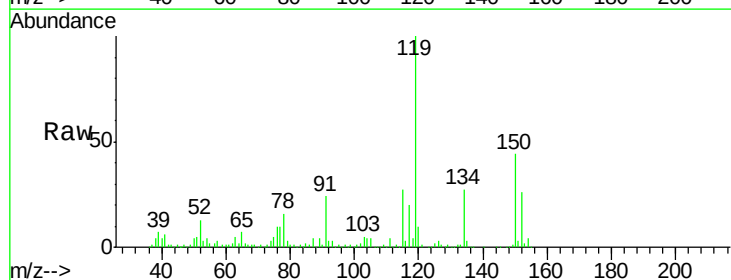
Instrument :
 MSVOA_X
 ClientSampled :
 S22-0040

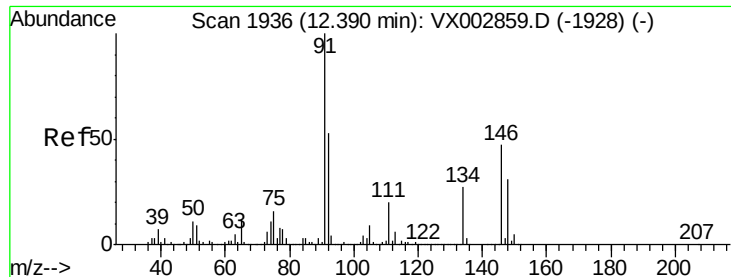
Tot Ion:105 Resp: 223521
 Ion Ratio Lower Upper
 105 100
 134 28.0 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 9.19 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

Tgt Ion:119 Resp: 126523
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 24.3 11.9 35.7





#89

n-Butylbenzene

Concen: 1.83 ug/l

RT: 12.37 min Scan# 1933

Delta R.T. -0.02 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

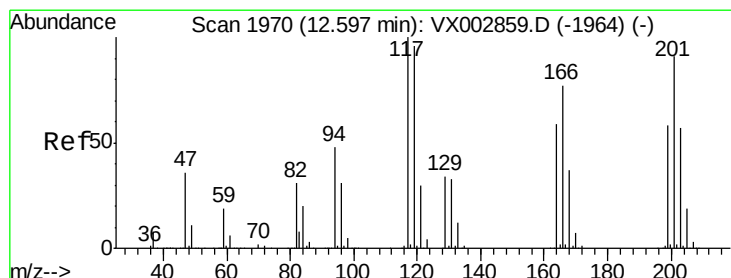
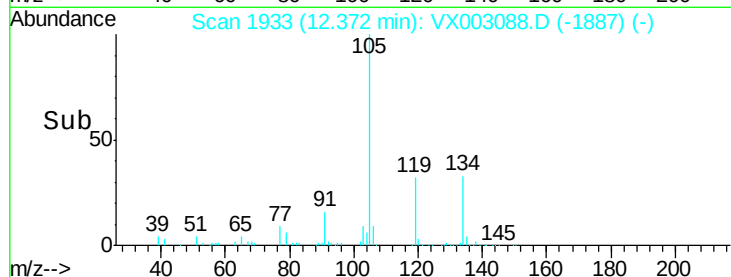
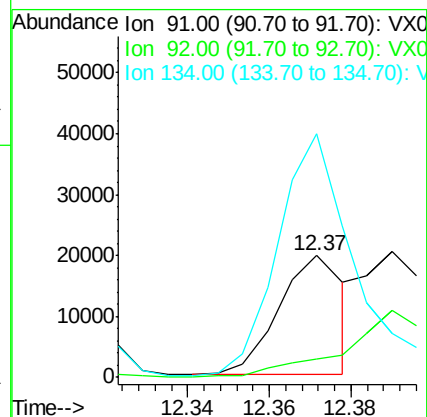
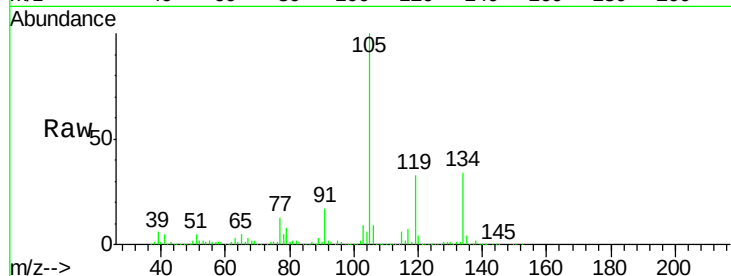
Tot Ion: 91 Resp: 21879

Ion Ratio Lower Upper

91 100

92 70.4 26.0 78.0

134 241.4 13.5 40.5#



#90

Hexachloroethane

Concen: 12.74 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX003088.D

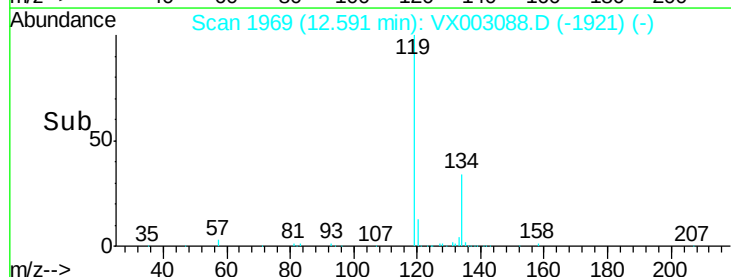
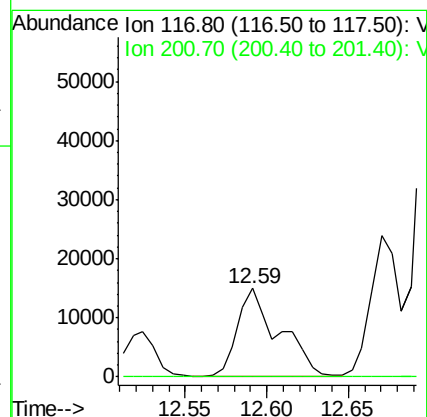
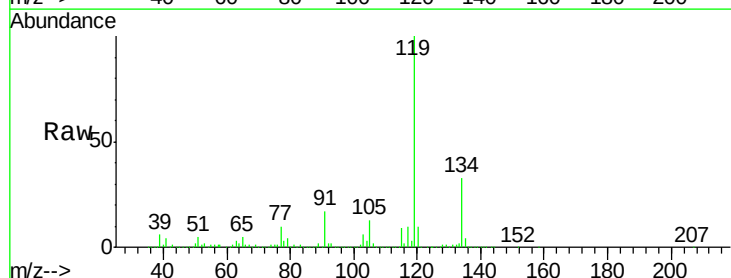
Acq: 30 Jun 2018 19:23

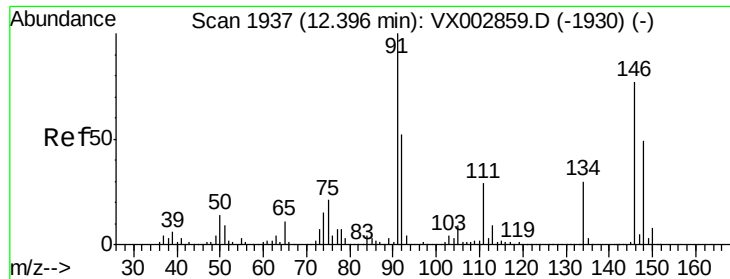
Tgt Ion: 117 Resp: 26084

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#

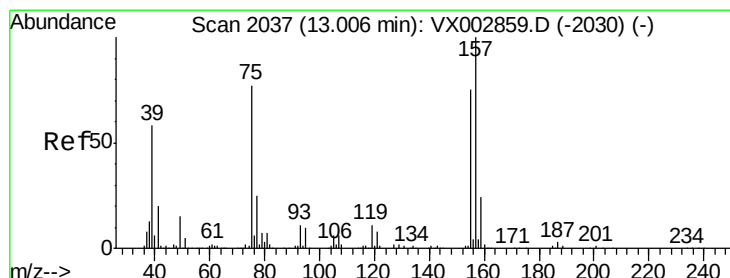
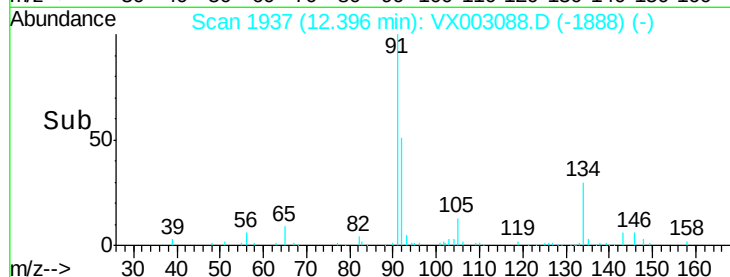
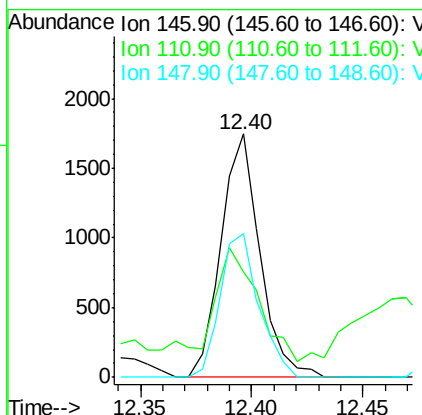
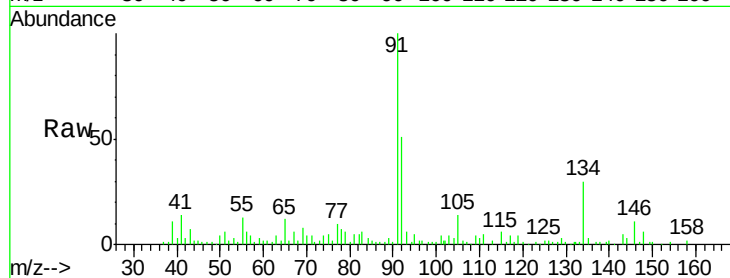




#91
 1,2-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

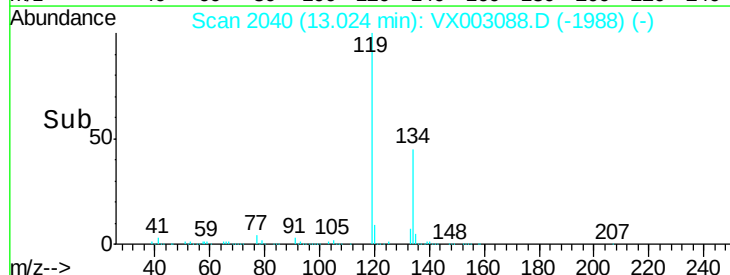
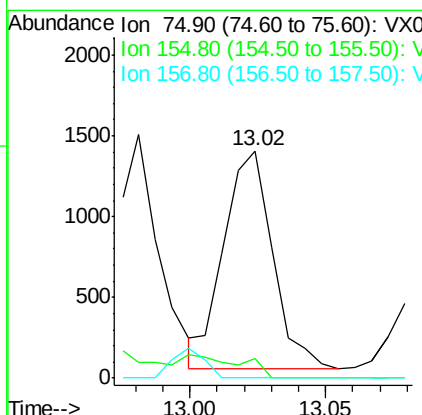
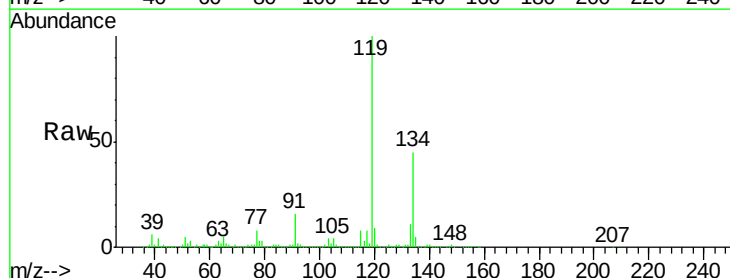
Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0040

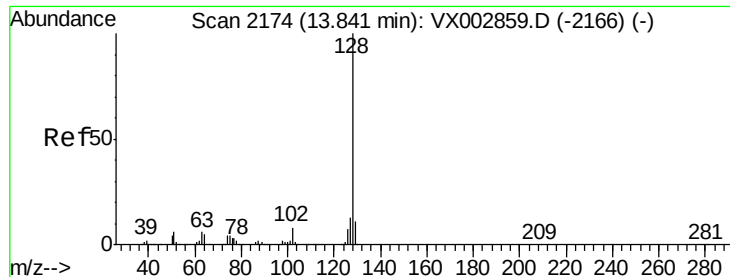
Tot Ion:146 Resp: 2119
 Ion Ratio Lower Upper
 146 100
 111 54.5 19.4 58.1
 148 58.8 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.59 ug/l
 RT: 13.02 min Scan# 2040
 Delta R.T. 0.02 min
 Lab File: VX003088.D
 Acq: 30 Jun 2018 19:23

Tgt Ion: 75 Resp: 1677
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.8 137.4#
 157 0.0 60.1 180.3#





#95

Naphthalene

Concen: 115.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003088.D

Acq: 30 Jun 2018 19:23

Instrument :

MSVOA_X

ClientSampleId :

S22-0040

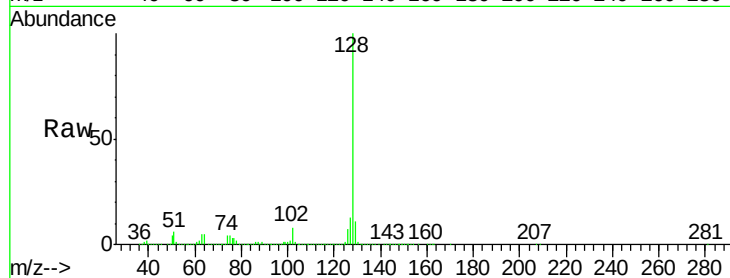
Tot Ion:128 Resp: 1780527

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

