

Data File : VX004211.D
Acq On : 22 Aug 2018 20:50
Operator : JC/MD
Sample : J4579-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FL-0546

Quant Time: Aug 23 05:53:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	497960	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	433378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	281560	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	203183	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	5.51	113	174521	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
50) Toluene-d8	8.71	98	710647	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.14	95	260837	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	3167	1.066	ug/l	98
5) Bromomethane	1.65	94	1248	Below Cal		96
6) Chloroethane	1.95	64	501	1.119	ug/l #	44
10) Methyl Iodide	2.51	142	1210	4.540	ug/l #	92
13) Acrolein	2.39	56	7910	37.251	ug/l #	78
14) Allyl chloride	2.84	41	90609	14.684	ug/l #	63
15) Acrylonitrile	3.16	53	18245	8.364	ug/l #	41
16) Acetone	2.45	43	6412	Below Cal		98
17) Carbon Disulfide	2.57	76	2552	1.067	ug/l	98
18) Methyl Acetate	2.84	43	243842	39.768	ug/l #	51
20) Methylene Chloride	2.85	84	929	0.234	ug/l #	1
25) 2-Butanone	4.71	43	1664	Below Cal		98
26) 2,2-Dichloropropane	4.40	77	5903	1.121	ug/l #	52
29) Tetrahydrofuran	5.22	42	1680	0.946	ug/l #	1
30) Chloroform	5.27	83	2338	0.347	ug/l #	75
31) Cyclohexane	5.57	56	632536	109.188	ug/l	99
36) 1,1-Dichloropropene	5.66	75	20793	3.714	ug/l #	50
38) Carbon Tetrachloride	5.66	117	27497	5.221	ug/l #	15
39) Methylcyclohexane	7.46	83	3817919	597.334	ug/l	99
40) Benzene	6.15	78	8044	0.481	ug/l	93
41) Methacrylonitrile	5.23	41	9437	2.957	ug/l #	50
42) 1,2-Dichloroethane	6.25	62	1462	0.256	ug/l #	1
43) Isopropyl Acetate	6.45	43	41484	4.903	ug/l #	62
45) 1,2-Dichloropropane	7.46	63	31549	7.536	ug/l #	1
47) Bromodichloromethane	7.85	83	4480	0.864	ug/l #	84
48) Methyl methacrylate	7.73	41	139188	30.747	ug/l #	46
51) 4-Methyl-2-Pentanone	8.66	43	35134	5.716	ug/l #	41
52) Toluene	8.79	92	14979	1.431	ug/l	99
55) 1,1,2-Trichloroethane	9.16	97	119498	28.270	ug/l #	20
56) Ethyl methacrylate	9.16	69	25580	4.445	ug/l #	1
59) 2-Hexanone	9.31	43	1182	0.252	ug/l	94
67) Ethyl Benzene	10.25	91	346947	19.641	ug/l	99
68) m/p-Xylenes	10.36	106	321882	46.602	ug/l	98
69) o-Xylene	10.70	106	115828	17.728	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
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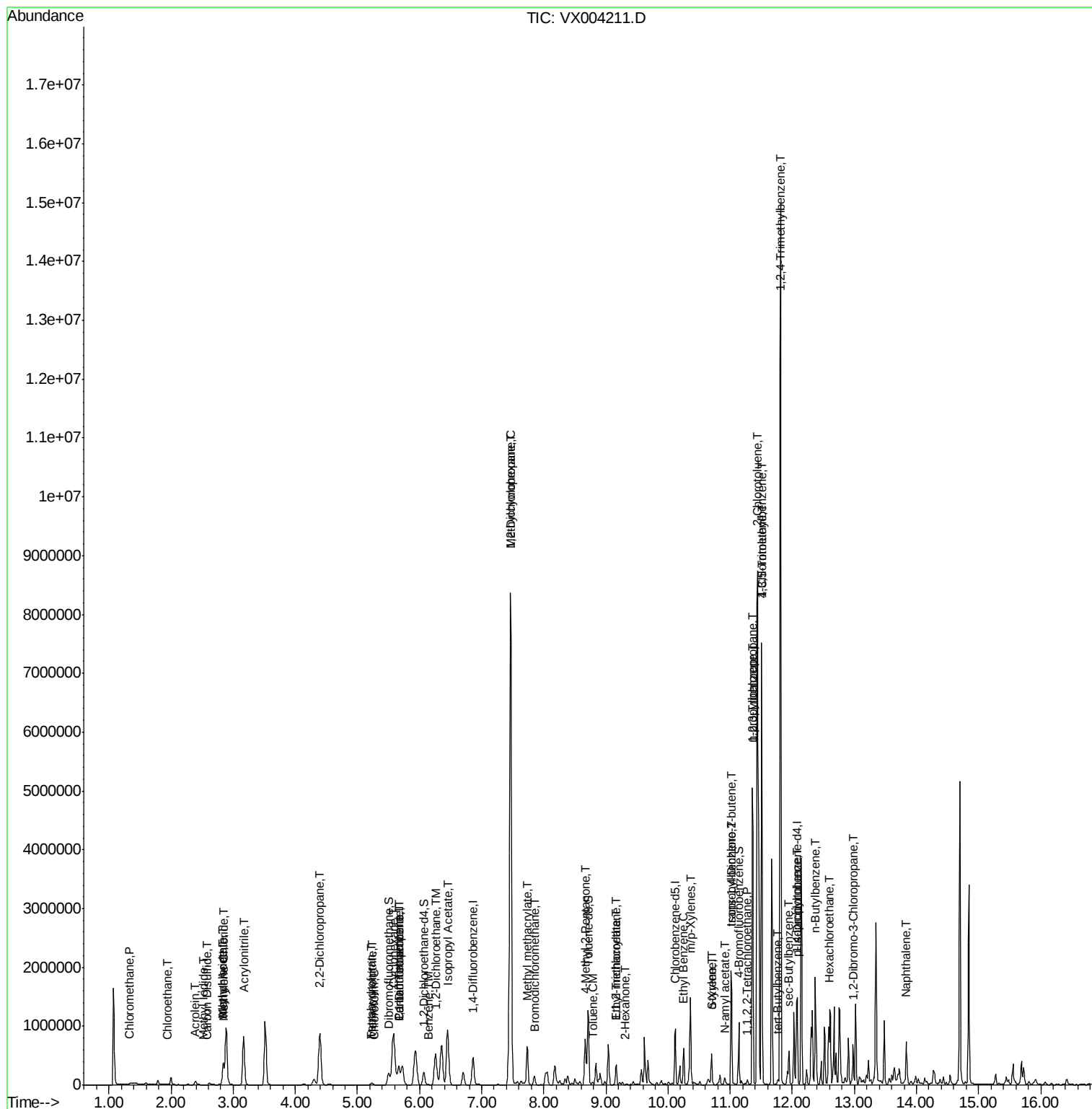
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Styrene	10.70	104	5688	0.538	ug/l #	1
73) Isopropylbenzene	11.02	105	992911	53.693	ug/l	99
74) N-amyl acetate	10.91	43	3305	0.464	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	4638	0.717	ug/l #	39
76) 1,2,3-Trichloropropane	11.36	75	17613	3.076	ug/l #	1
78) n-propylbenzene	11.36	91	2991362	140.645	ug/l	99
79) 2-Chlorotoluene	11.44	91	841657	64.292	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	3308342	216.029	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	11065	6.269	ug/l #	68
82) 4-Chlorotoluene	11.51	91	342534	22.236	ug/l #	44
83) tert-Butylbenzene	11.77	119	32458	2.107	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.81	105	6048951	384.793	ug/l	95
85) sec-Butylbenzene	11.94	105	313709	17.149	ug/l	84
86) p-Isopropyltoluene	12.07	119	338785	20.665	ug/l	99
89) n-Butylbenzene	12.38	91	245265	18.398	ug/l #	18
90) Hexachloroethane	12.59	117	39899	17.413	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2611	2.291	ug/l #	1
94) Hexachlorobutadiene	13.78	225	266	Below Cal		74
95) Naphthalene	13.83	128	434776	23.668	ug/l	98

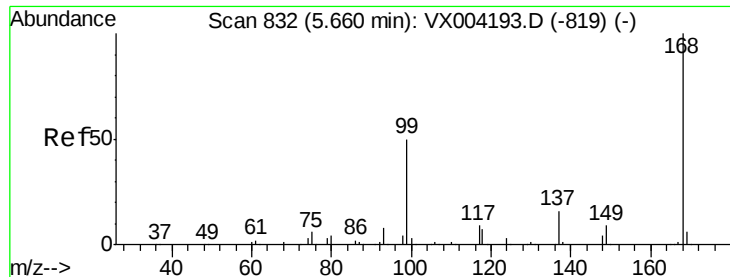
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

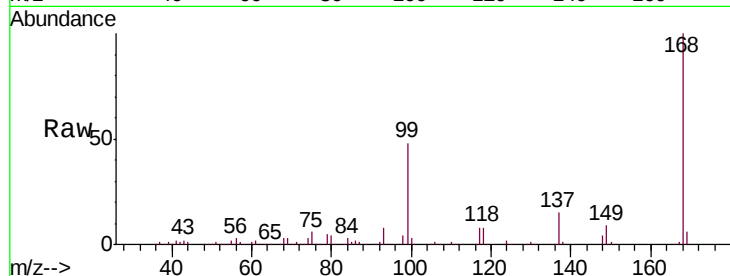
FL-0546

Tgt Ion:168 Resp: 317020

Ion Ratio Lower Upper

168 100

99 48.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

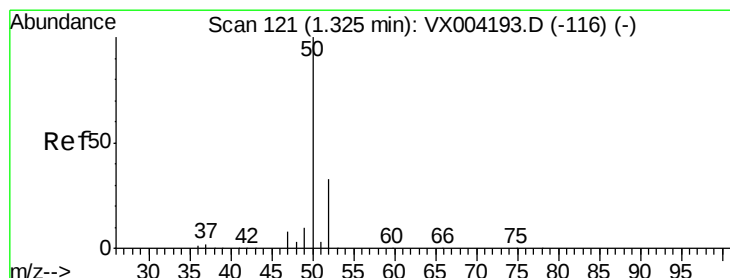
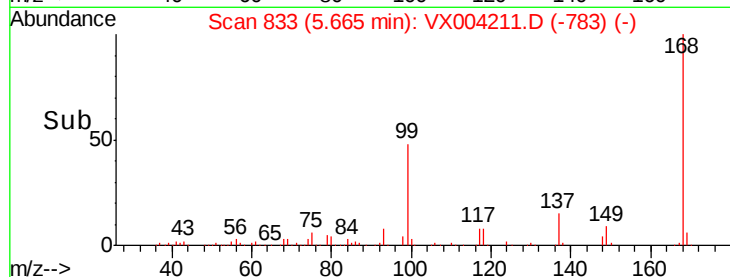
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 1.066 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004211.D

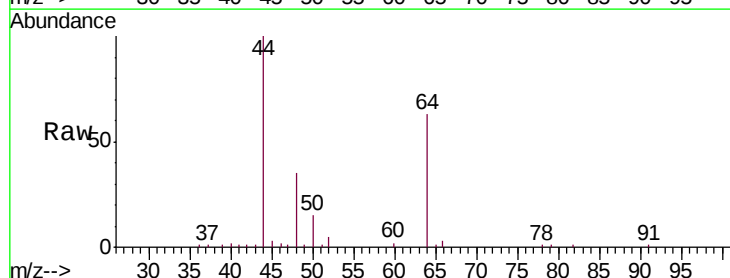
Acq: 22 Aug 2018 20:50

Tgt Ion: 50 Resp: 3167

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

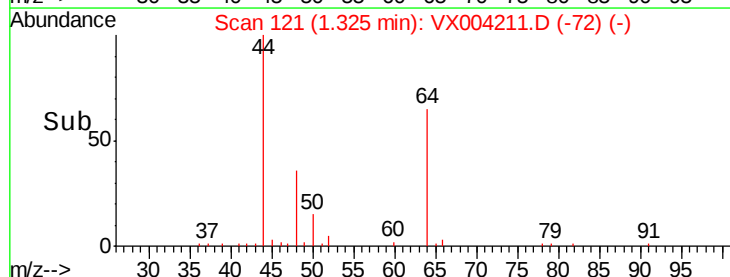
1500

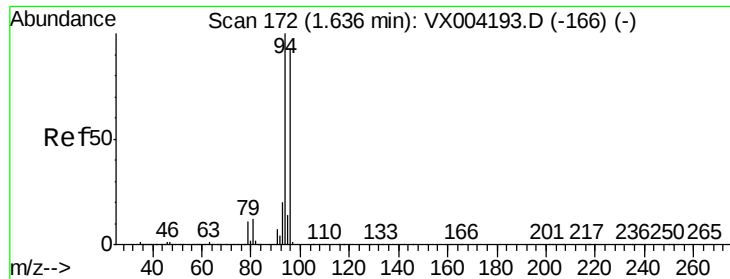
1000

500

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

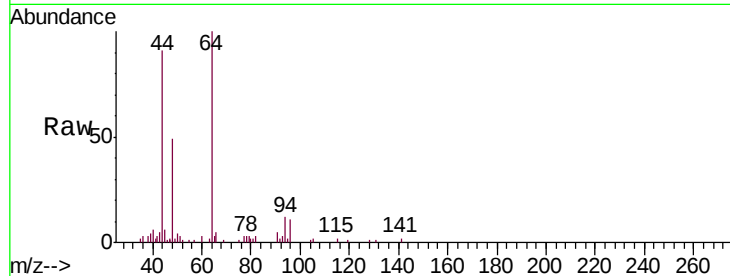
FL-0546

Tgt Ion: 94 Resp: 1248

Ion Ratio Lower Upper

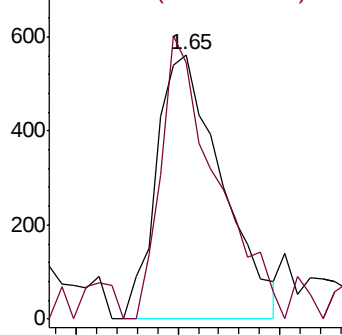
94 100

96 97.2 74.5 111.7

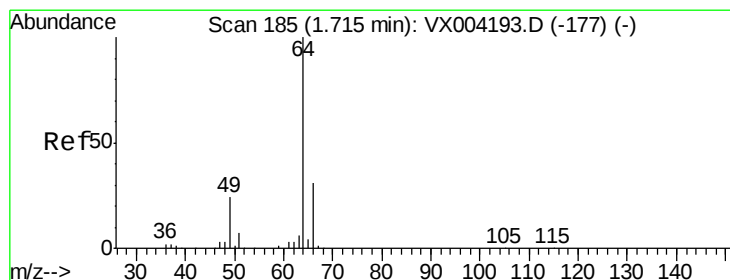
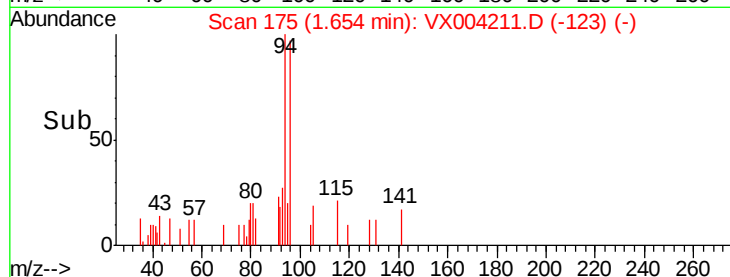


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 1.119 ug/l

RT: 1.95 min Scan# 223

Delta R.T. 0.23 min

Lab File: VX004211.D

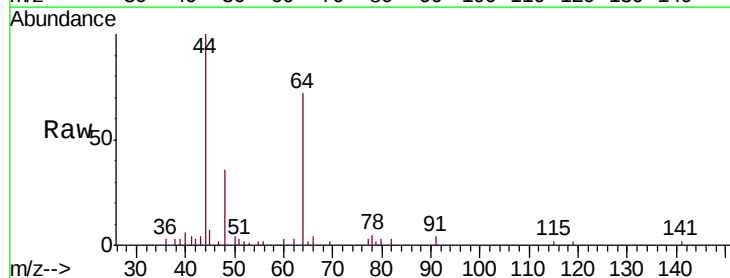
Acq: 22 Aug 2018 20:50

Tgt Ion: 64 Resp: 501

Ion Ratio Lower Upper

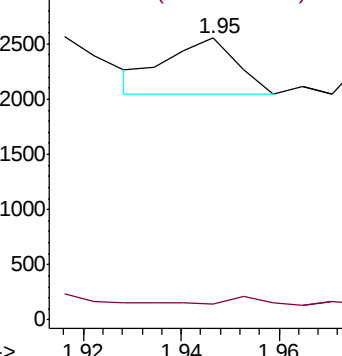
64 100

66 0.0 24.6 36.8#

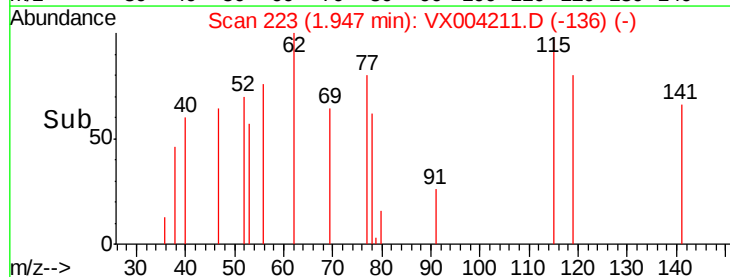


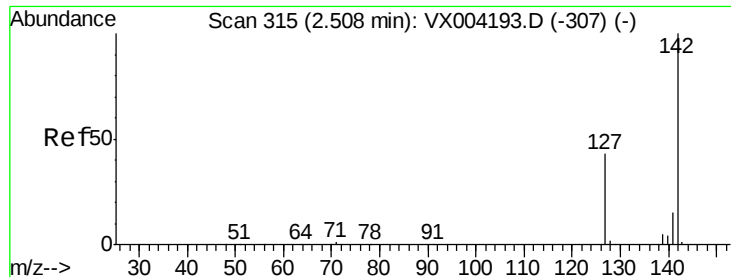
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

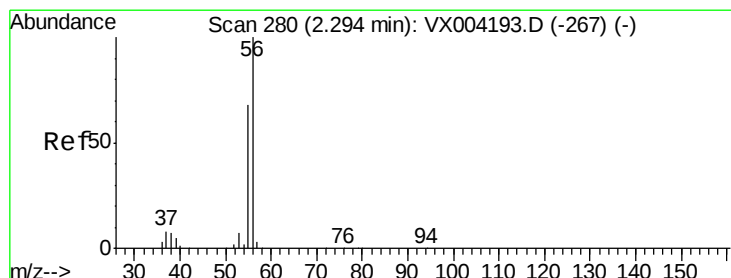
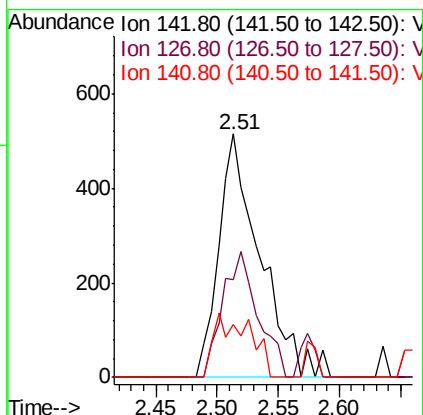
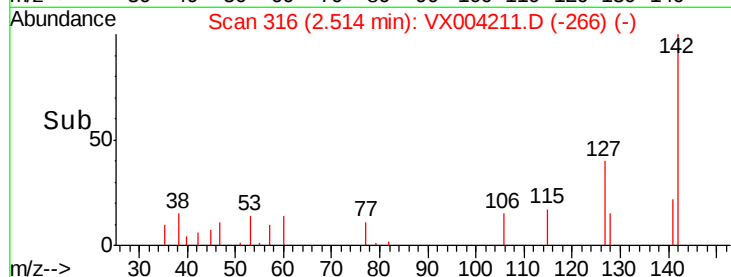
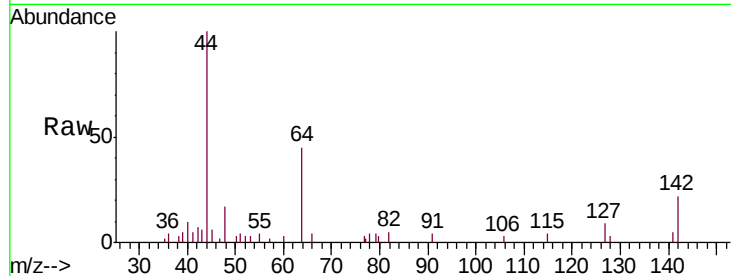




#10
Methyl Iodide
Concen: 4.540 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

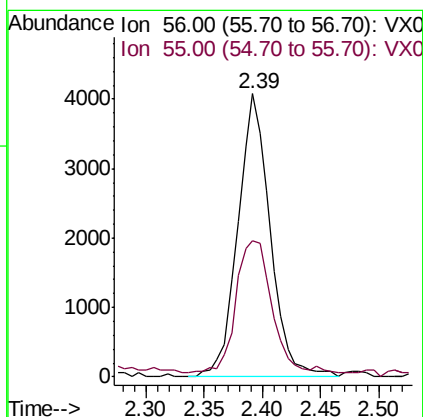
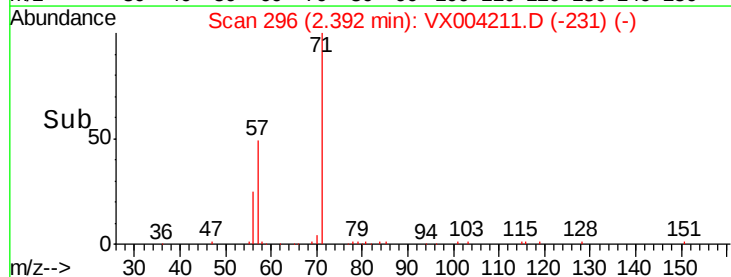
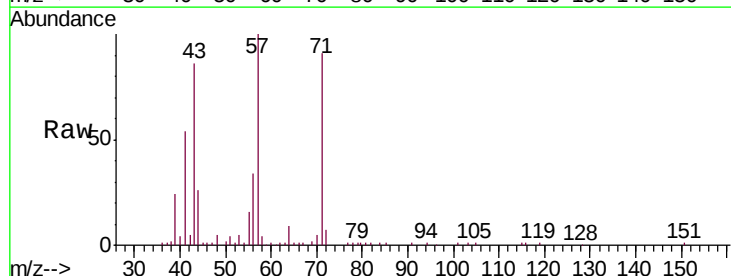
Instrument :
MSVOA_X
ClientSampleId :
FL-0546

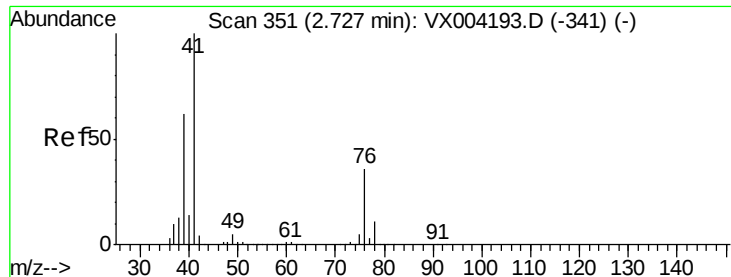
Tgt Ion:142 Resp: 1210
Ion Ratio Lower Upper
142 100
127 44.0 33.8 50.6
141 23.0 11.4 17.0#



#13
Acrolein
Concen: 37.251 ug/l
RT: 2.39 min Scan# 296
Delta R.T. 0.10 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 56 Resp: 7910
Ion Ratio Lower Upper
56 100
55 50.6 54.7 82.1#





#14

Allyl chloride

Concen: 14.684 ug/l

RT: 2.84 min Scan# 370

Delta R.T. 0.12 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

FL-0546

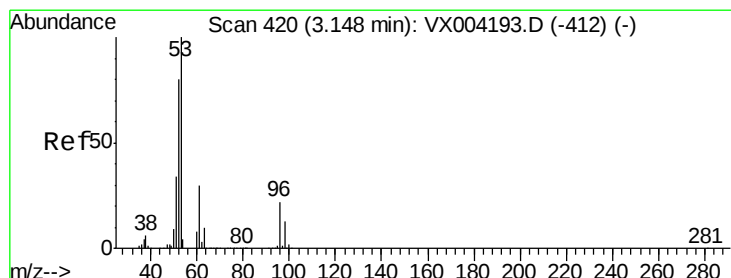
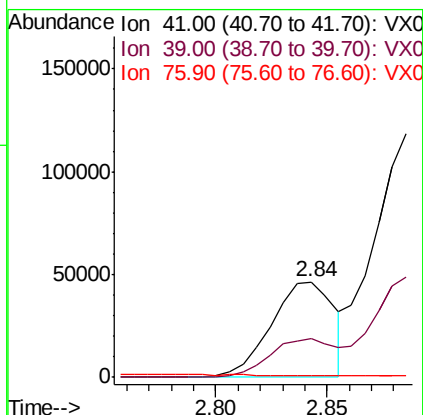
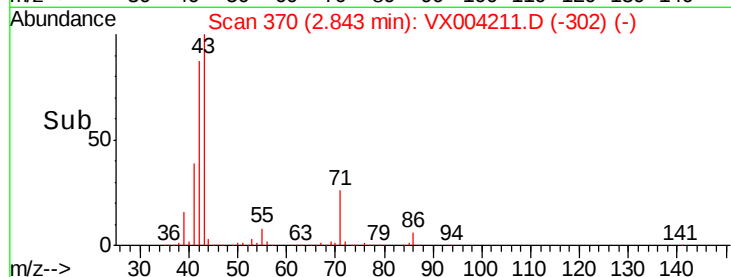
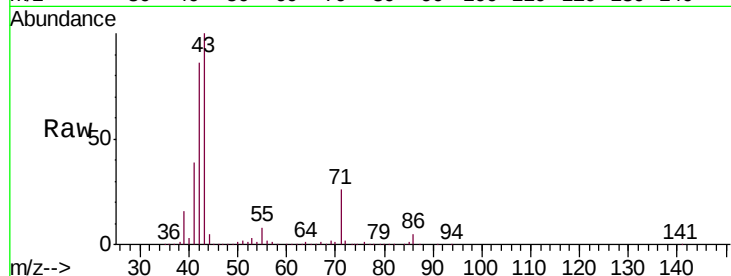
Tgt Ion: 41 Resp: 90609

Ion Ratio Lower Upper

41 100

39 42.3 48.9 73.3#

76 0.0 26.7 40.1#



#15

Acrylonitrile

Concen: 8.364 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

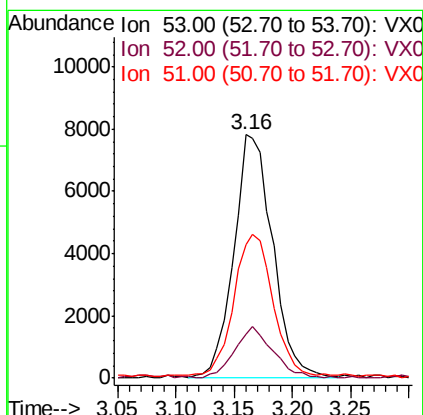
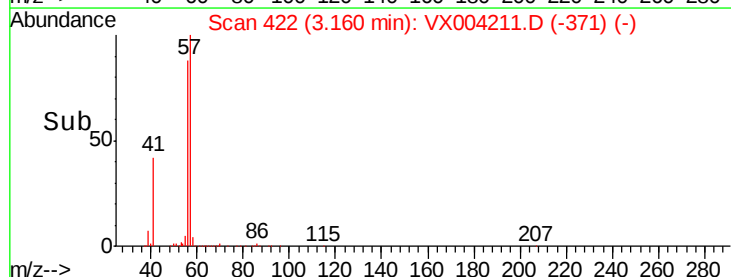
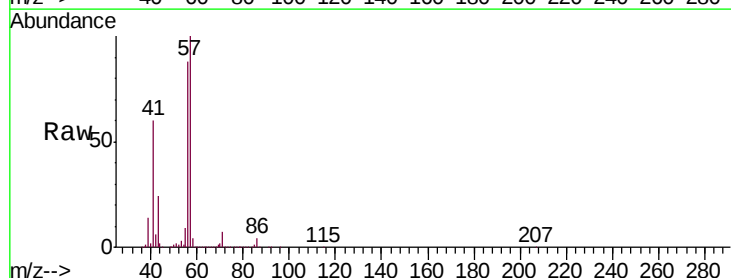
Tgt Ion: 53 Resp: 18245

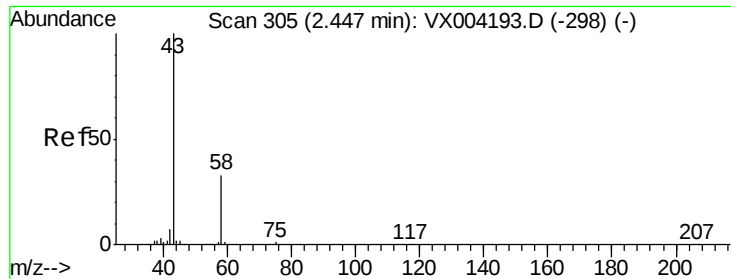
Ion Ratio Lower Upper

53 100

52 20.7 65.2 97.8#

51 57.6 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

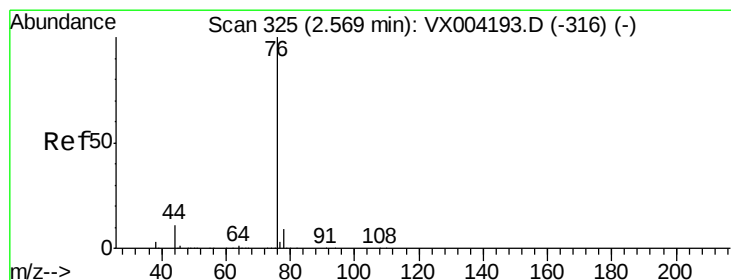
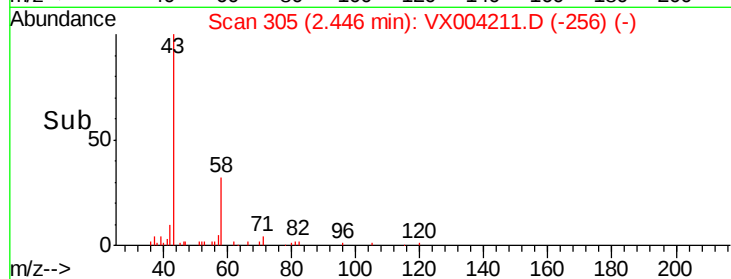
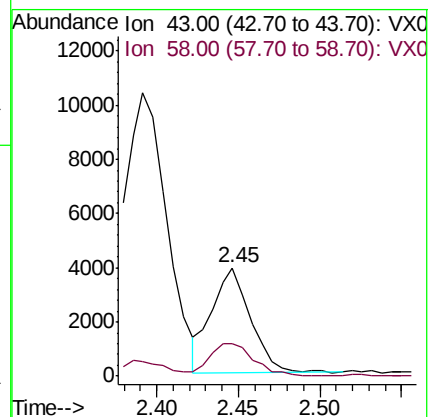
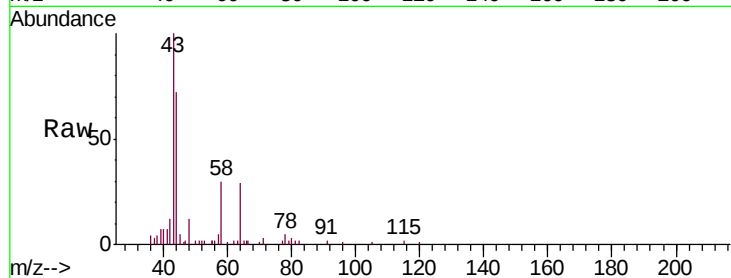
FL-0546

Tgt Ion: 43 Resp: 6412

Ion Ratio Lower Upper

43 100

58 31.4 26.2 39.4



#17

Carbon Disulfide

Concen: 1.067 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004211.D

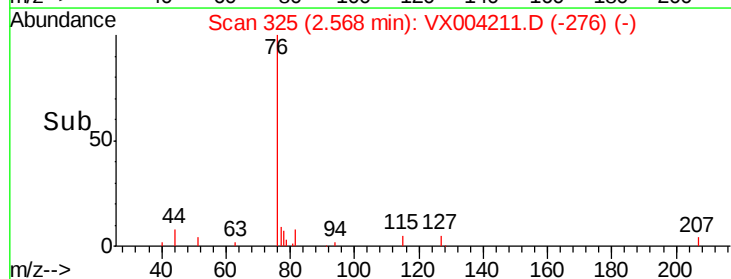
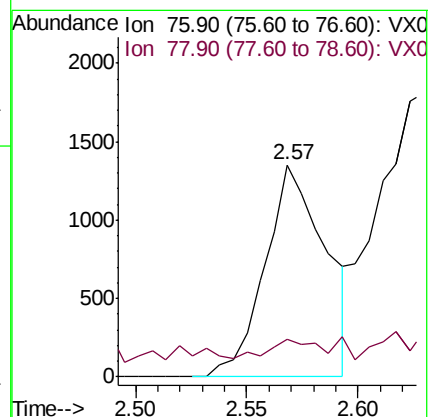
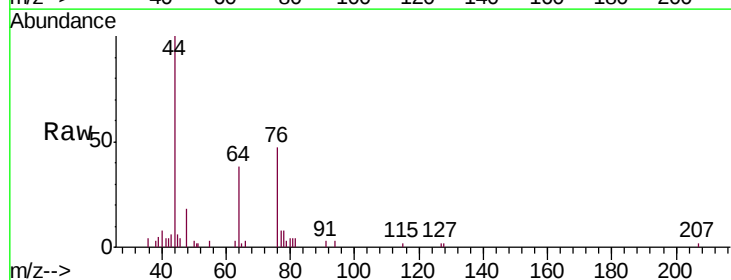
Acq: 22 Aug 2018 20:50

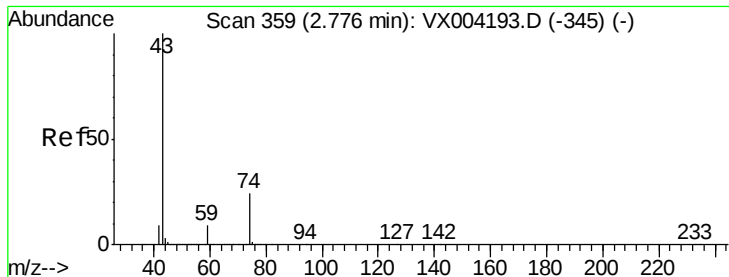
Tgt Ion: 76 Resp: 2552

Ion Ratio Lower Upper

76 100

78 8.1 7.0 10.6

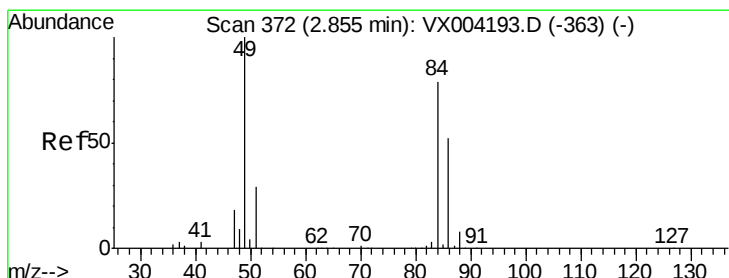
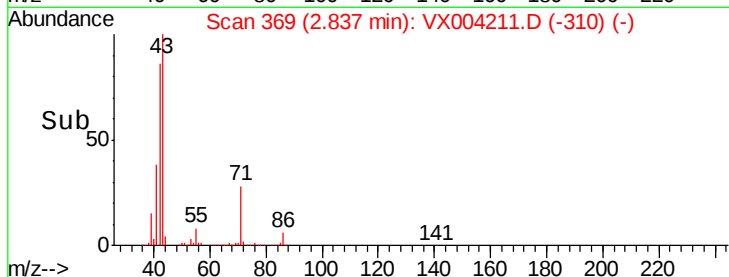
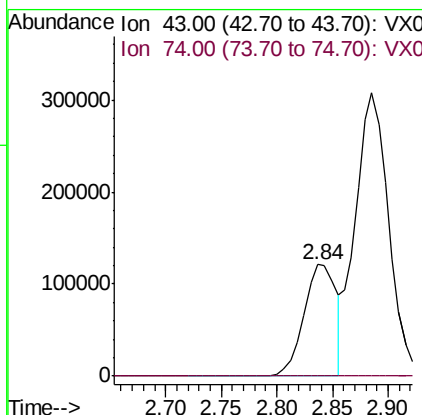
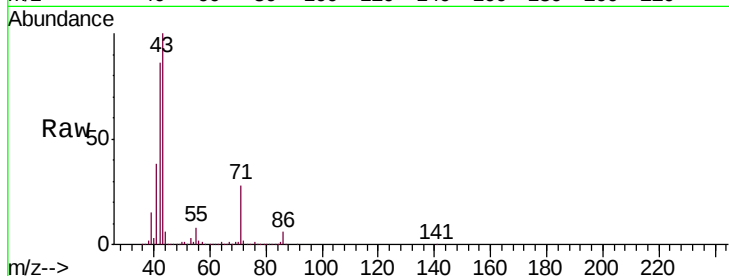




#18
Methyl Acetate
Concen: 39.768 ug/l
RT: 2.84 min Scan# 369
Delta R.T. 0.06 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

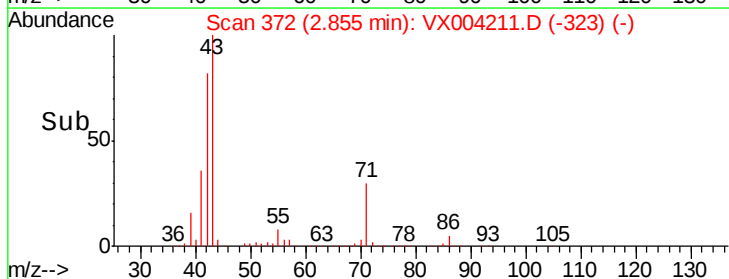
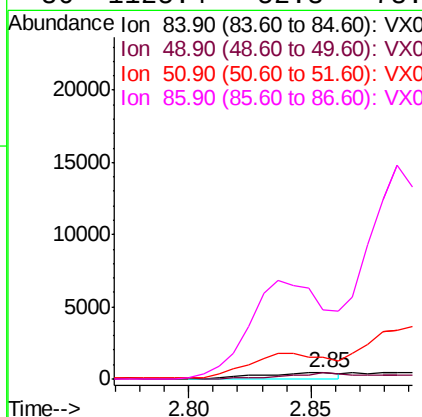
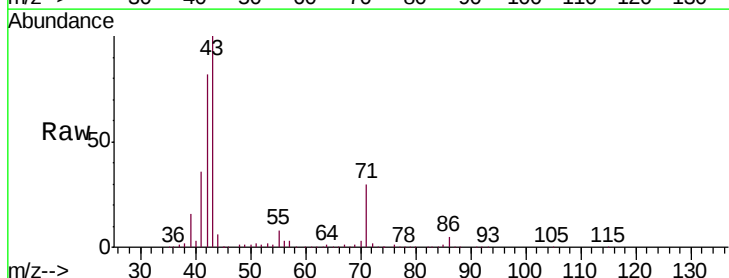
Instrument :
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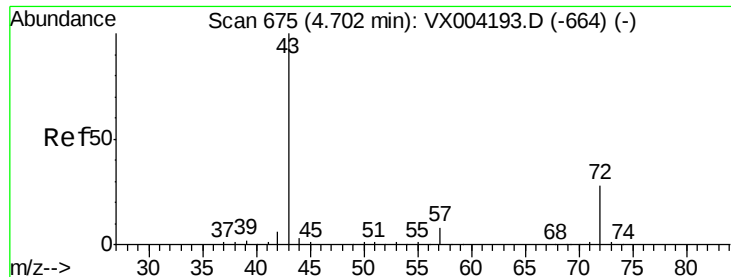
Tgt Ion: 43 Resp: 243842
Ion Ratio Lower Upper
43 100
74 0.1 19.4 29.2#



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 84 Resp: 929
Ion Ratio Lower Upper
84 100
49 99.0 101.2 151.8#
51 337.3 29.5 44.3#
86 1125.4 52.3 78.5#





#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

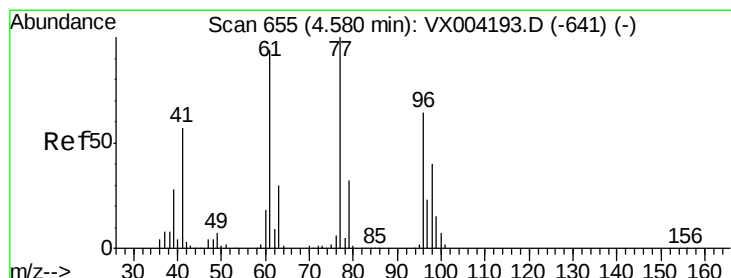
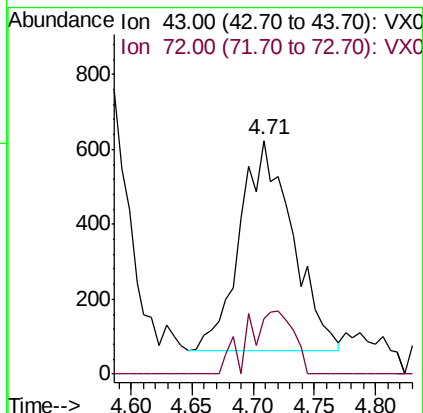
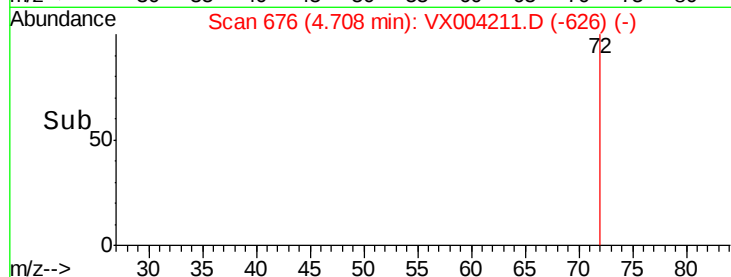
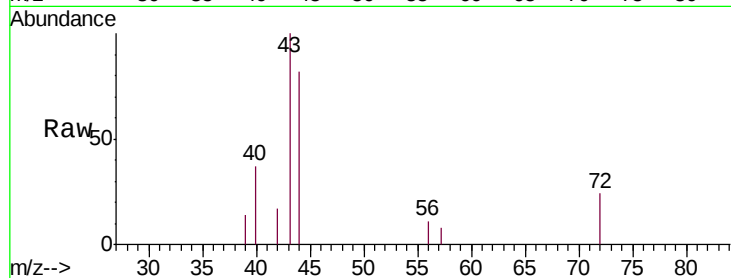
FL-0546

Tgt Ion: 43 Resp: 1664

Ion Ratio Lower Upper

43 100

72 26.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 1.121 ug/l

RT: 4.40 min Scan# 625

Delta R.T. -0.18 min

Lab File: VX004211.D

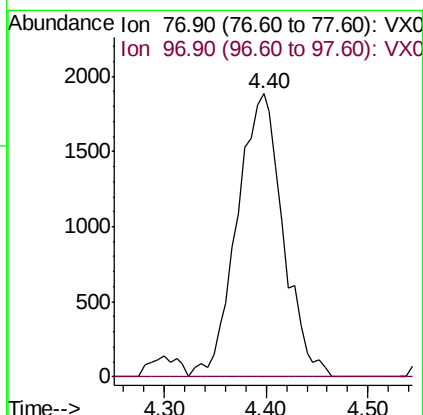
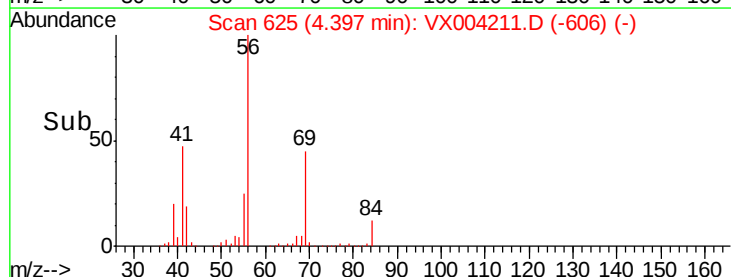
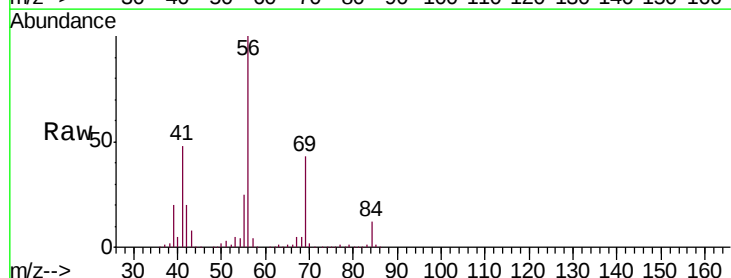
Acq: 22 Aug 2018 20:50

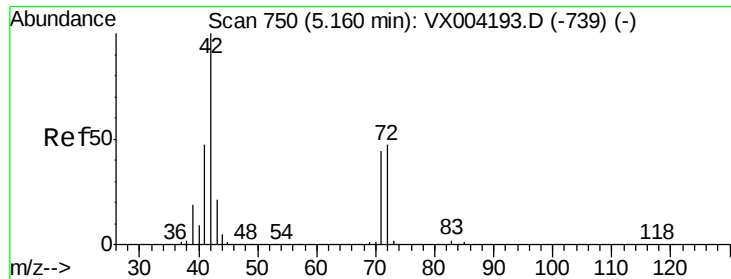
Tgt Ion: 77 Resp: 5903

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#29

Tetrahydrofuran

Concen: 0.946 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.06 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

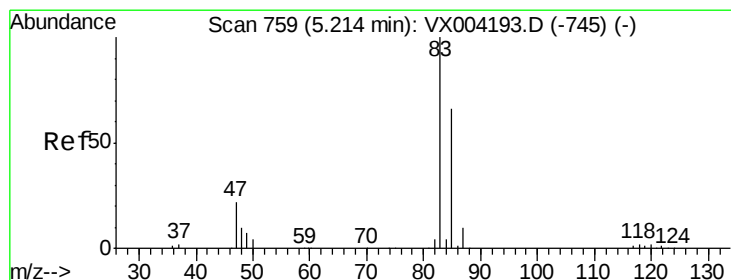
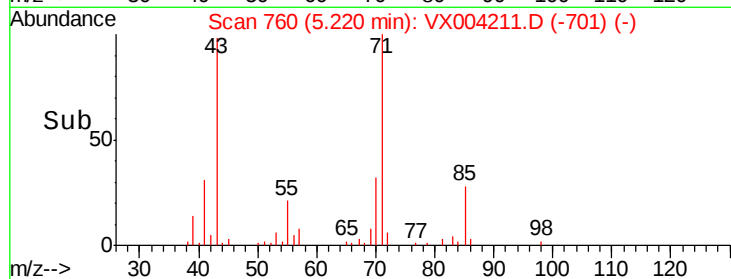
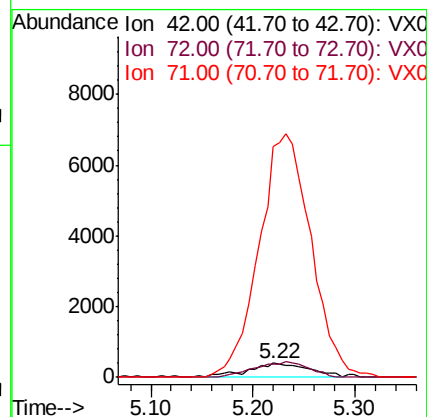
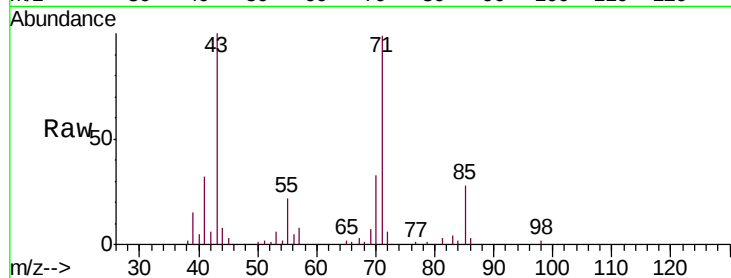
Tgt Ion: 42 Resp: 1680

Ion Ratio Lower Upper

42 100

72 95.6 37.4 56.0#

71 1447.5 34.5 51.7#



#30

Chloroform

Concen: 0.347 ug/l

RT: 5.27 min Scan# 768

Delta R.T. 0.05 min

Lab File: VX004211.D

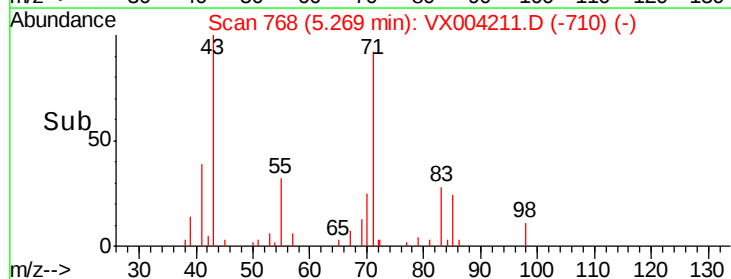
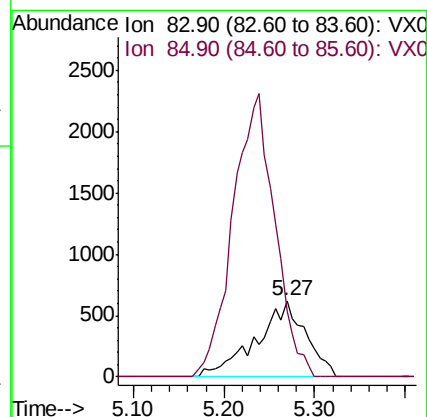
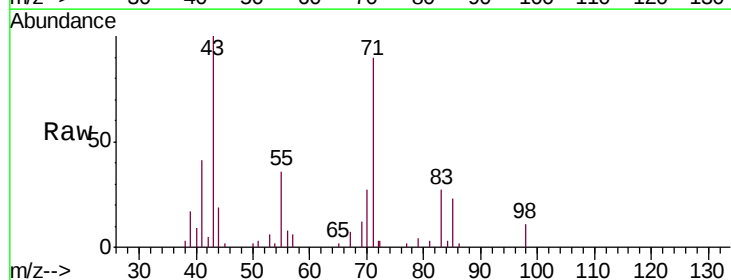
Acq: 22 Aug 2018 20:50

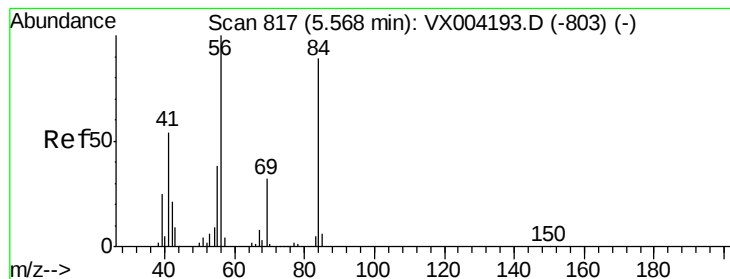
Tgt Ion: 83 Resp: 2338

Ion Ratio Lower Upper

83 100

85 85.8 52.6 79.0#





#31

Cyclohexane

Concen: 109.188 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

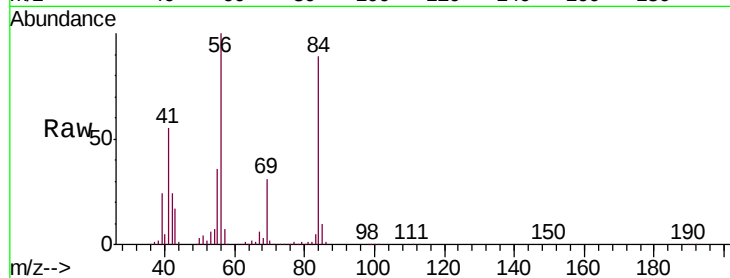
Tgt Ion: 56 Resp: 632536

Ion Ratio Lower Upper

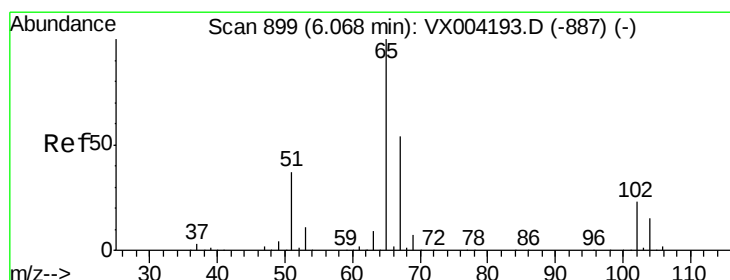
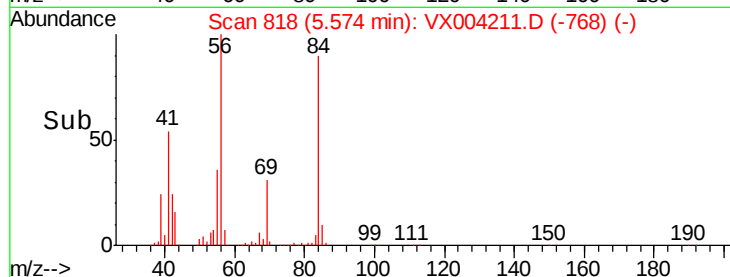
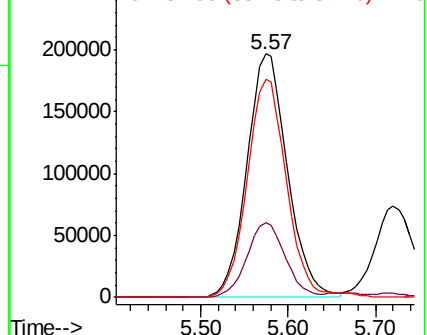
56 100

69 30.7 25.4 38.2

84 89.5 71.4 107.2



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: 49.174 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004211.D

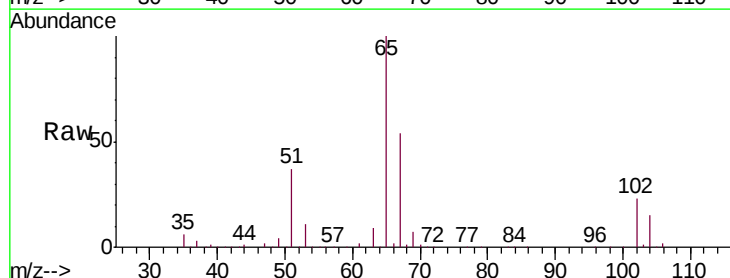
Acq: 22 Aug 2018 20:50

Tgt Ion: 65 Resp: 203183

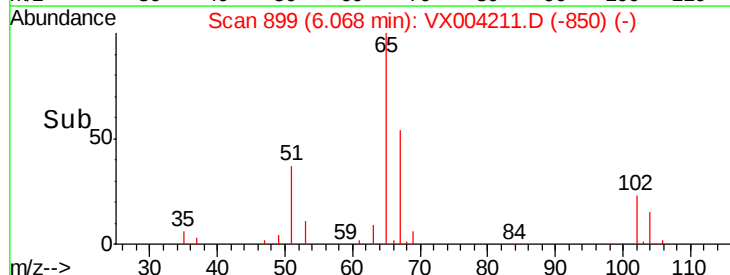
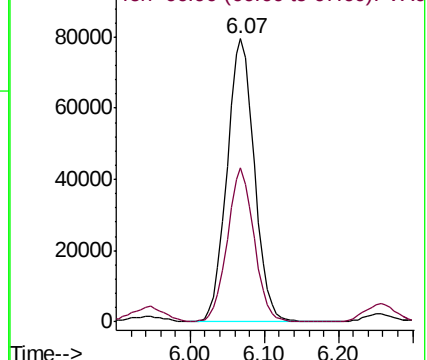
Ion Ratio Lower Upper

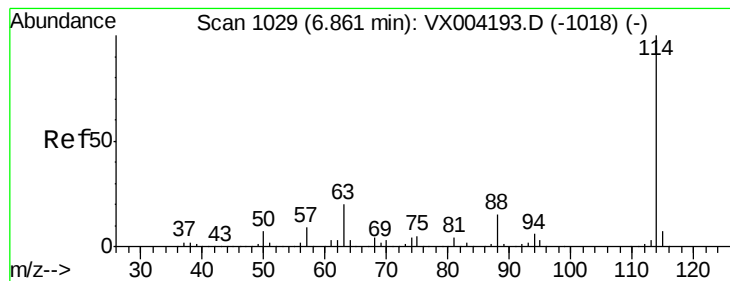
65 100

67 53.1 0.0 106.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

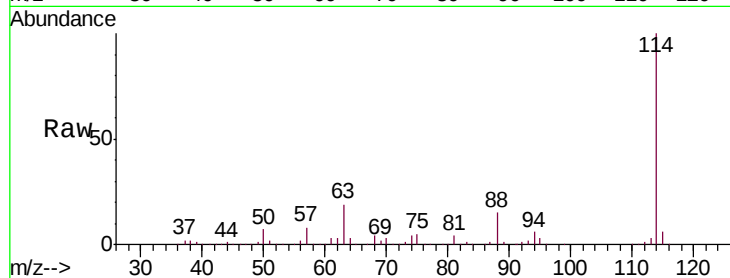
Tgt Ion:114 Resp: 497960

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.0

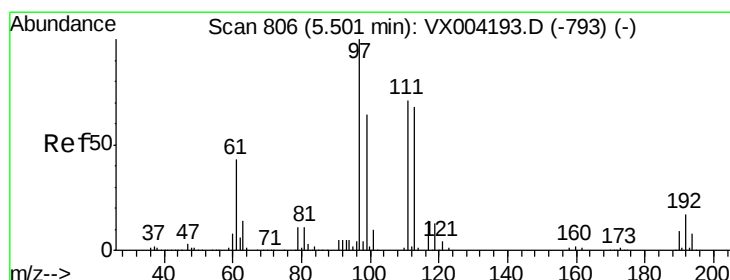
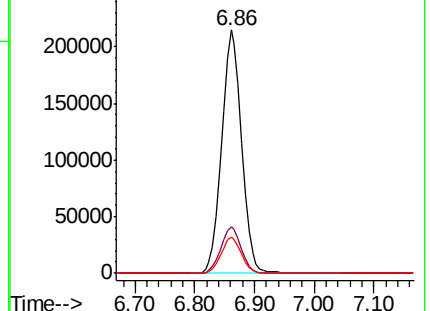
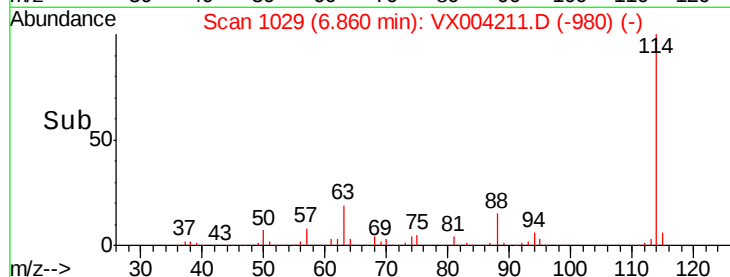
88 15.0 0.0 30.4



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: 47.110 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

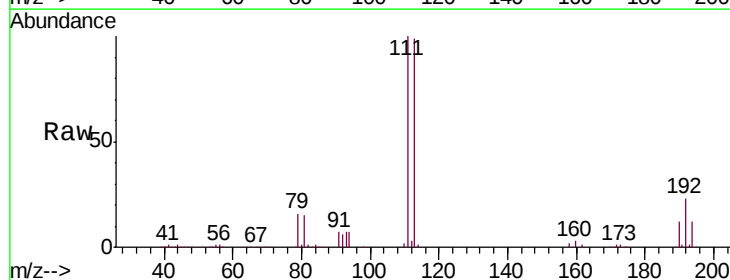
Tgt Ion:113 Resp: 174521

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

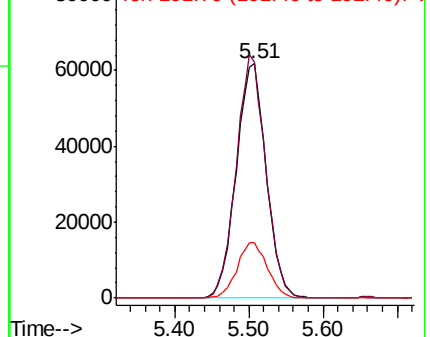
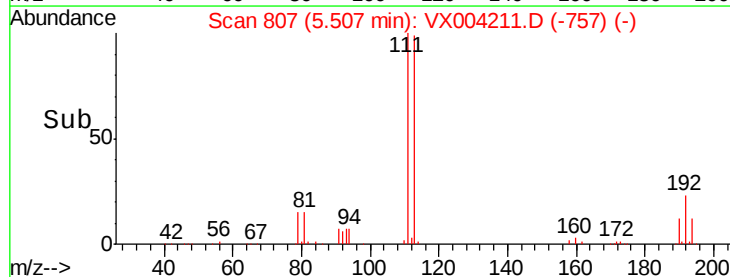
192 24.0 19.4 29.2

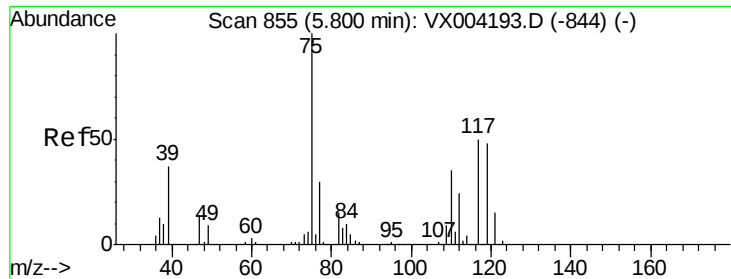


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

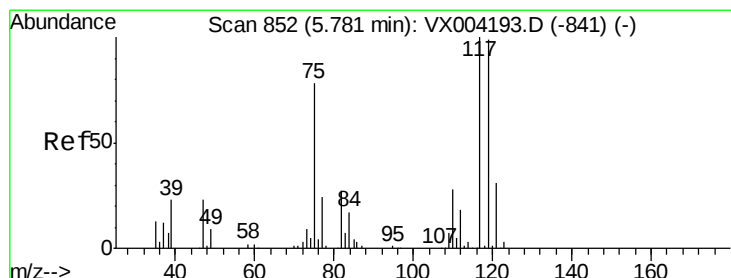
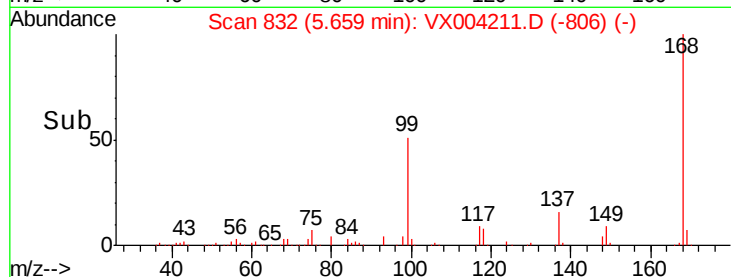
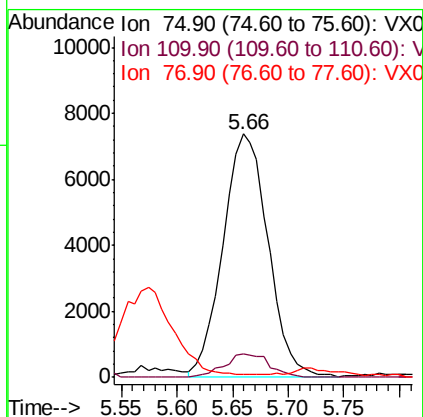
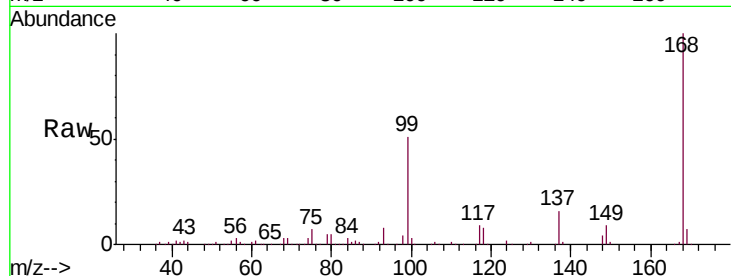




#36
 1,1-Dichloropropene
 Concen: 3.714 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

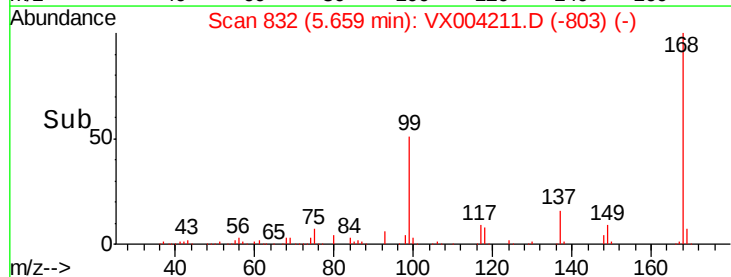
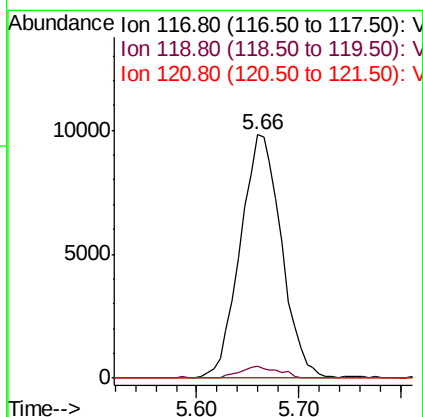
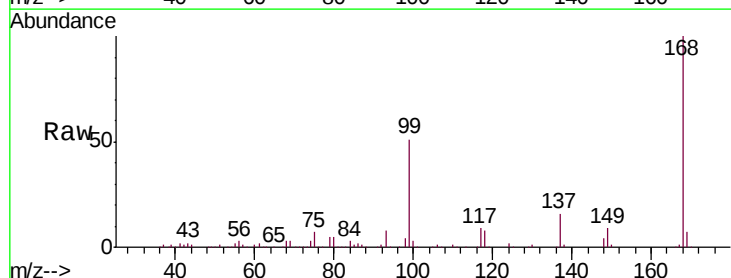
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0546

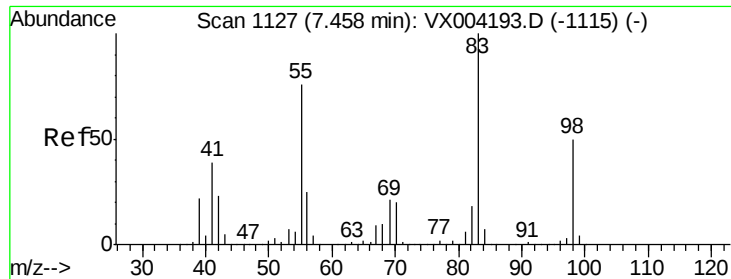
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.221 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.8	118.2#
121	0.0	24.9	37.3#

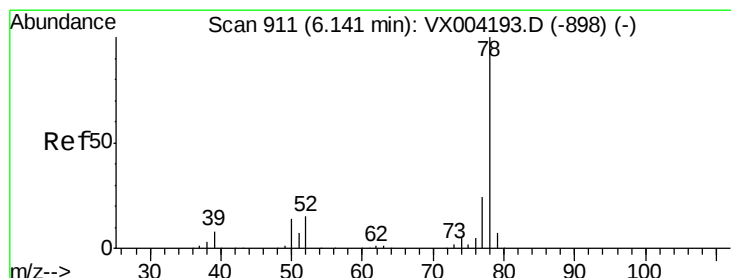
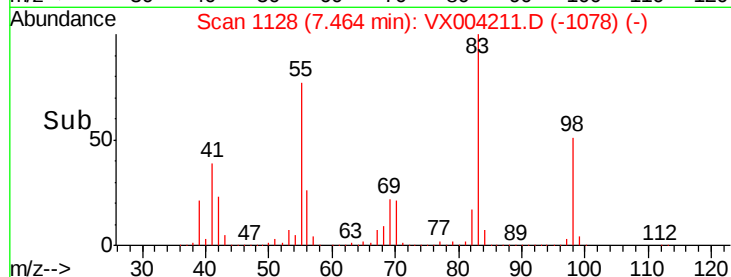
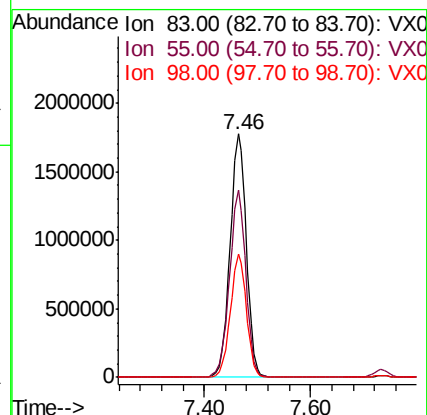
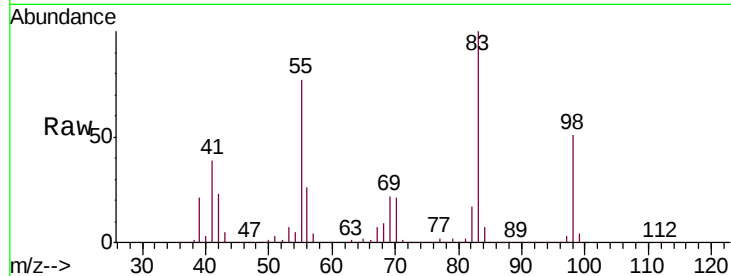




#39
Methylcyclohexane
Concen: 597.334 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

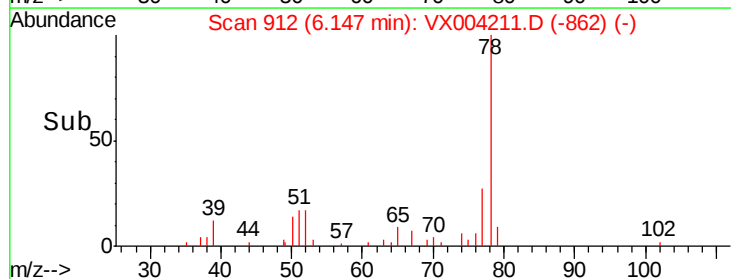
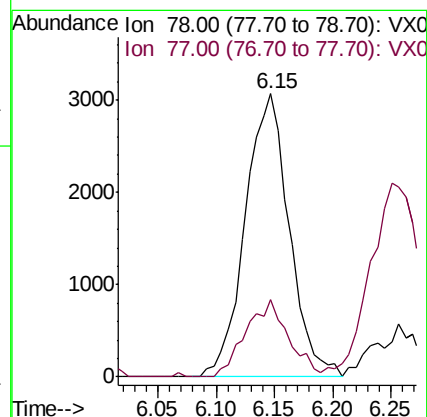
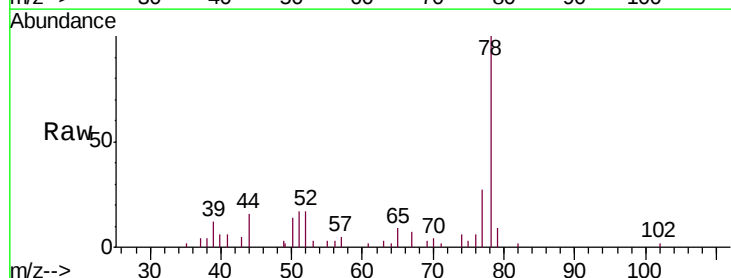
Instrument :
MSVOA_X
ClientSampled :
FL-0546

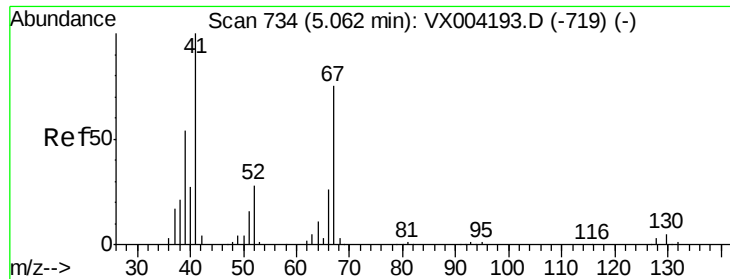
Tgt Ion: 83 Resp: 3817919
Ion Ratio Lower Upper
83 100
55 76.7 61.0 91.4
98 50.7 39.6 59.4



#40
Benzene
Concen: 0.481 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 78 Resp: 8044
Ion Ratio Lower Upper
78 100
77 27.2 19.0 28.4

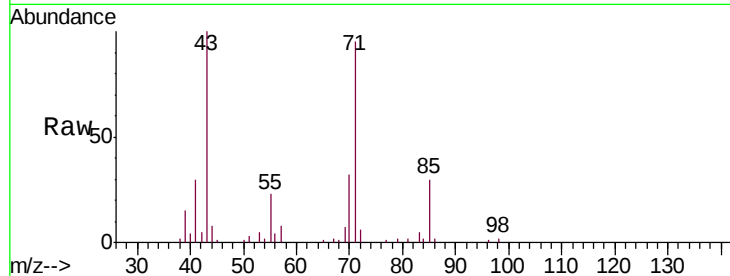




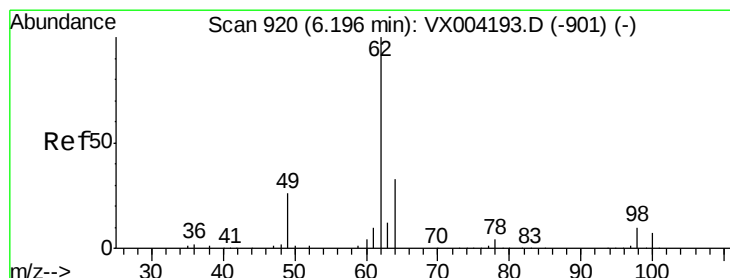
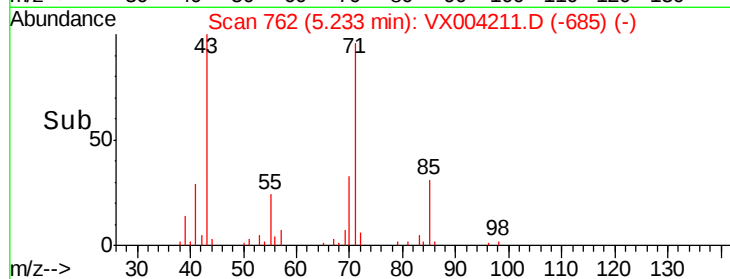
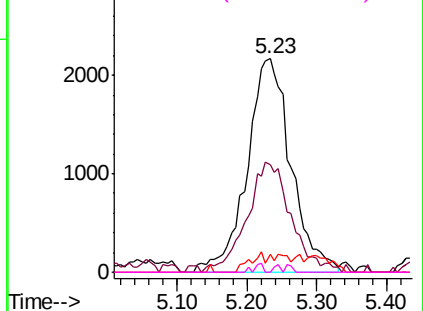
#41
Methacrylonitrile
Concen: 2.957 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.17 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
FL-0546

Tgt Ion: 41 Resp: 9437
Ion Ratio Lower Upper
41 100
39 51.6 42.4 63.6
67 3.3 59.2 88.8#
52 0.8 23.0 34.4#

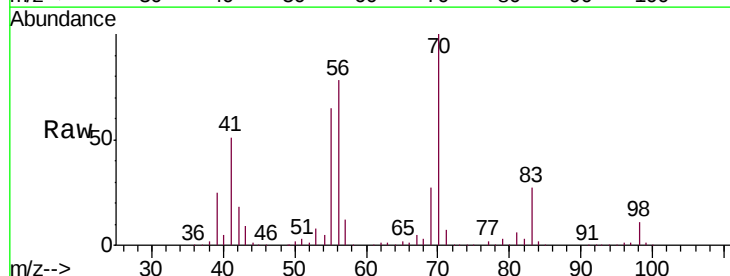


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

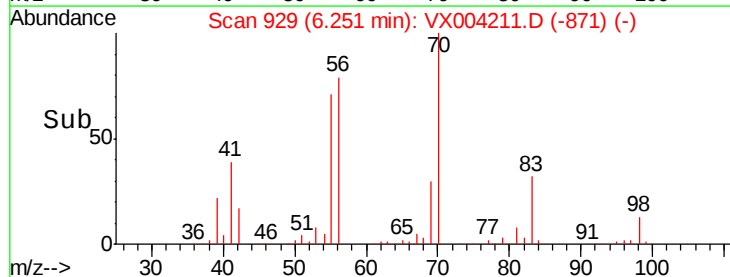
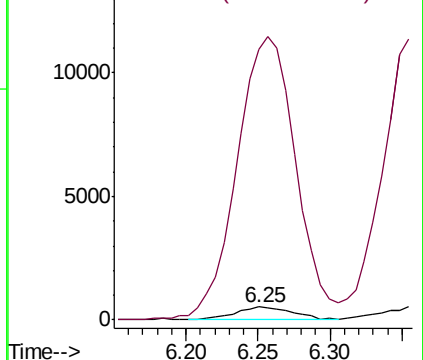


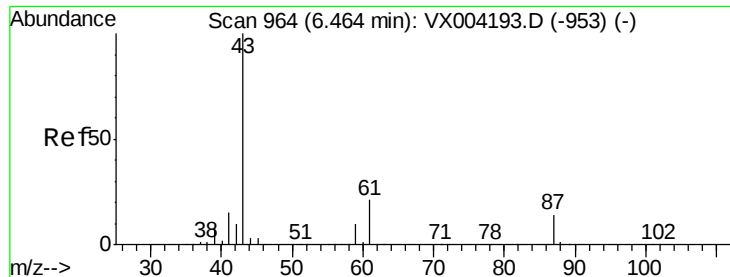
#42
1,2-Dichloroethane
Concen: 0.256 ug/l
RT: 6.25 min Scan# 929
Delta R.T. 0.05 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 62 Resp: 1462
Ion Ratio Lower Upper
62 100
98 2232.9 0.0 20.6#



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 4.903 ug/l

RT: 6.45 min Scan# 962

Delta R.T. -0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

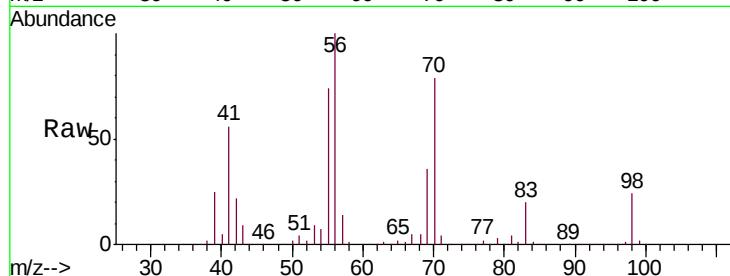
Tgt Ion: 43 Resp: 41484

Ion Ratio Lower Upper

43 100

61 2.4 17.0 25.4#

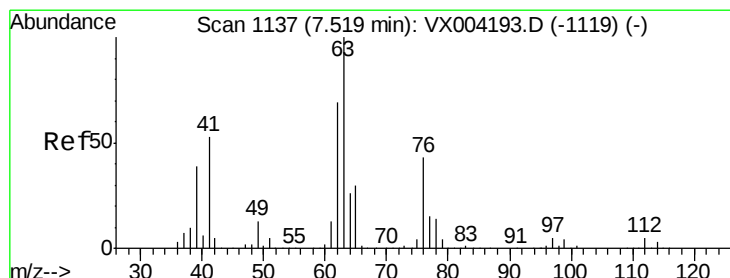
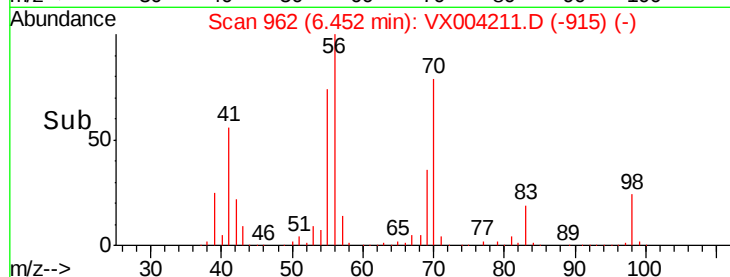
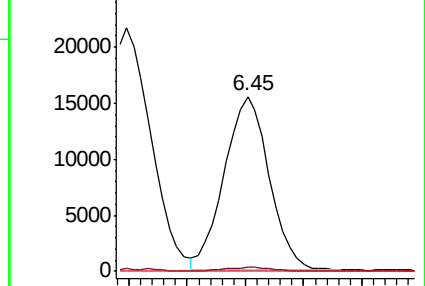
87 0.0 11.4 17.2#



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



#45

1,2-Dichloropropane

Concen: 7.536 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.06 min

Lab File: VX004211.D

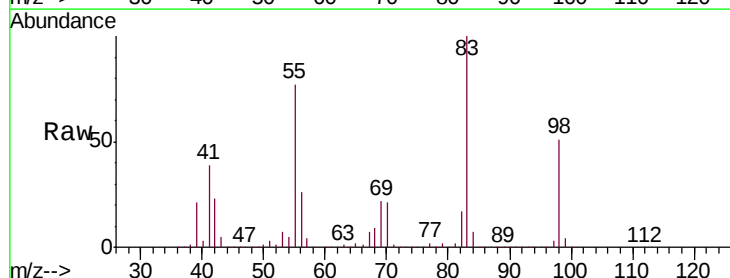
Acq: 22 Aug 2018 20:50

Tgt Ion: 63 Resp: 31549

Ion Ratio Lower Upper

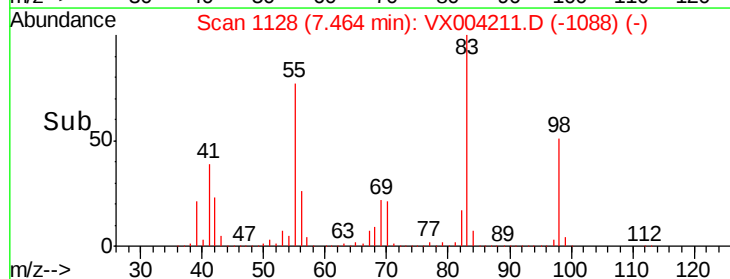
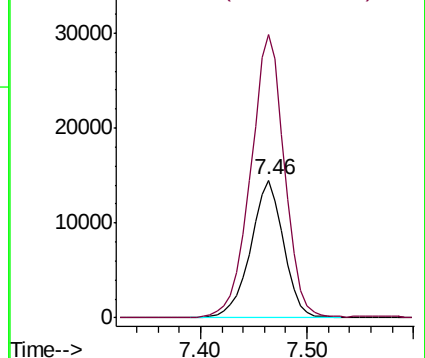
63 100

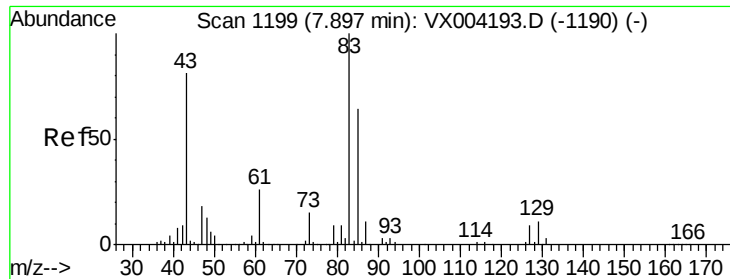
65 205.3 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#47

Bromodichloromethane

Concen: 0.864 ug/l

RT: 7.85 min Scan# 1191

Delta R.T. -0.05 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

FL-0546

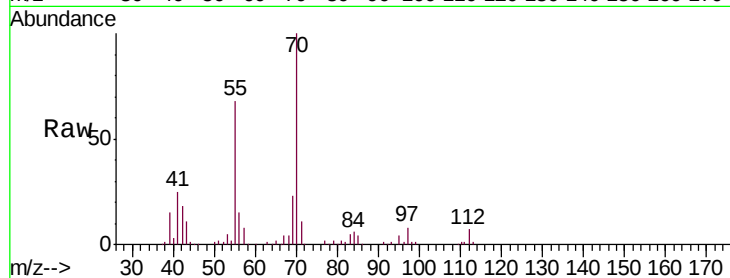
Tgt Ion: 83 Resp: 4480

Ion Ratio Lower Upper

83 100

85 74.9 50.9 76.3

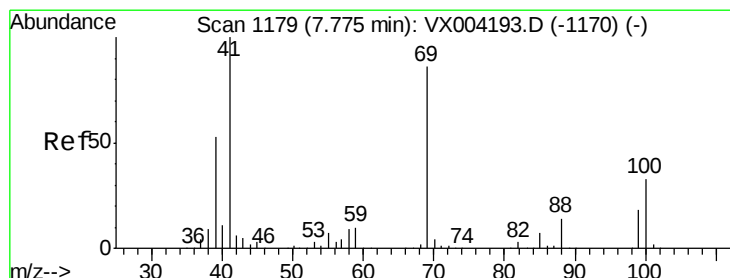
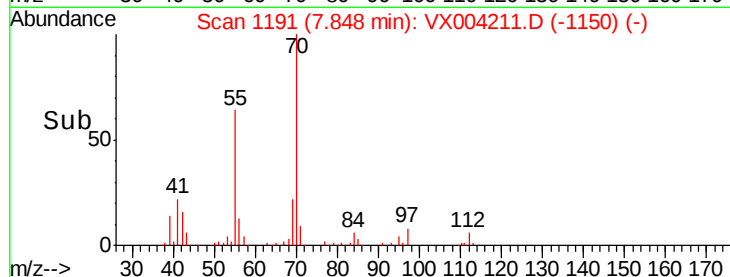
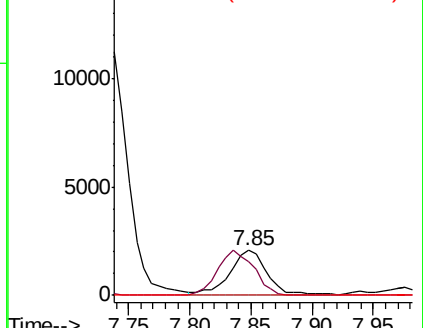
127 0.0 7.3 10.9#



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

Methyl methacrylate

Concen: 30.747 ug/l

RT: 7.73 min Scan# 1172

Delta R.T. -0.04 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

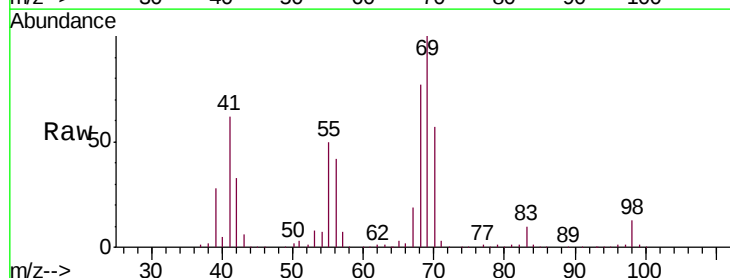
Tgt Ion: 41 Resp: 139188

Ion Ratio Lower Upper

41 100

69 162.7 70.2 105.4#

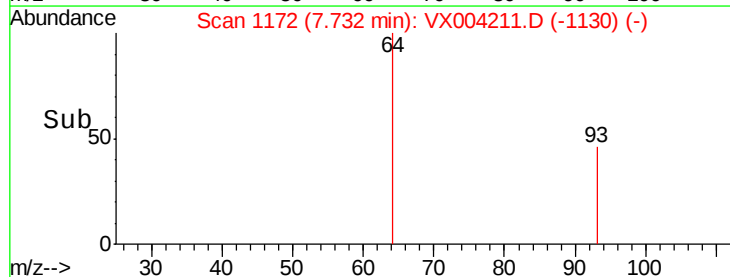
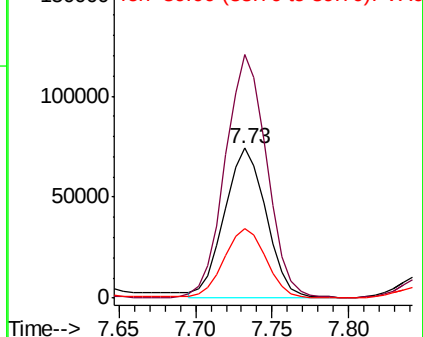
39 46.8 42.7 64.1

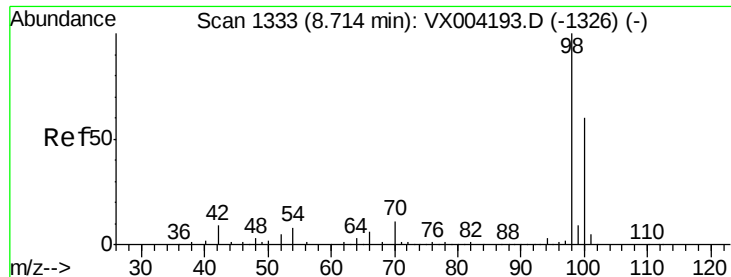


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

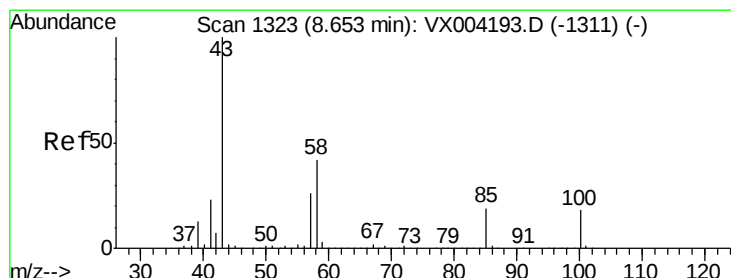
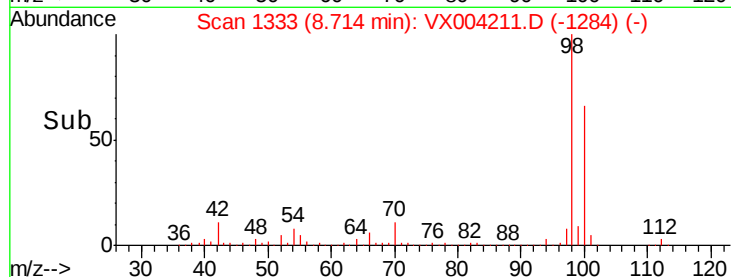
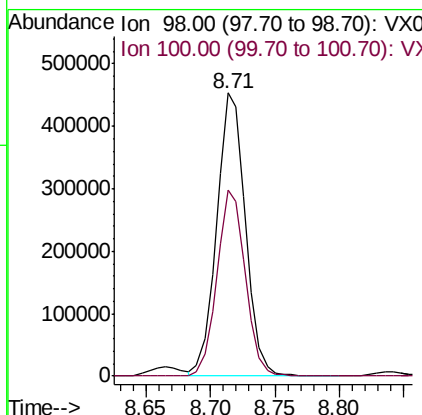
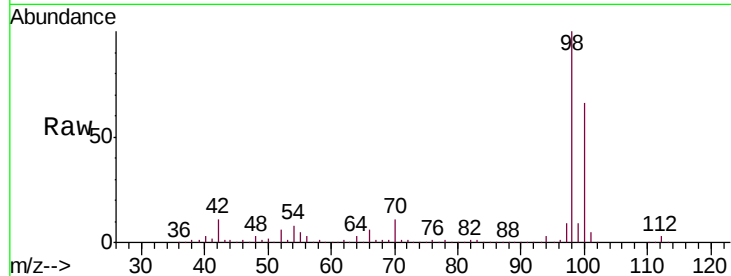




#50
Toluene-d8
Concen: 50.822 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

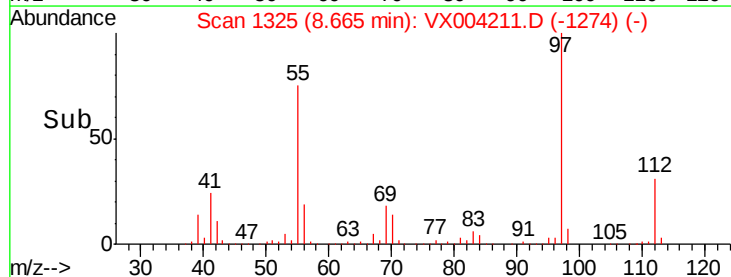
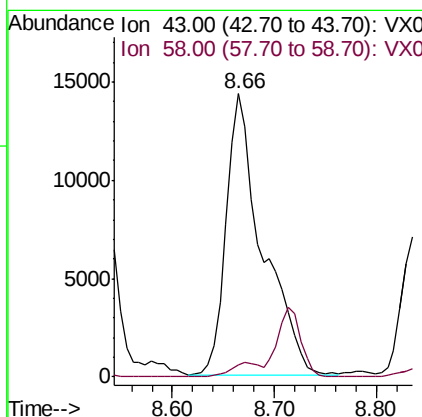
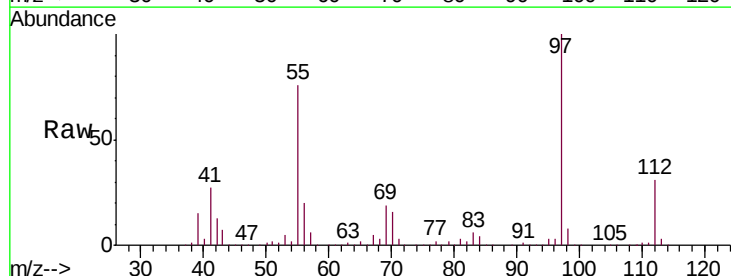
Instrument :
MSVOA_X
ClientSampled :
FL-0546

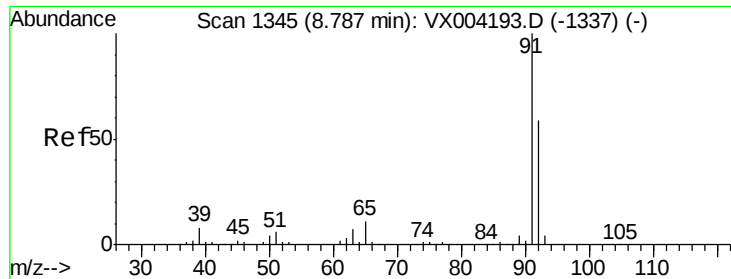
Tgt Ion: 98 Resp: 710647
Ion Ratio Lower Upper
98 100
100 65.1 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 5.716 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 43 Resp: 35134
Ion Ratio Lower Upper
43 100
58 4.2 33.1 49.7#





#52

Toluene

Concen: 1.431 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

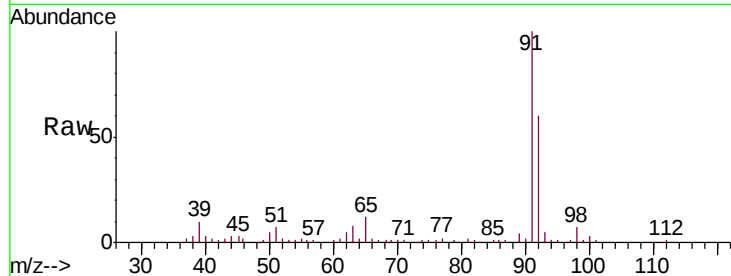
FL-0546

Tgt Ion: 92 Resp: 14979

Ion Ratio Lower Upper

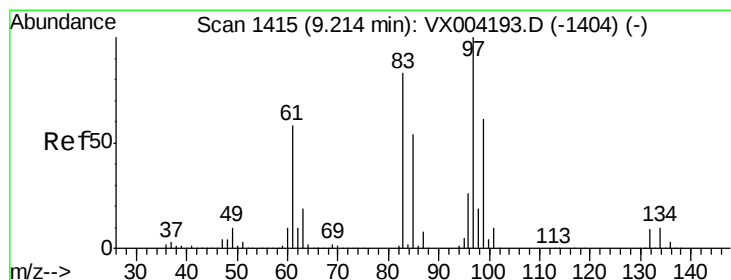
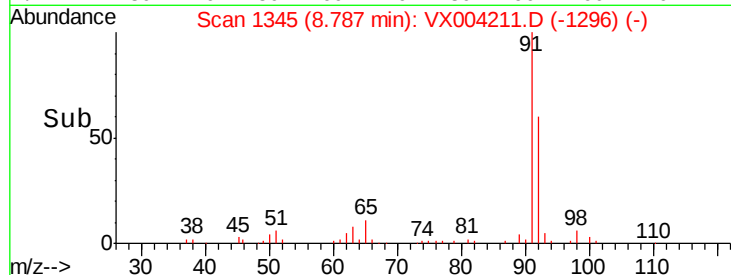
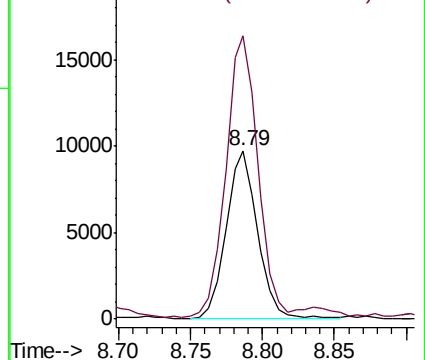
92 100

91 168.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#55

1,1,2-Trichloroethane

Concen: 28.270 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.05 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Tgt Ion: 97 Resp: 119498

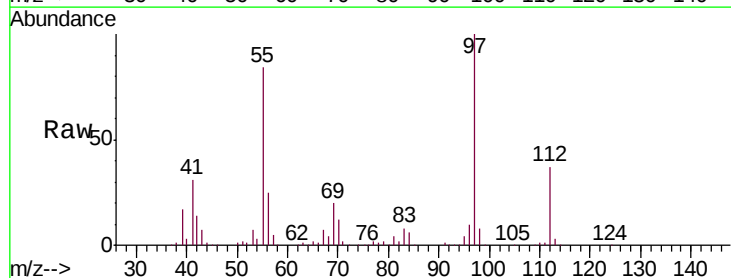
Ion Ratio Lower Upper

97 100

83 8.1 66.4 99.6#

85 0.3 43.3 64.9#

99 0.3 49.0 73.4#

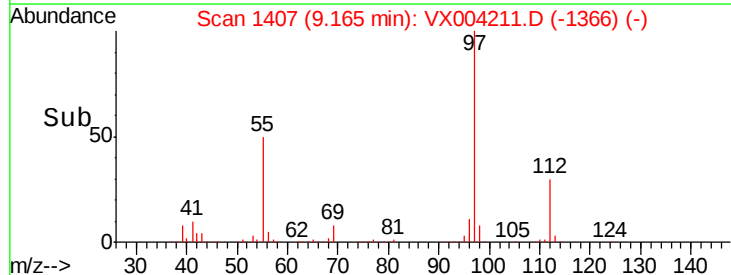
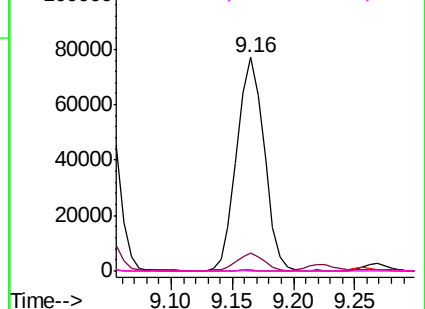


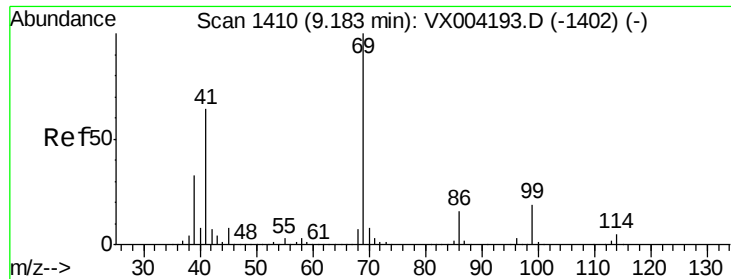
Abundance Ion 96.90 (96.60 to 97.60): VX0

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





#56

Ethyl methacrylate

Concen: 4.445 ug/l

RT: 9.16 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

FL-0546

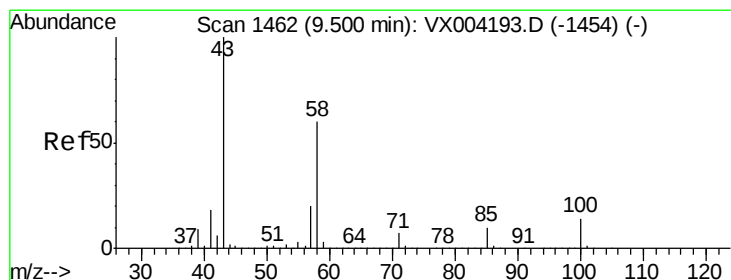
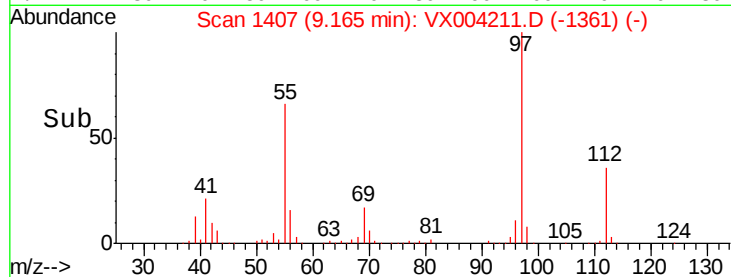
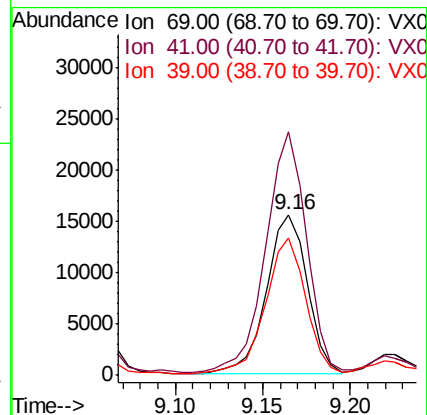
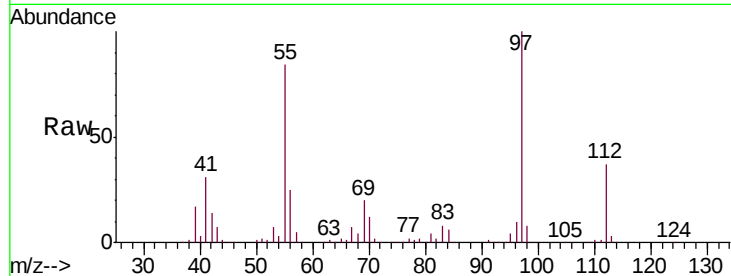
Tgt Ion: 69 Resp: 25580

Ion Ratio Lower Upper

69 100

41 148.3 51.0 76.4#

39 82.9 26.1 39.1#



#59

2-Hexanone

Concen: 0.252 ug/l

RT: 9.31 min Scan# 1431

Delta R.T. -0.19 min

Lab File: VX004211.D

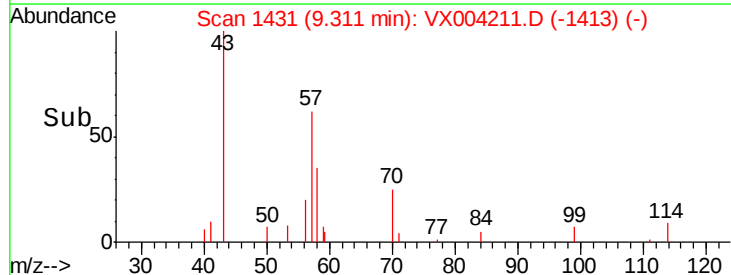
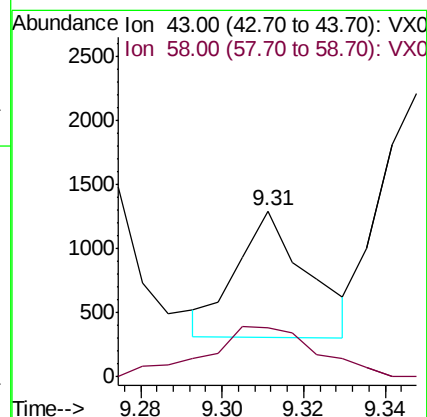
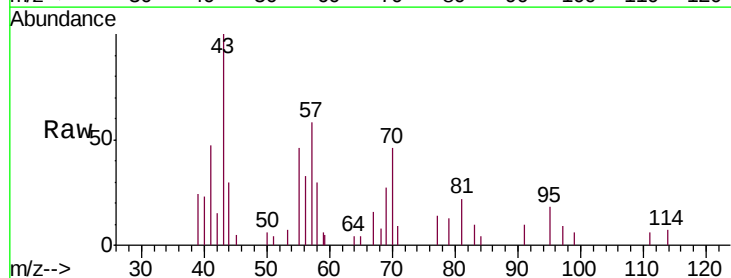
Acq: 22 Aug 2018 20:50

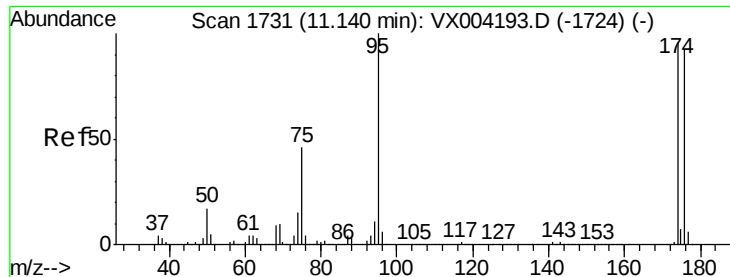
Tgt Ion: 43 Resp: 1182

Ion Ratio Lower Upper

43 100

58 62.6 29.0 87.0

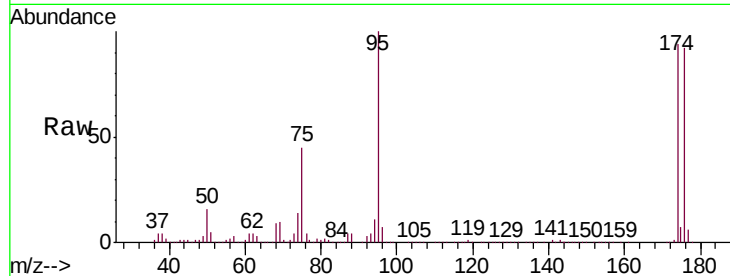




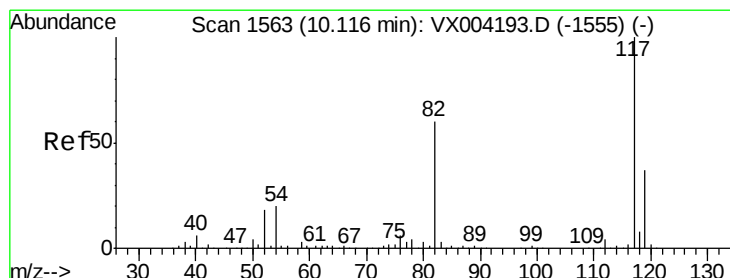
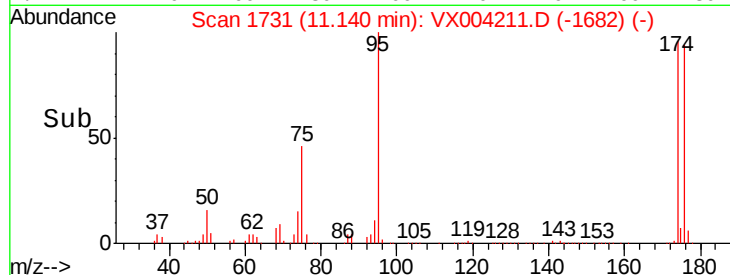
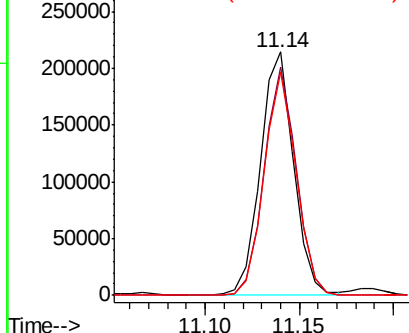
#62
4-Bromofluorobenzene
Concen: 49.993 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
FL-0546

Tgt Ion: 95 Resp: 260837
Ion Ratio Lower Upper
95 100
174 91.3 0.0 185.2
176 88.9 0.0 178.6

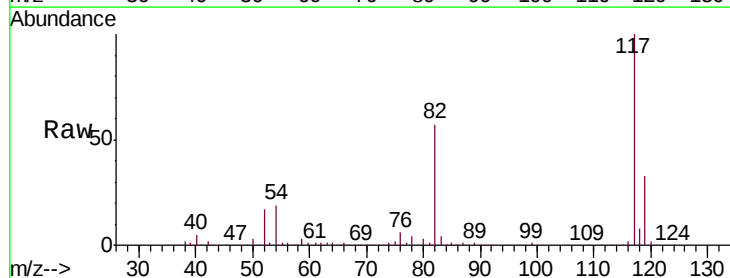


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

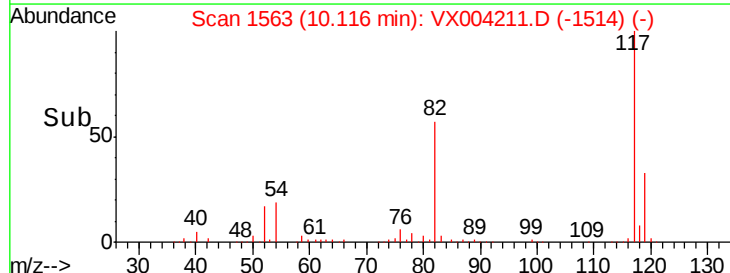
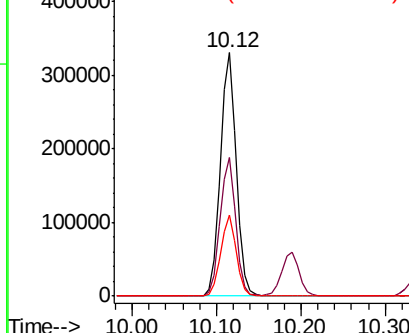


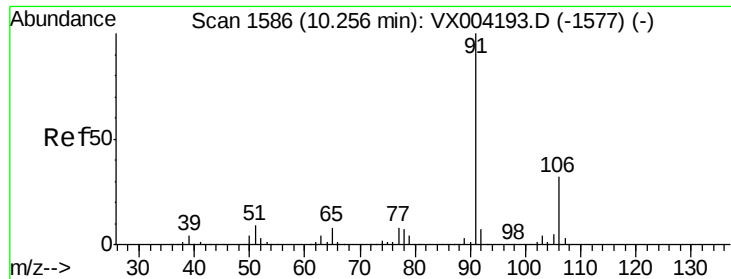
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion: 117 Resp: 433378
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.6
119 33.1 29.3 43.9



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: 19.641 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

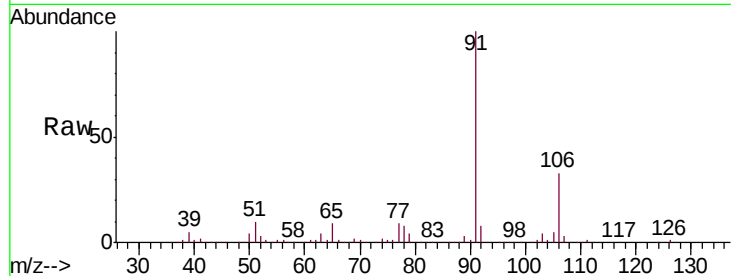
FL-0546

Tgt Ion: 91 Resp: 346947

Ion Ratio Lower Upper

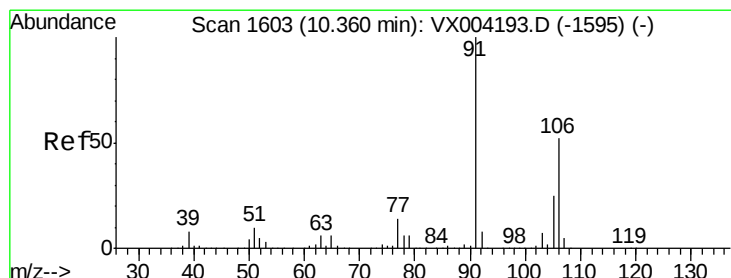
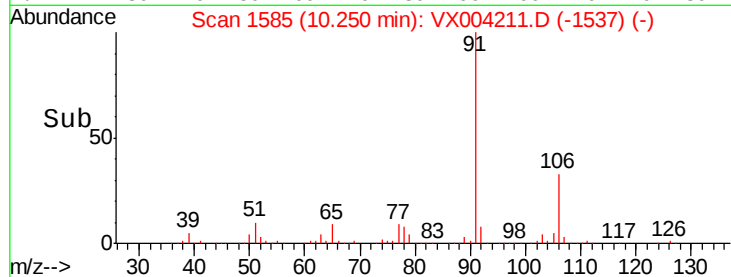
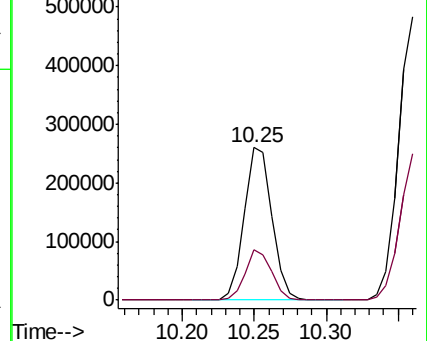
91 100

106 33.1 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.602 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004211.D

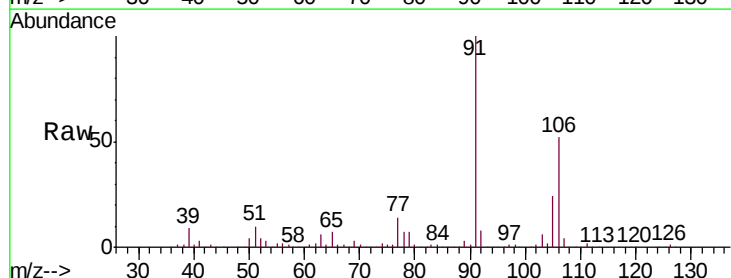
Acq: 22 Aug 2018 20:50

Tgt Ion: 106 Resp: 321882

Ion Ratio Lower Upper

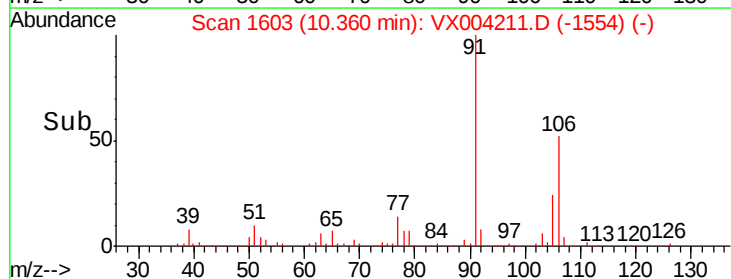
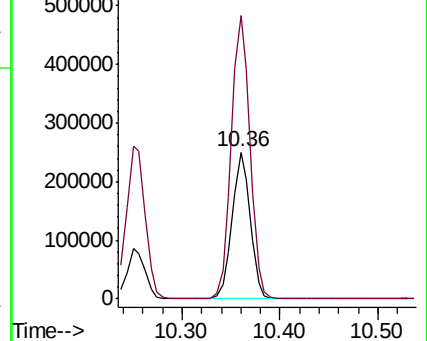
106 100

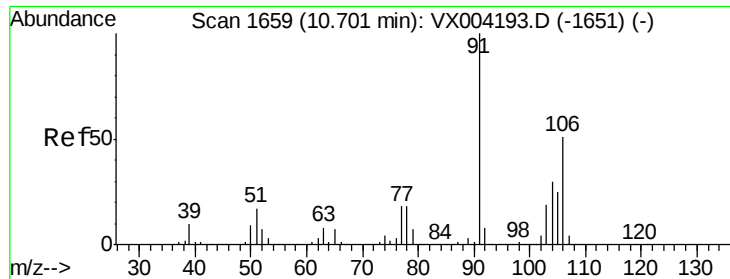
91 199.4 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

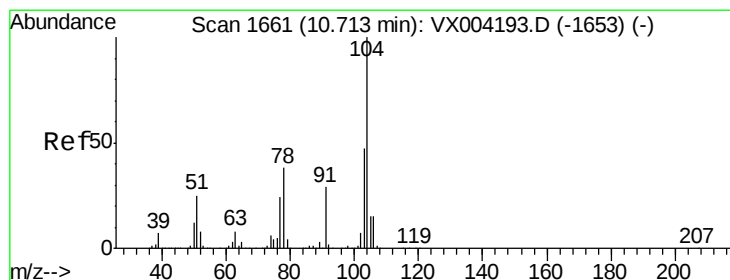
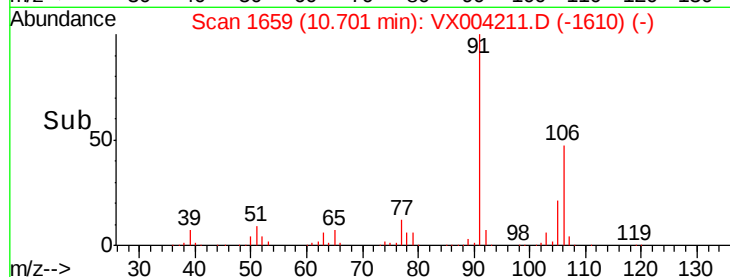
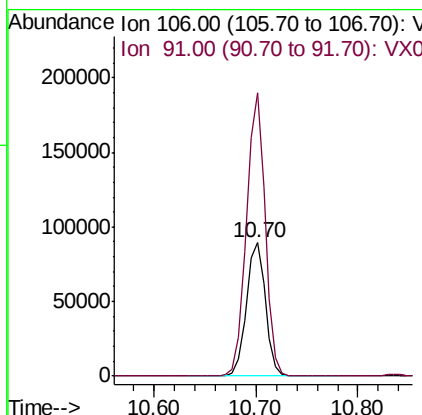
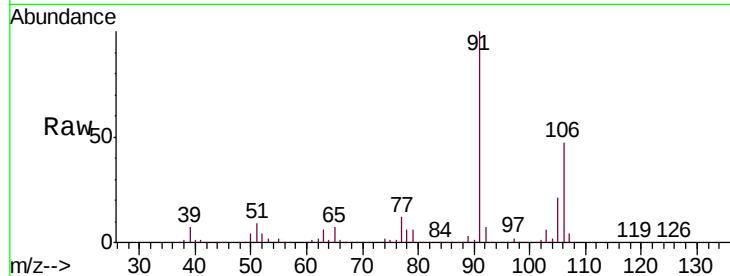




#69
o-Xylene
Concen: 17.728 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

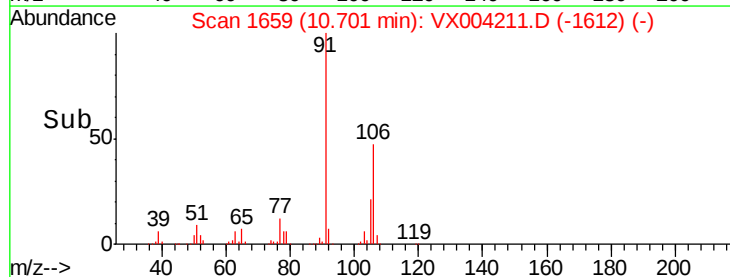
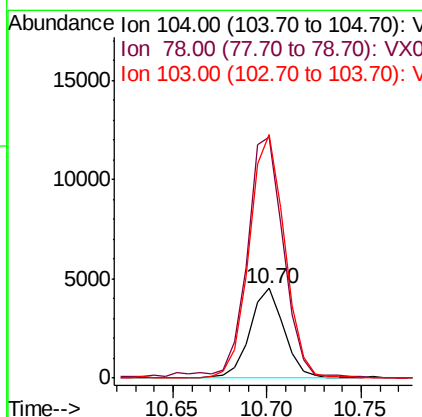
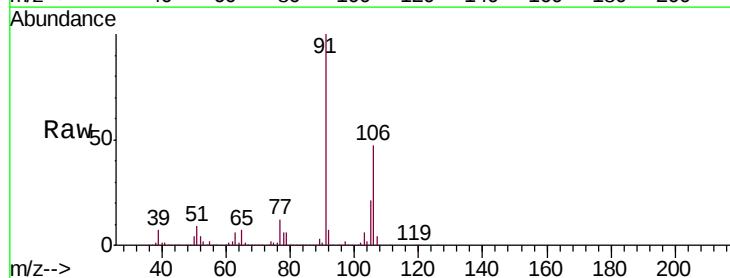
Instrument :
MSVOA_X
ClientSampled :
FL-0546

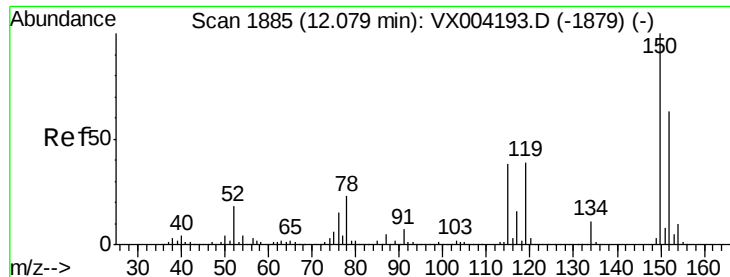
Tgt Ion:106 Resp: 115828
Ion Ratio Lower Upper
106 100
91 209.0 105.1 315.1



#70
Styrene
Concen: 0.538 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX004211.D
Acq: 22 Aug 2018 20:50

Tgt Ion:104 Resp: 5688
Ion Ratio Lower Upper
104 100
78 294.3 37.4 56.0#
103 281.2 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

FL-0546

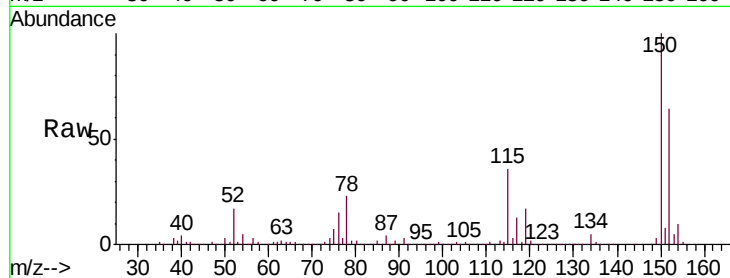
Tgt Ion:152 Resp: 281560

Ion Ratio Lower Upper

152 100

115 61.8 39.0 117.0

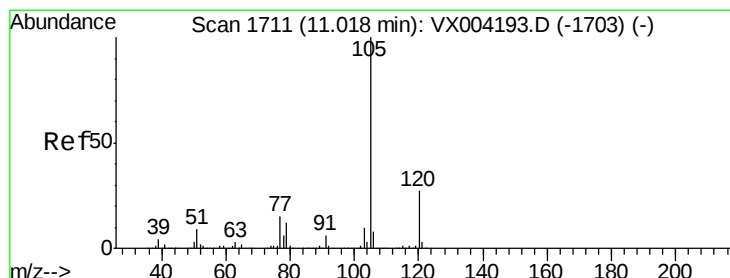
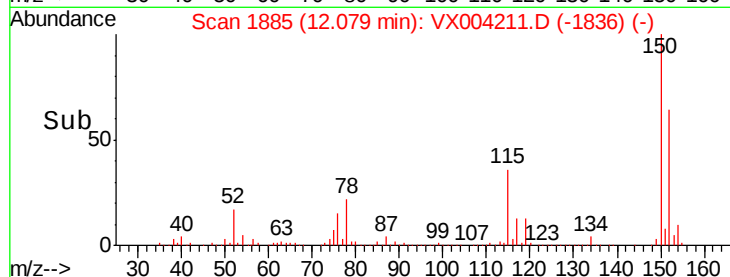
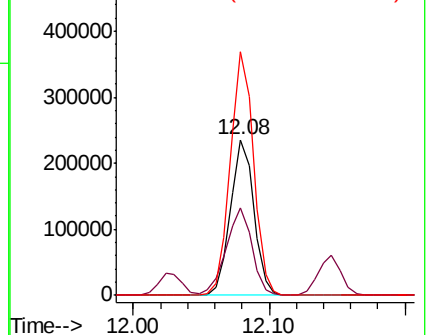
150 155.6 0.0 351.0



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: 53.693 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004211.D

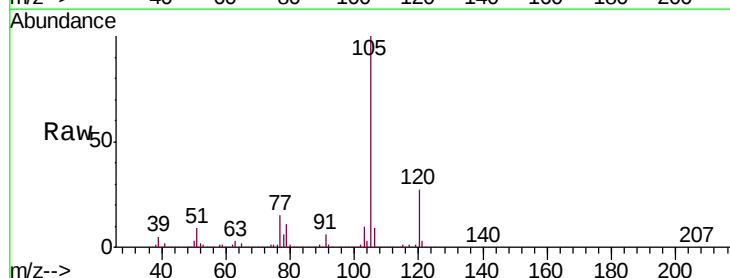
Acq: 22 Aug 2018 20:50

Tgt Ion:105 Resp: 992911

Ion Ratio Lower Upper

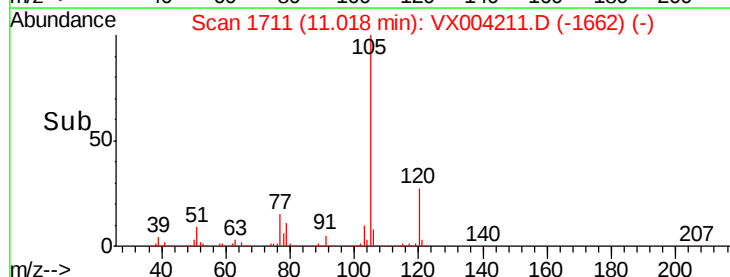
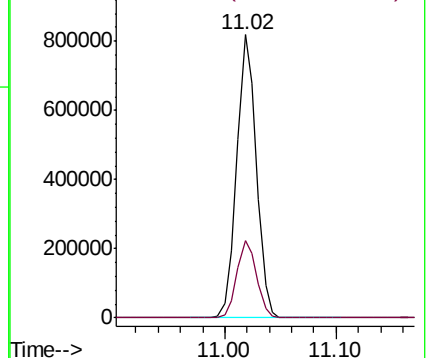
105 100

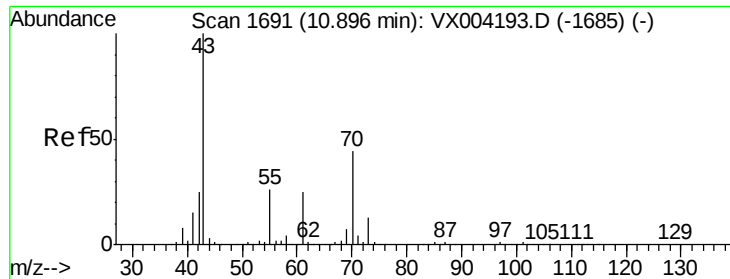
120 27.6 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 0.464 ug/l

RT: 10.91 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

Tgt Ion: 43 Resp: 3305

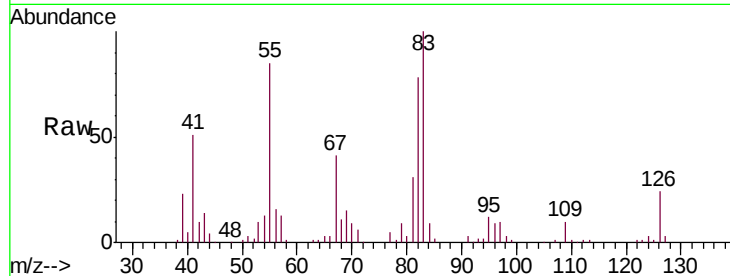
Ion Ratio Lower Upper

43 100

70 125.7 37.4 56.0#

55 713.3 21.8 32.8#

61 0.0 20.6 30.8#



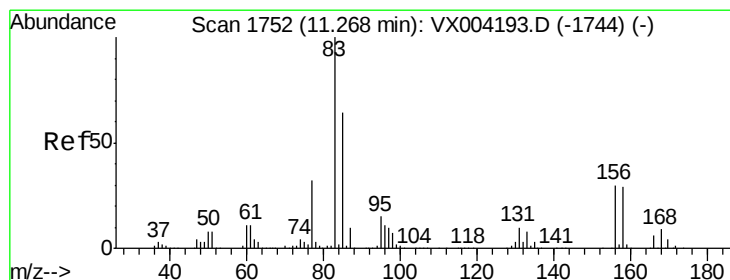
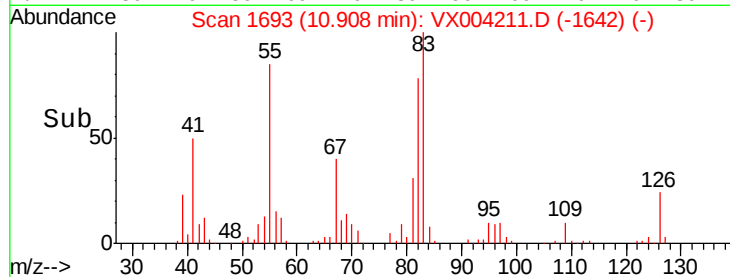
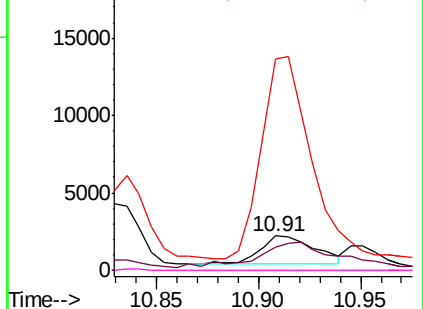
Abundance

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: 0.717 ug/l

RT: 11.28 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

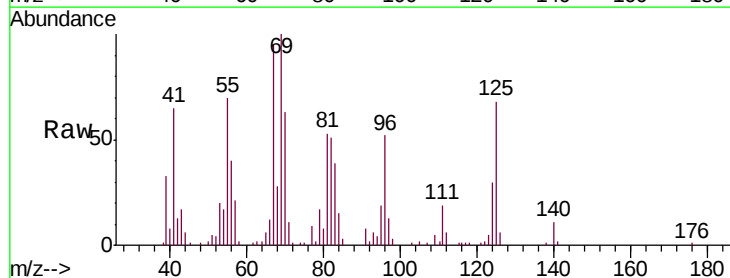
Tgt Ion: 83 Resp: 4638

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 12.5 32.3 96.8#

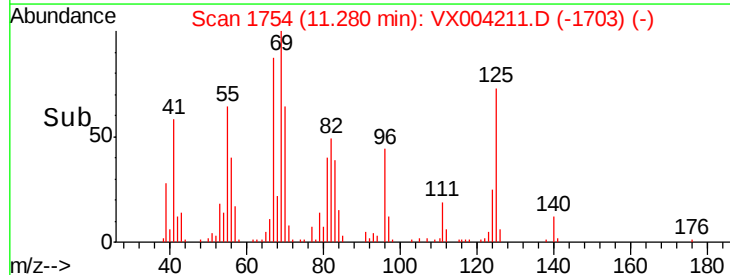
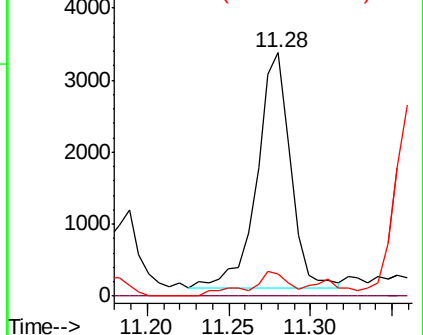


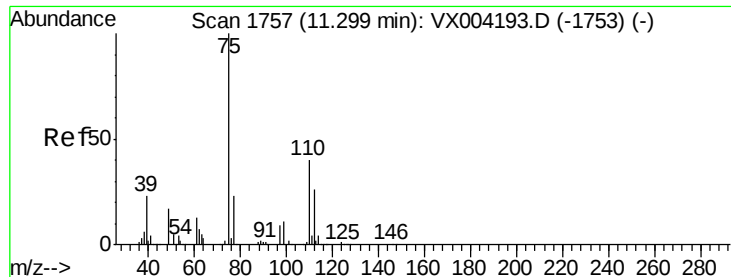
Abundance

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: 3.076 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.06 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

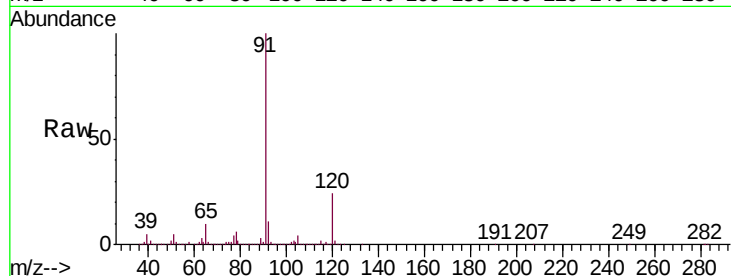
FL-0546

Tgt Ion: 75 Resp: 17613

Ion Ratio Lower Upper

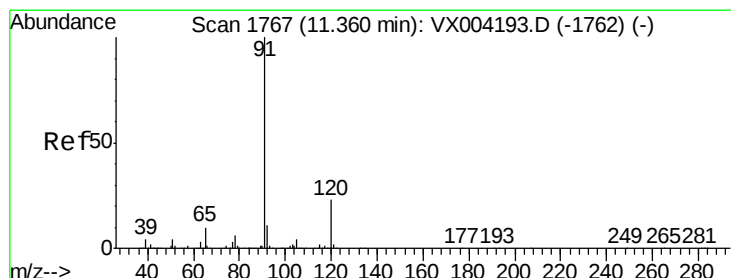
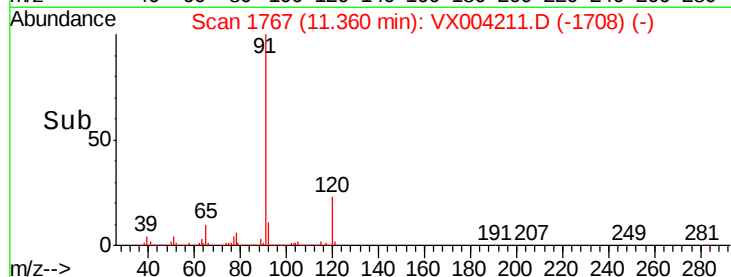
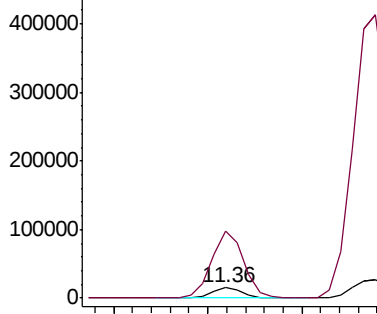
75 100

77 655.5 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 140.645 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004211.D

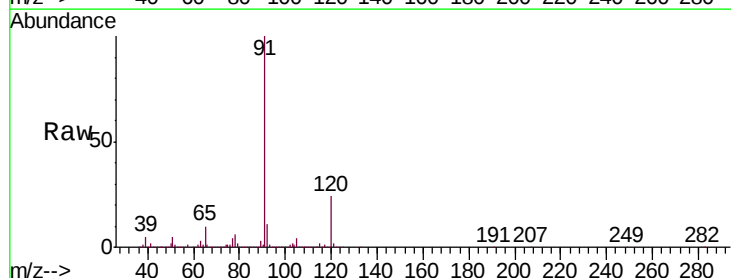
Acq: 22 Aug 2018 20:50

Tgt Ion: 91 Resp: 2991362

Ion Ratio Lower Upper

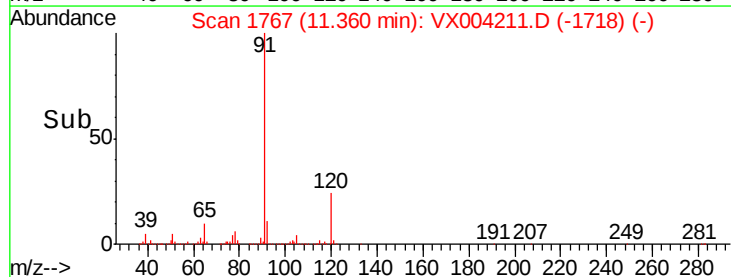
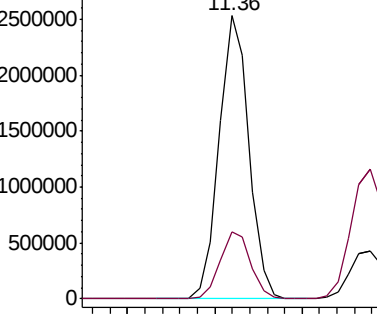
91 100

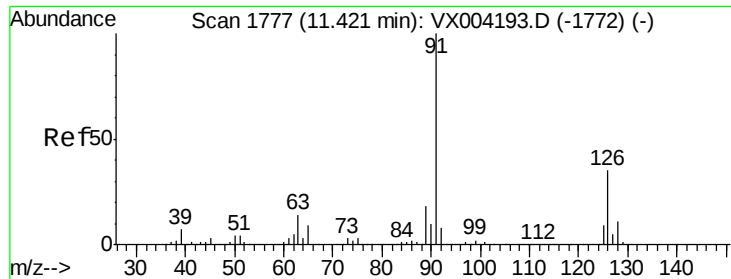
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

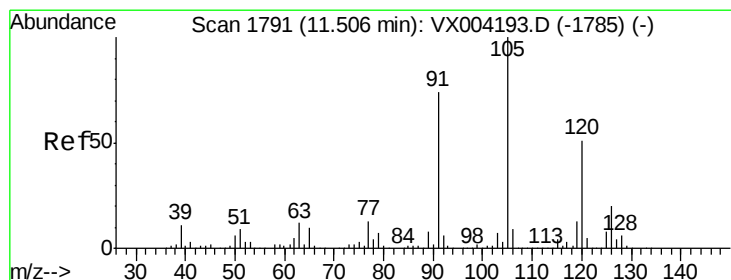
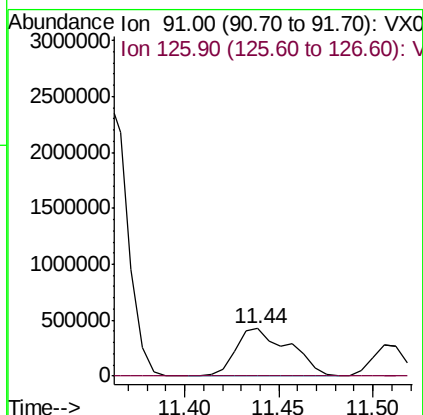
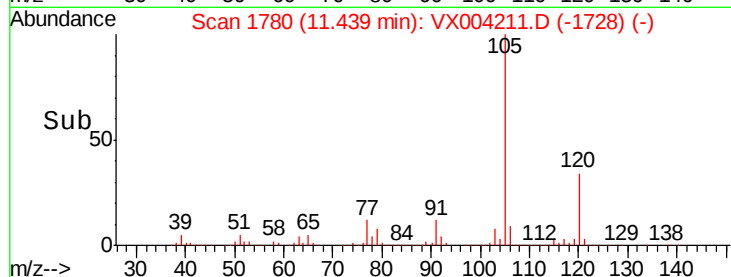
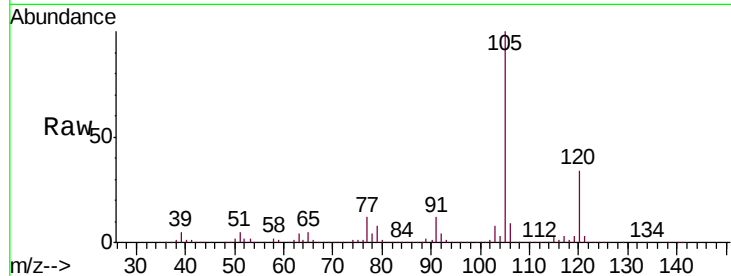




#79
 2-Chlorotoluene
 Concen: 64.292 ug/l
 RT: 11.44 min Scan# 1780
 Delta R.T. 0.02 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

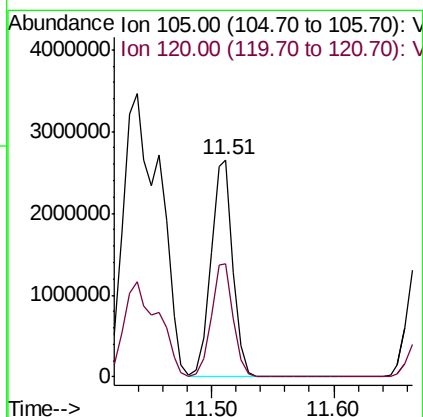
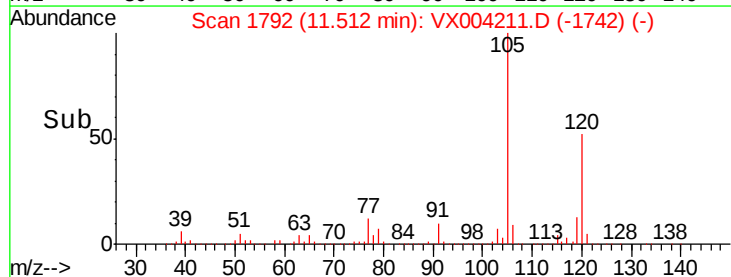
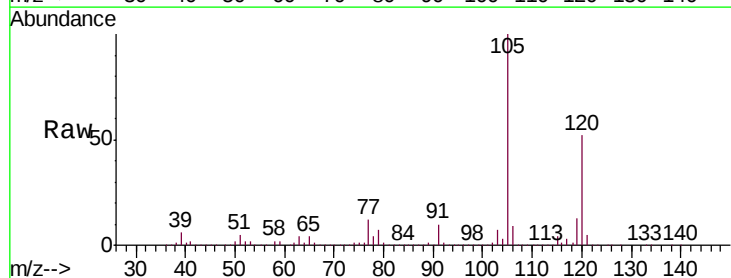
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546

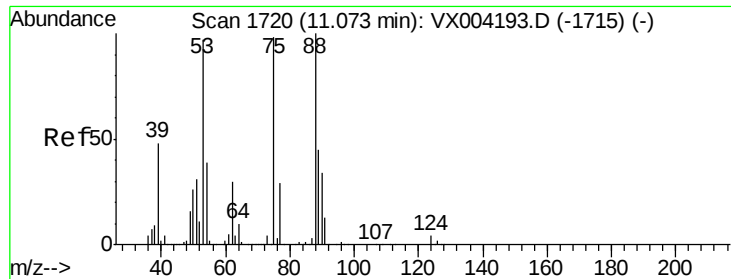
Tgt Ion: 91 Resp: 841657
 Ion Ratio Lower Upper
 91 100
 126 0.1 17.9 53.7#



#80
 1,3,5-Trimethylbenzene
 Concen: 216.029 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

Tgt Ion: 105 Resp: 3308342
 Ion Ratio Lower Upper
 105 100
 120 52.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 6.269 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.06 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

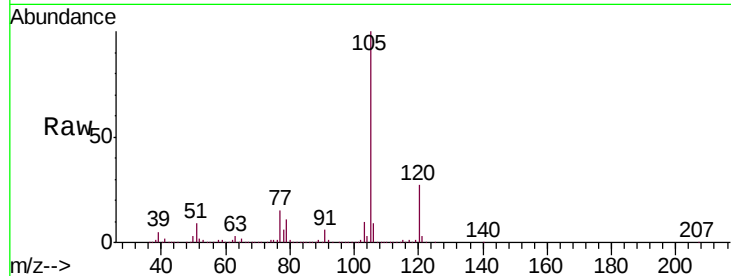
Tgt Ion: 75 Resp: 11065

Ion Ratio Lower Upper

75 100

53 106.9 80.1 120.1

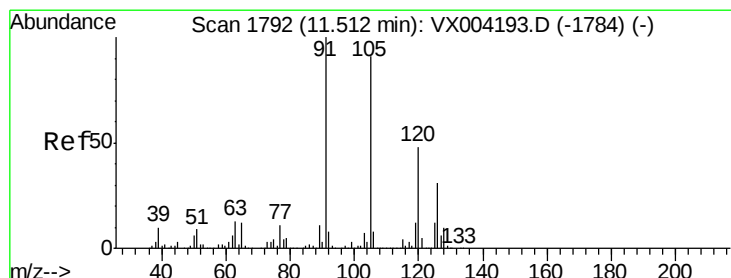
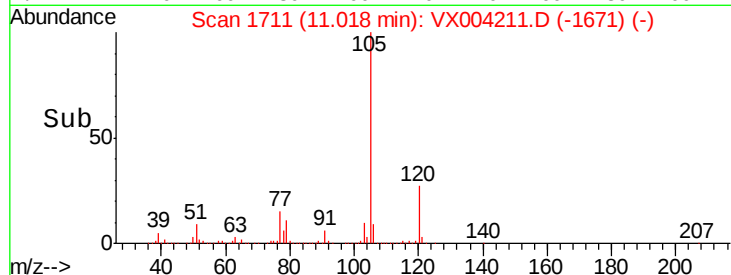
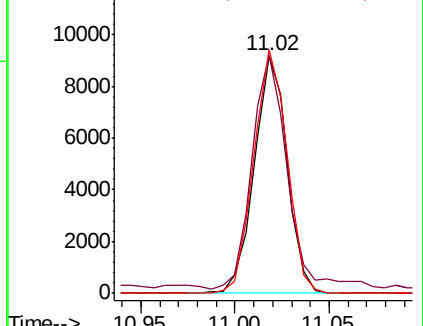
89 103.9 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 22.236 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX004211.D

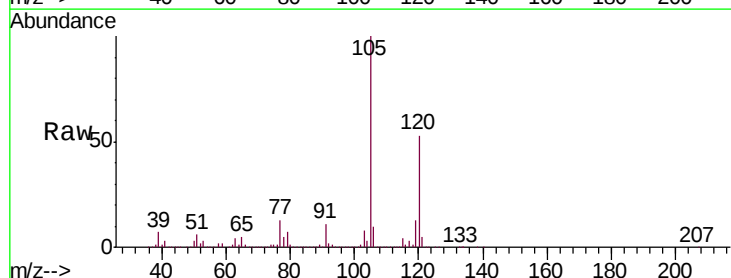
Acq: 22 Aug 2018 20:50

Tgt Ion: 91 Resp: 342534

Ion Ratio Lower Upper

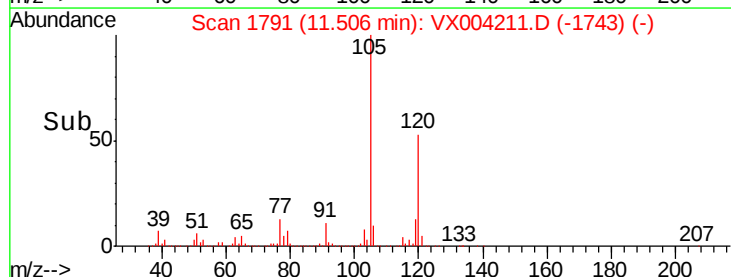
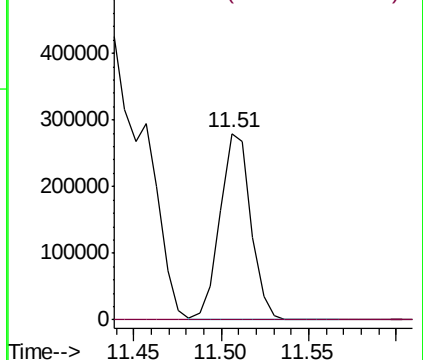
91 100

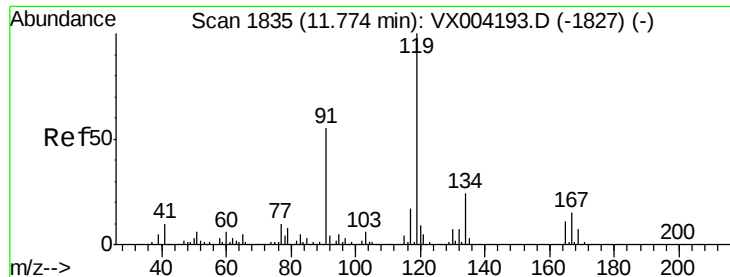
126 0.1 15.5 46.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

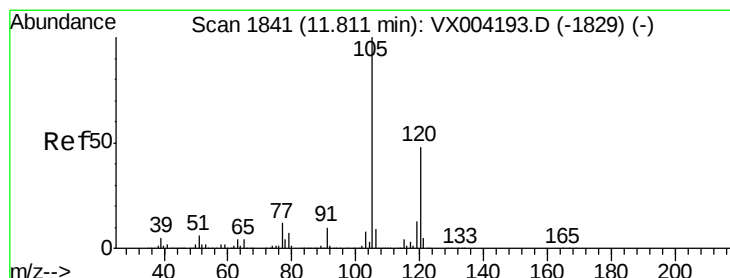
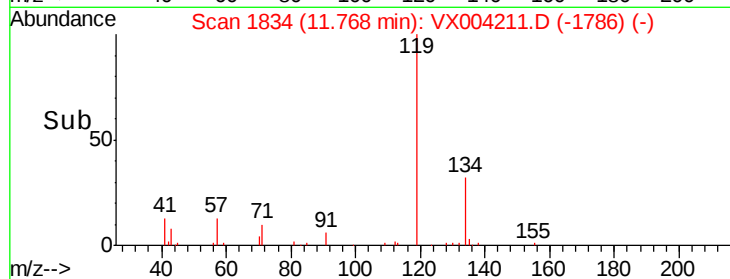
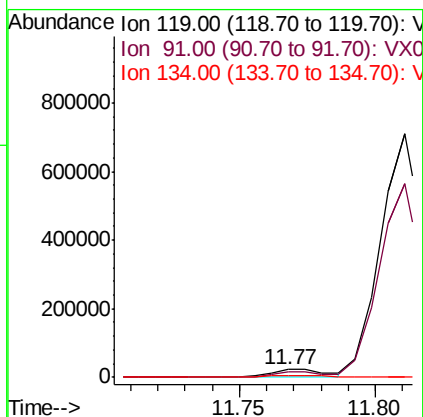
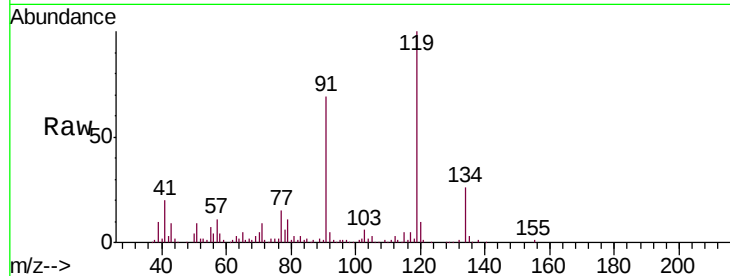




#83
 tert-Butylbenzene
 Concen: 2.107 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

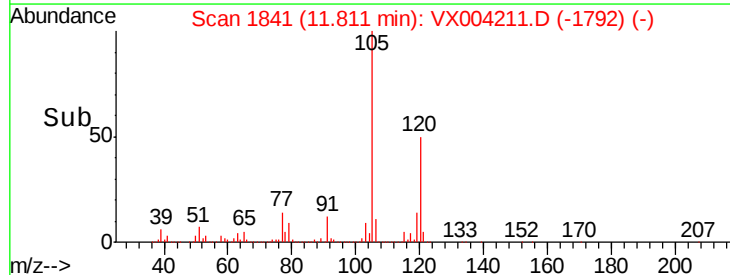
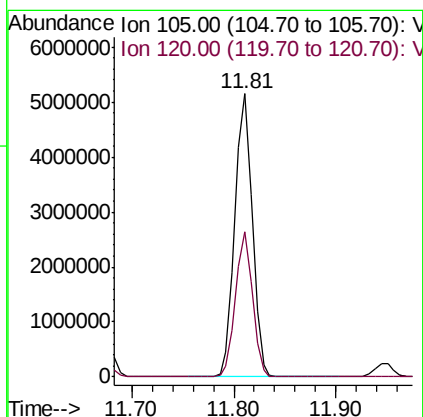
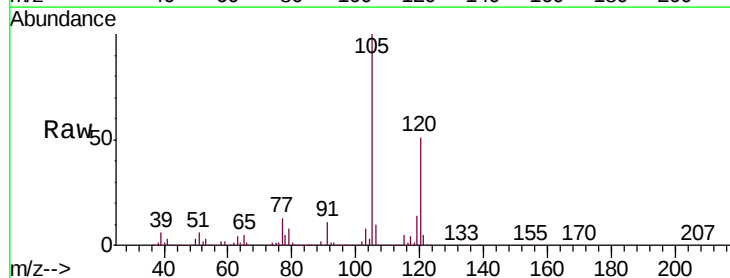
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546

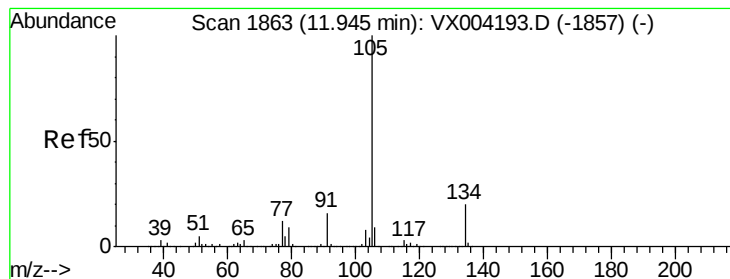
Tgt Ion:119 Resp: 32458
 Ion Ratio Lower Upper
 119 100
 91 0.0 27.0 81.0#
 134 24.9 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 384.793 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004211.D
 Acq: 22 Aug 2018 20:50

Tgt Ion:105 Resp: 6048951
 Ion Ratio Lower Upper
 105 100
 120 49.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 17.149 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

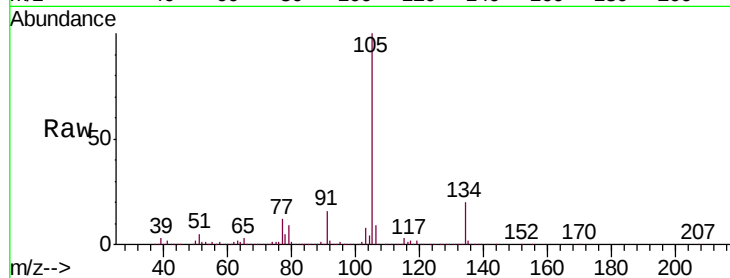
FL-0546

Tgt Ion:105 Resp: 313709

Ion Ratio Lower Upper

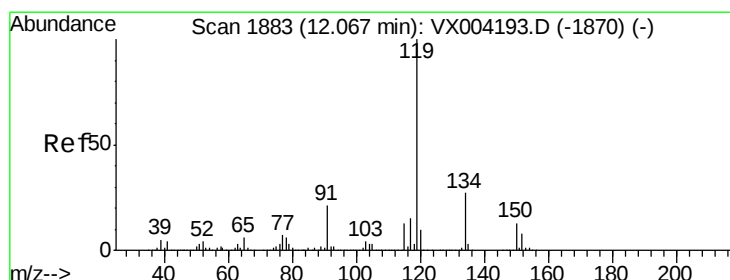
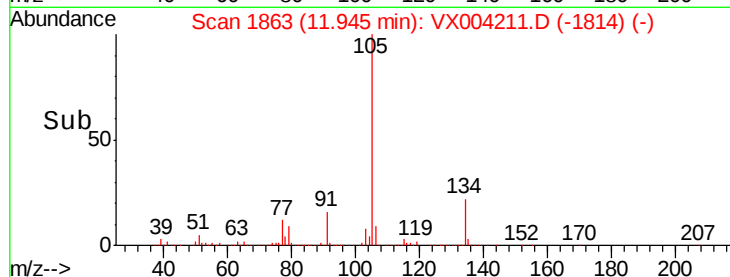
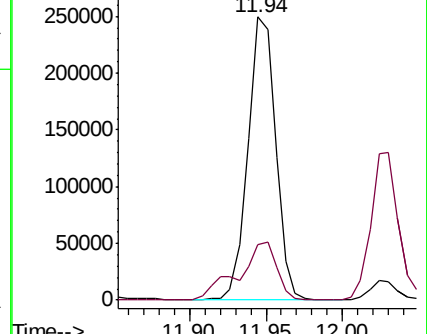
105 100

134 28.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.665 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

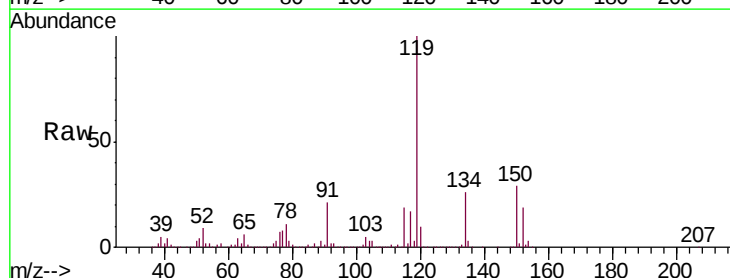
Tgt Ion:119 Resp: 338785

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

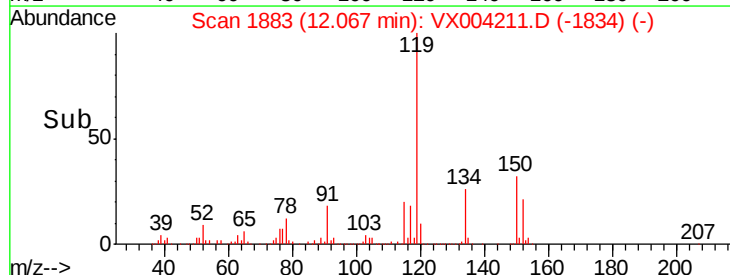
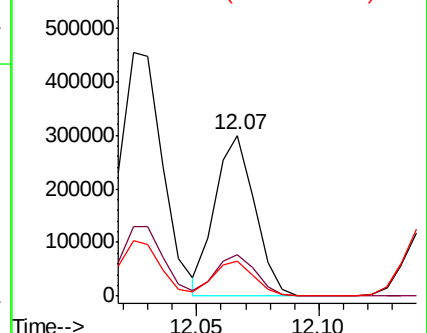
91 21.8 10.9 32.7

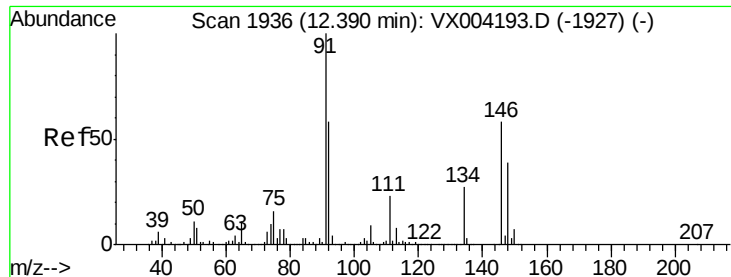


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 18.398 ug/l

RT: 12.38 min Scan# 1934

Delta R.T. -0.01 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

FL-0546

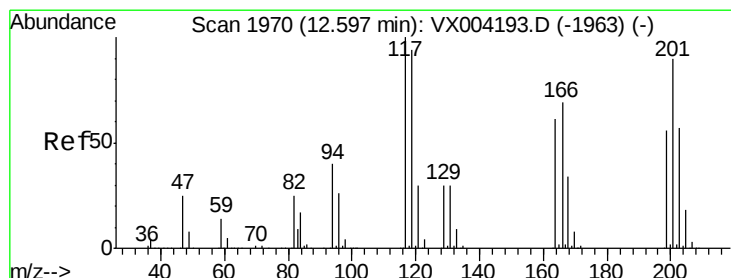
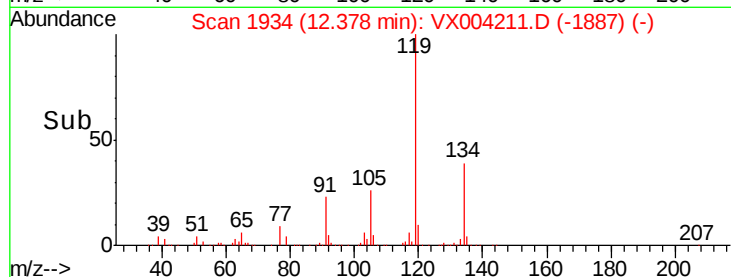
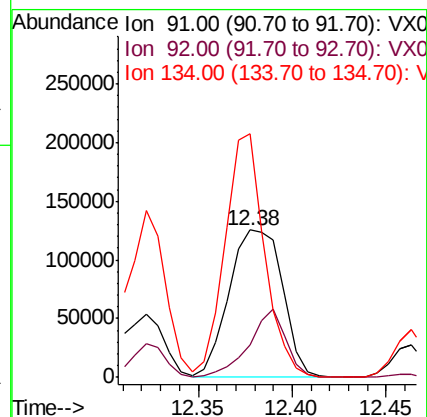
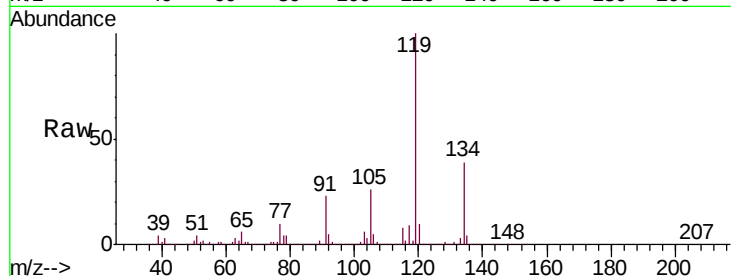
Tgt Ion: 91 Resp: 245265

Ion Ratio Lower Upper

91 100

92 32.1 27.3 81.9

134 122.9 13.6 40.7#



#90

Hexachloroethane

Concen: 17.413 ug/l

RT: 12.59 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VX004211.D

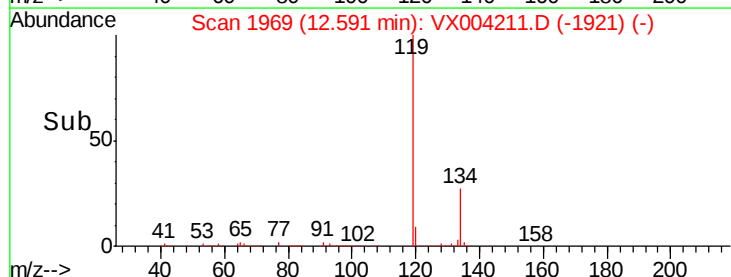
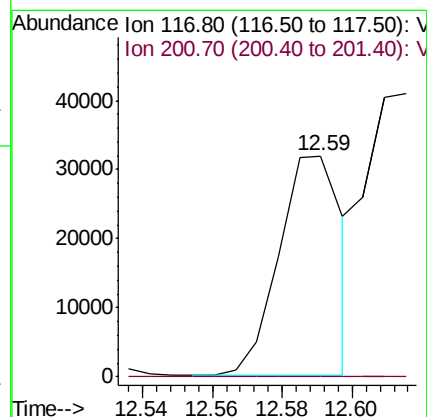
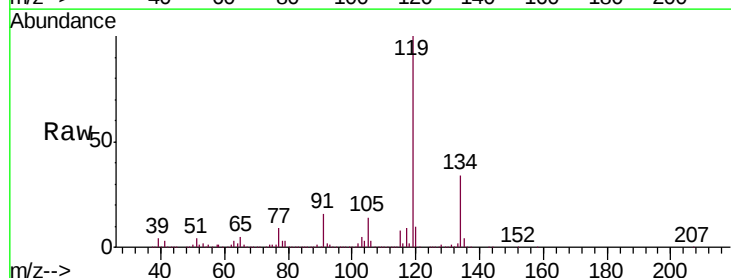
Acq: 22 Aug 2018 20:50

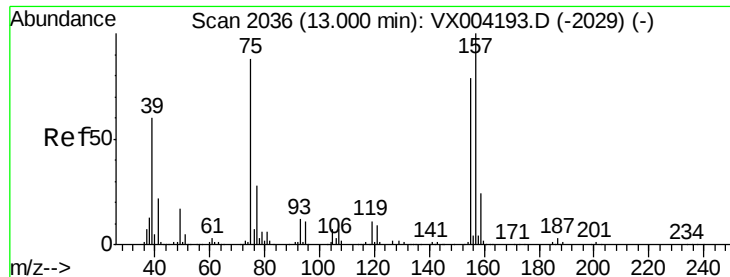
Tgt Ion: 117 Resp: 39899

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.291 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampled :

FL-0546

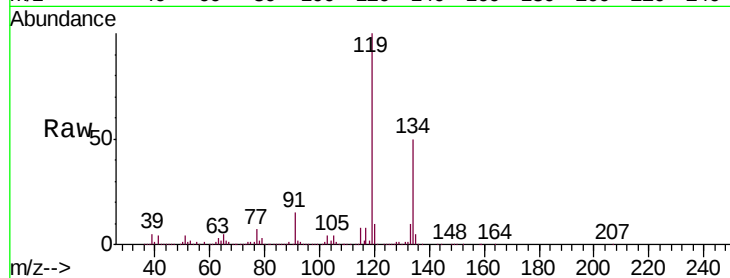
Tgt Ion: 75 Resp: 2611

Ion Ratio Lower Upper

75 100

155 1.4 48.0 144.2#

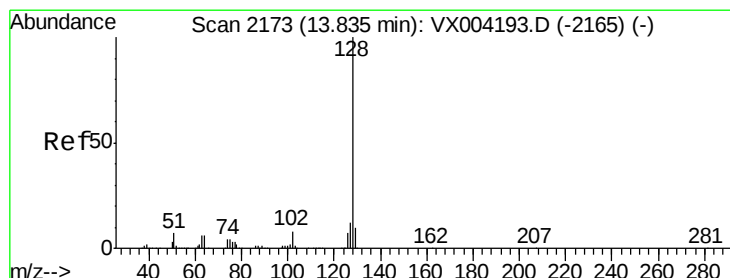
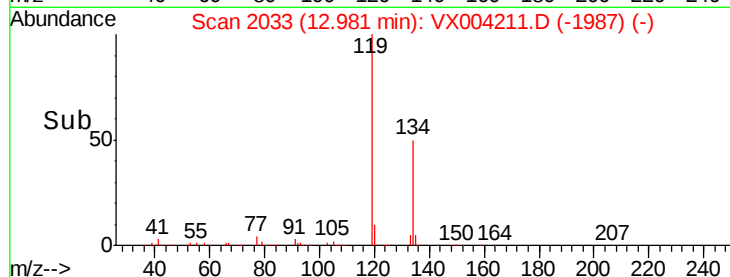
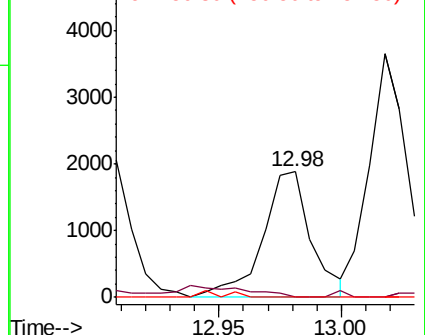
157 0.0 61.4 184.1#



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



#95

Naphthalene

Concen: 23.668 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004211.D

Acq: 22 Aug 2018 20:50

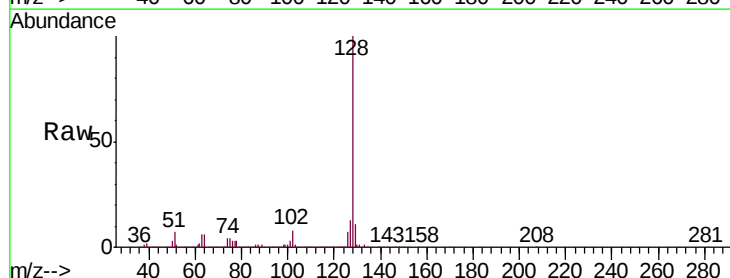
Tgt Ion: 128 Resp: 434776

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.9 8.6 12.8



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

