

Data File : VW006839.D
Acq On : 13 Nov 2018 07:00
Operator : SY/AP
Sample : J5860-15
Misc : 5.15G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

Quant Time: Nov 13 07:37:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	299598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	66950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	88129	60.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.76%	
35) Dibromofluoromethane	7.88	113	83861	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
50) Toluene-d8	10.33	98	273117	36.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.88%	
62) 4-Bromofluorobenzene	12.62	95	111396	40.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.80%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.69	74	2665	3.478	ug/l	73
11) Tert butyl alcohol	5.20	59	681	7.167	ug/l #	72
13) Acrolein	3.85	56	1199	12.065	ug/l #	1
14) Allyl chloride	4.77	41	9189	4.671	ug/l #	68
15) Acrylonitrile	5.43	53	19088	65.775	ug/l #	41
16) Acetone	4.14	43	106031	510.031	ug/l	99
17) Carbon Disulfide	4.38	76	19315	4.083	ug/l	99
18) Methyl Acetate	4.74	43	4830	6.792	ug/l #	47
19) Methyl tert-butyl Ether	5.43	73	124116	34.952	ug/l #	1
20) Methylene Chloride	4.92	84	15235	3.182	ug/l #	72
23) Vinyl Acetate	6.30	43	5811	2.523	ug/l #	69
25) 2-Butanone	7.18	43	49720	141.419	ug/l #	87
29) Tetrahydrofuran	7.53	42	2040	9.067	ug/l #	40
30) Chloroform	7.63	83	46808	15.821	ug/l #	18
31) Cyclohexane	7.93	56	658293	237.338	ug/l #	50
36) 1,1-Dichloropropene	7.95	75	12688	4.526	ug/l #	72
37) Ethyl Acetate	7.18	43	49720	54.233	ug/l #	66
38) Carbon Tetrachloride	7.95	117	16431	5.392	ug/l #	15
39) Methylcyclohexane	9.34	83	1254393	344.856	ug/l	90
40) Benzene	8.33	78	438361	56.228	ug/l	100
41) Methacrylonitrile	7.54	41	12131	21.550	ug/l #	48
42) 1,2-Dichloroethane	8.45	62	3033	1.452	ug/l #	1
43) Isopropyl Acetate	8.43	43	158253	88.757	ug/l #	48
45) 1,2-Dichloropropane	9.38	63	2977	1.638	ug/l #	1
47) Bromodichloromethane	9.63	83	111827	44.576	ug/l #	26
48) Methyl methacrylate	9.47	41	108654	124.295	ug/l #	24
51) 4-Methyl-2-Pentanone	10.26	43	440621	492.842	ug/l #	81
52) Toluene	10.39	92	145727	26.367	ug/l	100
55) 1,1,2-Trichloroethane	10.76	97	442269	294.681	ug/l #	33
56) Ethyl methacrylate	10.67	69	84818	51.566	ug/l #	21
58) 2-Chloroethyl Vinyl ether	9.90	63	11084	13.455	ug/l #	43
59) 2-Hexanone	10.94	43	434981	705.364	ug/l #	29
60) Dibromochloromethane	11.04	129	3429	1.867	ug/l #	11
61) 1,2-Dibromoethane	11.21	107	3169	2.223	ug/l #	1

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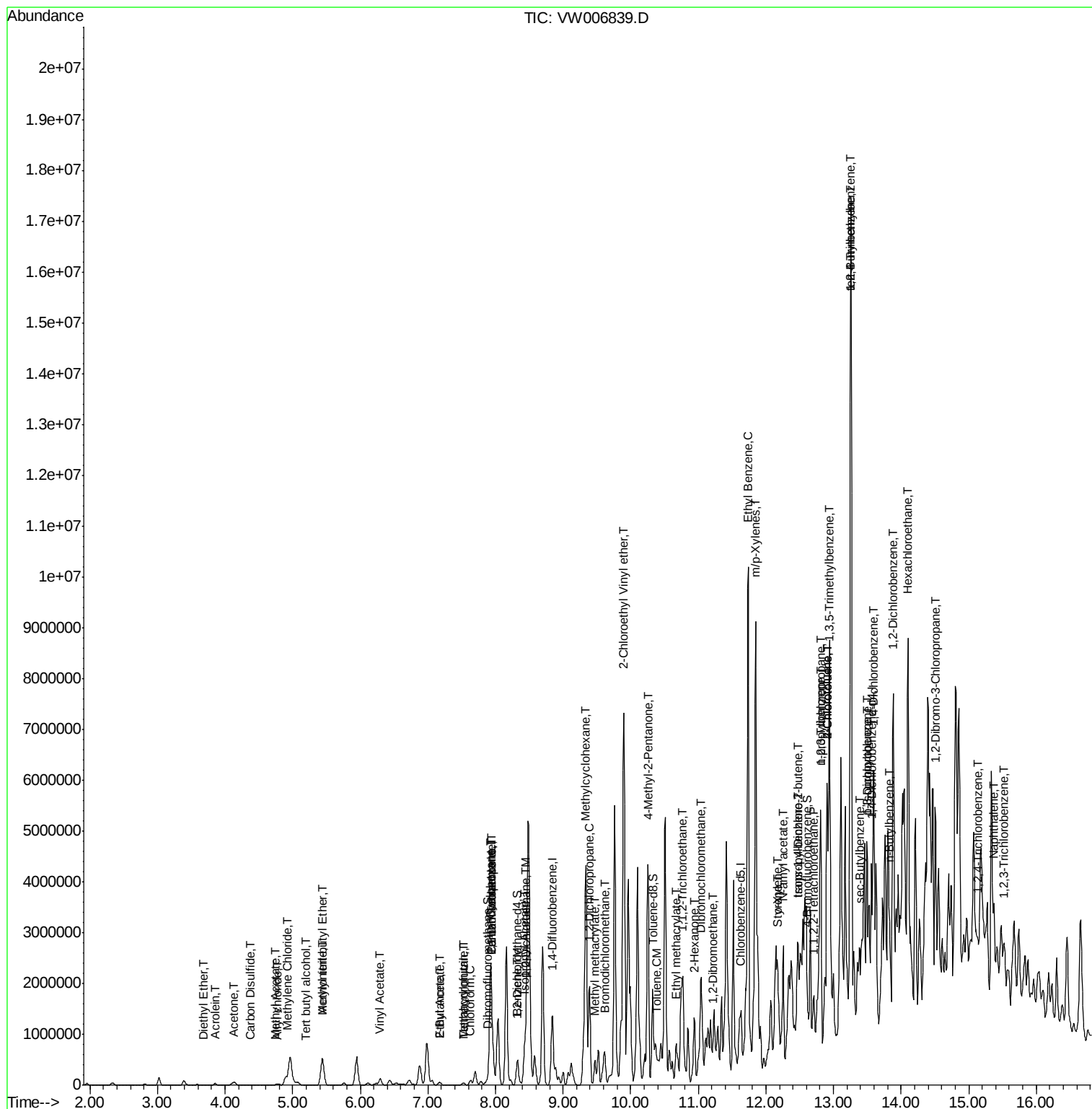
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	11.74	91	6725427	1243.562	ug/l	98
68) m/p-Xylenes	11.85	106	1315026	594.289	ug/l	99
69) o-Xylene	12.17	106	411728	199.927	ug/l	98
70) Styrene	12.18	104	136164	41.310	ug/l #	60
73) Isopropylbenzene	12.47	105	1039151	223.606	ug/l	99
74) N-amyl acetate	12.26	43	475437	676.606	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.69	83	27168	42.260	ug/l #	1
76) 1,2,3-Trichloropropane	12.81	75	19266	39.931	ug/l #	100
78) n-propylbenzene	12.81	91	3527678	643.168	ug/l	99
79) 2-Chlorotoluene	12.90	91	413742	134.452	ug/l #	44
80) 1,3,5-Trimethylbenzene	12.95	105	661880	165.675	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	10357	53.098	ug/l #	1
82) 4-Chlorotoluene	12.90	91	413742	126.015	ug/l #	44
83) tert-Butylbenzene	13.26	119	1281599	362.917	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.26	105	9447427	2323.715	ug/l	98
85) sec-Butylbenzene	13.39	105	628275	125.552	ug/l #	60
86) p-Isopropyltoluene	13.51	119	506786	111.340	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	12117	5.074	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	21452	9.080	ug/l #	1
89) n-Butylbenzene	13.83	91	1081082	259.891	ug/l #	52
90) Hexachloroethane	14.10	117	304758	418.437	ug/l #	3
91) 1,2-Dichlorobenzene	13.88	146	200251	96.296	ug/l #	30
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4674	45.413	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.14	180	6143	3.913	ug/l #	1
95) Naphthalene	15.38	128	1561213	664.866	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.53	180	12944	9.607	ug/l #	1

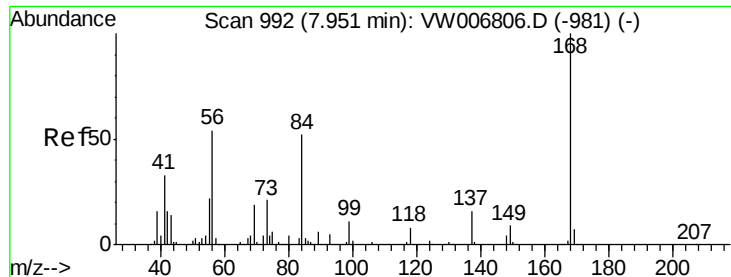
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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ClientSampleId :

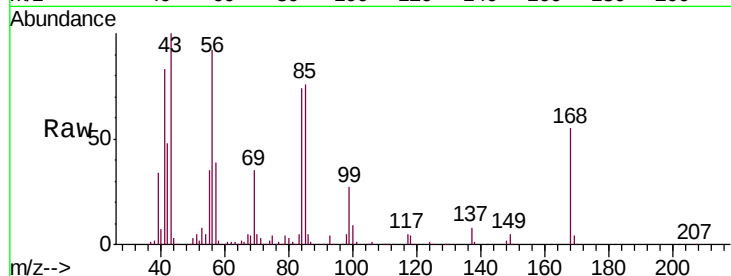
EP2-SB-105(0-4)

Tgt Ion:168 Resp: 198018

Ion Ratio Lower Upper

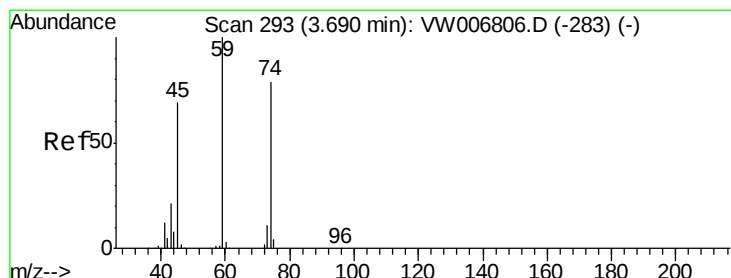
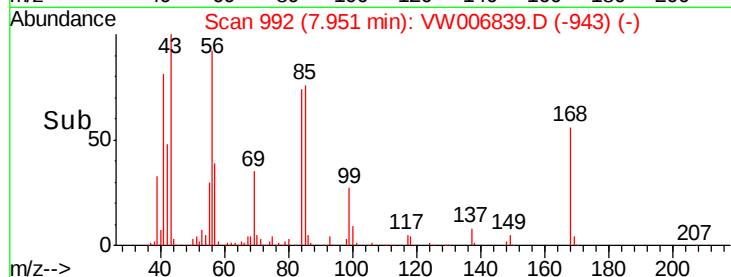
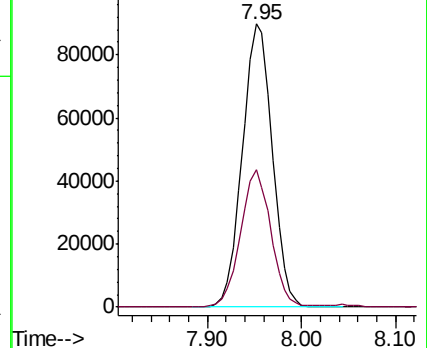
168 100

99 48.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.478 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW006839.D

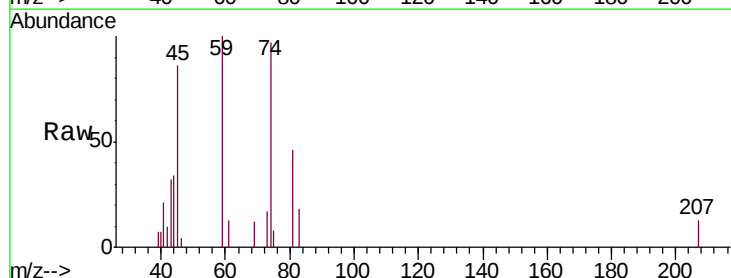
Acq: 13 Nov 2018 07:00

Tgt Ion: 74 Resp: 2665

Ion Ratio Lower Upper

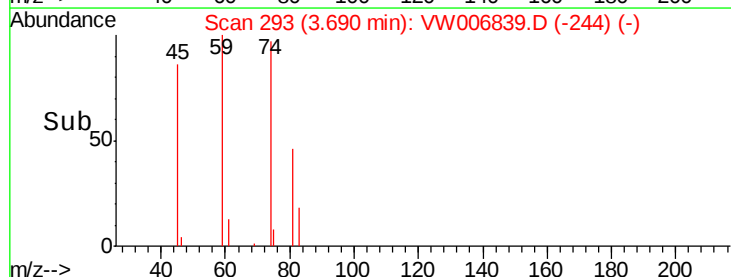
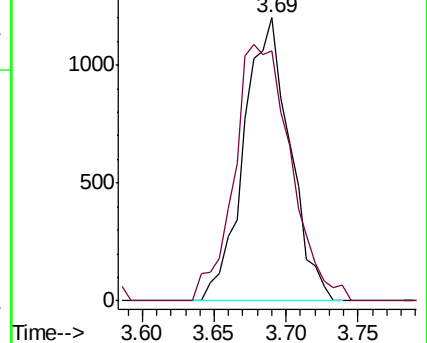
74 100

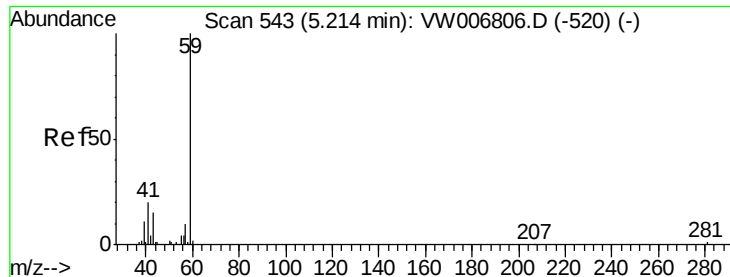
45 111.6 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

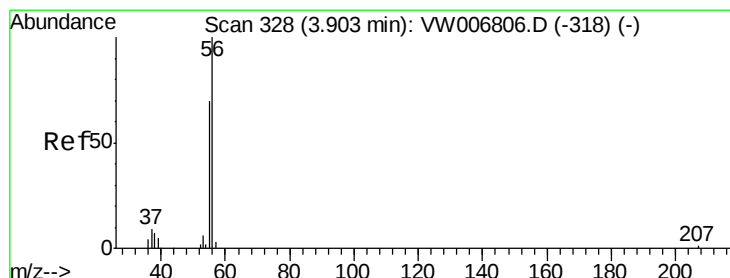
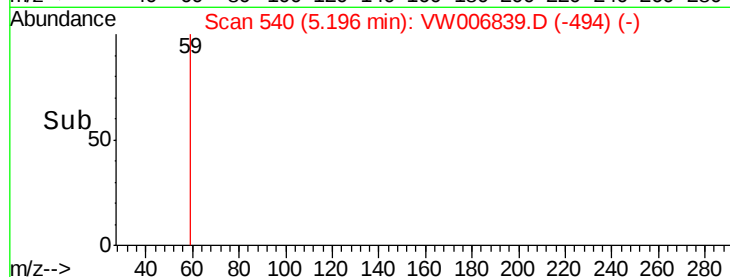
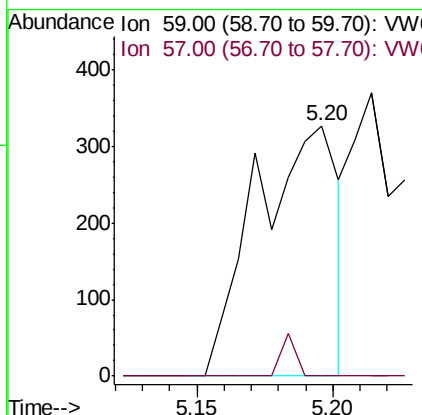
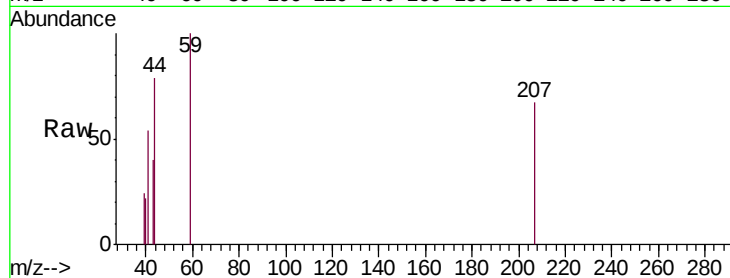




#11
Tert butyl alcohol
Concen: 7.167 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.02 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

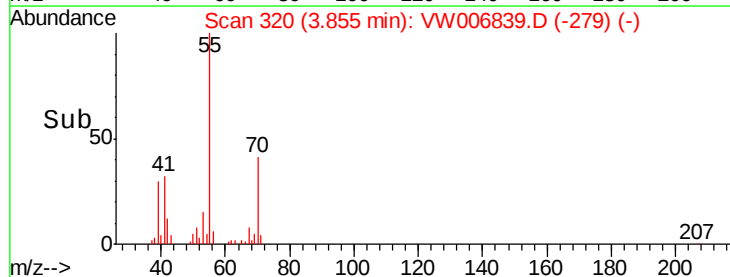
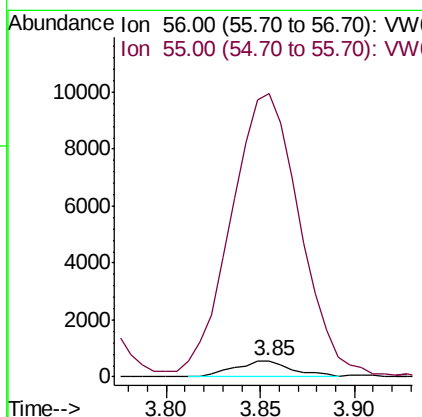
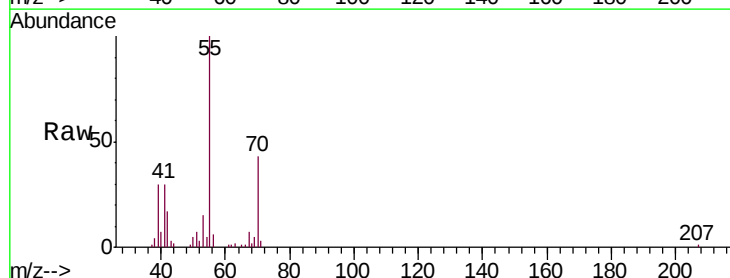
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EP2-SB-105(0-4)

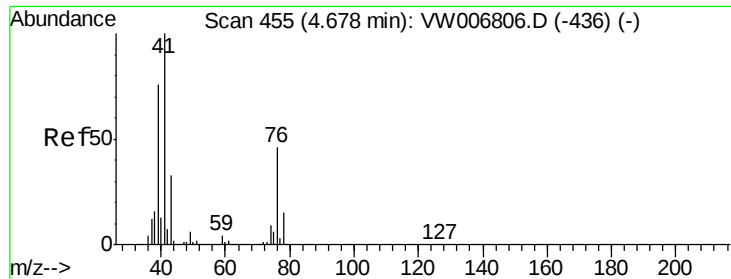
Tgt Ion: 59 Resp: 681
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 12.065 ug/l
RT: 3.85 min Scan# 320
Delta R.T. -0.05 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 56 Resp: 1199
Ion Ratio Lower Upper
56 100
55 2116.8 56.1 84.1#

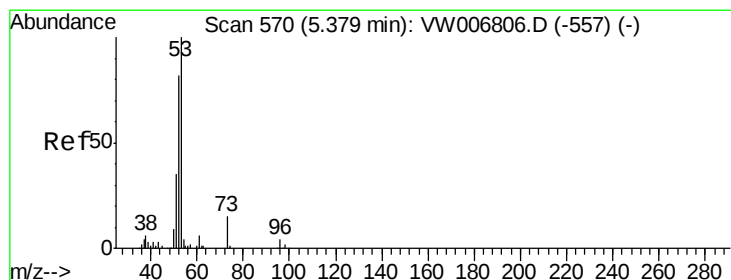
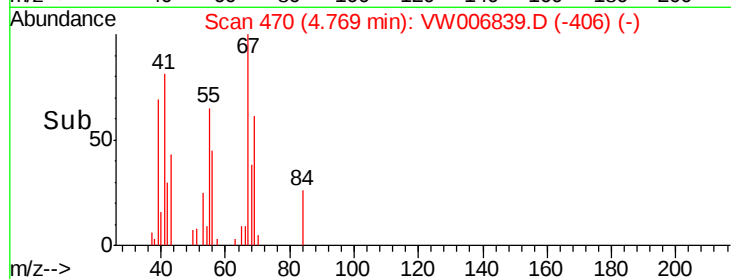
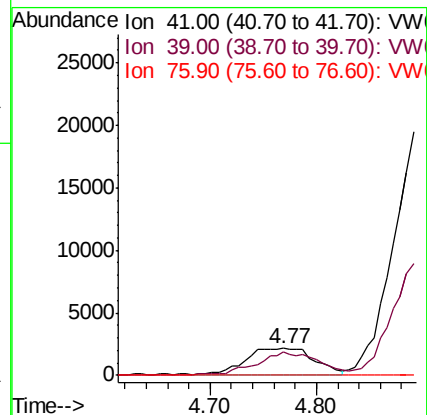
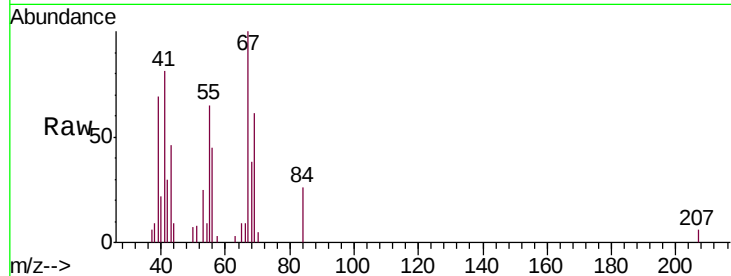




#14
 Allyl chloride
 Concen: 4.671 ug/l
 RT: 4.77 min Scan# 470
 Delta R.T. 0.09 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

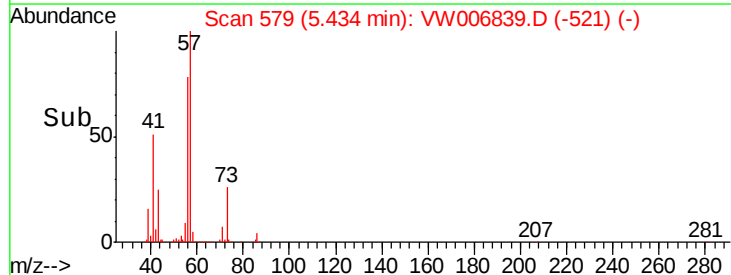
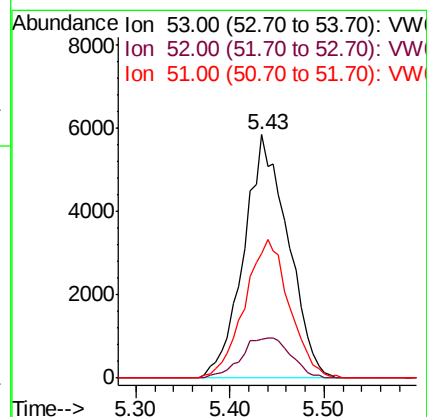
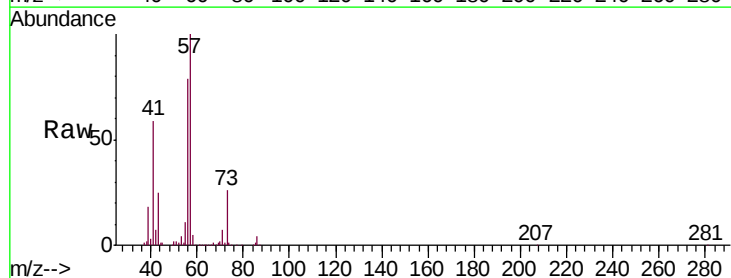
Instrument :
 MSVOA_W
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 EP2-SB-105(0-4)

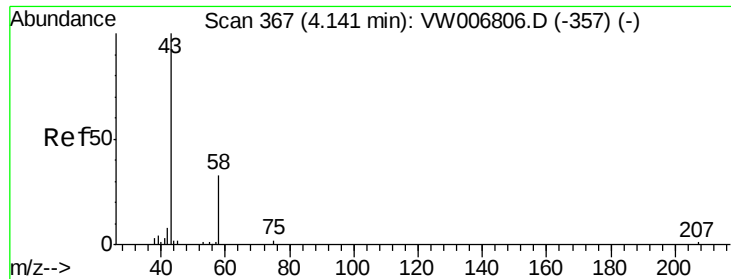
Tgt Ion: 41 Resp: 9189
 Ion Ratio Lower Upper
 41 100
 39 82.8 58.9 88.3
 76 0.0 34.4 51.6#



#15
 Acrylonitrile
 Concen: 65.775 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.05 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

Tgt Ion: 53 Resp: 19088
 Ion Ratio Lower Upper
 53 100
 52 18.5 65.2 97.8#
 51 58.0 30.0 45.0#

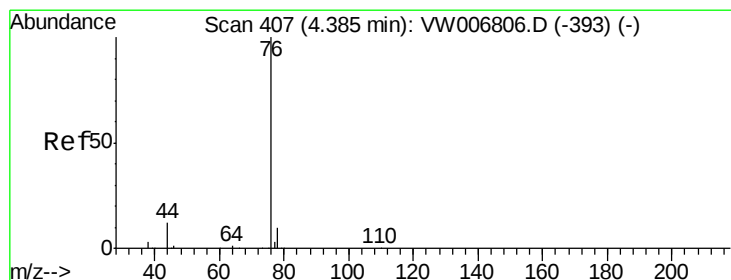
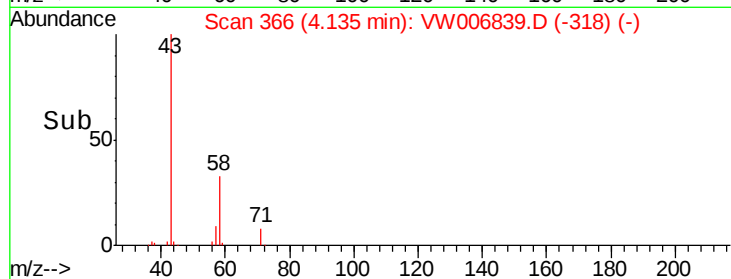
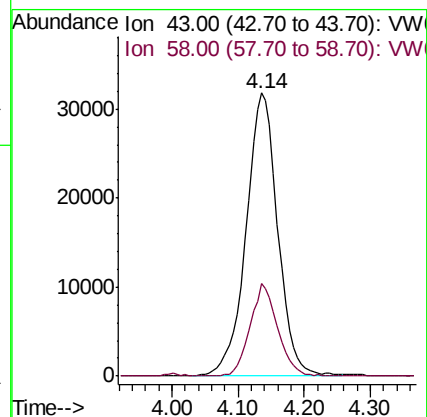
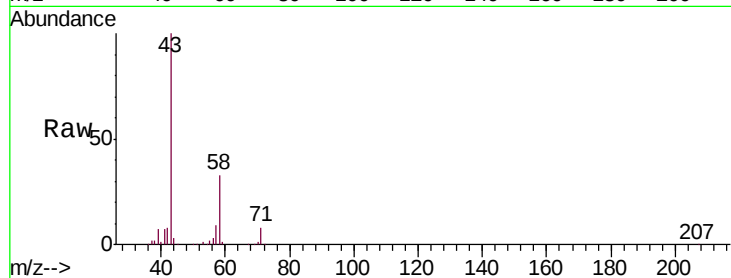




#16
Acetone
Concen: 510.031 ug/l
RT: 4.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

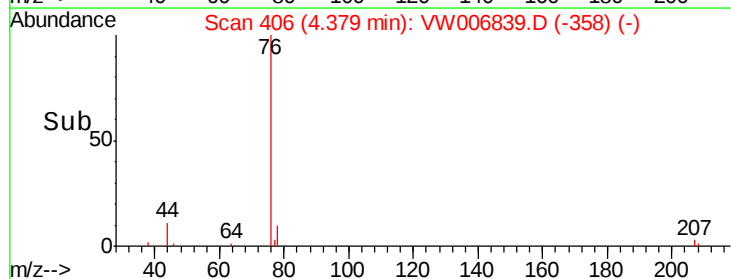
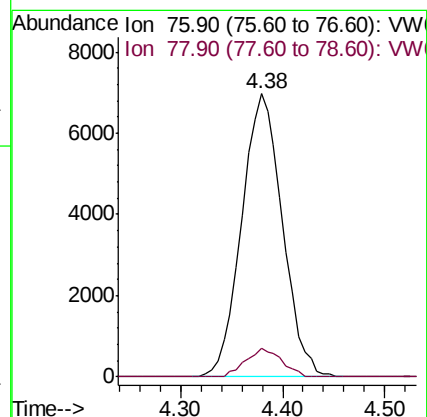
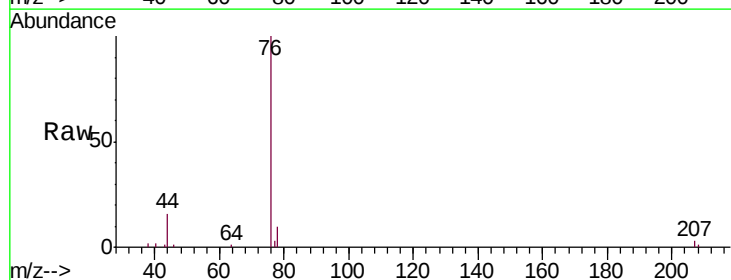
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EP2-SB-105(0-4)

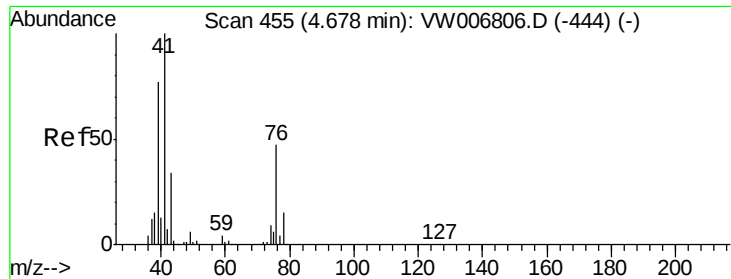
Tgt Ion: 43 Resp: 106031
Ion Ratio Lower Upper
43 100
58 32.6 26.5 39.7



#17
Carbon Disulfide
Concen: 4.083 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 76 Resp: 19315
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4

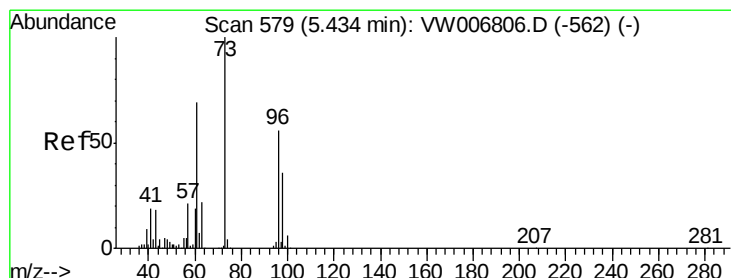
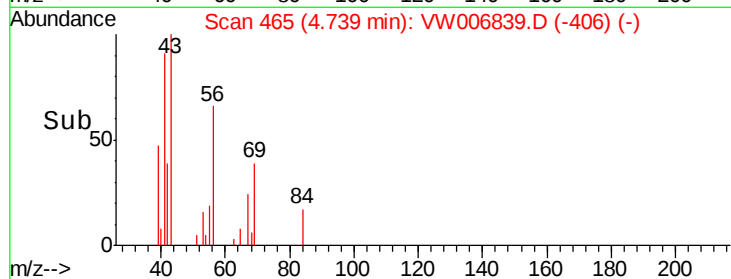
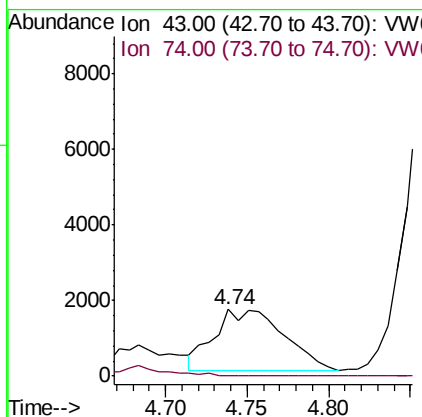
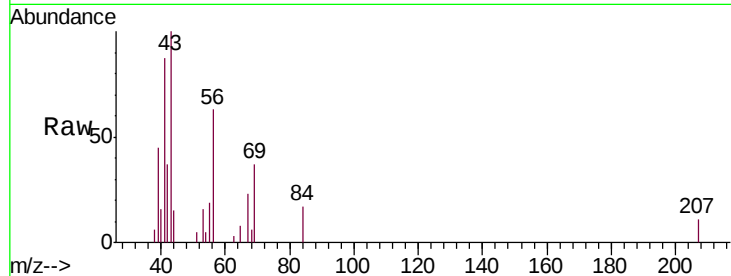




#18
Methyl Acetate
Concen: 6.792 ug/l
RT: 4.74 min Scan# 465
Delta R.T. 0.06 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

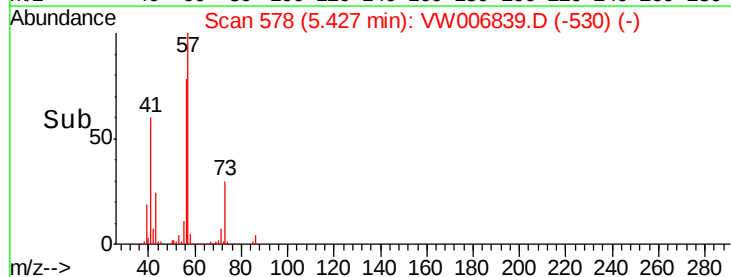
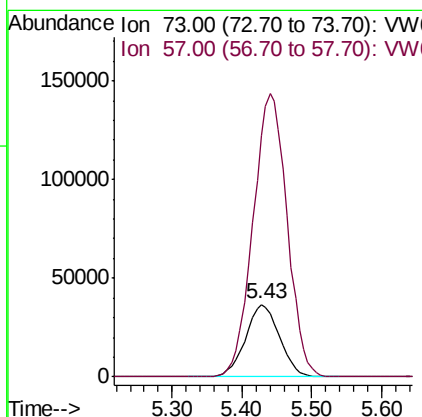
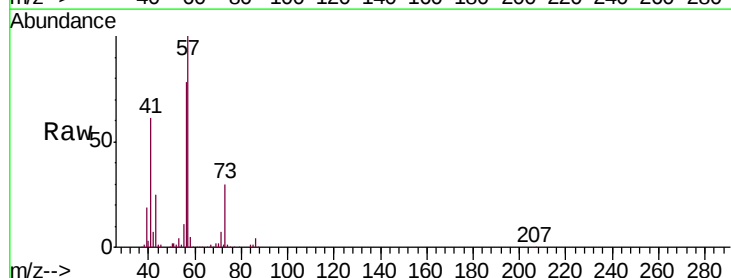
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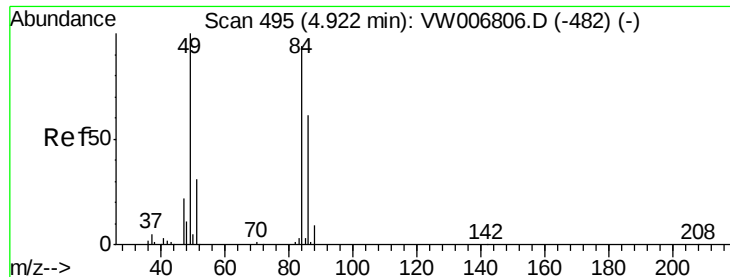
Tgt Ion: 43 Resp: 4830
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 34.952 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 73 Resp: 124116
Ion Ratio Lower Upper
73 100
57 330.8 16.8 25.2#

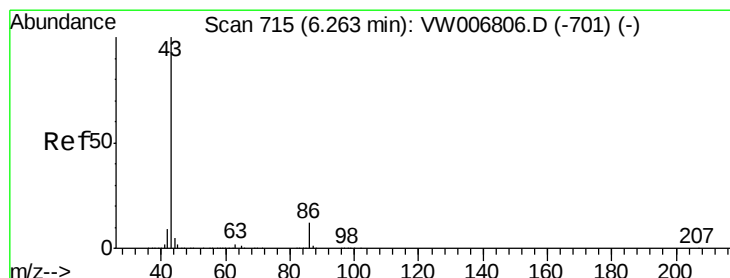
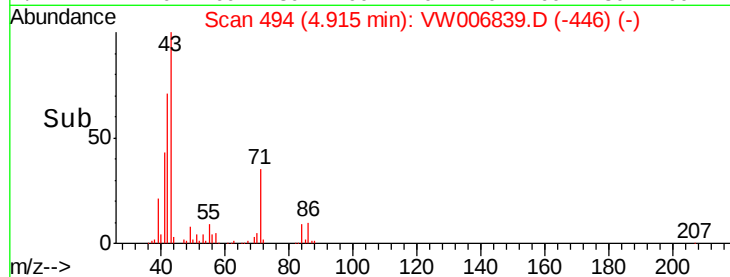
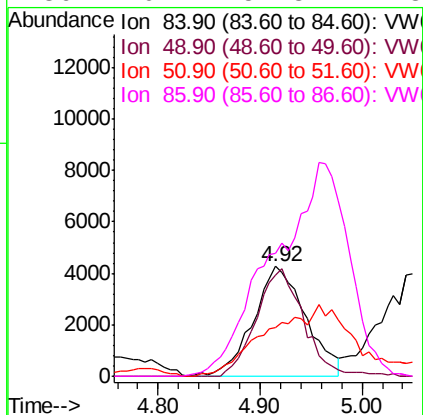
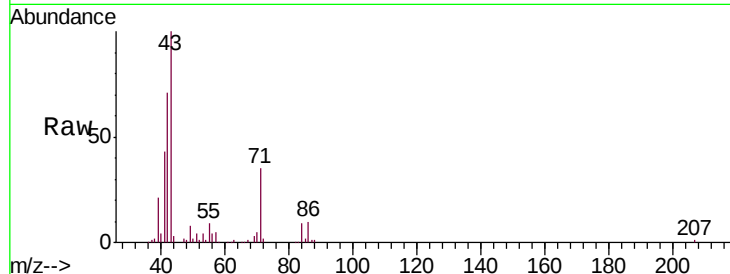




#20
Methylene Chloride
Concen: 3.182 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

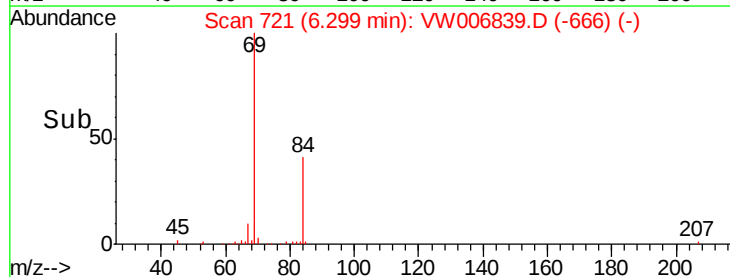
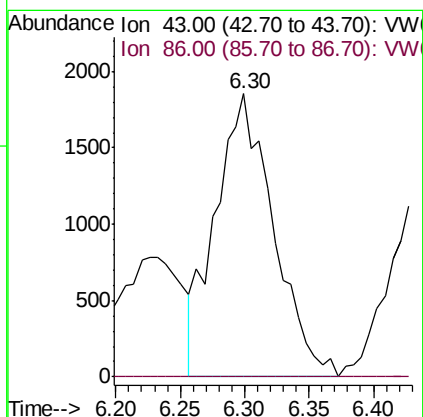
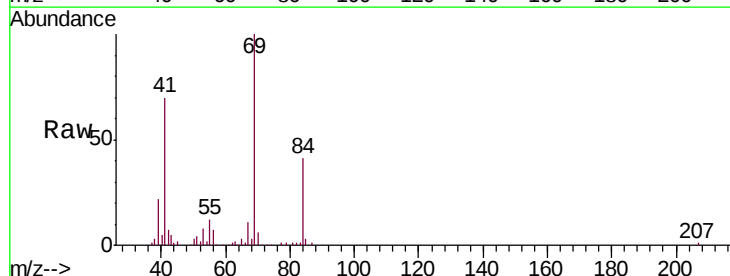
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

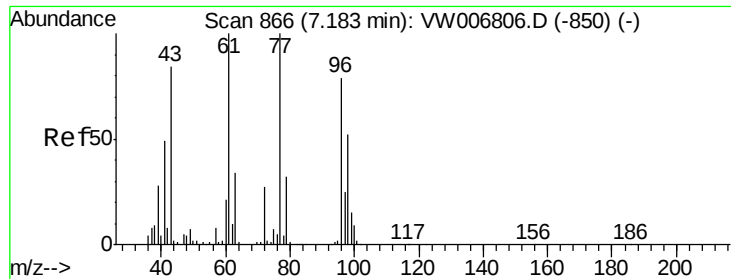
Tgt Ion: 84 Resp: 15235
Ion Ratio Lower Upper
84 100
49 92.6 84.8 127.2
51 44.2 26.2 39.4#
86 110.2 51.8 77.8#



#23
Vinyl Acetate
Concen: 2.523 ug/l
RT: 6.30 min Scan# 721
Delta R.T. 0.04 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 43 Resp: 5811
Ion Ratio Lower Upper
43 100
86 0.0 9.6 14.4#





#25

2-Butanone

Concen: 141.419 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

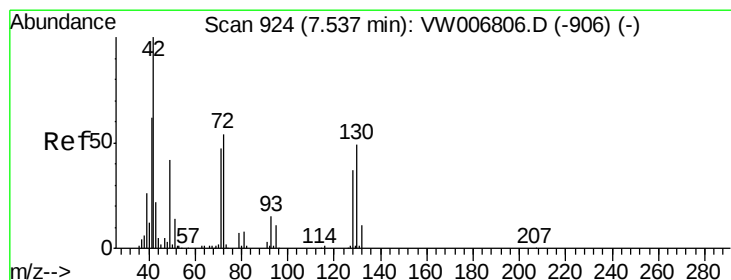
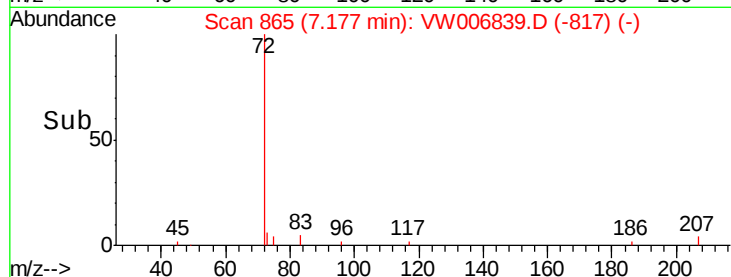
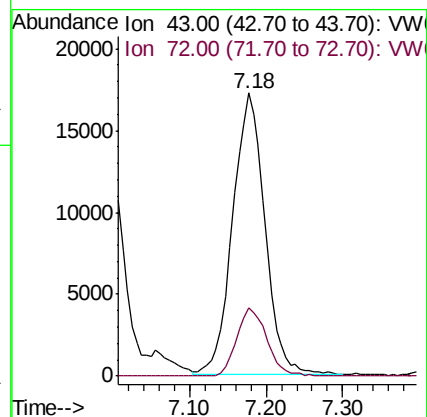
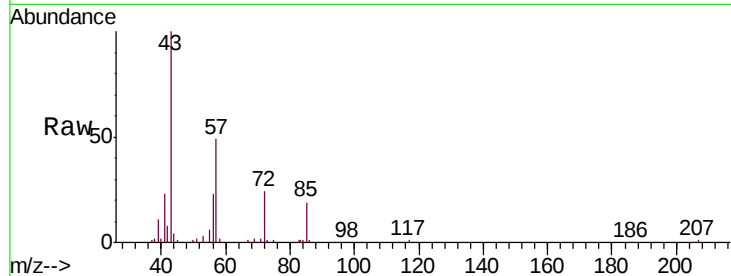
EP2-SB-105(0-4)

Tgt Ion: 43 Resp: 49720

Ion Ratio Lower Upper

43 100

72 24.5 25.3 37.9#



#29

Tetrahydrofuran

Concen: 9.067 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

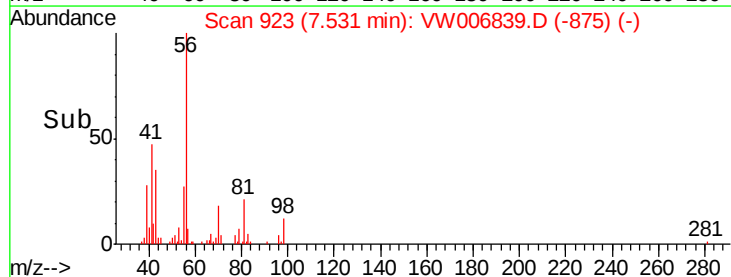
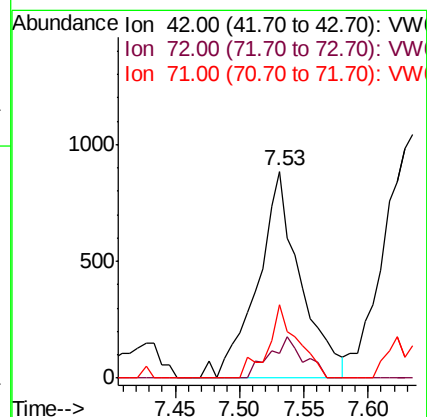
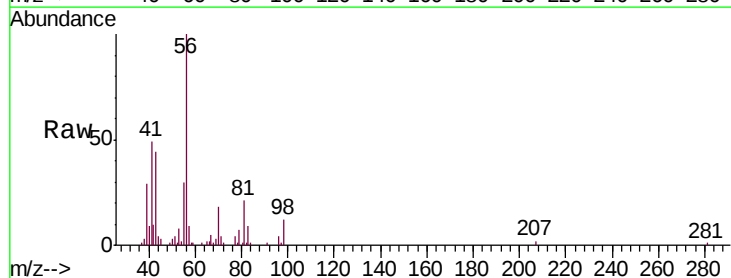
Tgt Ion: 42 Resp: 2040

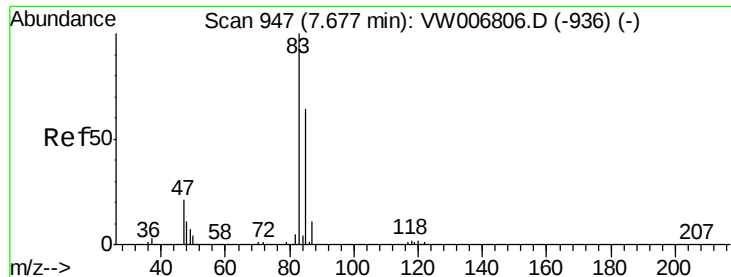
Ion Ratio Lower Upper

42 100

72 15.9 40.9 61.3#

71 0.0 36.9 55.3#

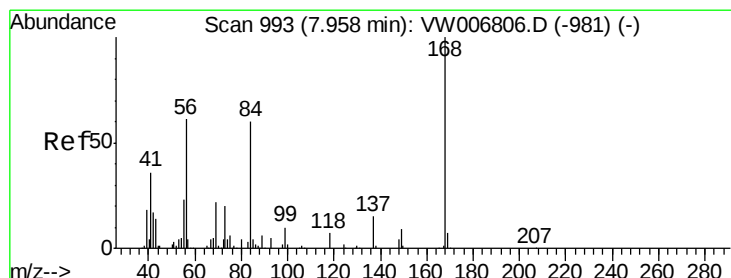
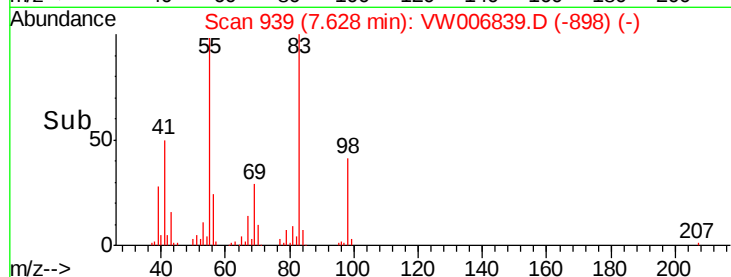
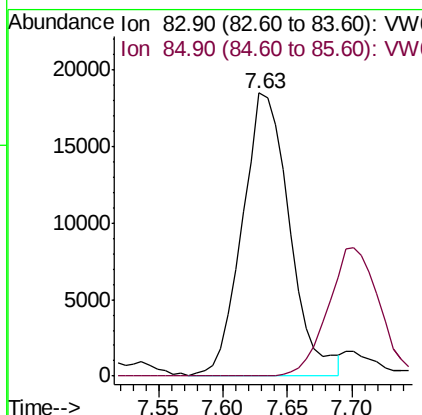
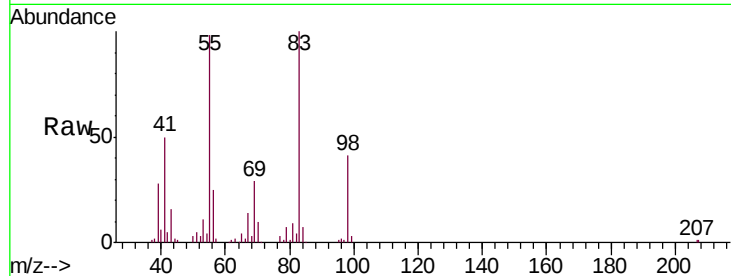




#30
Chloroform
Concen: 15.821 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

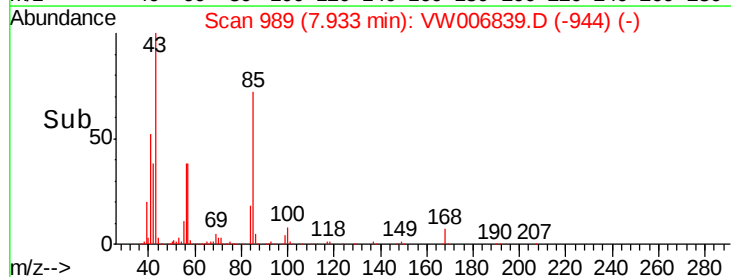
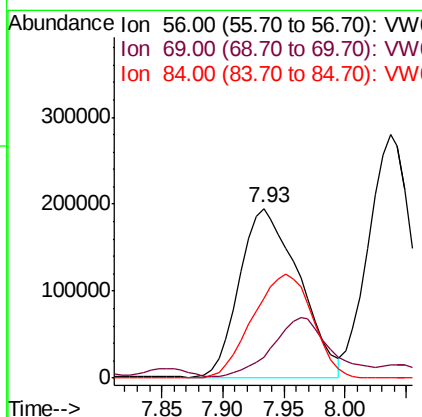
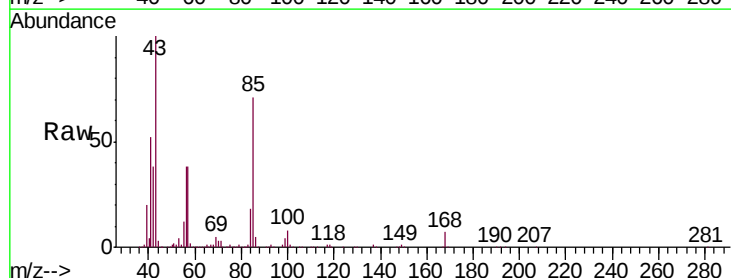
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

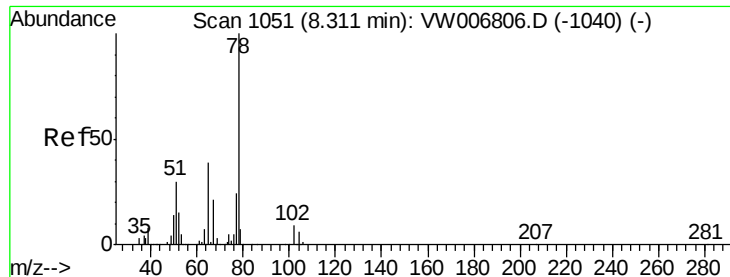
Tgt Ion: 83 Resp: 46808
Ion Ratio Lower Upper
83 100
85 0.4 51.5 77.3#



#31
Cyclohexane
Concen: 237.338 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 56 Resp: 658293
Ion Ratio Lower Upper
56 100
69 9.4 28.9 43.3#
84 47.4 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 60.881 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

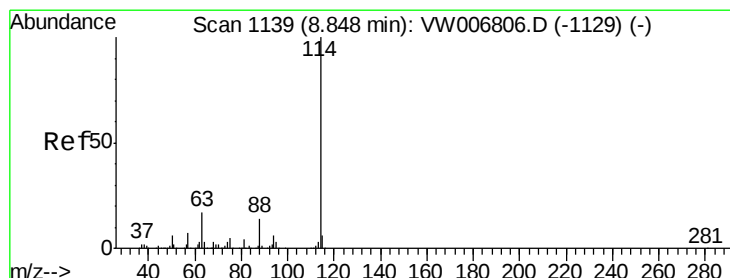
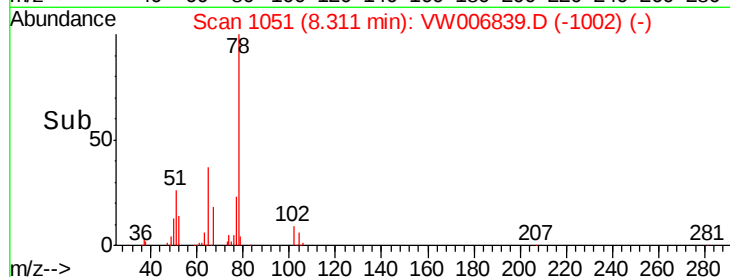
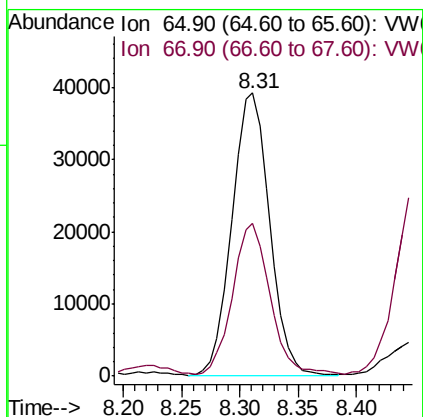
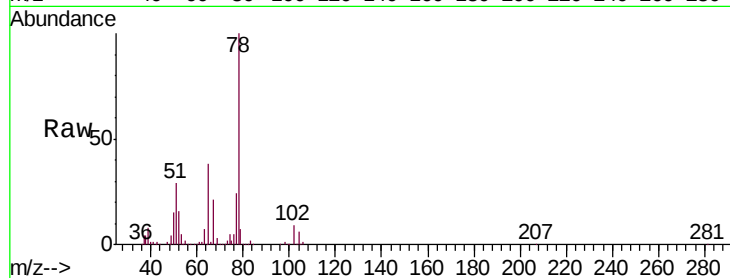
EP2-SB-105(0-4)

Tgt Ion: 65 Resp: 88129

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

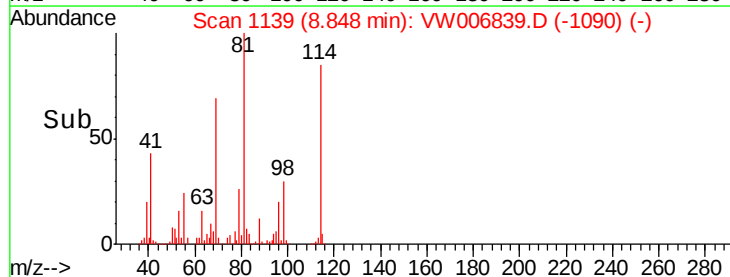
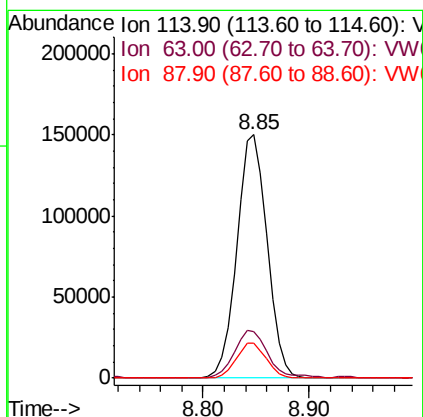
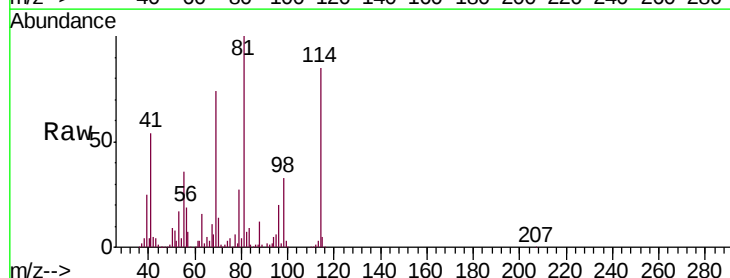
Tgt Ion: 114 Resp: 299598

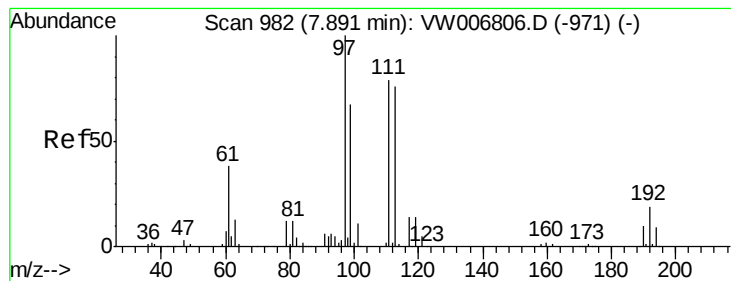
Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.6

88 14.4 0.0 28.4





#35

Dibromofluoromethane

Concen: 47.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

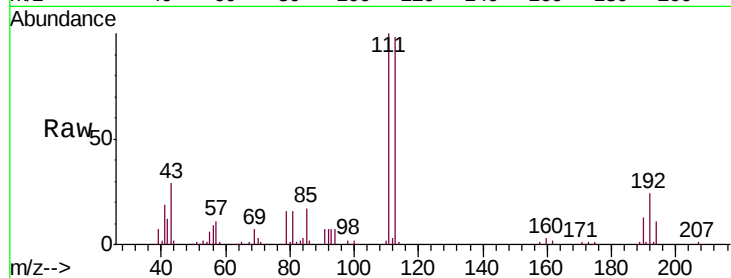
Tgt Ion:113 Resp: 83861

Ion Ratio Lower Upper

113 100

111 102.9 81.0 121.6

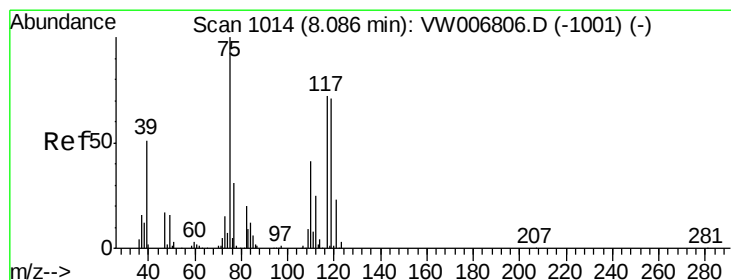
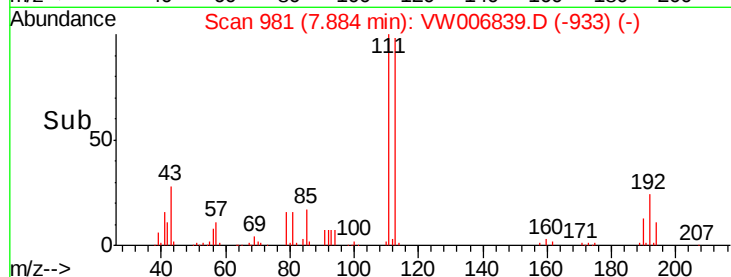
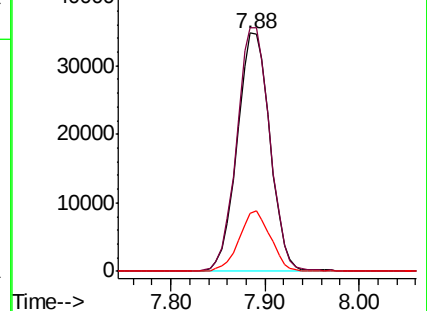
192 24.3 19.0 28.6



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: 4.526 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

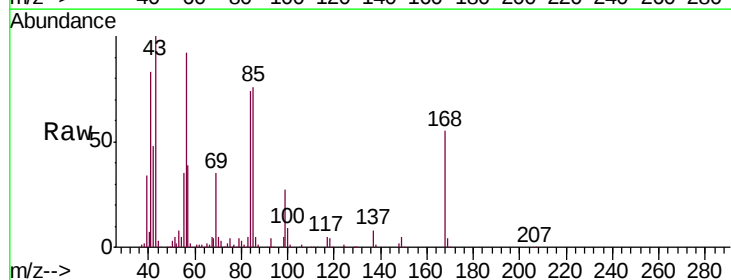
Tgt Ion: 75 Resp: 12688

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.6#

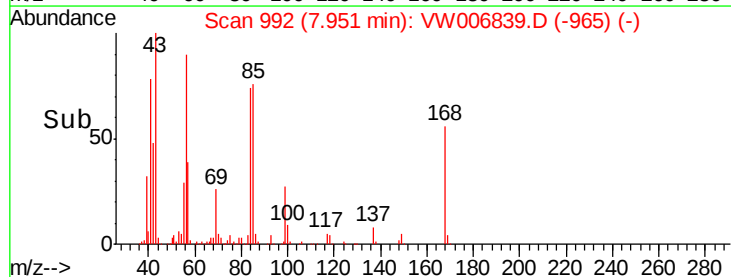
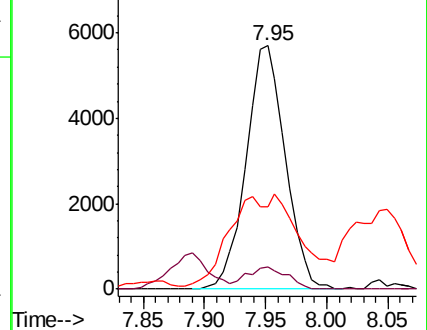
77 31.6 25.4 38.2

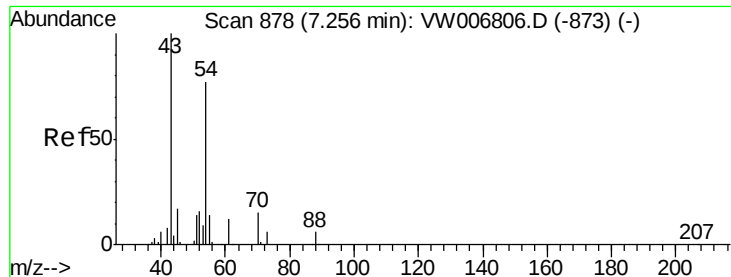


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

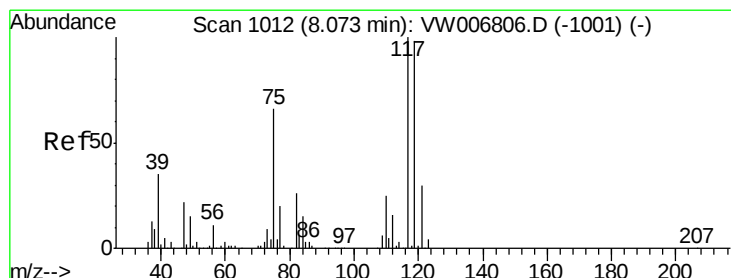
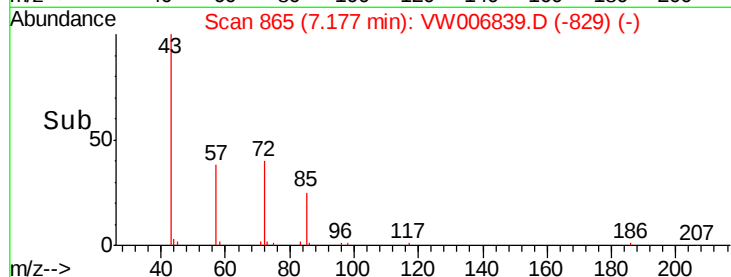
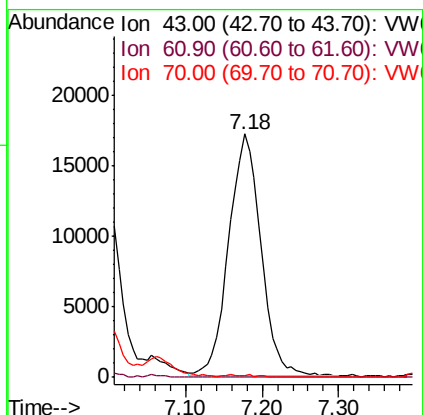
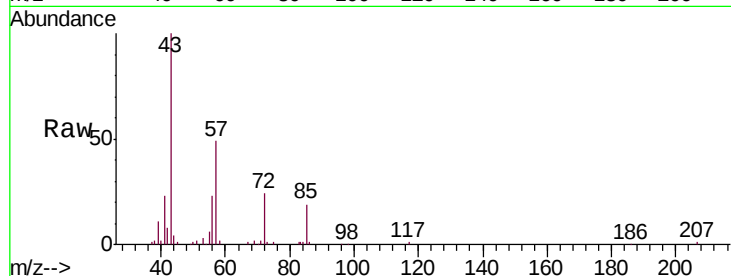




#37
 Ethyl Acetate
 Concen: 54.233 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

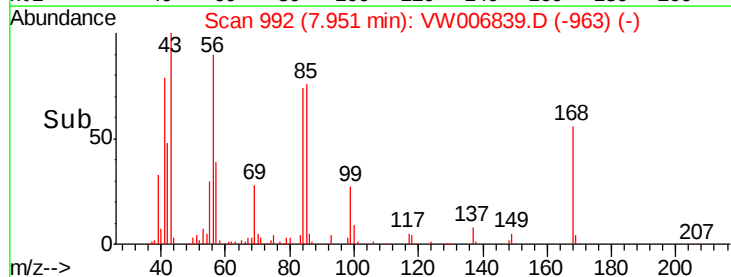
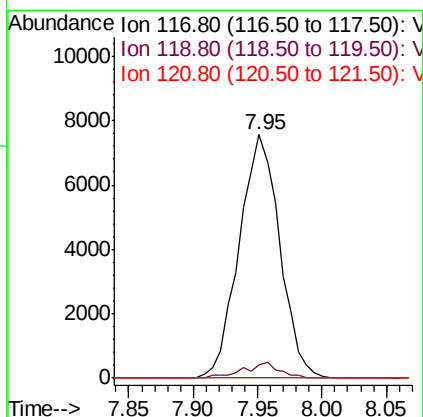
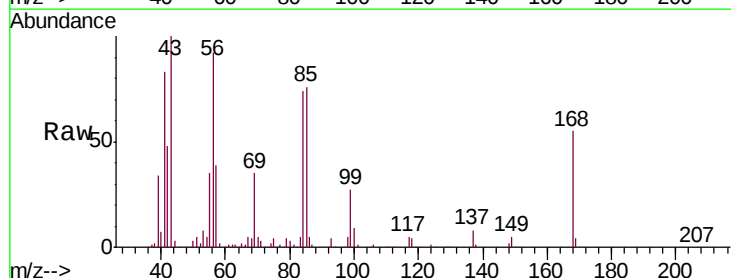
Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-105(0-4)

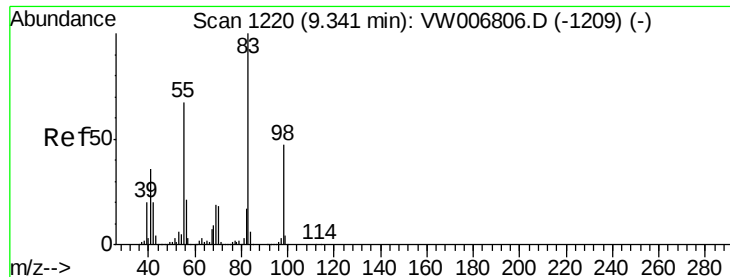
Tgt Ion: 43 Resp: 49720
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.7 17.5#
 70 0.0 10.0 15.0#



#38
 Carbon Tetrachloride
 Concen: 5.392 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

Tgt Ion: 117 Resp: 16431
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.5 117.7#
 121 0.0 24.2 36.2#

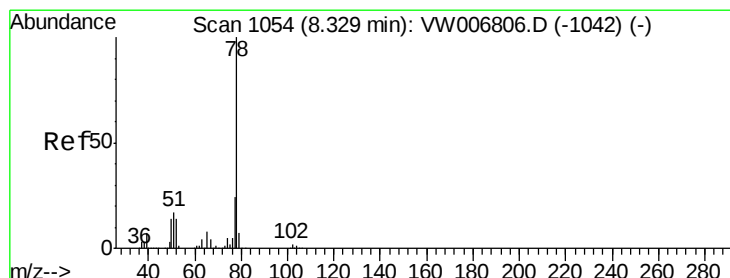
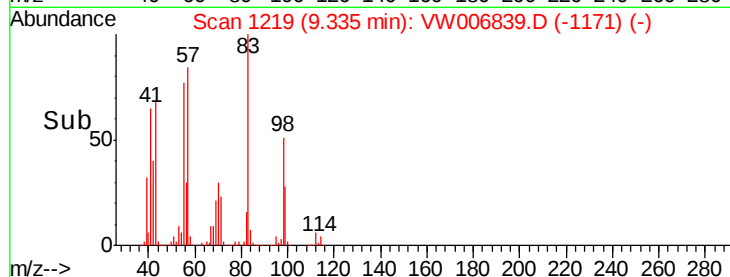
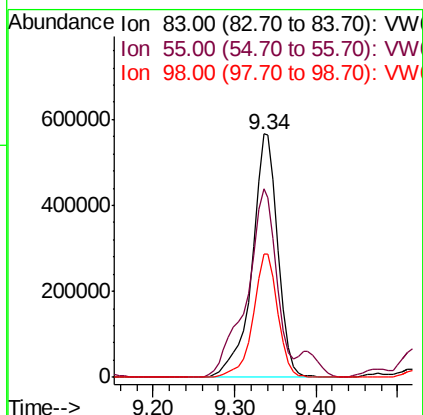
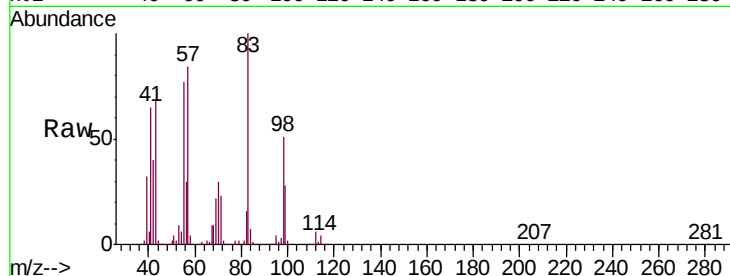




#39
Methylcyclohexane
Concen: 344.856 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

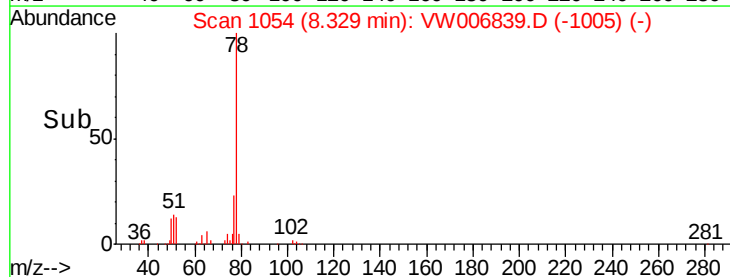
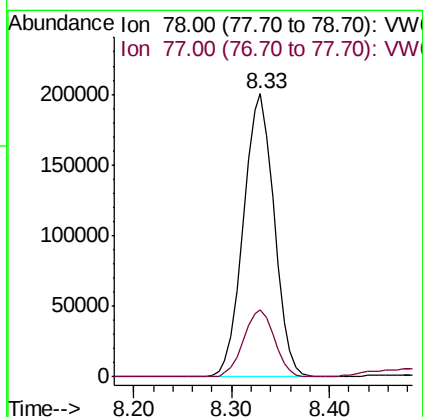
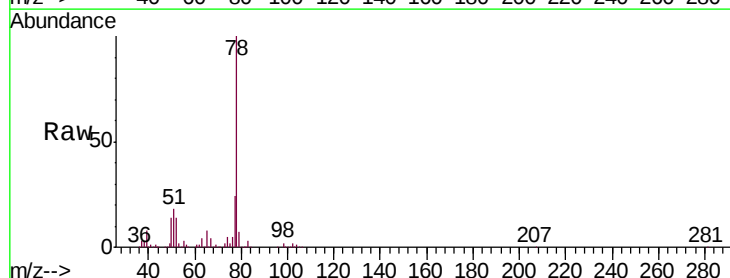
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

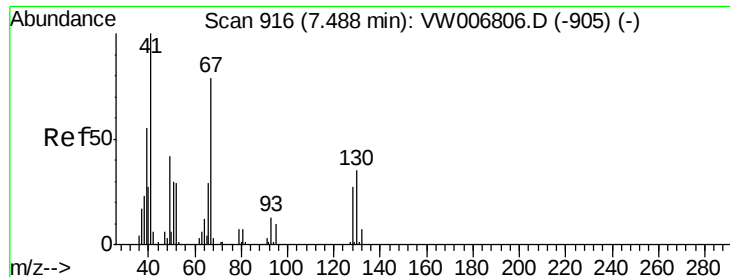
Tgt Ion: 83 Resp: 1254393
Ion Ratio Lower Upper
83 100
55 77.3 53.3 79.9
98 50.6 37.9 56.9



#40
Benzene
Concen: 56.228 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 78 Resp: 438361
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#41

Methacrylonitrile

Concen: 21.550 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

Tgt Ion: 41 Resp: 12131

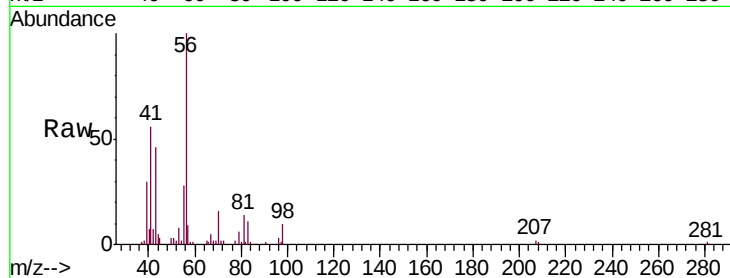
Ion Ratio Lower Upper

41 100

39 62.5 48.1 72.1

67 0.0 61.4 92.2#

52 0.0 23.2 34.8#

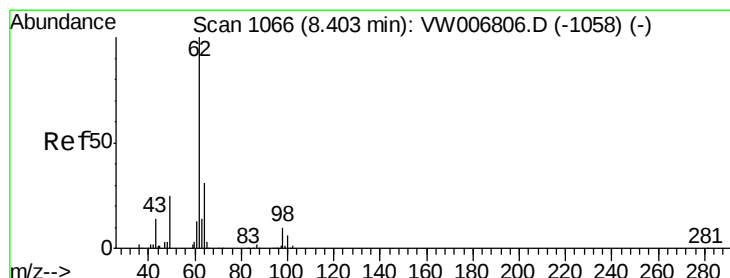
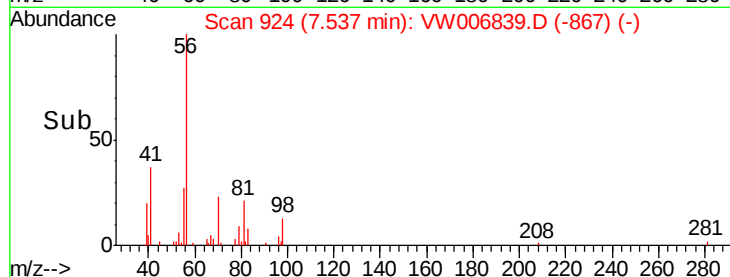
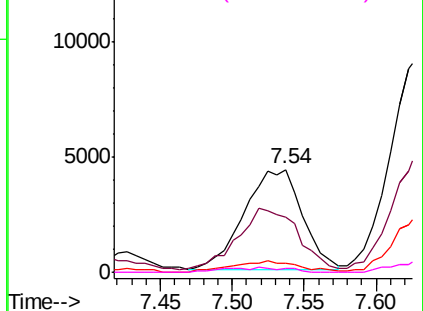


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 1.452 ug/l

RT: 8.45 min Scan# 1073

Delta R.T. 0.04 min

Lab File: VW006839.D

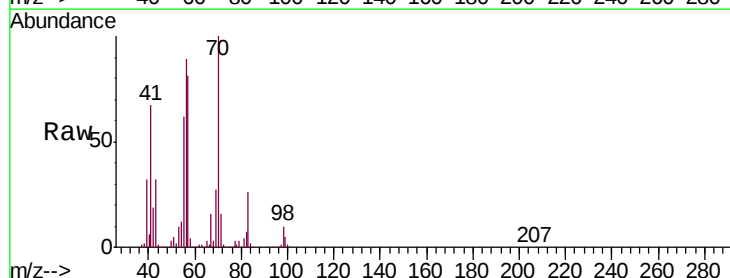
Acq: 13 Nov 2018 07:00

Tgt Ion: 62 Resp: 3033

Ion Ratio Lower Upper

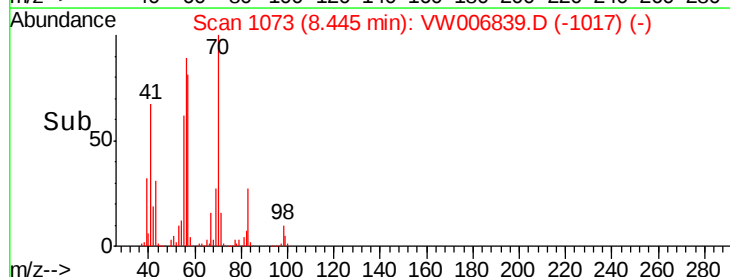
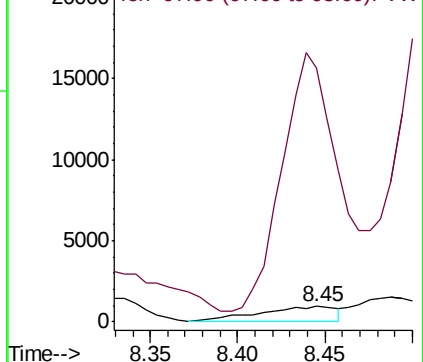
62 100

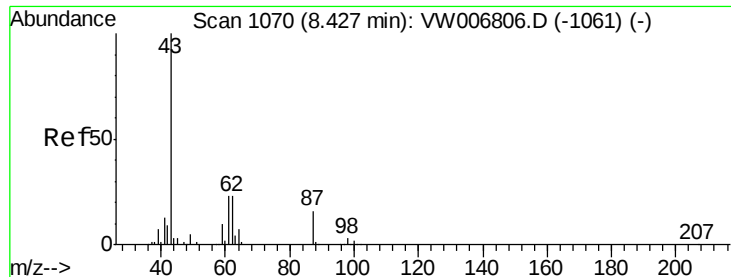
98 1164.6 0.0 20.0#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 88.757 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

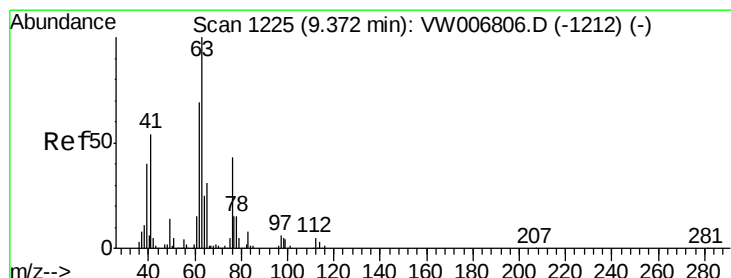
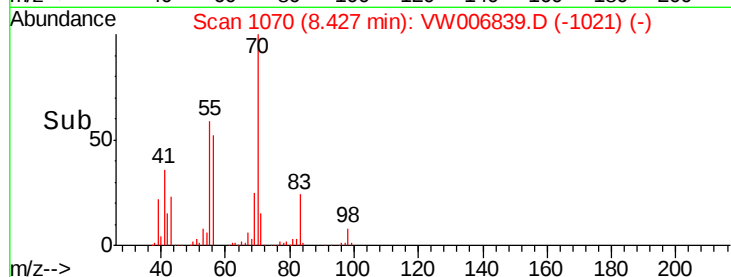
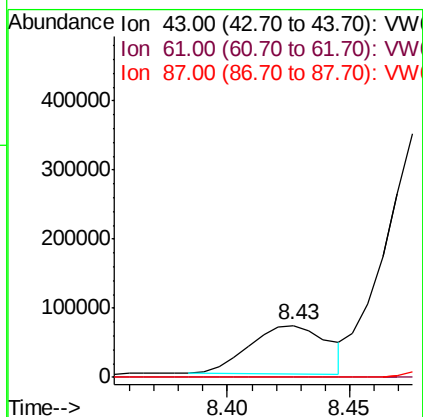
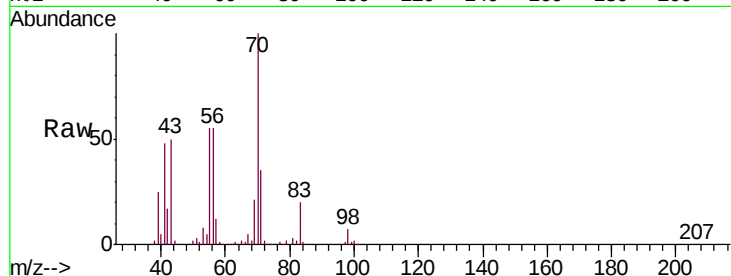
Tgt Ion: 43 Resp: 158253

Ion Ratio Lower Upper

43 100

61 0.5 27.0 40.4#

87 0.0 13.0 19.4#



#45

1,2-Dichloropropane

Concen: 1.638 ug/l

RT: 9.38 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VW006839.D

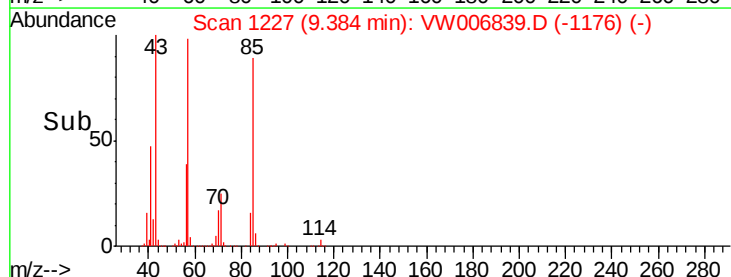
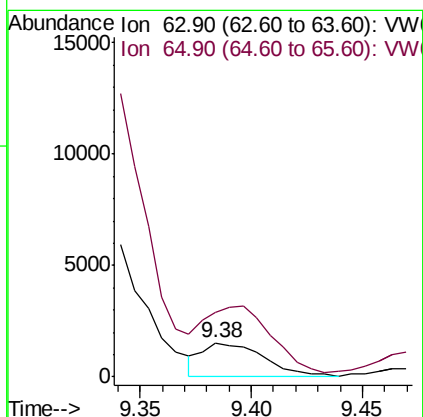
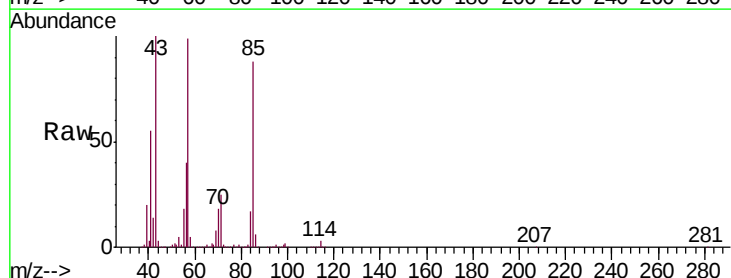
Acq: 13 Nov 2018 07:00

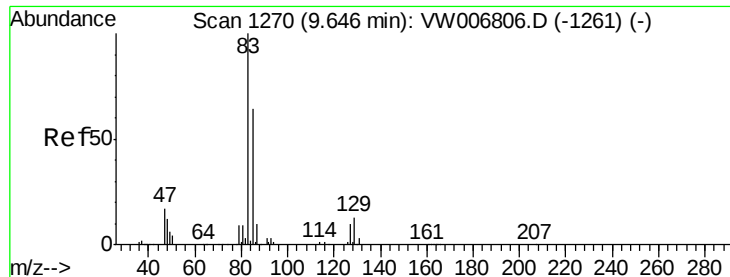
Tgt Ion: 63 Resp: 2977

Ion Ratio Lower Upper

63 100

65 173.5 24.4 36.6#

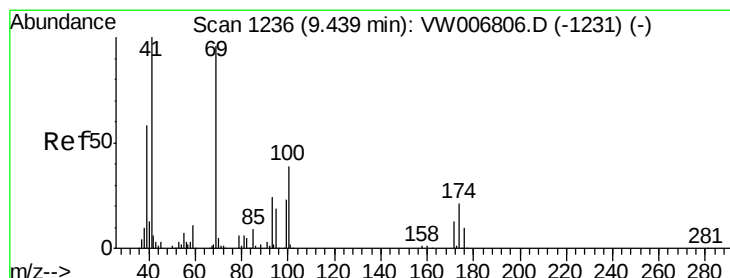
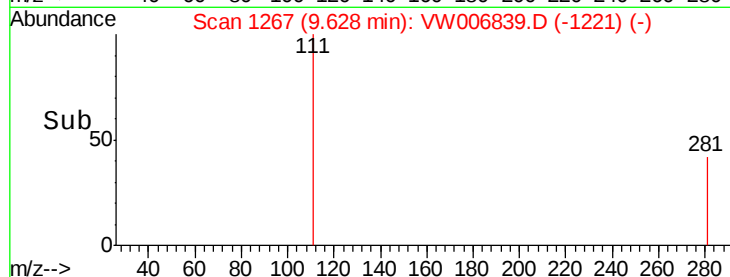
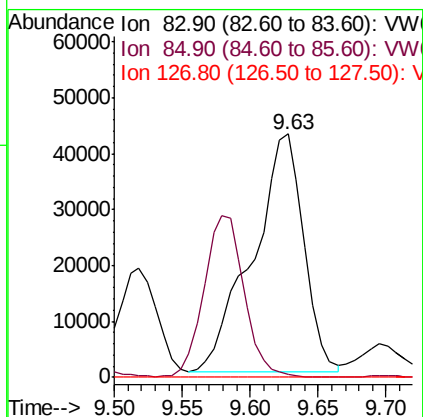
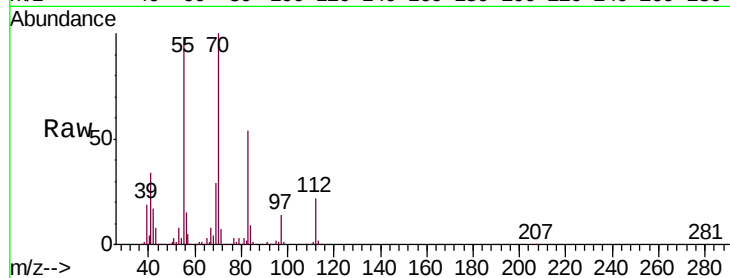




#47
Bromodichloromethane
Concen: 44.576 ug/l
RT: 9.63 min Scan# 1267
Delta R.T. -0.02 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

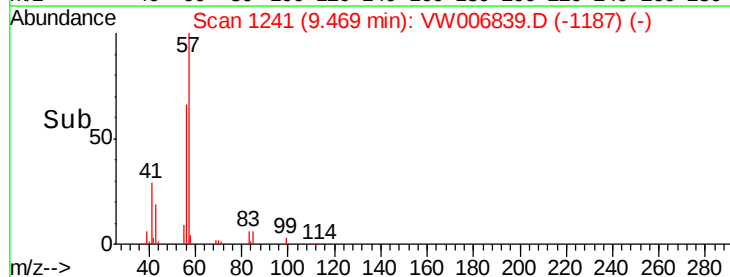
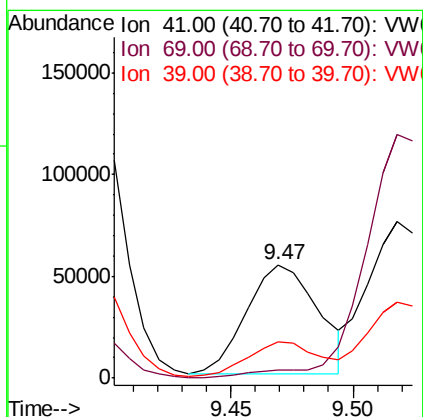
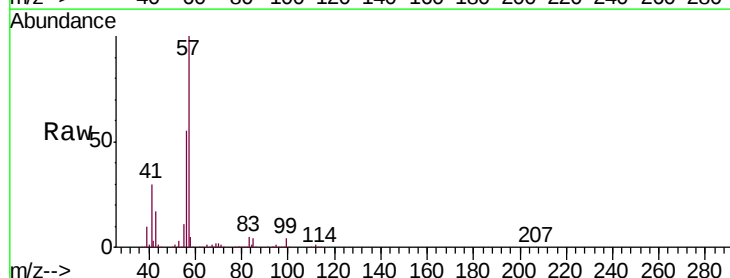
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

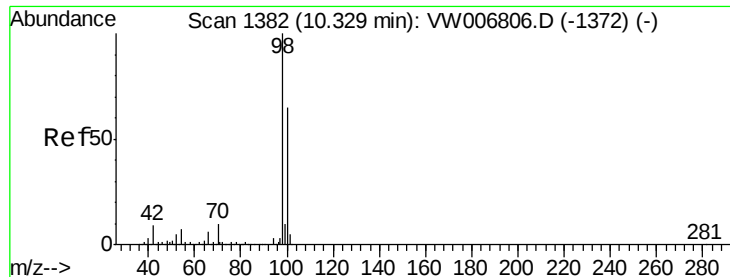
Tgt Ion: 83 Resp: 111827
Ion Ratio Lower Upper
83 100
85 1.0 51.4 77.0#
127 0.0 7.6 11.4#



#48
Methyl methacrylate
Concen: 124.295 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 41 Resp: 108654
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 31.2 45.9 68.9#





#50

Toluene-d8

Concen: 36.935 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

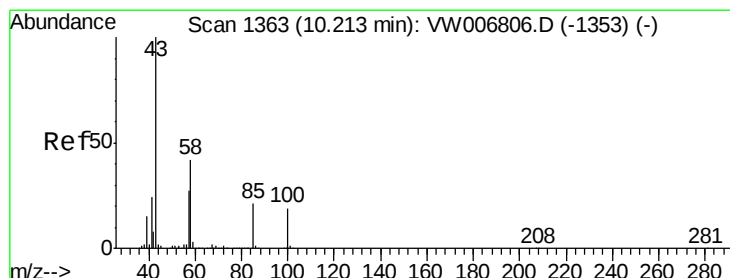
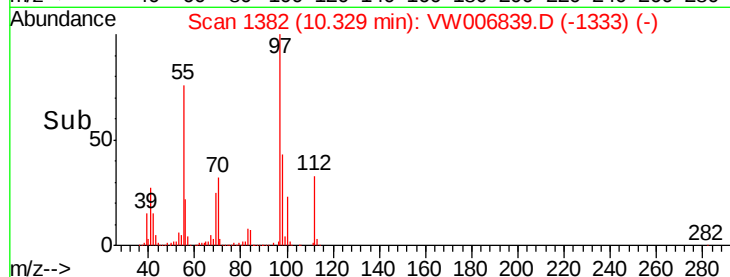
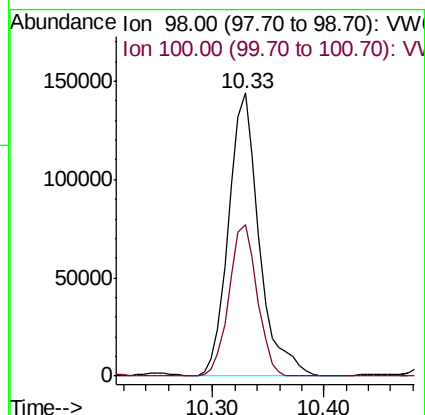
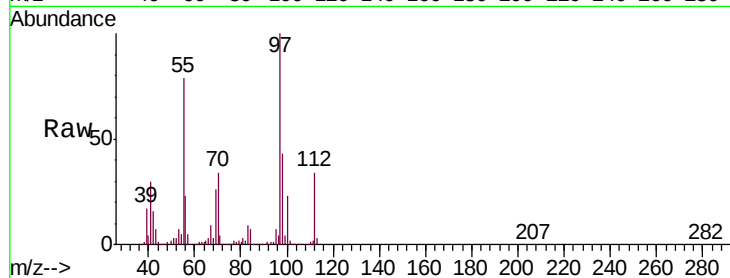
EP2-SB-105(0-4)

Tgt Ion: 98 Resp: 273117

Ion Ratio Lower Upper

98 100

100 49.1 51.4 77.2#



#51

4-Methyl-2-Pentanone

Concen: 492.842 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VW006839.D

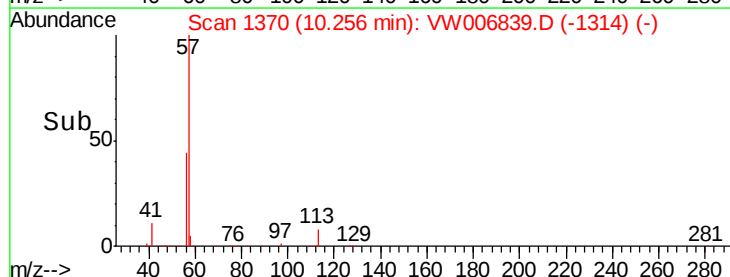
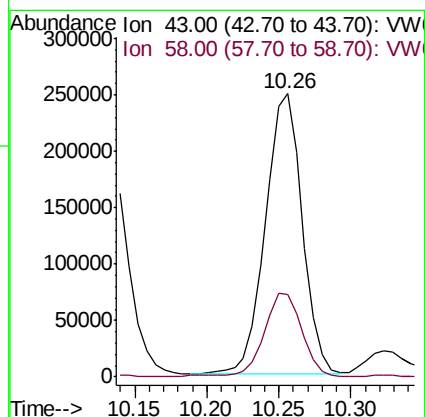
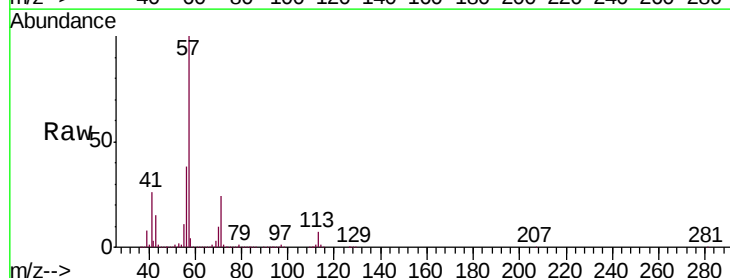
Acq: 13 Nov 2018 07:00

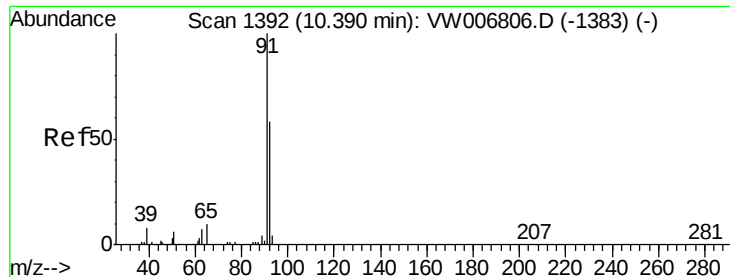
Tgt Ion: 43 Resp: 440621

Ion Ratio Lower Upper

43 100

58 30.6 34.0 51.0#





#52

Toluene

Concen: 26.367 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

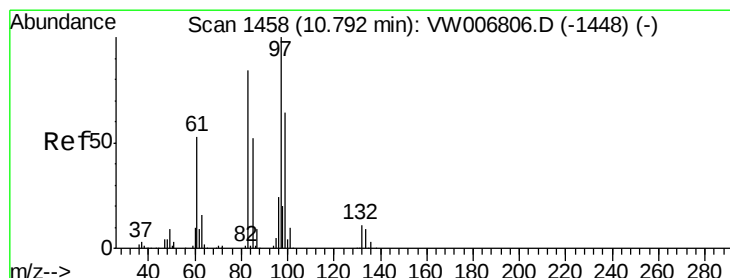
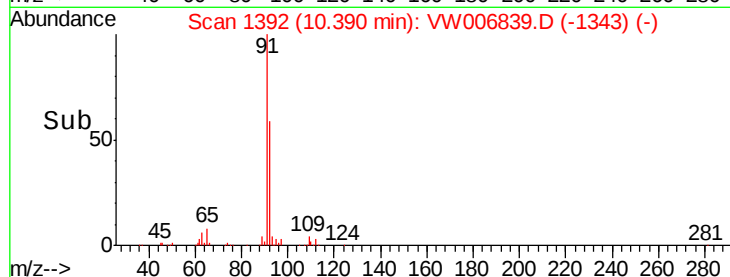
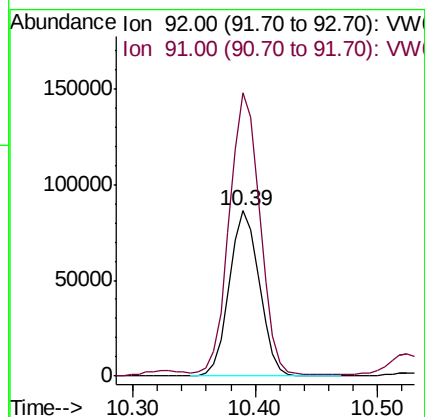
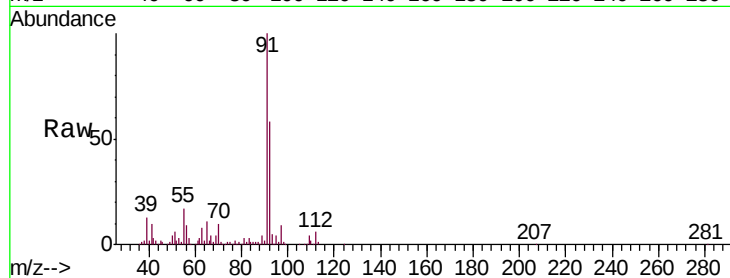
EP2-SB-105(0-4)

Tgt Ion: 92 Resp: 145727

Ion Ratio Lower Upper

92 100

91 174.5 139.4 209.2



#55

1,1,2-Trichloroethane

Concen: 294.681 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Tgt Ion: 97 Resp: 442269

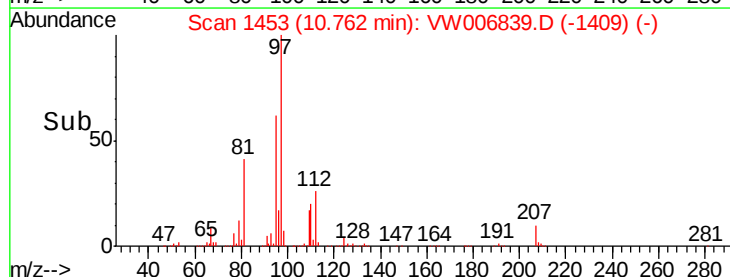
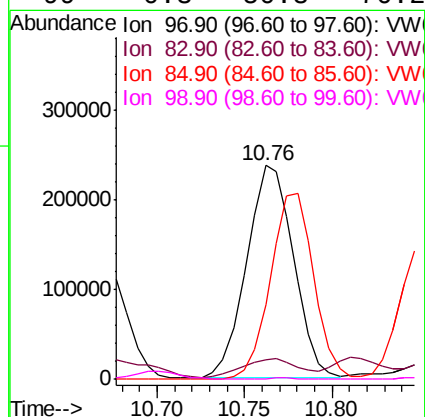
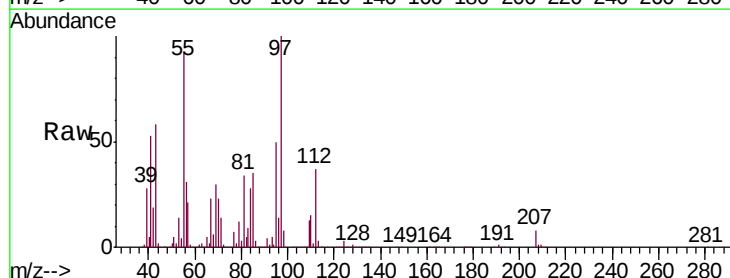
Ion Ratio Lower Upper

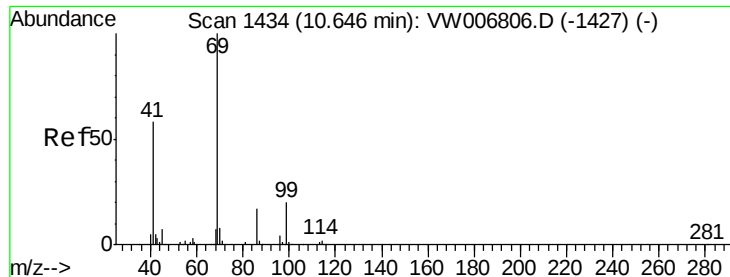
97 100

83 8.2 67.0 100.4#

85 34.8 41.7 62.5#

99 0.3 50.8 76.2#





#56

Ethyl methacrylate

Concen: 51.566 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

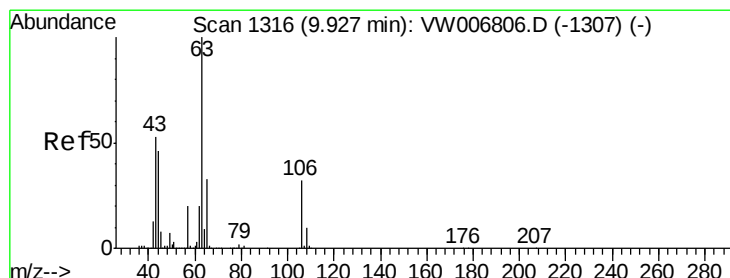
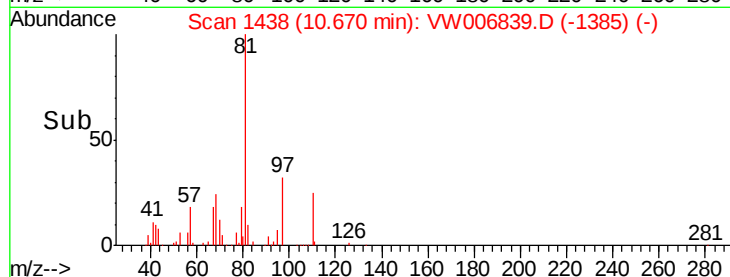
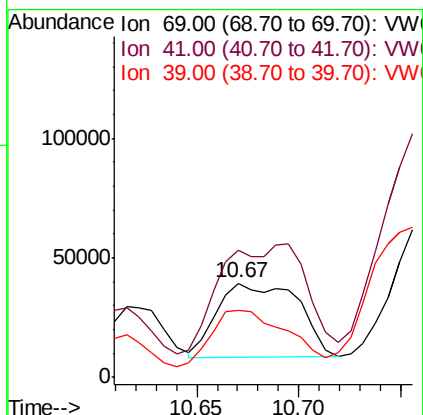
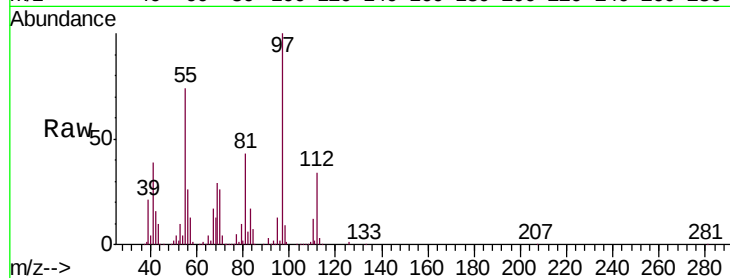
Tgt Ion: 69 Resp: 84818

Ion Ratio Lower Upper

69 100

41 0.0 47.0 70.4#

39 72.2 23.1 34.7#



#58

2-Chloroethyl Vinyl ether

Concen: 13.455 ug/l

RT: 9.90 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VW006839.D

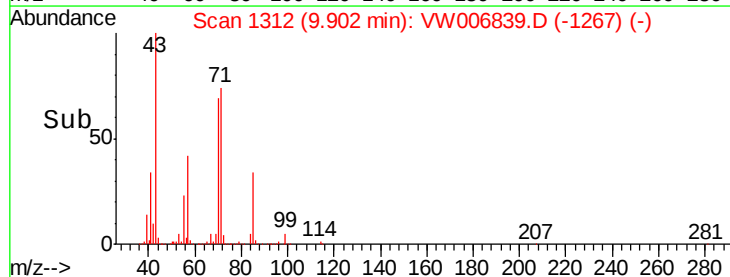
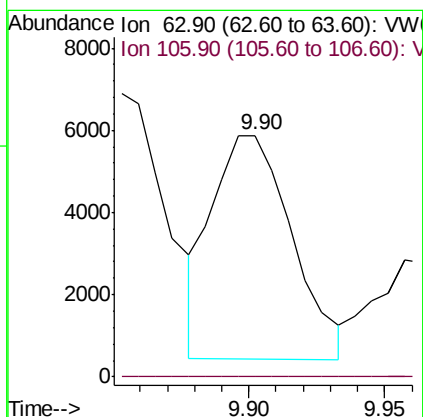
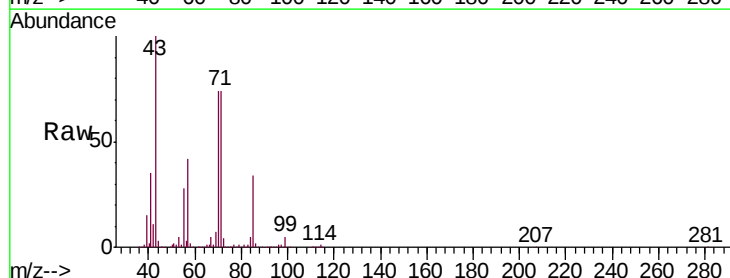
Acq: 13 Nov 2018 07:00

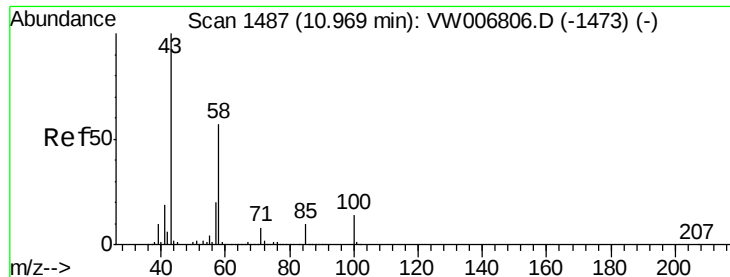
Tgt Ion: 63 Resp: 11084

Ion Ratio Lower Upper

63 100

106 0.0 25.4 38.0#

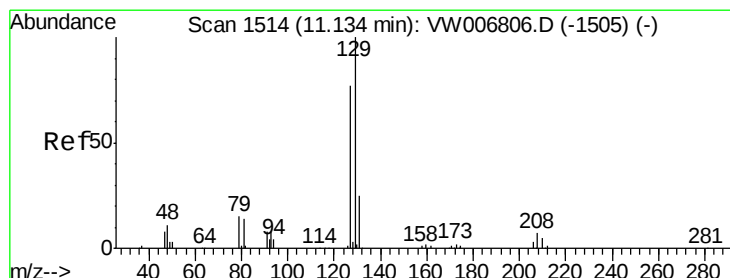
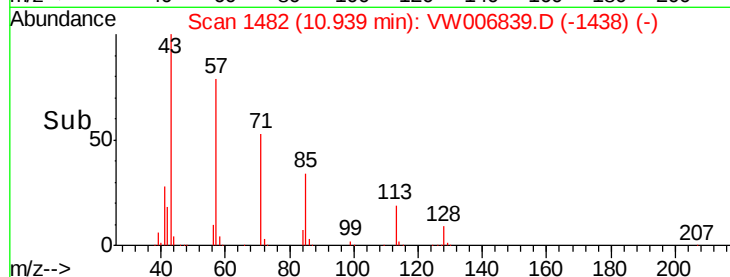
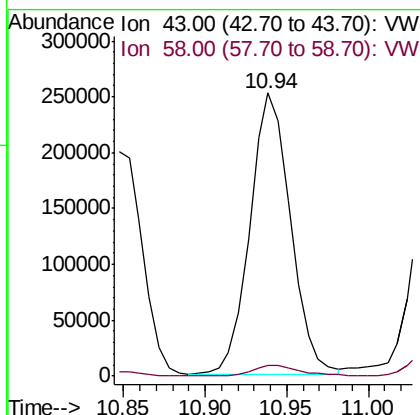
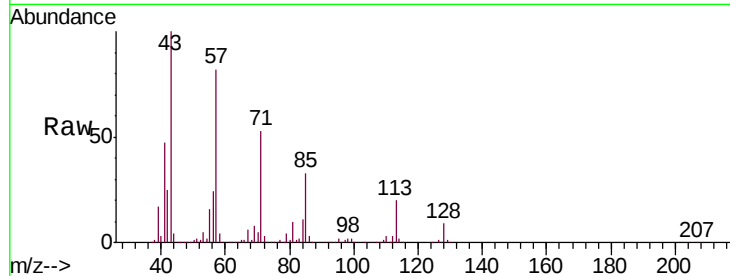




#59
2-Hexanone
Concen: 705.364 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

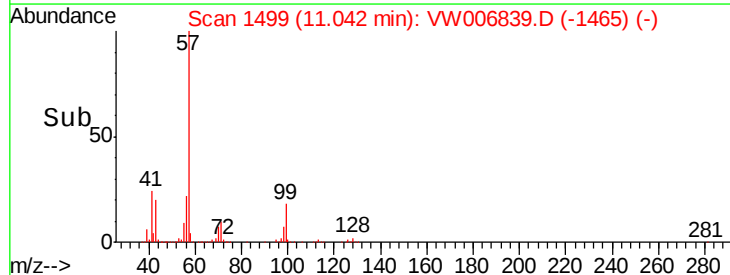
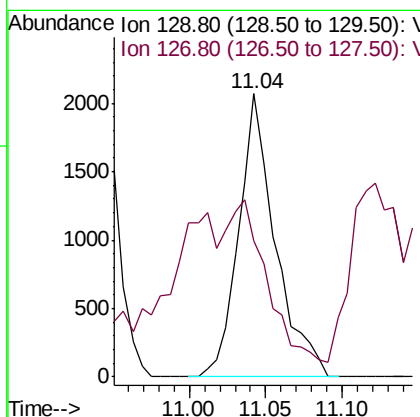
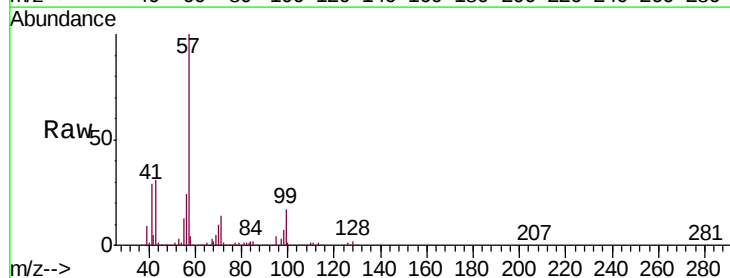
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

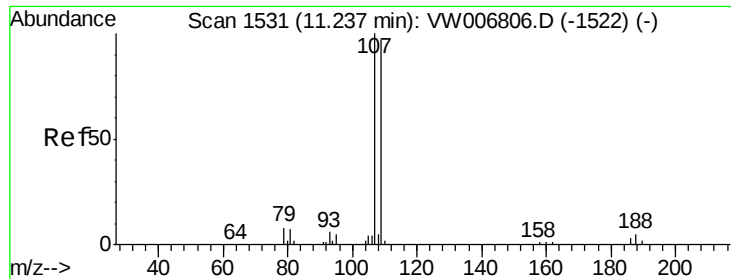
Tgt Ion: 43 Resp: 434981
Ion Ratio Lower Upper
43 100
58 4.7 28.7 86.1#



#60
Dibromochloromethane
Concen: 1.867 ug/l
RT: 11.04 min Scan# 1499
Delta R.T. -0.09 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 129 Resp: 3429
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#





#61

1,2-Dibromoethane

Concen: 2.223 ug/l

RT: 11.21 min Scan# 1526

Delta R.T. -0.03 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

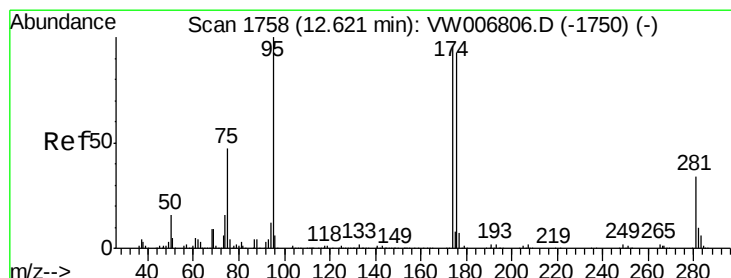
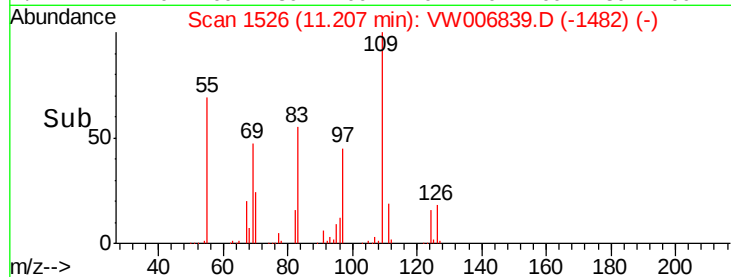
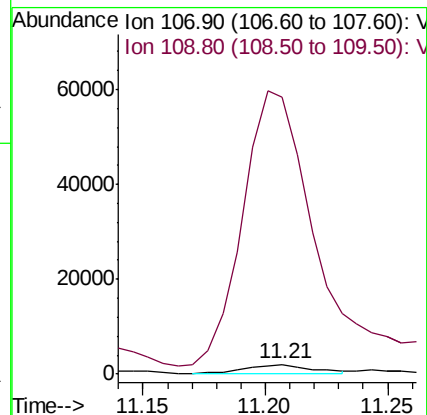
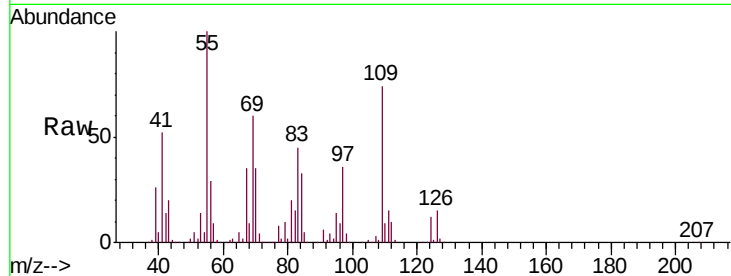
EP2-SB-105(0-4)

Tgt Ion: 107 Resp: 3169

Ion Ratio Lower Upper

107 100

109 3786.0 76.7 115.1#



#62

4-Bromofluorobenzene

Concen: 40.902 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

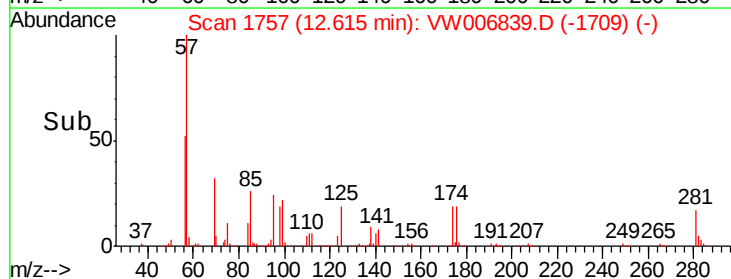
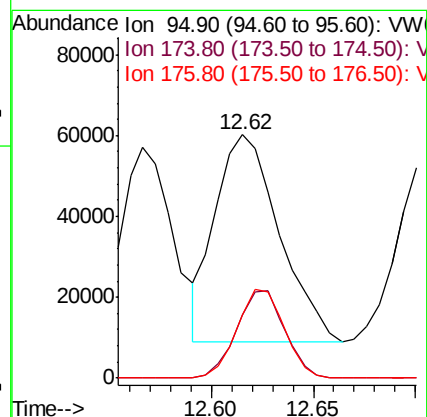
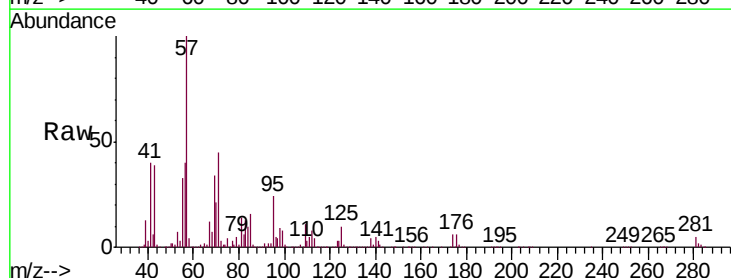
Tgt Ion: 95 Resp: 111396

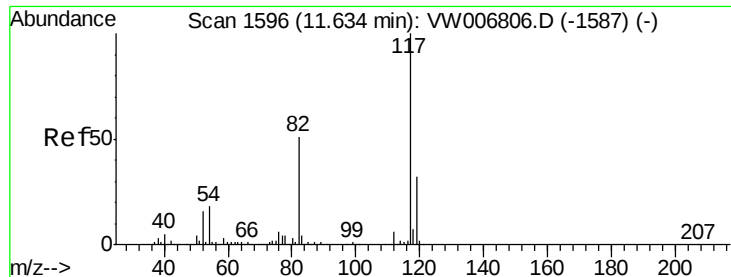
Ion Ratio Lower Upper

95 100

174 31.8 0.0 196.6

176 31.9 0.0 191.6

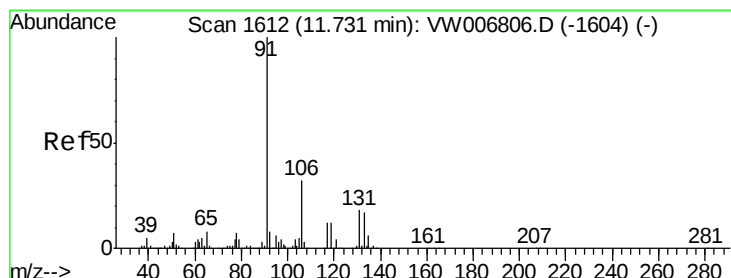
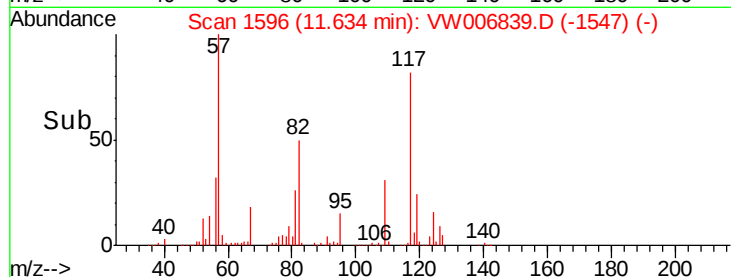
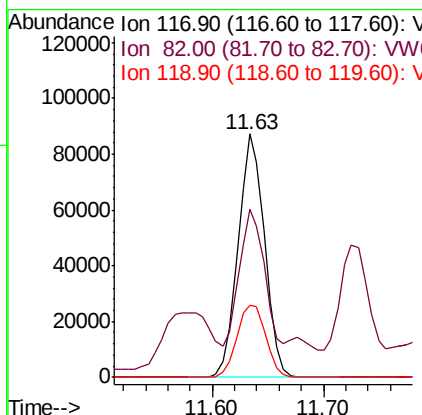
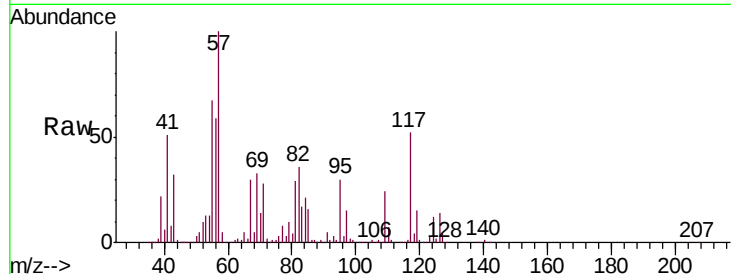




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

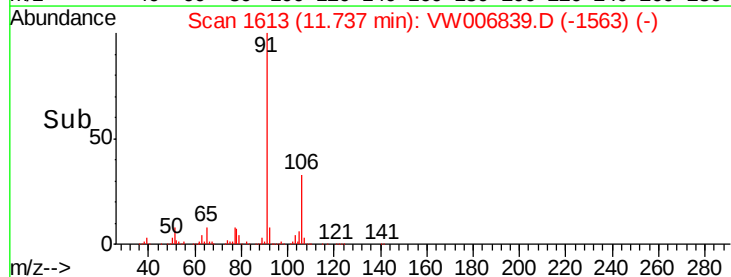
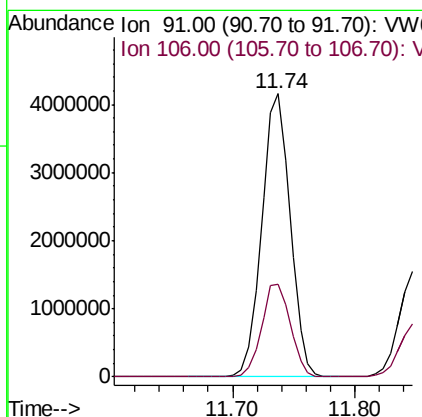
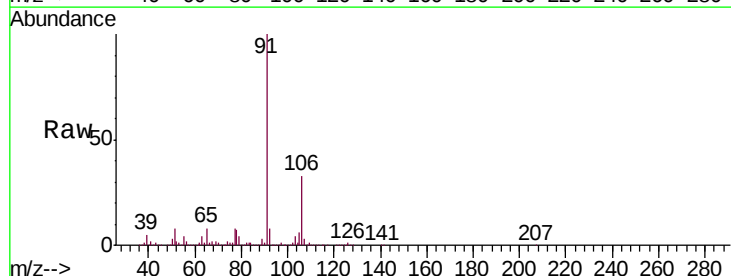
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

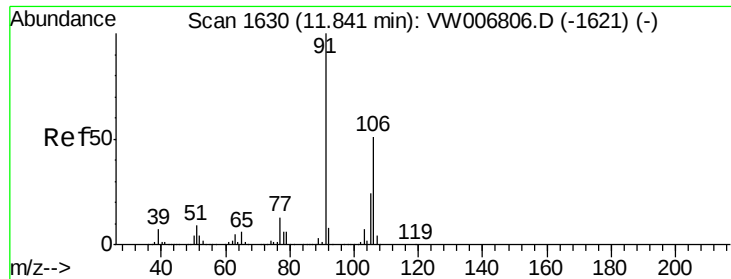
Tgt Ion: 117 Resp: 142996
Ion Ratio Lower Upper
117 100
82 42.5 40.6 61.0
119 29.6 25.5 38.3



#67
Ethyl Benzene
Concen: 1243.562 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 91 Resp: 6725427
Ion Ratio Lower Upper
91 100
106 32.6 25.4 38.0

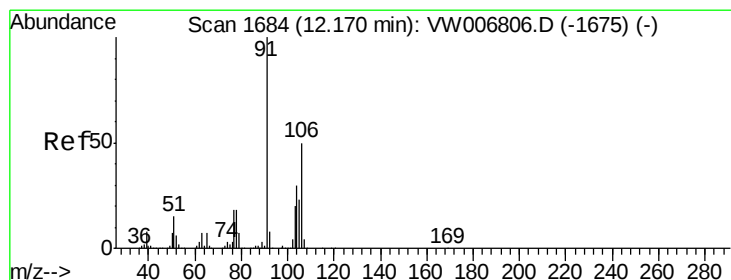
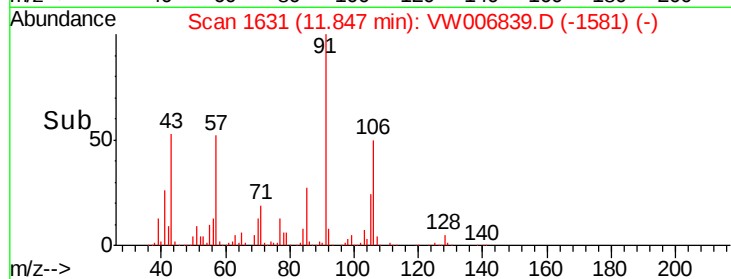
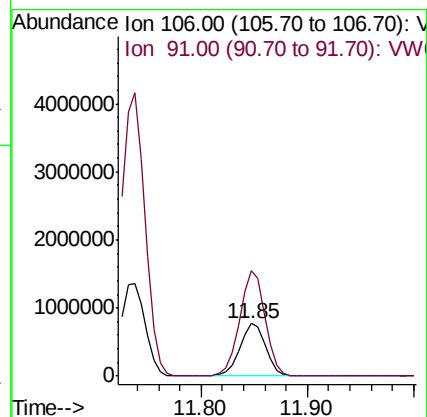
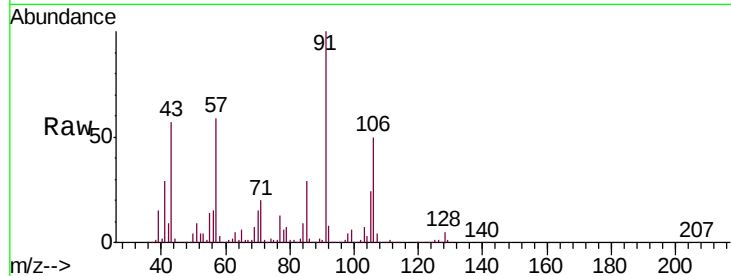




#68
m/p-Xylenes
Concen: 594.289 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

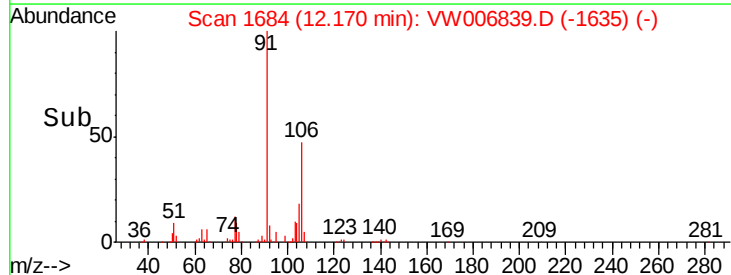
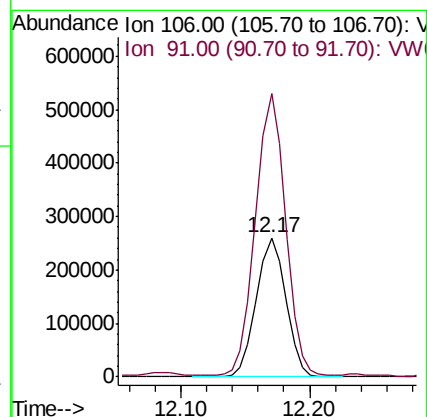
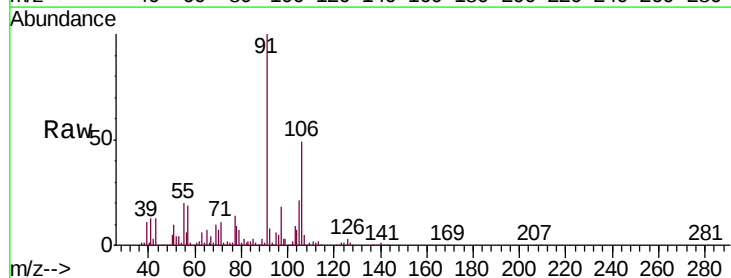
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

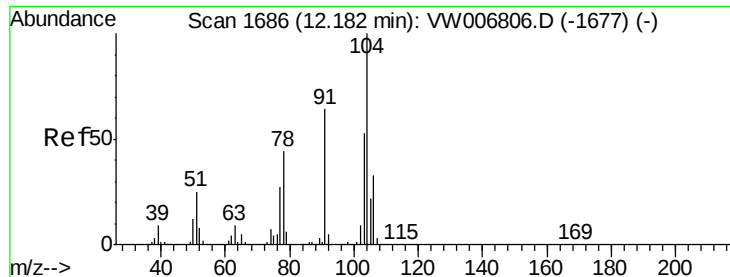
Tgt Ion:106 Resp: 1315026
Ion Ratio Lower Upper
106 100
91 196.4 155.7 233.5



#69
o-Xylene
Concen: 199.927 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:106 Resp: 411728
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7

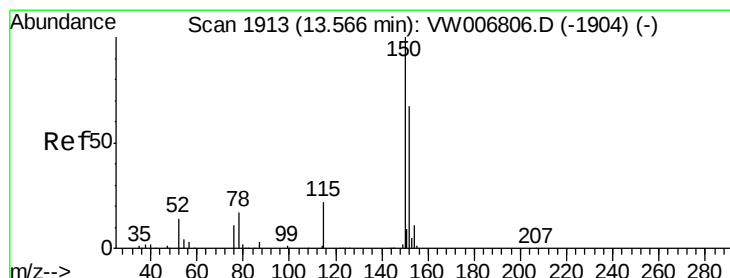
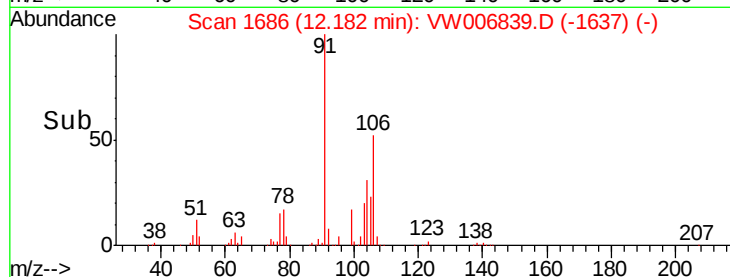
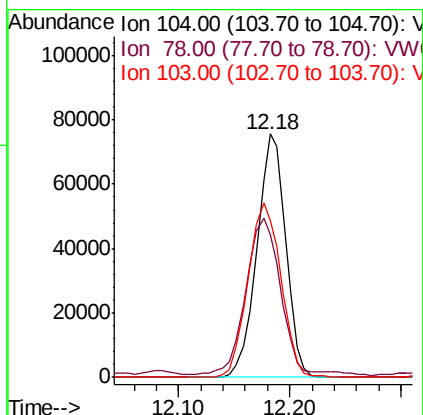
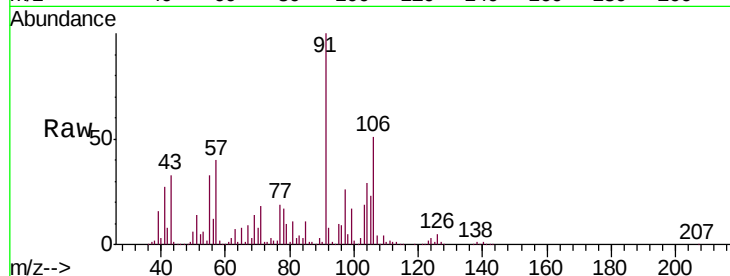




#70
Styrene
Concen: 41.310 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

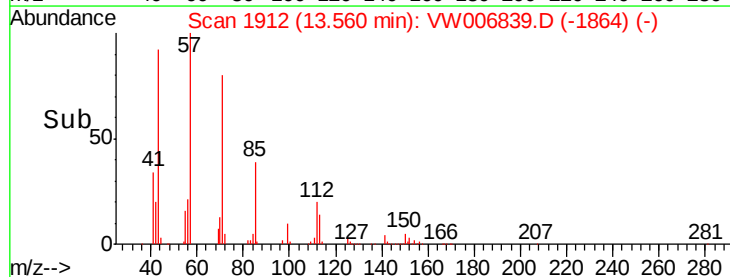
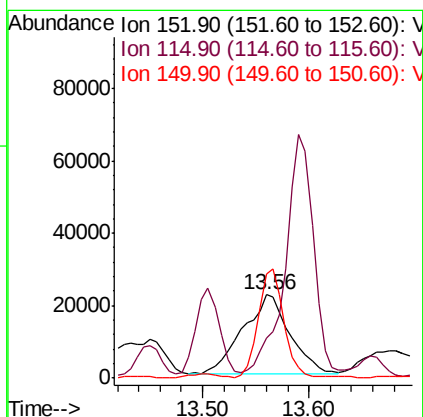
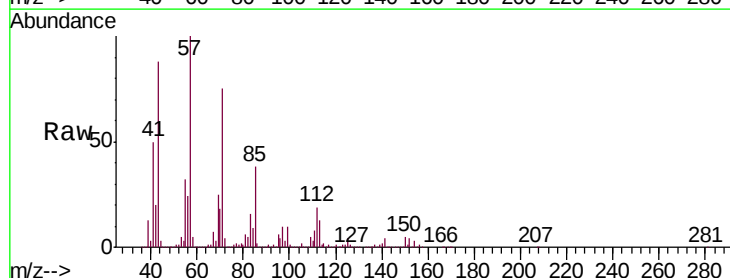
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

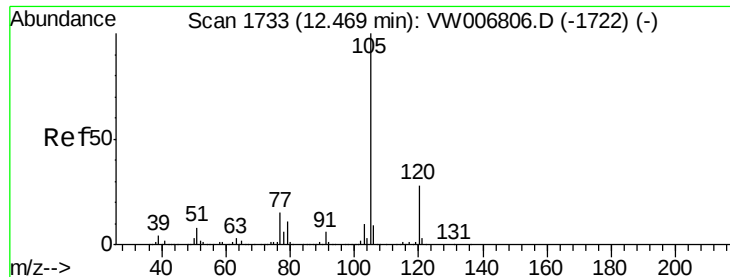
Tgt Ion:104 Resp: 136164
Ion Ratio Lower Upper
104 100
78 76.1 37.3 55.9#
103 81.9 44.6 66.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:152 Resp: 66950
Ion Ratio Lower Upper
152 100
115 0.0 27.3 81.8#
150 74.2 0.0 353.0





#73

Isopropylbenzene

Concen: 223.606 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

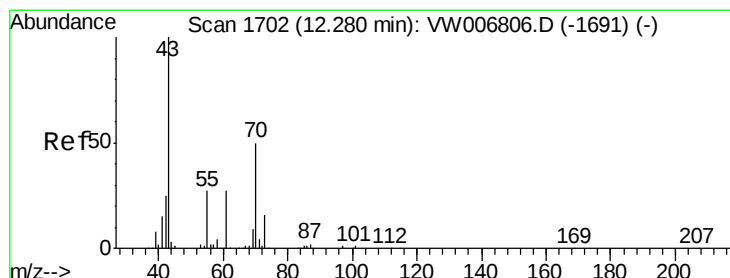
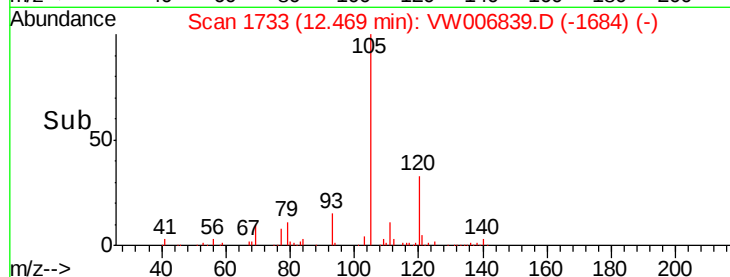
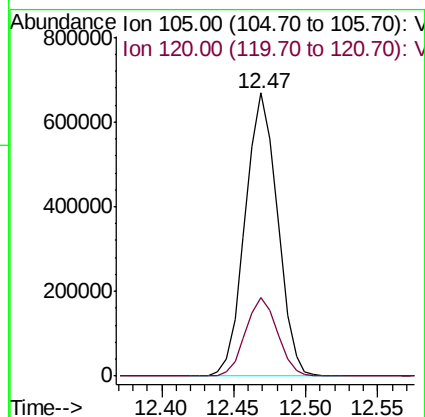
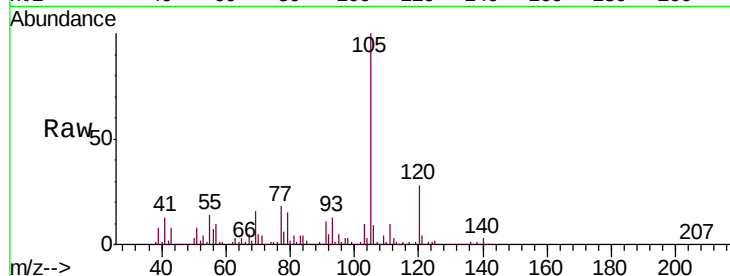
EP2-SB-105(0-4)

Tgt Ion:105 Resp: 1039151

Ion Ratio Lower Upper

105 100

120 27.3 14.0 42.0



#74

N-ethyl acetate

Concen: 676.606 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Tgt Ion: 43 Resp: 475437

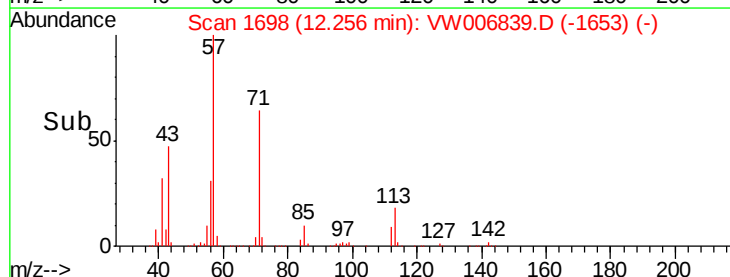
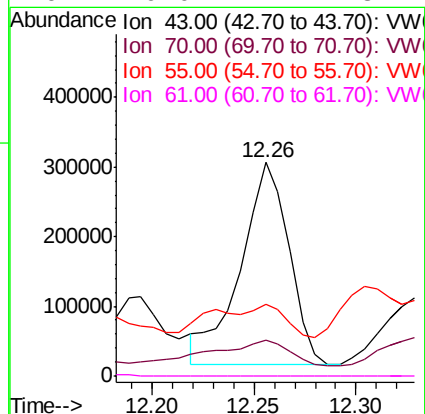
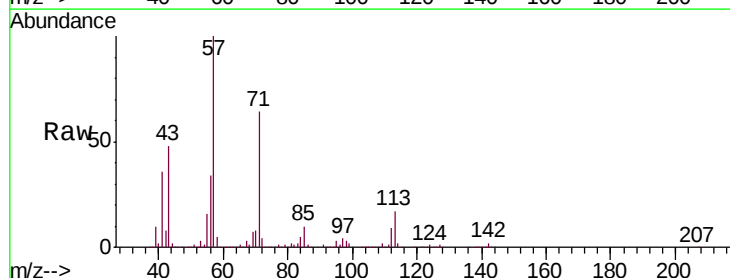
Ion Ratio Lower Upper

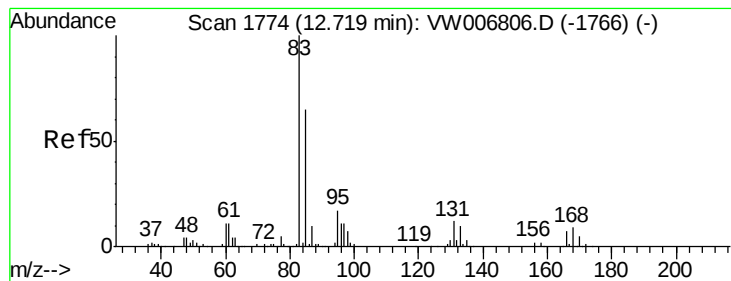
43 100

70 20.8 39.0 58.4#

55 0.0 22.1 33.1#

61 0.0 21.1 31.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 42.260 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

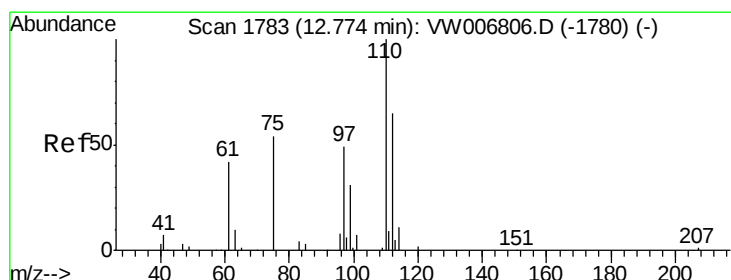
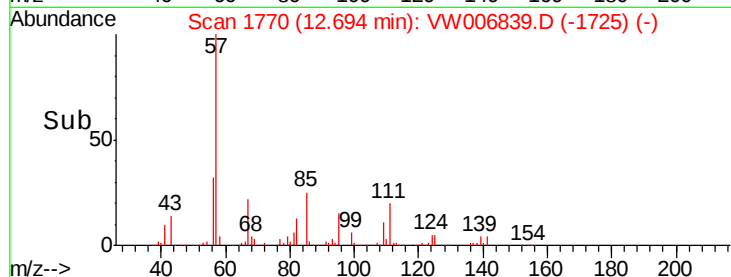
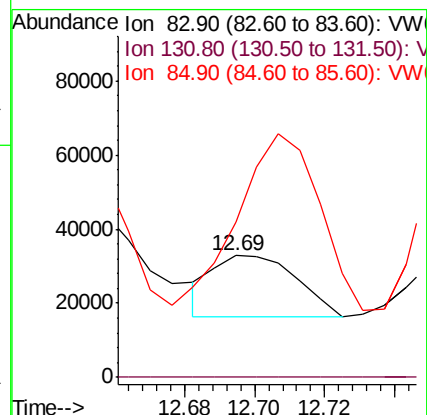
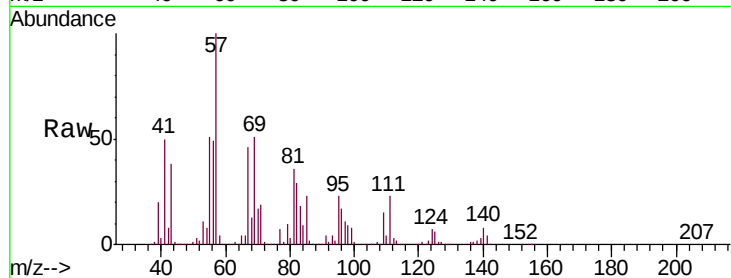
Tgt Ion: 83 Resp: 27168

Ion Ratio Lower Upper

83 100

131 0.0 6.1 18.3#

85 428.9 32.4 97.0#



#76

1,2,3-Trichloropropane

Concen: 39.931 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW006839.D

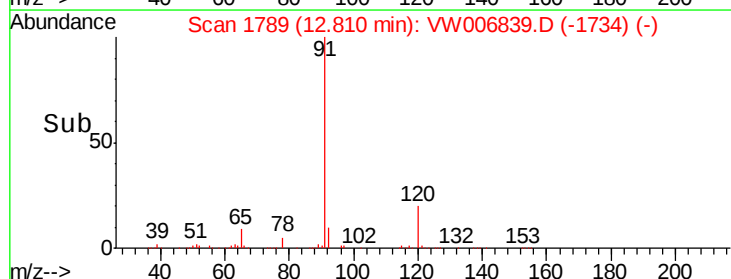
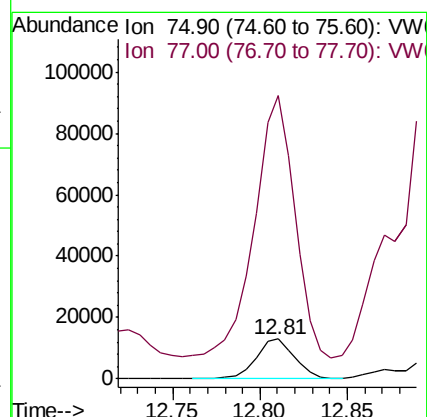
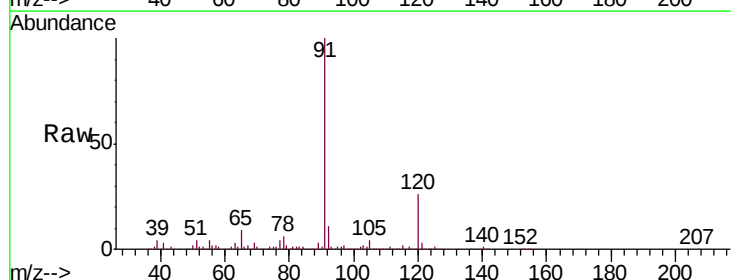
Acq: 13 Nov 2018 07:00

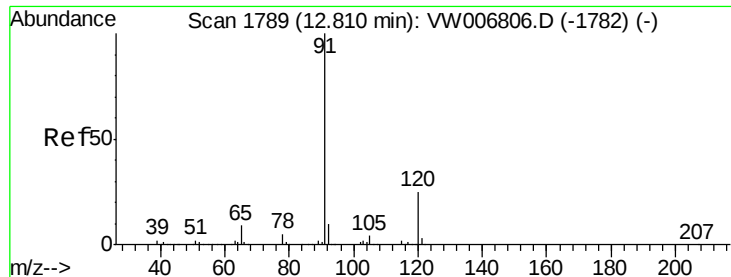
Tgt Ion: 75 Resp: 19266

Ion Ratio Lower Upper

75 100

77 713.3 0.0 0.0#





#78

n-propylbenzene

Concen: 643.168 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

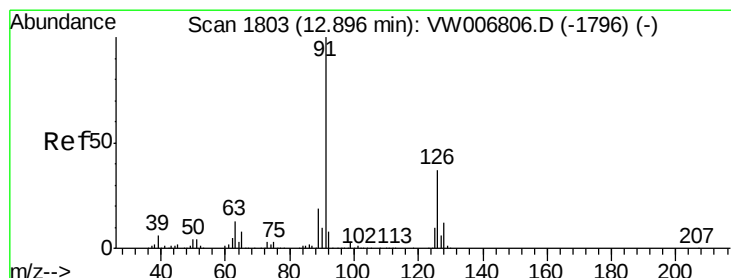
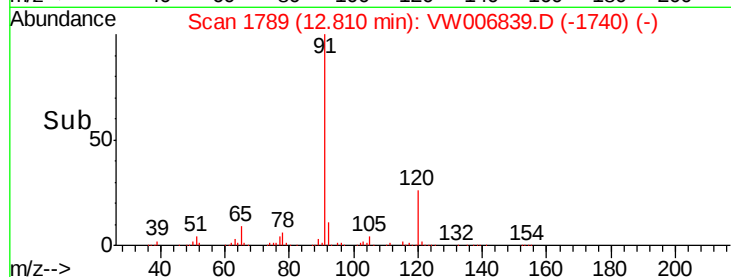
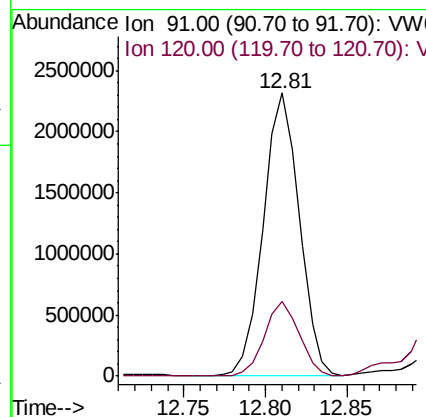
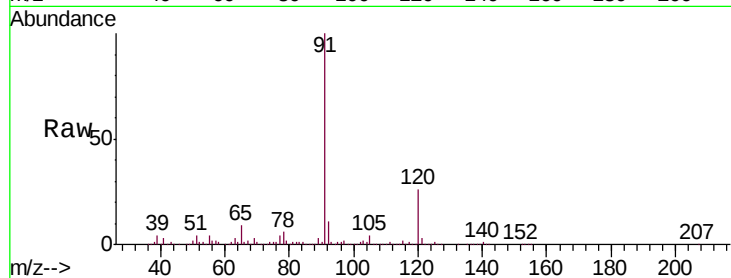
EP2-SB-105(0-4)

Tgt Ion: 91 Resp: 3527678

Ion Ratio Lower Upper

91 100

120 25.5 12.4 37.4



#79

2-Chlorotoluene

Concen: 134.452 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW006839.D

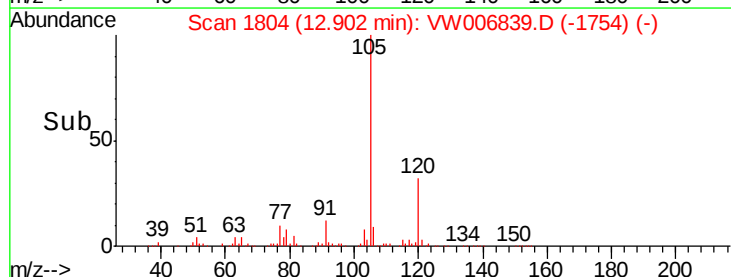
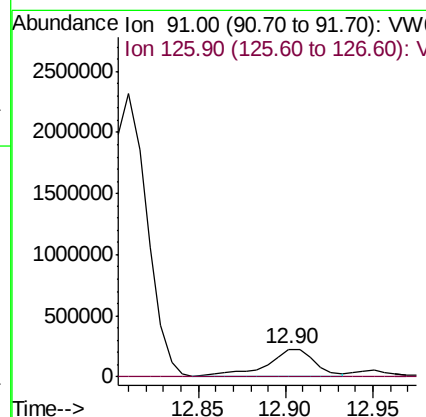
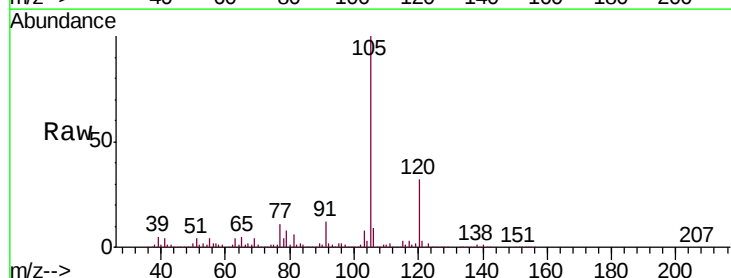
Acq: 13 Nov 2018 07:00

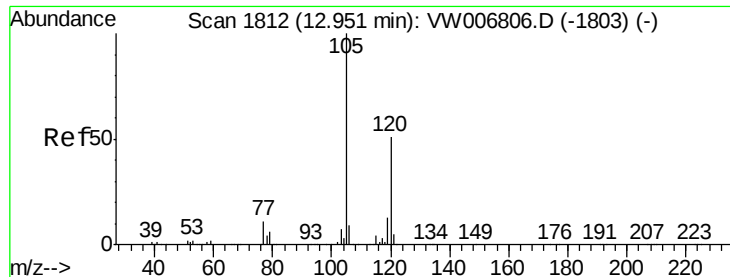
Tgt Ion: 91 Resp: 413742

Ion Ratio Lower Upper

91 100

126 3.6 18.5 55.5#

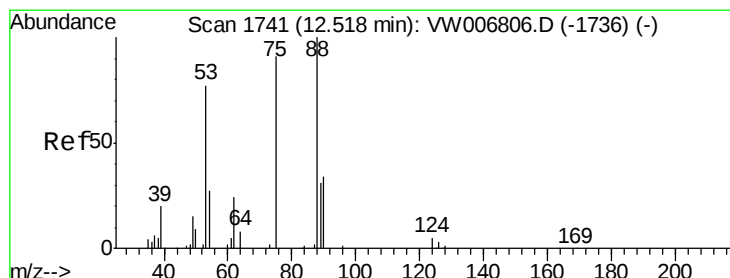
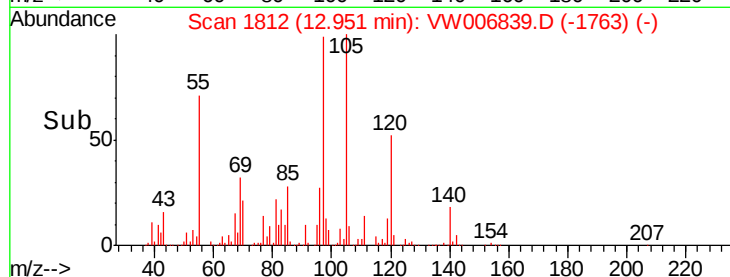
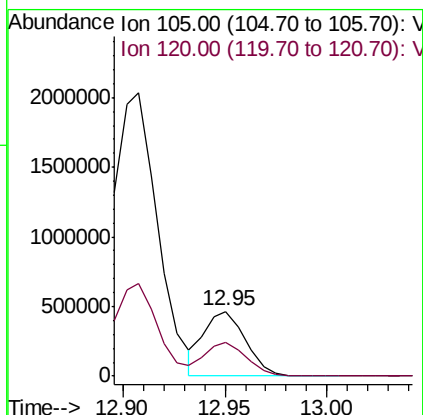
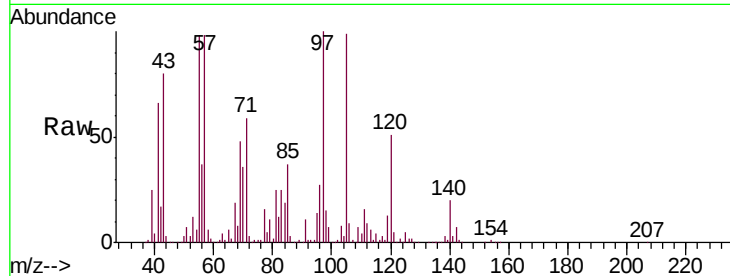




#80
 1,3,5-Trimethylbenzene
 Concen: 165.675 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

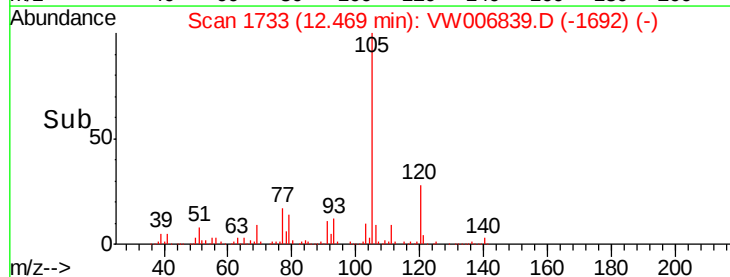
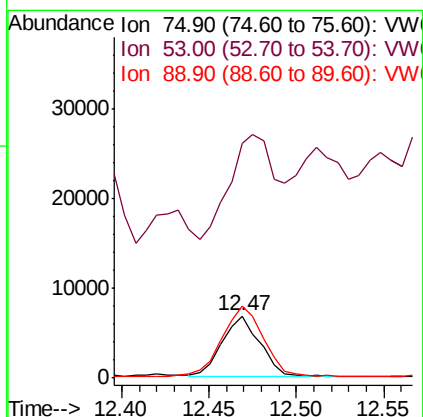
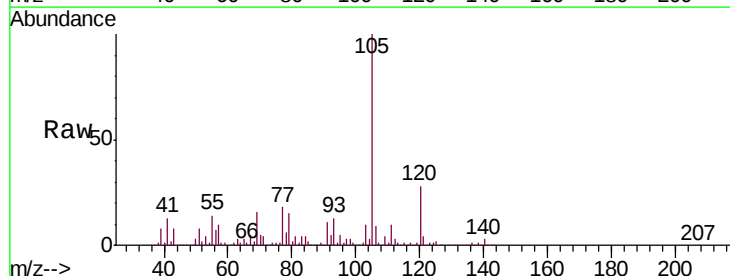
Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-105(0-4)

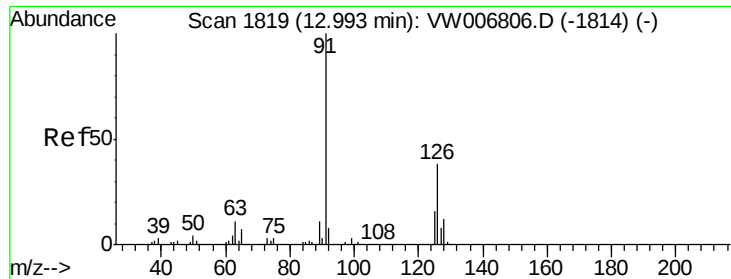
Tgt Ion:105 Resp: 661880
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.098 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.05 min
 Lab File: VW006839.D
 Acq: 13 Nov 2018 07:00

Tgt Ion: 75 Resp: 10357
 Ion Ratio Lower Upper
 75 100
 53 204.4 72.9 109.3#
 89 126.6 38.7 58.1#

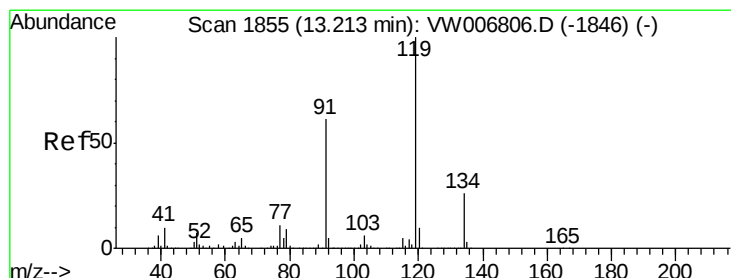
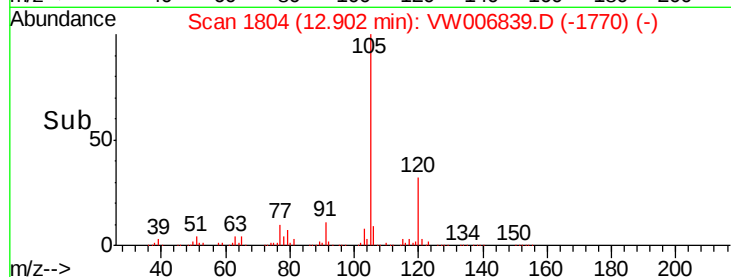
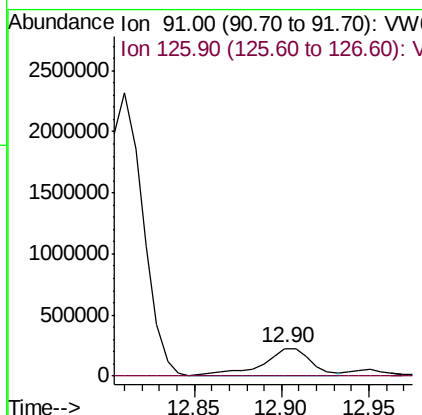
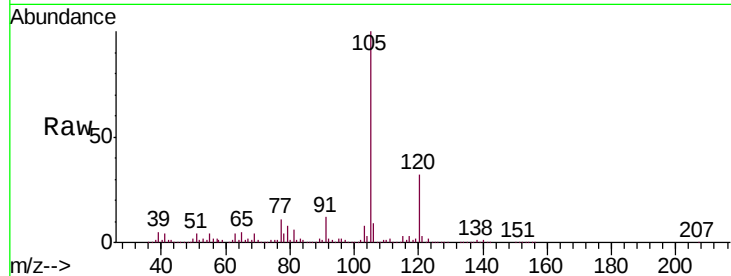




#82
4-Chlorotoluene
Concen: 126.015 ug/l
RT: 12.90 min Scan# 1804
Delta R.T. -0.09 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

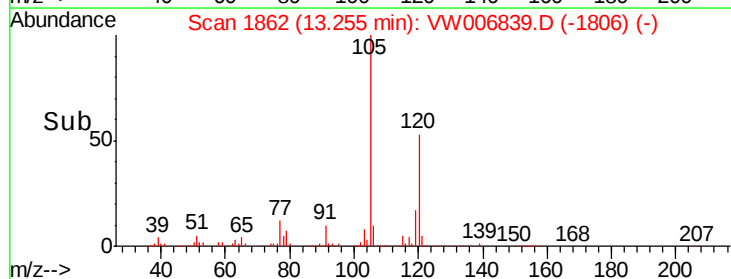
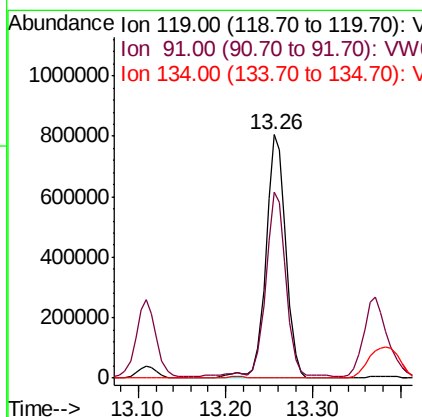
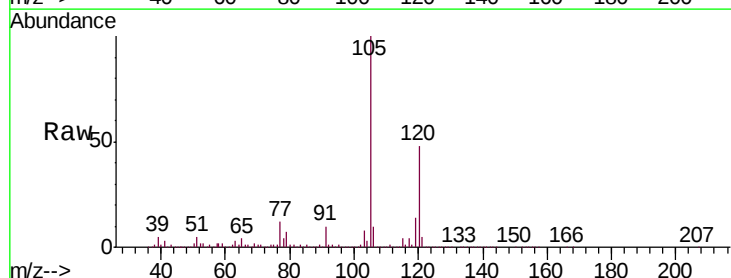
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

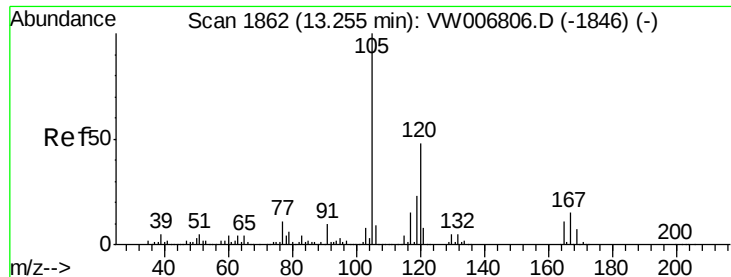
Tgt Ion: 91 Resp: 413742
Ion Ratio Lower Upper
91 100
126 3.6 18.4 55.2#



#83
tert-Butylbenzene
Concen: 362.917 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.04 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion: 119 Resp: 1281599
Ion Ratio Lower Upper
119 100
91 74.1 30.0 90.1
134 0.0 13.4 40.2#

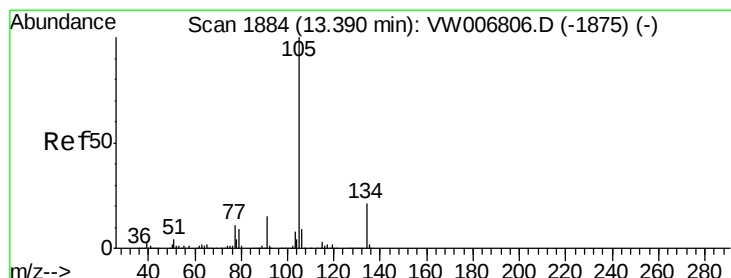
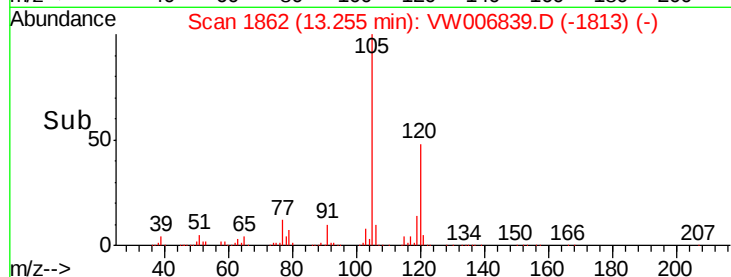
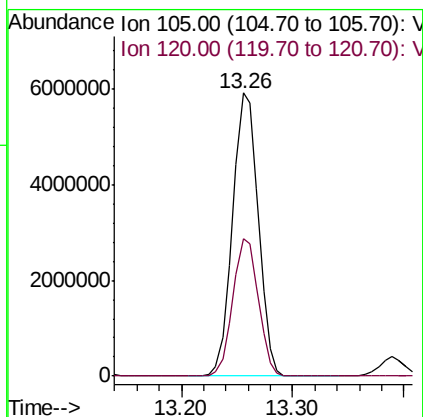
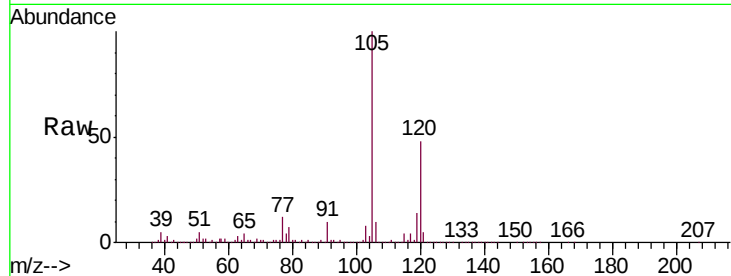




#84
1,2,4-Trimethylbenzene
Concen: 2323.715 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

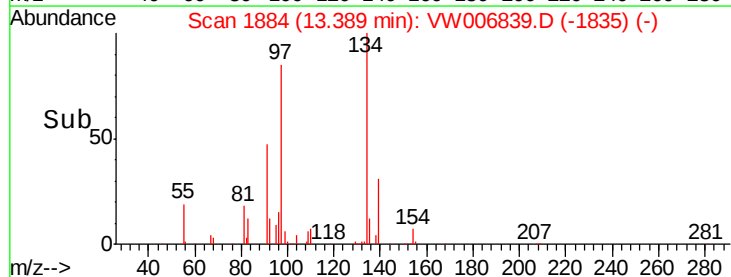
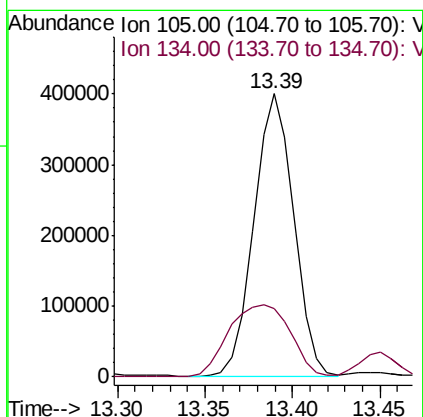
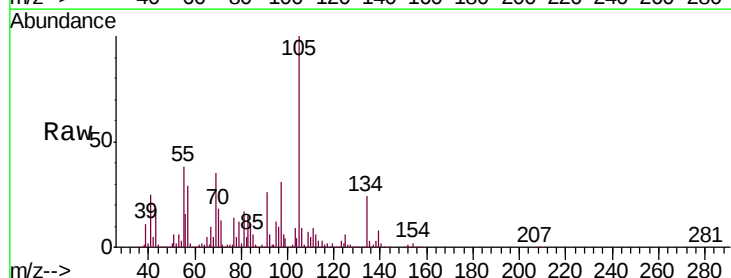
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

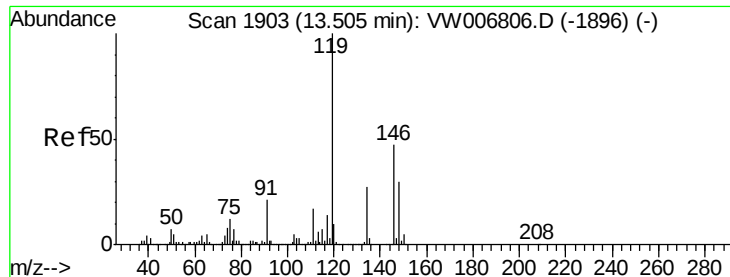
Tgt Ion:105 Resp: 9447427
Ion Ratio Lower Upper
105 100
120 48.3 23.4 70.0



#85
sec-Butylbenzene
Concen: 125.552 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:105 Resp: 628275
Ion Ratio Lower Upper
105 100
134 39.9 10.7 31.9#

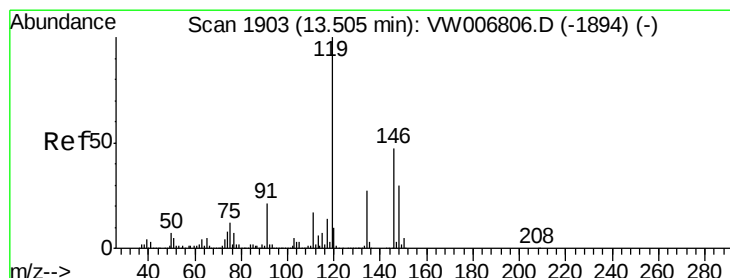
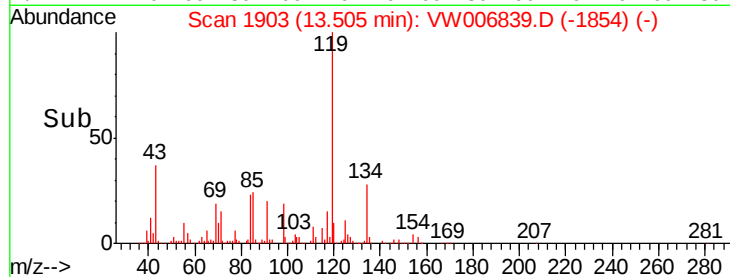
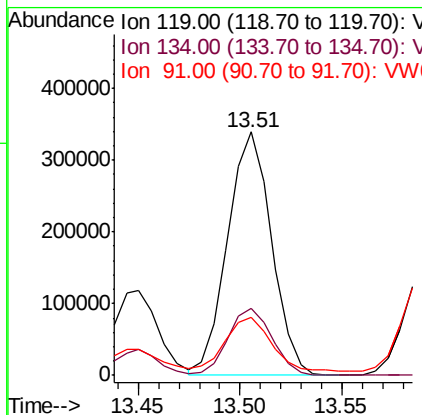
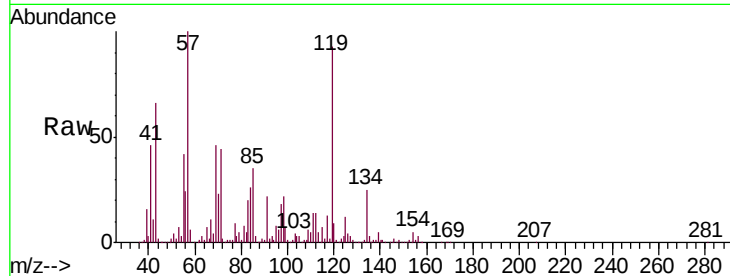




#86
p-Isopropyltoluene
Concen: 111.340 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

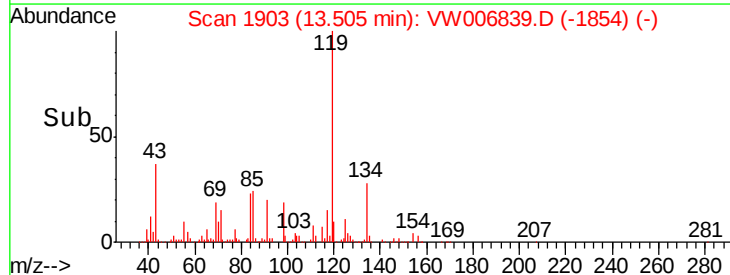
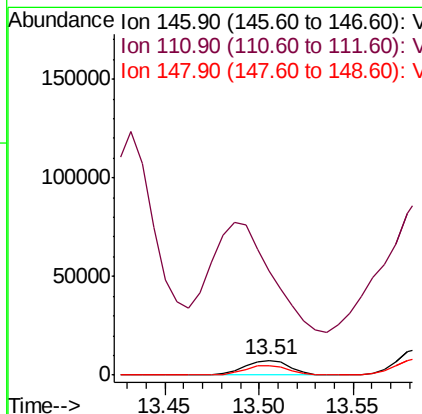
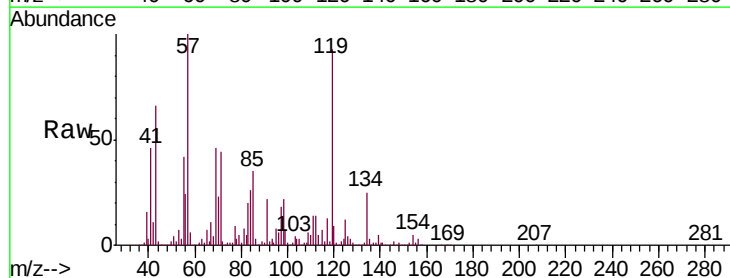
Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-105(0-4)

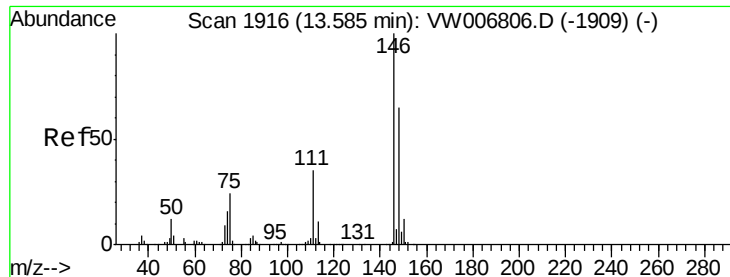
Tgt Ion:119 Resp: 506786
Ion Ratio Lower Upper
119 100
134 27.7 13.5 40.4
91 22.9 10.8 32.4



#87
1,3-Dichlorobenzene
Concen: 5.074 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW006839.D
Acq: 13 Nov 2018 07:00

Tgt Ion:146 Resp: 12117
Ion Ratio Lower Upper
146 100
111 995.7 18.3 54.9#
148 68.0 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 9.080 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

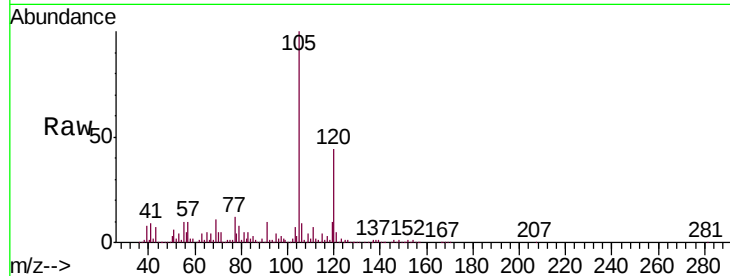
Tgt Ion:146 Resp: 21452

Ion Ratio Lower Upper

146 100

111 664.6 17.8 53.3#

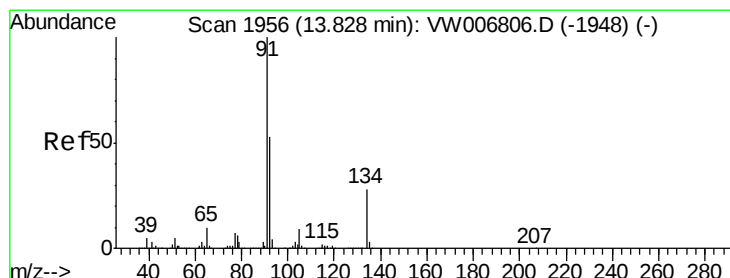
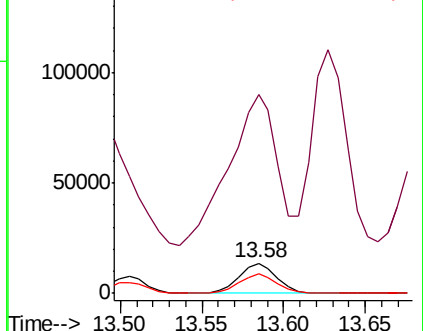
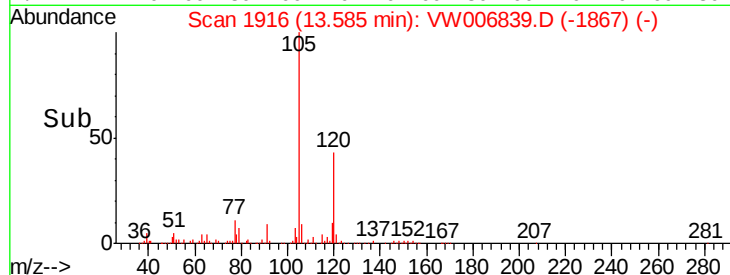
148 65.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

150000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 259.891 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

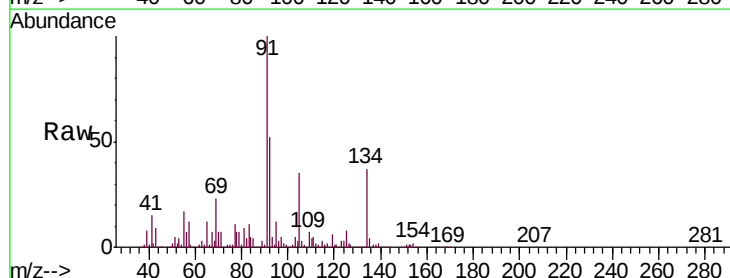
Tgt Ion: 91 Resp: 1081082

Ion Ratio Lower Upper

91 100

92 44.9 26.5 79.4

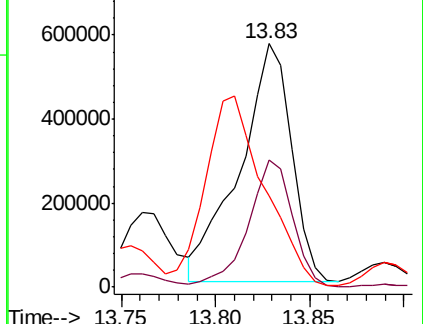
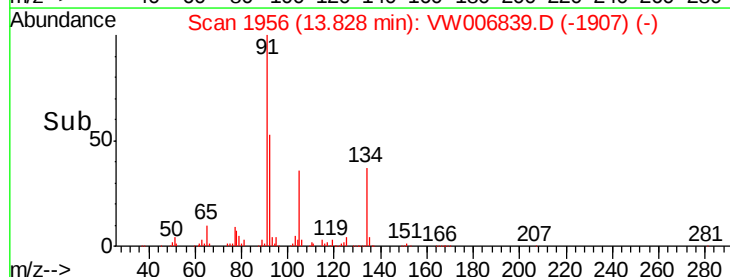
134 90.5 14.4 43.2#

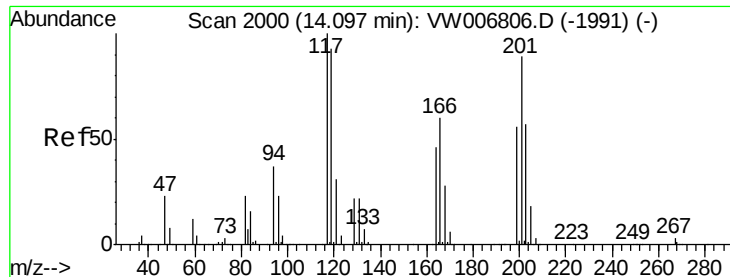


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 418.437 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

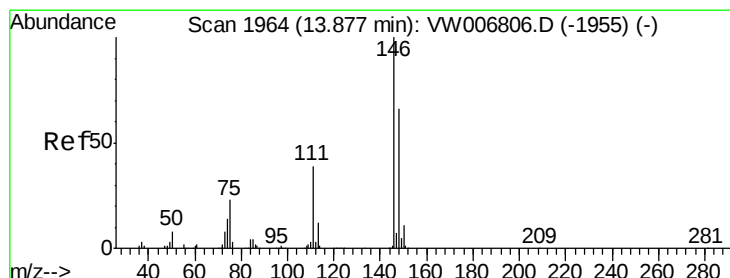
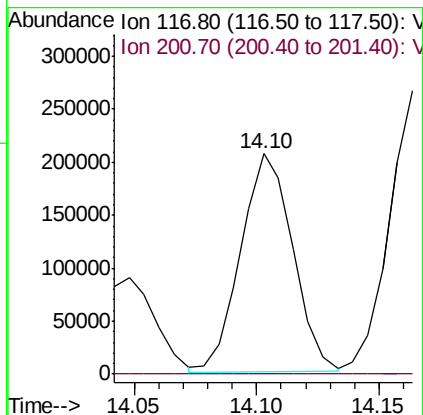
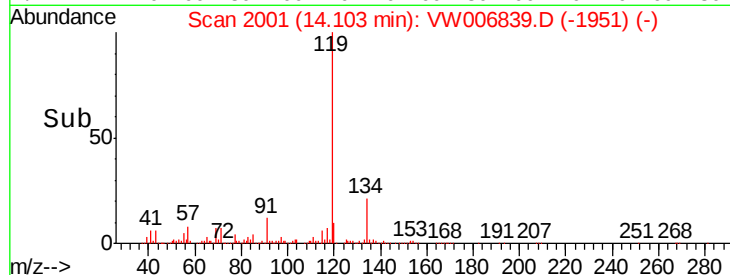
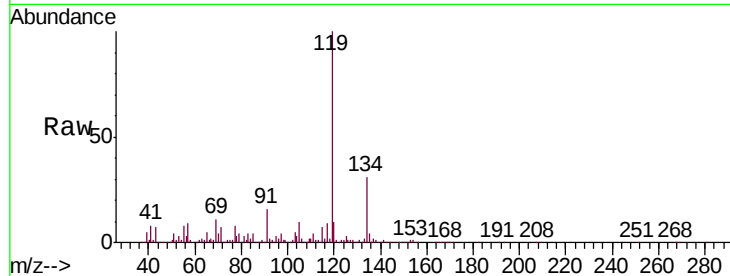
EP2-SB-105(0-4)

Tgt Ion:117 Resp: 304758

Ion Ratio Lower Upper

117 100

201 0.0 46.9 140.6#



#91

1,2-Dichlorobenzene

Concen: 96.296 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

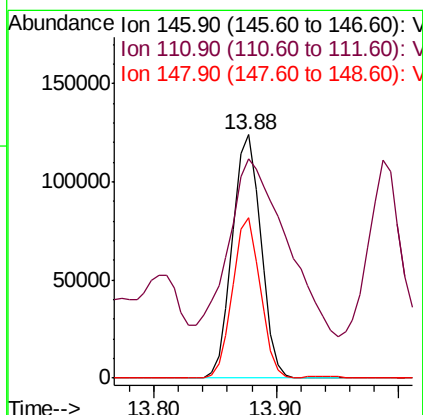
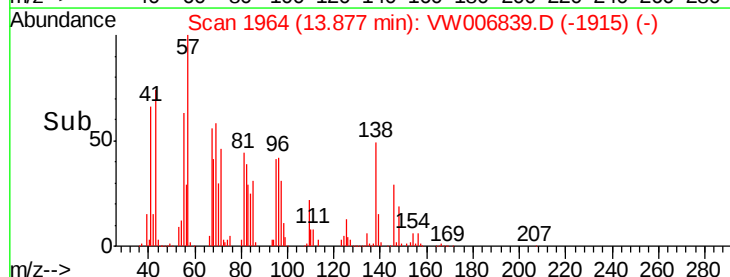
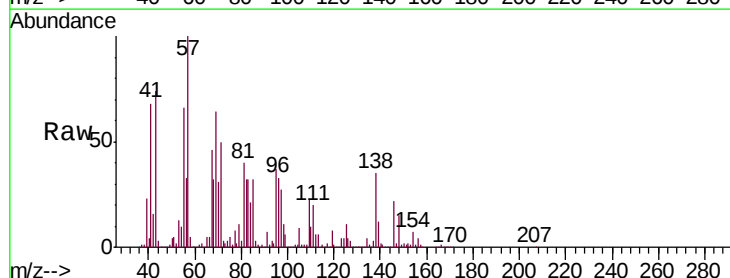
Tgt Ion:146 Resp: 200251

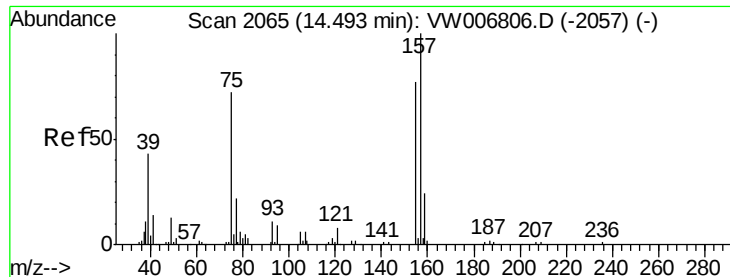
Ion Ratio Lower Upper

146 100

111 152.2 19.3 57.8#

148 64.1 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.413 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

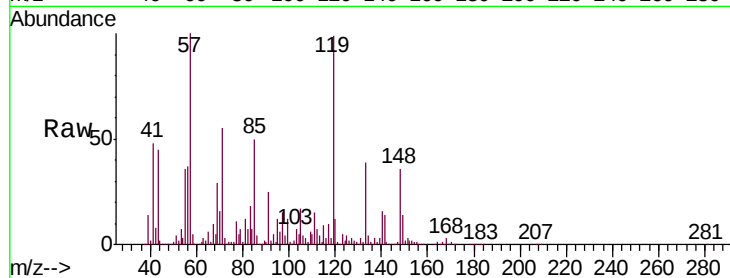
Tgt Ion: 75 Resp: 4674

Ion Ratio Lower Upper

75 100

155 133.3 51.0 153.1

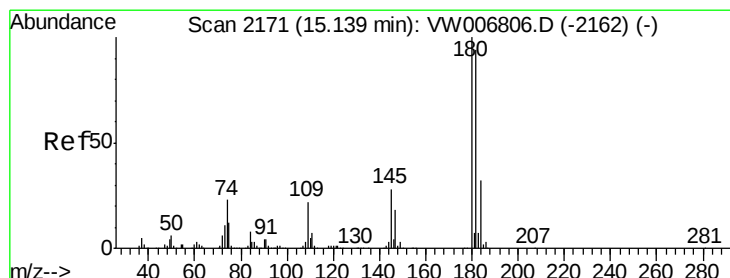
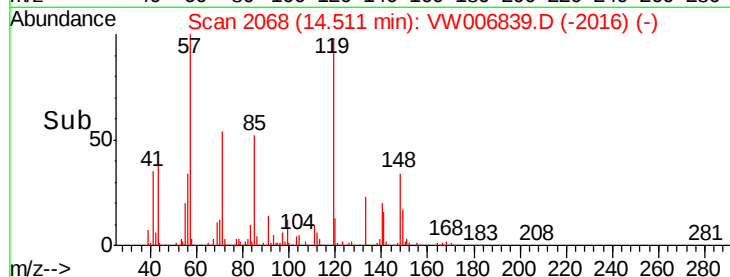
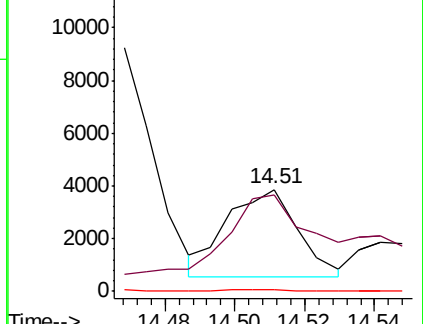
157 1.4 67.4 202.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.913 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

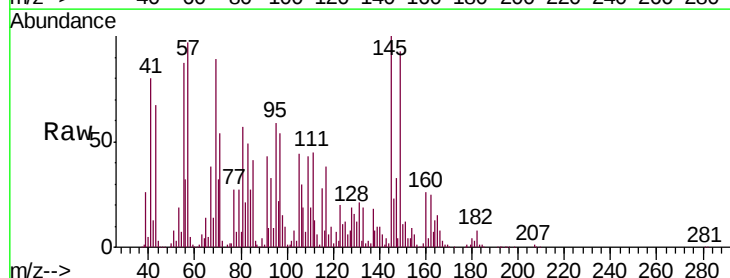
Tgt Ion:180 Resp: 6143

Ion Ratio Lower Upper

180 100

182 297.1 47.5 142.5#

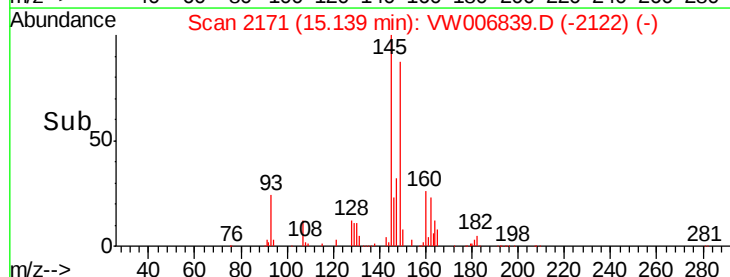
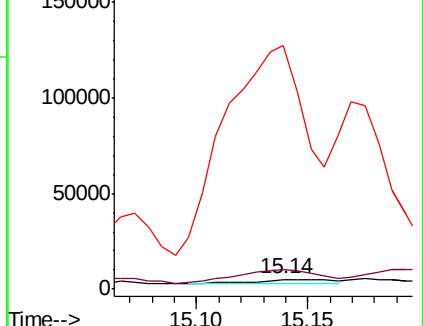
145 5581.9 14.0 41.9#

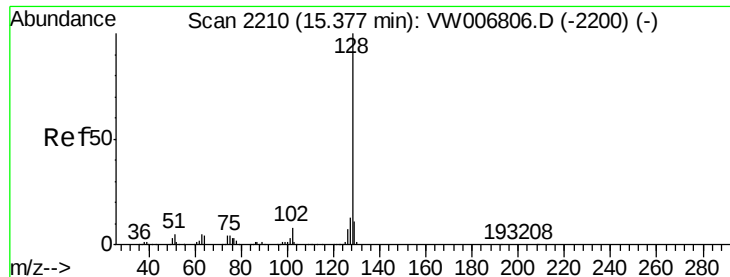


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 664.866 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-105(0-4)

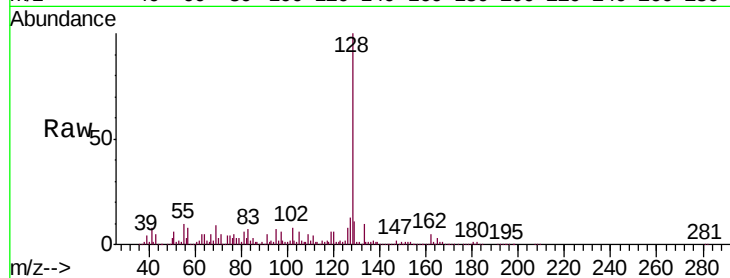
Tgt Ion:128 Resp: 1561213

Ion Ratio Lower Upper

128 100

127 15.9 10.3 15.5#

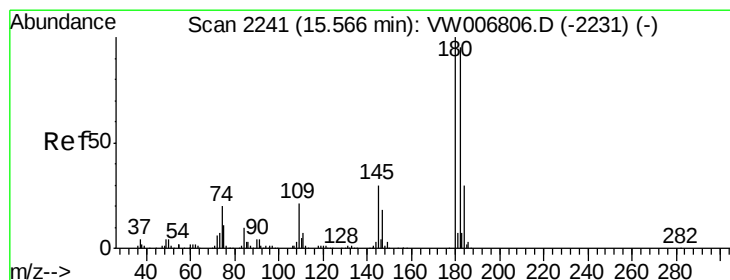
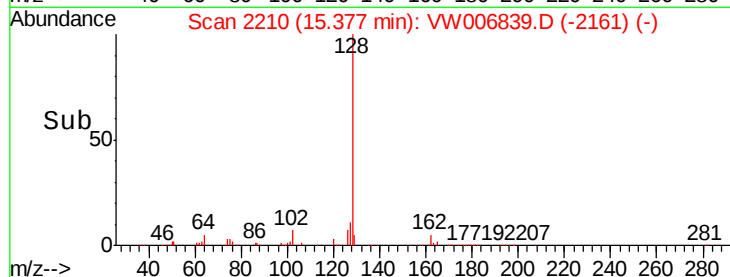
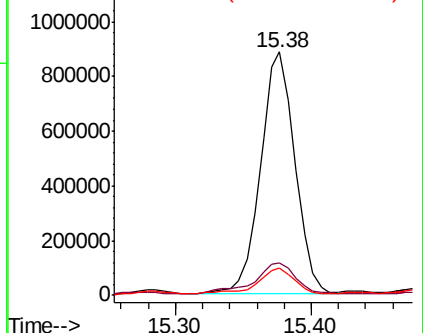
129 10.9 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 9.607 ug/l

RT: 15.53 min Scan# 2235

Delta R.T. -0.04 min

Lab File: VW006839.D

Acq: 13 Nov 2018 07:00

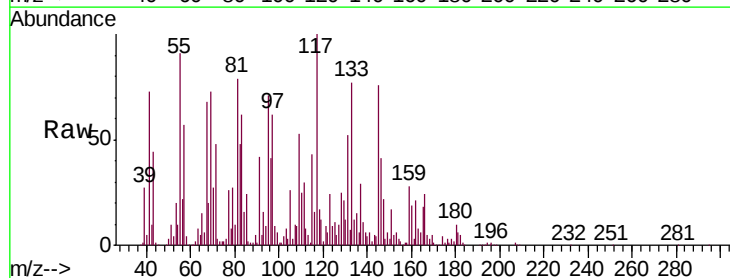
Tgt Ion:180 Resp: 12944

Ion Ratio Lower Upper

180 100

182 43.2 47.9 143.6#

145 1159.9 15.2 45.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

