

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122318\
 Data File : VW007833.D
 Acq On : 22 Dec 2018 10:32
 Operator : SY/AP
 Sample : J6426-14
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

Quant Time: Dec 23 23:49:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	54040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	94660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	46643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11371	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	32852	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	27952	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.32	98	72014	33.08	ug/l	0.00
Spiked Amount			Recovery	=	66.16%	
62) 4-Bromofluorobenzene	12.62	95	16018	19.05	ug/l	0.00
Spiked Amount			Recovery	=	38.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	1208	30.234	ug/l #	73
15) Acrylonitrile	5.43	53	10629	104.056	ug/l #	41
16) Acetone	4.12	43	9983	90.006	ug/l	98
18) Methyl Acetate	4.67	43	2239	8.488	ug/l	99
20) Methylene Chloride	4.90	84	2932	Below Cal	#	61
25) 2-Butanone	7.17	43	8091	62.280	ug/l #	74
26) 2,2-Dichloropropane	7.14	77	2210	3.136	ug/l #	53
31) Cyclohexane	7.96	56	97421	110.491	ug/l	95
36) 1,1-Dichloropropene	7.95	75	4337	4.747	ug/l #	74
37) Ethyl Acetate	7.26	43	9915	31.445	ug/l	98
38) Carbon Tetrachloride	7.95	117	5422	5.039	ug/l #	15
39) Methylcyclohexane	9.34	83	225280	198.433	ug/l	97
40) Benzene	8.32	78	52343	21.469	ug/l	96
41) Methacrylonitrile	7.53	41	180	1.005	ug/l #	22
43) Isopropyl Acetate	8.42	43	6544	10.359	ug/l #	49
45) 1,2-Dichloropropane	9.34	63	2406	4.448	ug/l #	1
48) Methyl methacrylate	9.52	41	9328	29.583	ug/l #	60
51) 4-Methyl-2-Pentanone	10.25	43	1740	5.828	ug/l #	81
52) Toluene	10.39	92	26882	16.434	ug/l	99
55) 1,1,2-Trichloroethane	10.76	97	40732	88.725	ug/l #	21
56) Ethyl methacrylate	10.63	69	5208	9.602	ug/l #	26
59) 2-Hexanone	10.94	43	48779	232.329	ug/l #	29
65) Chlorobenzene	11.66	112	3182583	3152.467	ug/l	98
67) Ethyl Benzene	11.84	91	7011225	4047.142	ug/l #	73
68) m/p-Xylenes	11.84	106	3298877	4908.903	ug/l	96
69) o-Xylene	12.17	106	16158	25.650	ug/l	94
70) Styrene	12.18	104	1873	1.809	ug/l #	1
73) Isopropylbenzene	12.47	105	839860	977.126	ug/l	99
74) N-amyl acetate	12.26	43	35157	236.141	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.70	83	2203	17.095	ug/l #	23
76) 1,2,3-Trichloropropane	12.81	75	8175	93.017	ug/l #	100
77) Bromobenzene	12.59	156	1107	5.620	ug/l #	1
78) n-propylbenzene	12.81	91	1280060	1279.372	ug/l	99
79) 2-Chlorotoluene	12.94	91	90242	154.826	ug/l #	43

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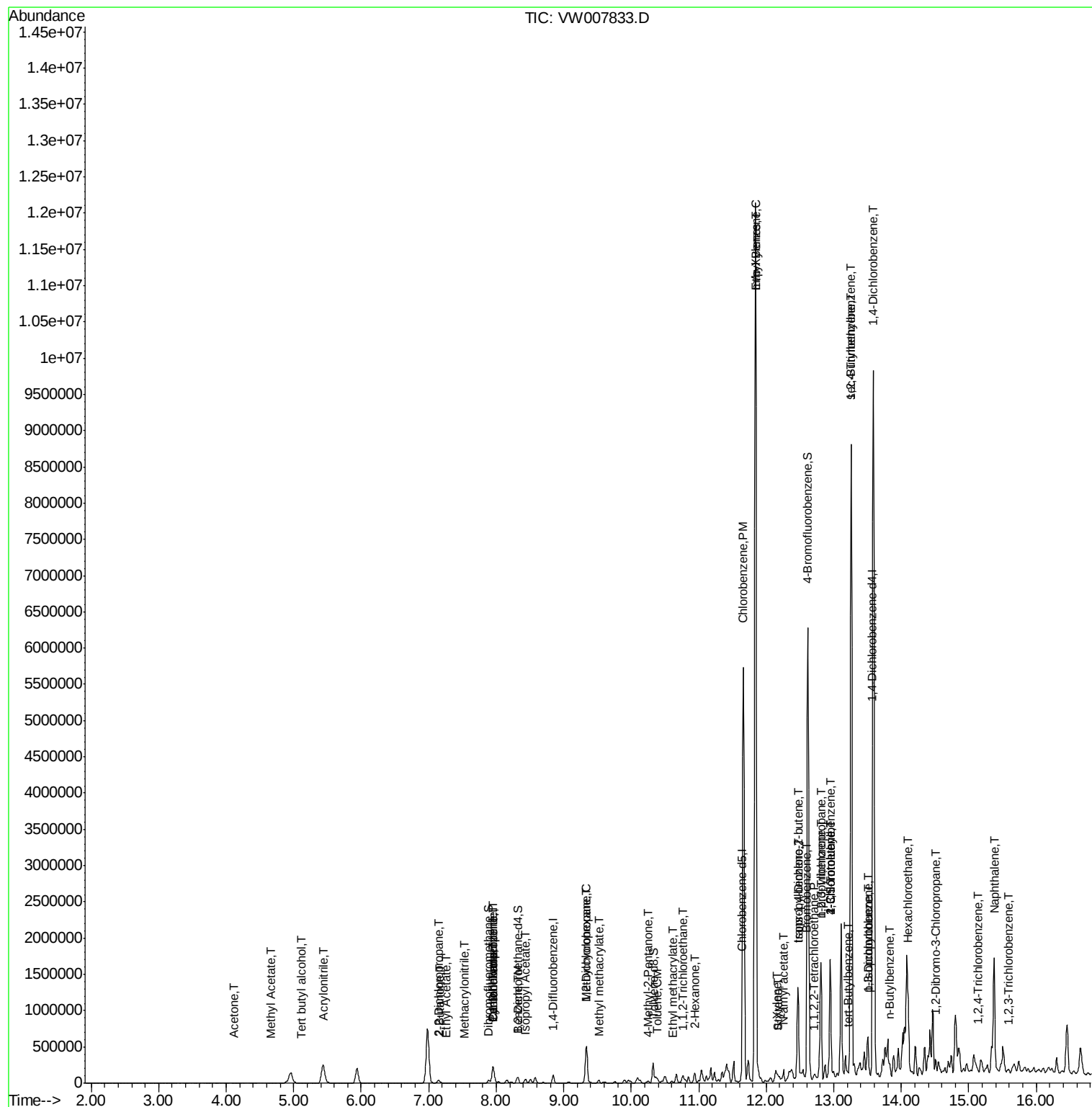
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.95	105	833477	1124.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.47	75	10360	247.435	ug/l #	66
82) 4-Chlorotoluene	12.94	91	90242	145.409	ug/l #	44
83) tert-Butylbenzene	13.21	119	19983	30.718	ug/l #	37
84) 1,2,4-Trimethylbenzene	13.26	105	5074901	6783.607	ug/l	98
85) sec-Butylbenzene	13.26	105	5074901	5660.575	ug/l #	56
86) p-Isopropyltoluene	13.51	119	135536	166.255	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	102001	260.805	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	3209630	8204.236	ug/l	98
89) n-Butylbenzene	13.83	91	94196	126.020	ug/l #	74
90) Hexachloroethane	14.10	117	45617	318.726	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.51	75	574	21.689	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.14	180	1703	7.006	ug/l #	1
95) Naphthalene	15.38	128	1434823	3192.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	502	2.413	ug/l #	12

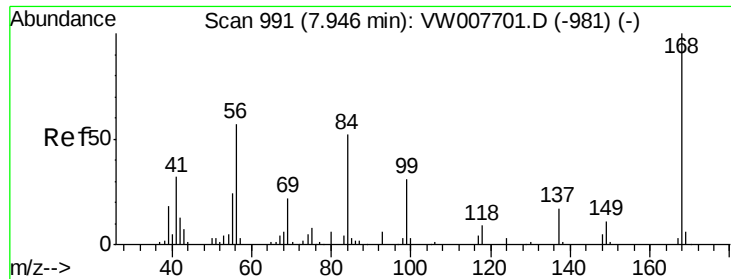
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

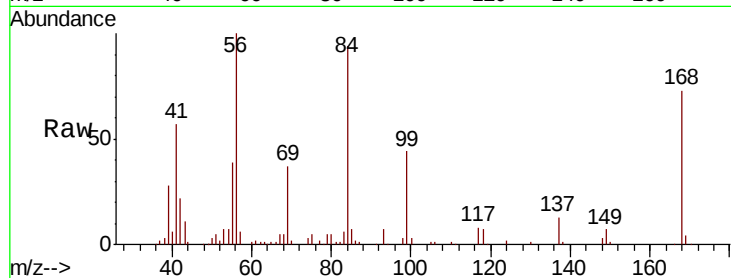
P001-SS013B-4248-01

Tgt Ion:168 Resp: 54040

Ion Ratio Lower Upper

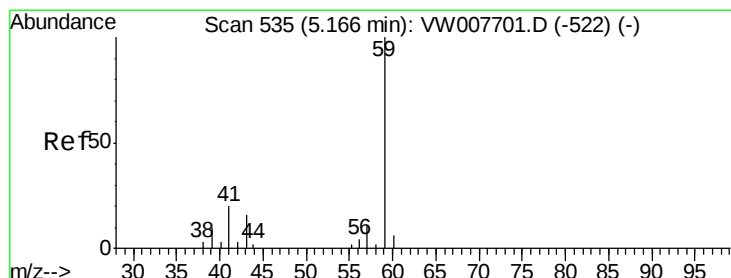
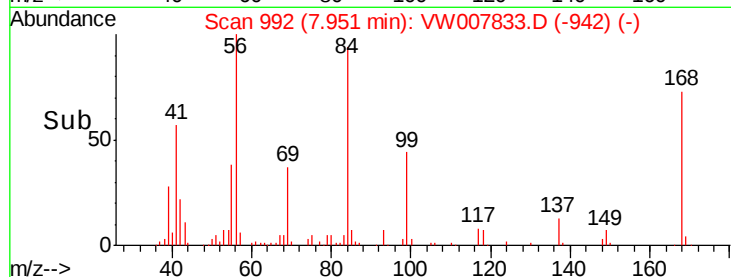
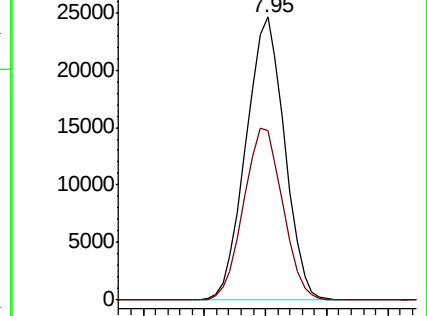
168 100

99 59.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 30.234 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW007833.D

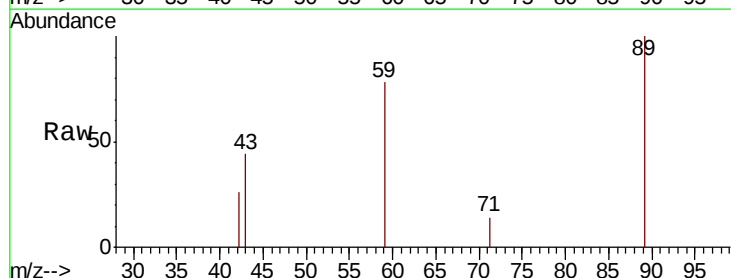
Acq: 22 Dec 2018 10:32

Tgt Ion: 59 Resp: 1208

Ion Ratio Lower Upper

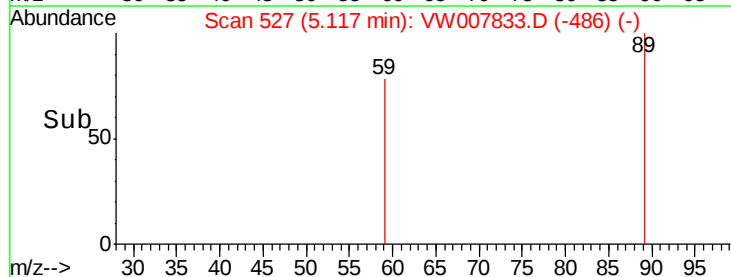
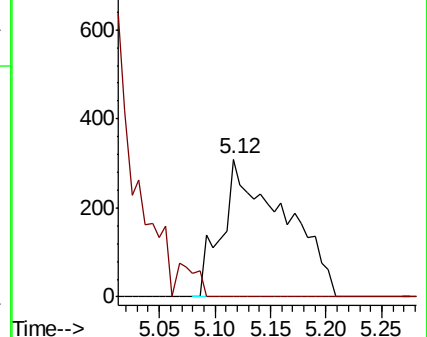
59 100

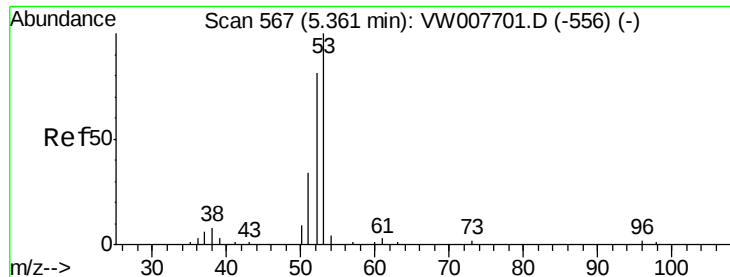
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#15

Acrylonitrile

Concen: 104.056 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

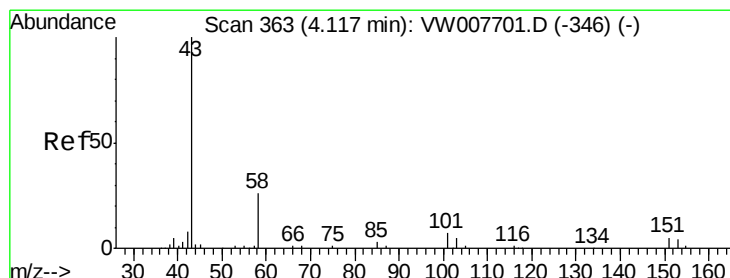
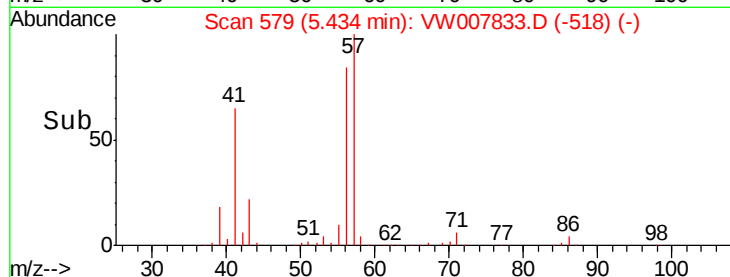
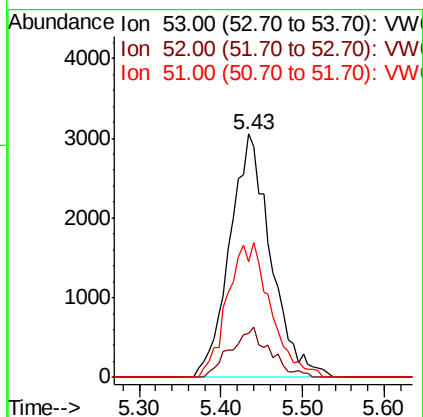
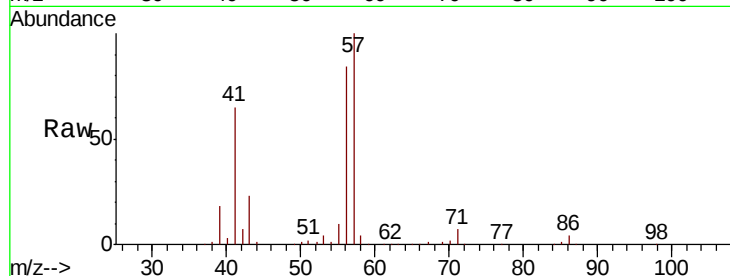
Tgt Ion: 53 Resp: 10629

Ion Ratio Lower Upper

53 100

52 19.7 67.0 100.4#

51 58.1 30.2 45.2#



#16

Acetone

Concen: 90.006 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007833.D

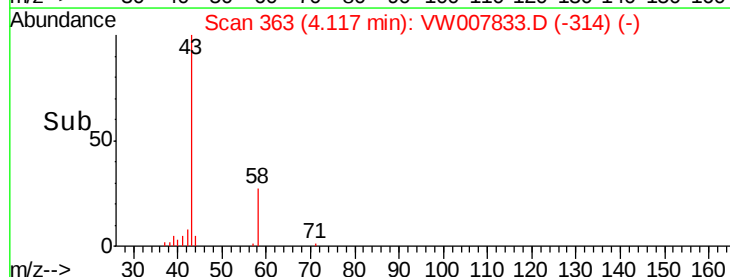
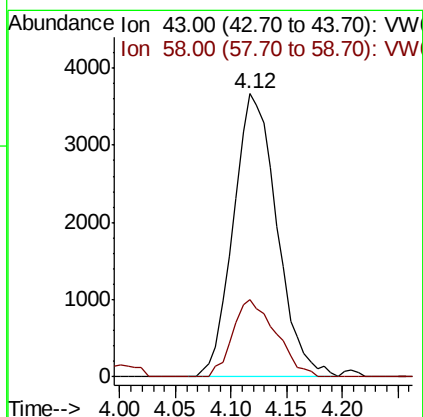
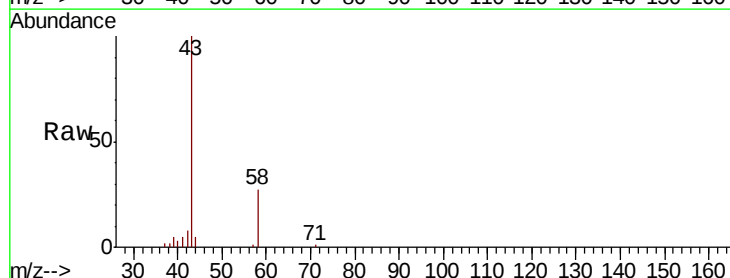
Acq: 22 Dec 2018 10:32

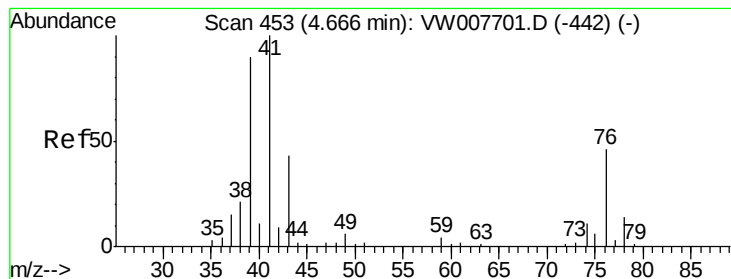
Tgt Ion: 43 Resp: 9983

Ion Ratio Lower Upper

43 100

58 27.3 21.2 31.8





#18

Methyl Acetate

Concen: 8.488 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

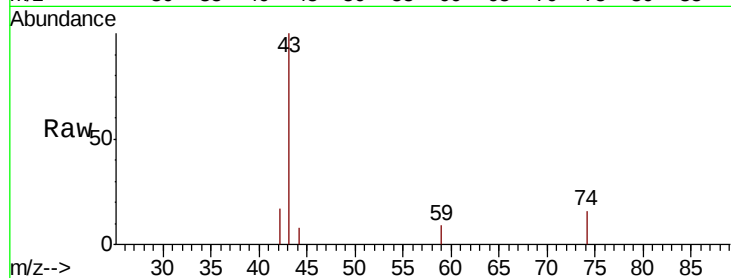
P001-SS013B-4248-01

Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

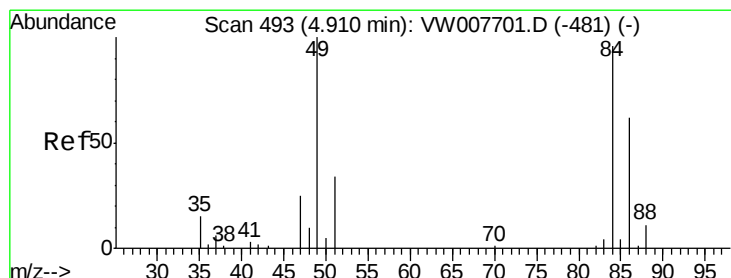
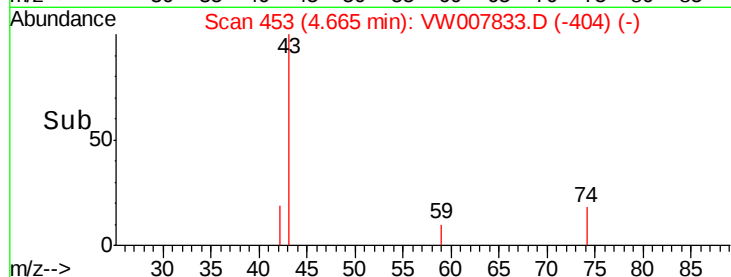
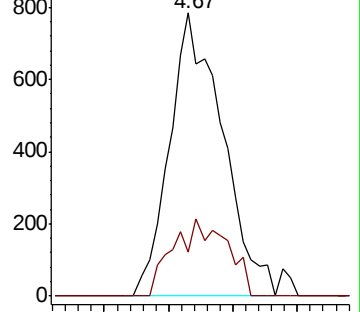
43 100

74 27.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Tgt Ion: 84 Resp: 2932

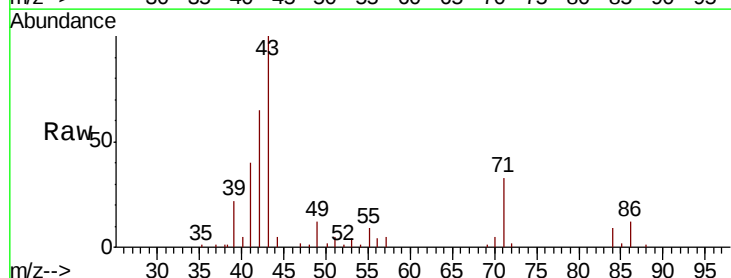
Ion Ratio Lower Upper

84 100

49 133.5 83.7 125.5#

51 46.4 28.2 42.2#

86 118.1 52.2 78.2#

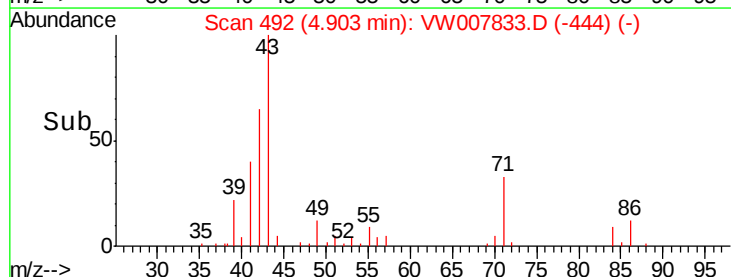
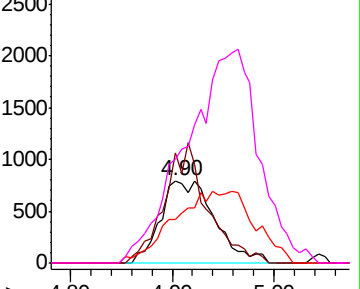


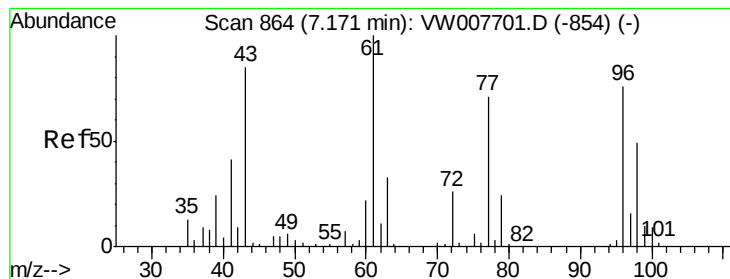
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 62.280 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

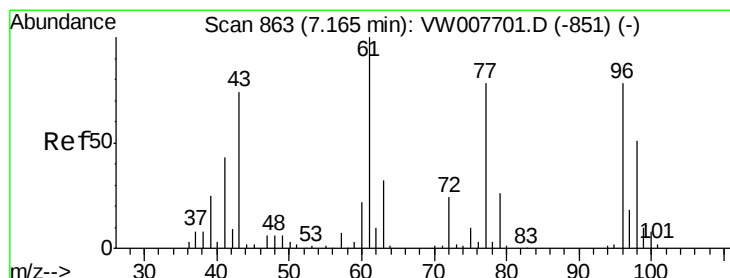
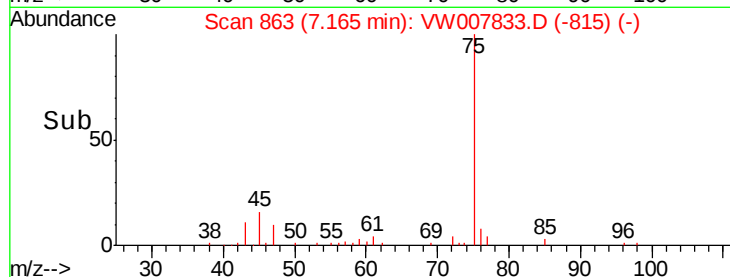
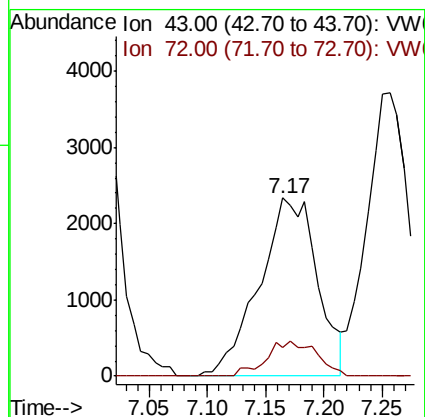
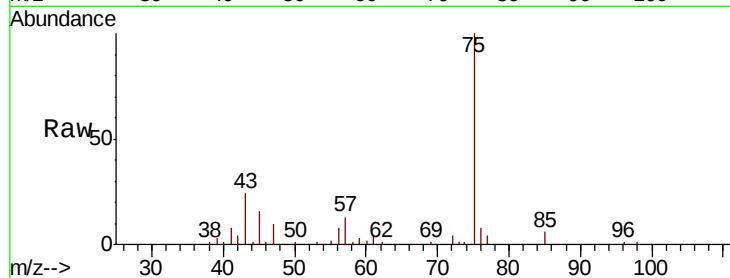
P001-SS013B-4248-01

Tgt Ion: 43 Resp: 8091

Ion Ratio Lower Upper

43 100

72 16.2 24.5 36.7#



#26

2,2-Dichloropropane

Concen: 3.136 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW007833.D

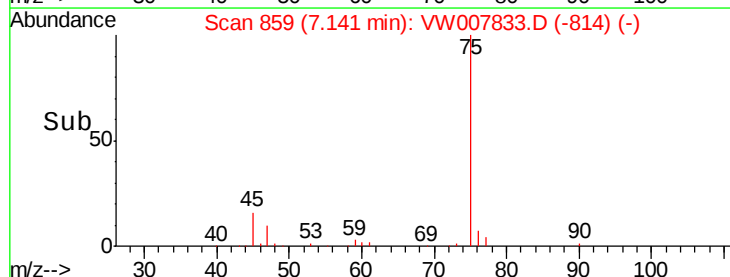
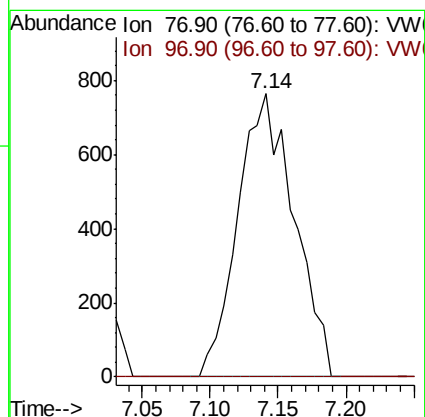
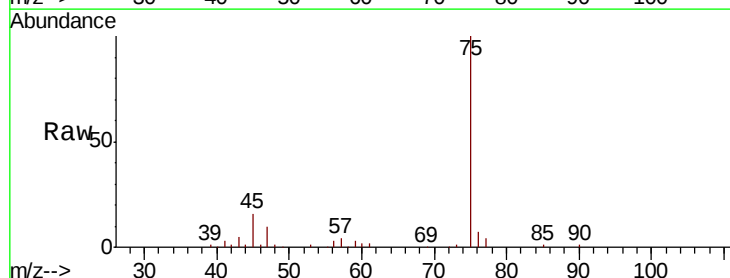
Acq: 22 Dec 2018 10:32

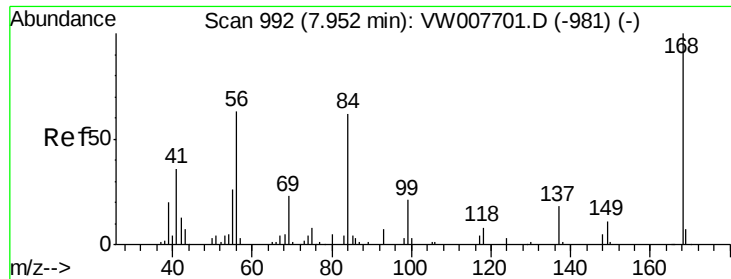
Tgt Ion: 77 Resp: 2210

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#

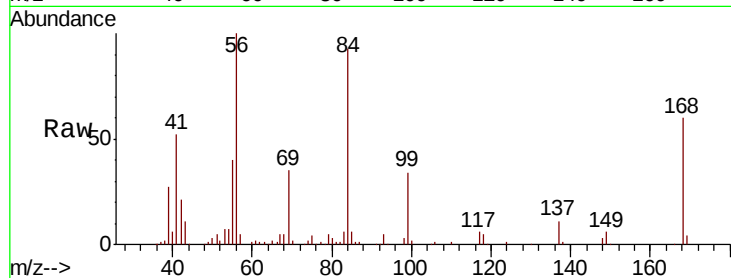




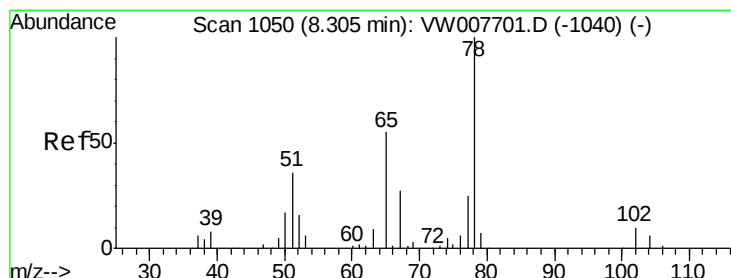
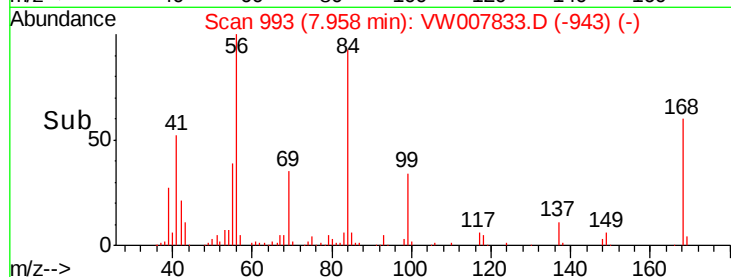
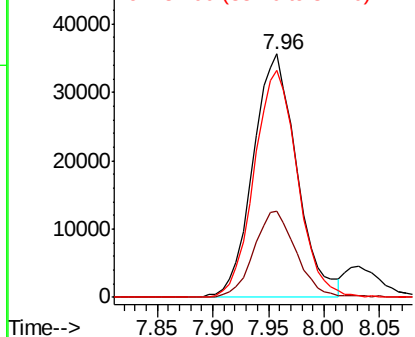
#31
Cyclohexane
Concen: 110.491 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tgt Ion: 56 Resp: 97421
Ion Ratio Lower Upper
56 100
69 35.4 29.7 44.5
84 93.5 78.9 118.3

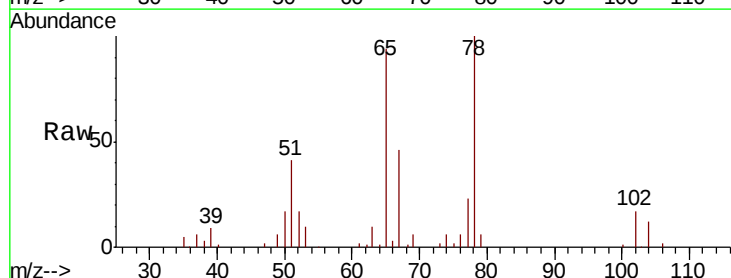


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

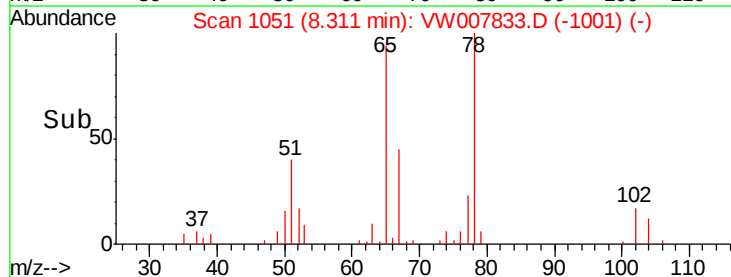
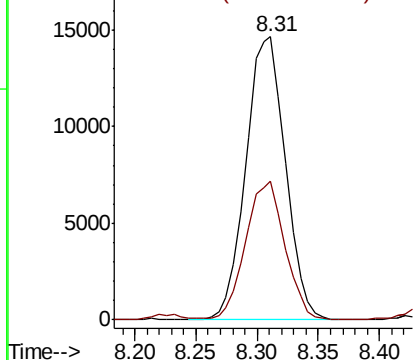


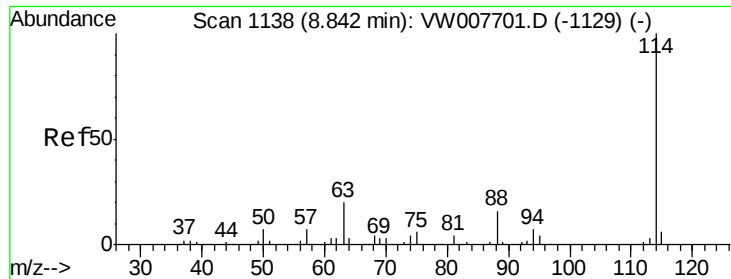
#33
1,2-Dichloroethane-d4
Concen: 55.465 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion: 65 Resp: 32852
Ion Ratio Lower Upper
65 100
67 48.9 0.0 100.6



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

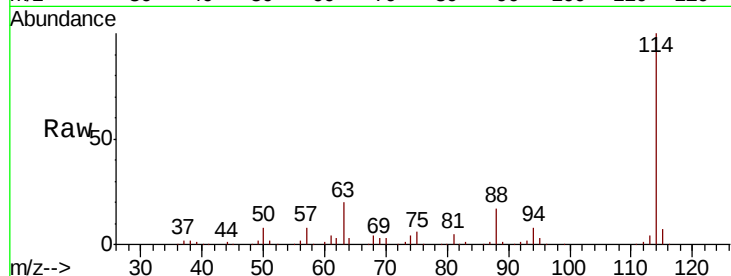




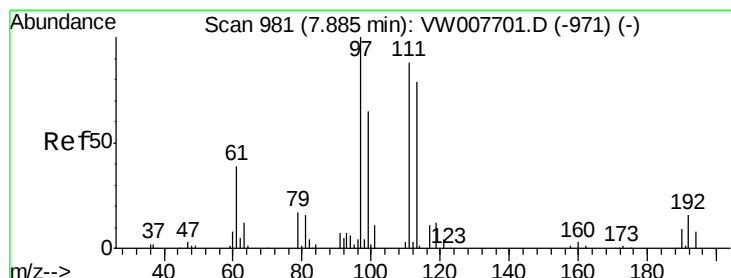
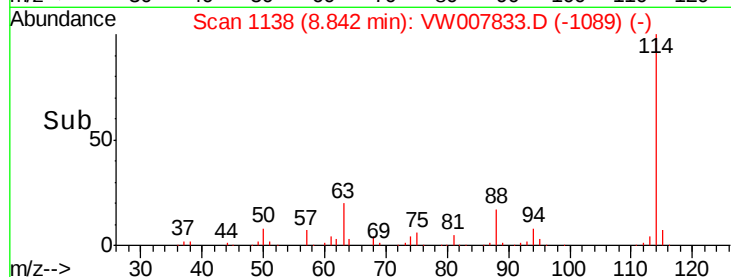
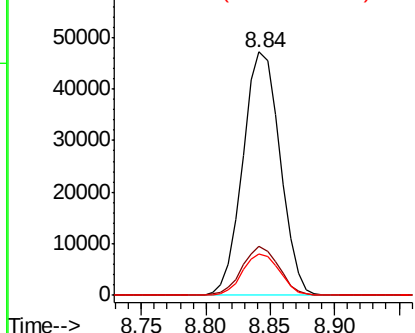
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

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 P001-SS013B-4248-01

Tgt Ion:114 Resp: 94660
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 17.1 0.0 32.6

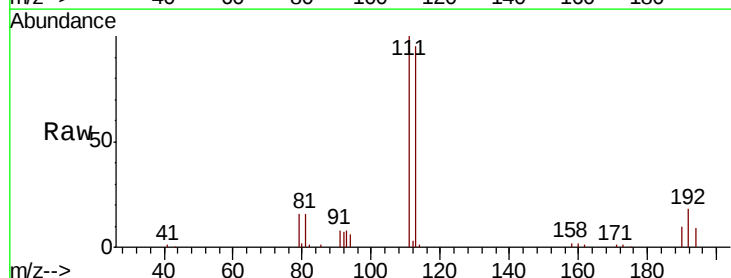


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

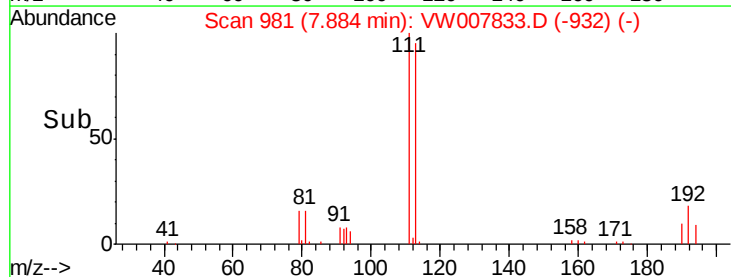
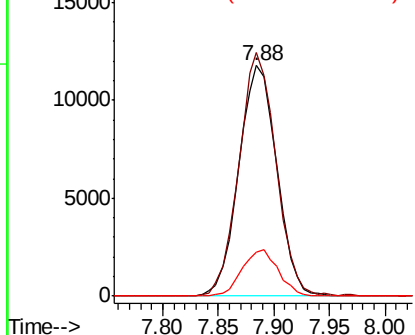


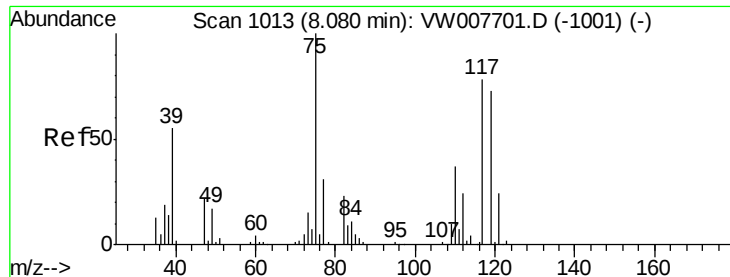
#35
 Dibromofluoromethane
 Concen: 48.404 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion:113 Resp: 27952
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.6 124.0
 192 19.1 15.5 23.3



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

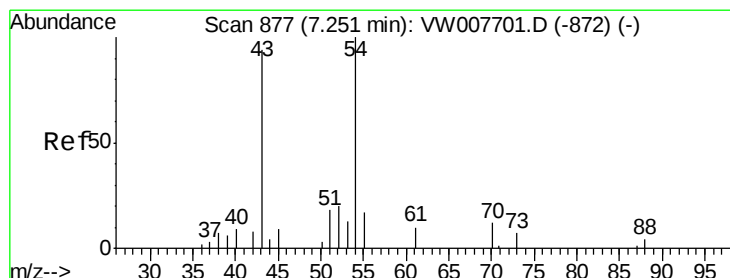
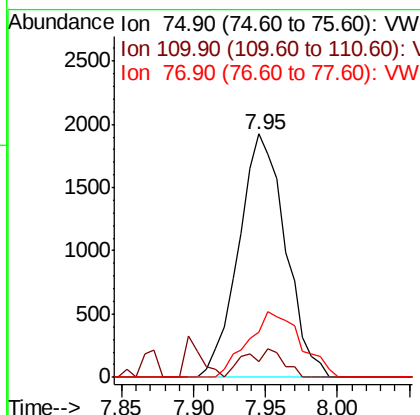
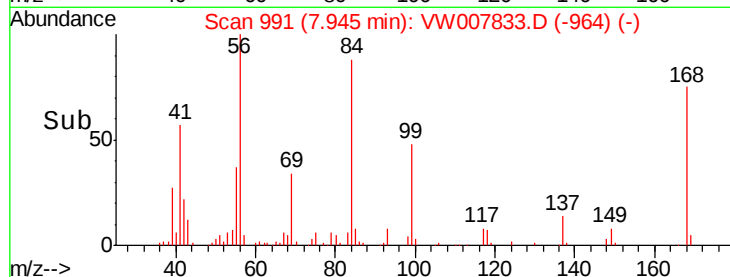
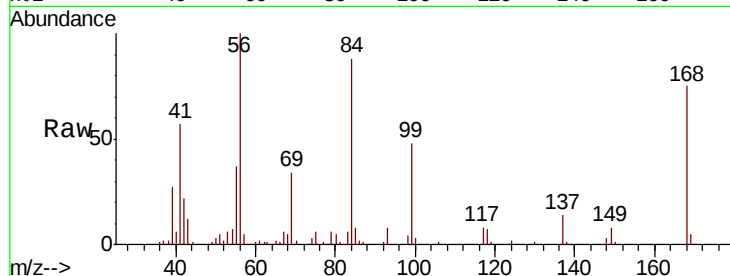




#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

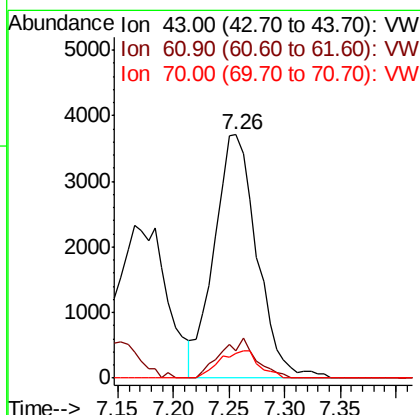
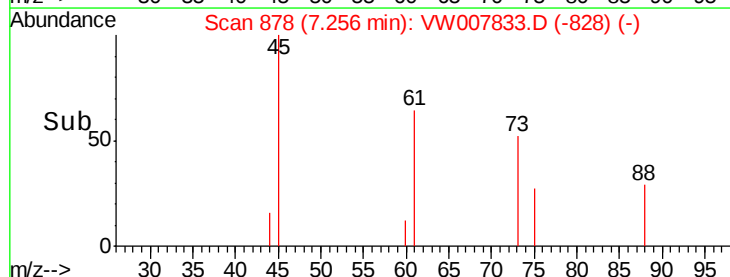
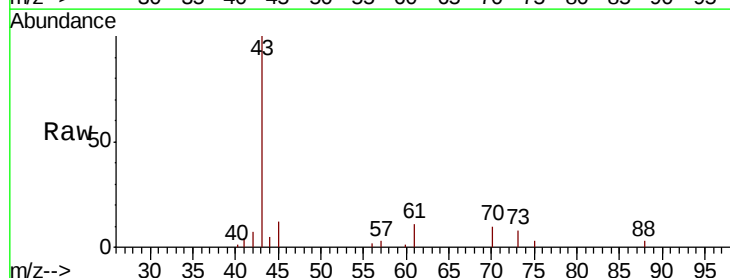
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

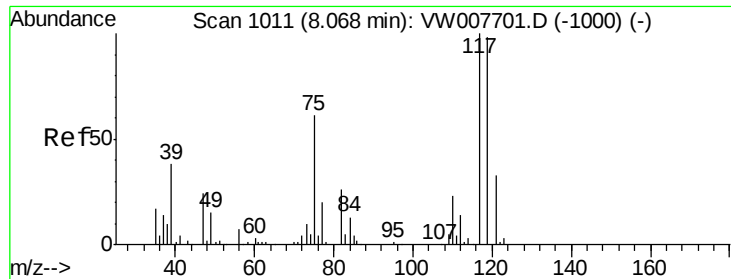
Tgt Ion: 75 Resp: 4337
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.6 55.8#
 77 30.4 25.0 37.4



#37
 Ethyl Acetate
 Concen: 31.445 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 43 Resp: 9915
 Ion Ratio Lower Upper
 43 100
 61 13.8 11.2 16.8
 70 10.4 9.3 13.9





#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

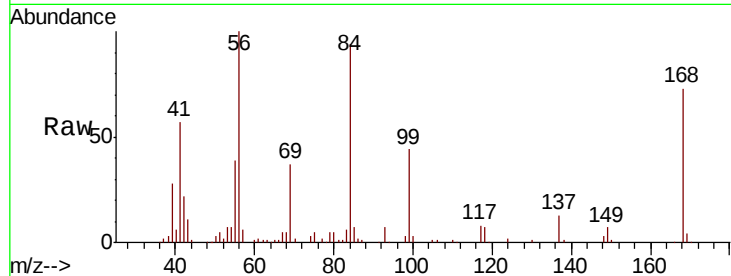
Tgt Ion:117 Resp: 5422

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

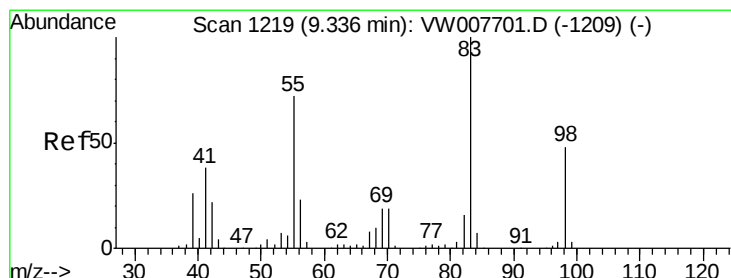
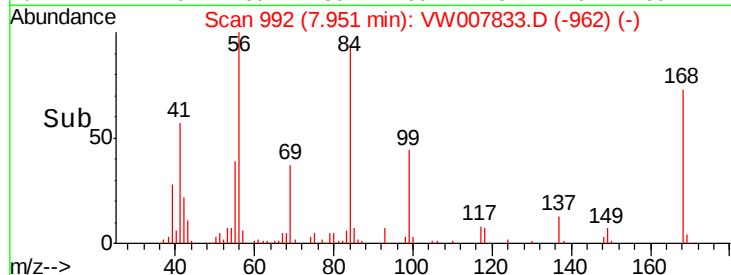
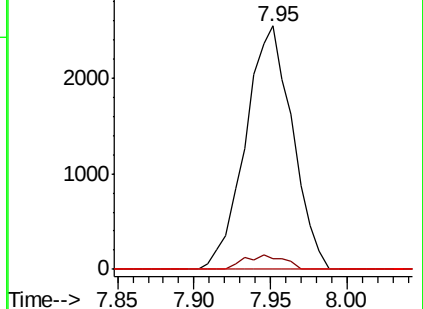
121 0.0 26.1 39.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 198.433 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

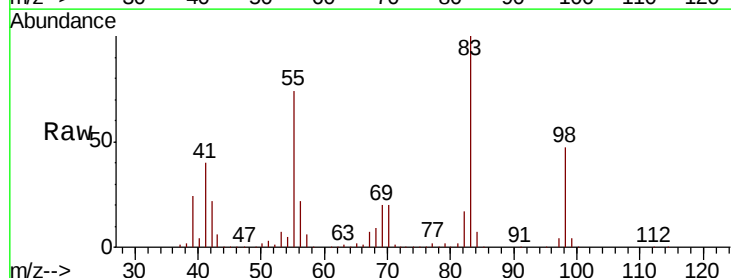
Tgt Ion: 83 Resp: 225280

Ion Ratio Lower Upper

83 100

55 74.2 57.2 85.8

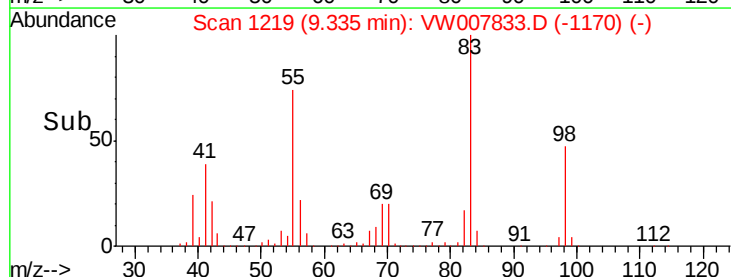
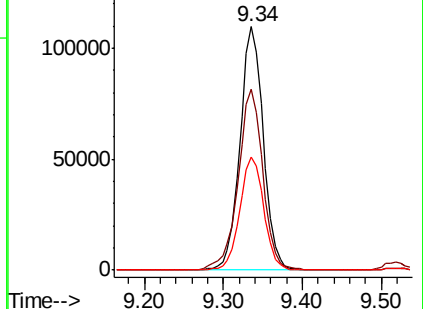
98 46.7 38.6 58.0

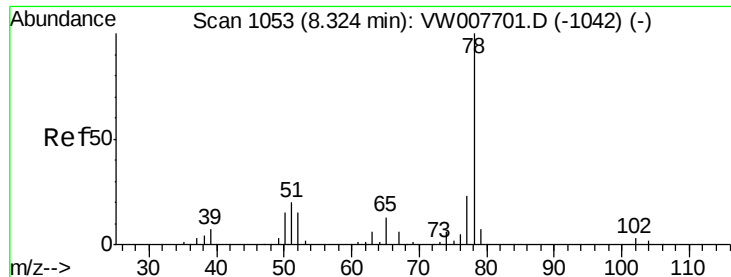


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 21.469 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

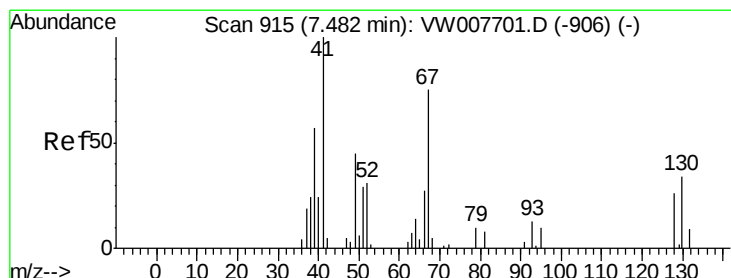
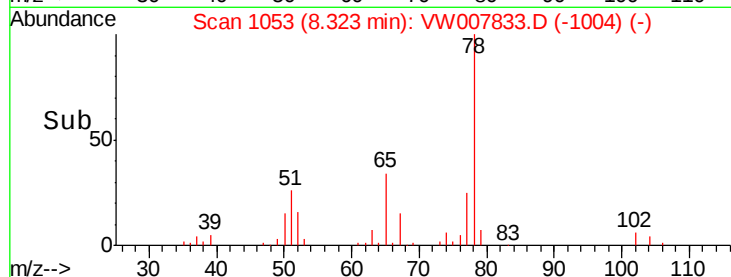
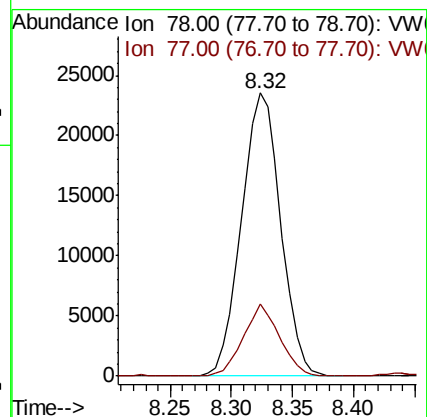
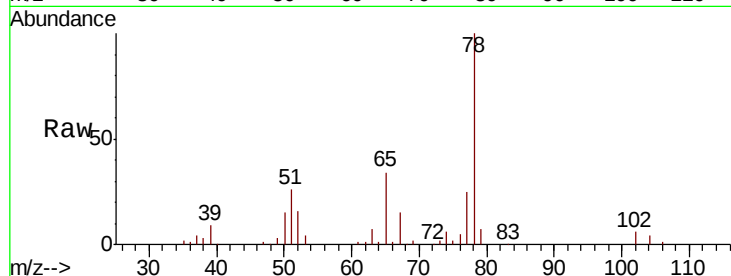
P001-SS013B-4248-01

Tgt Ion: 78 Resp: 52343

Ion Ratio Lower Upper

78 100

77 25.3 18.7 28.1



#41

Methacrylonitrile

Concen: 1.005 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Tgt Ion: 41 Resp: 180

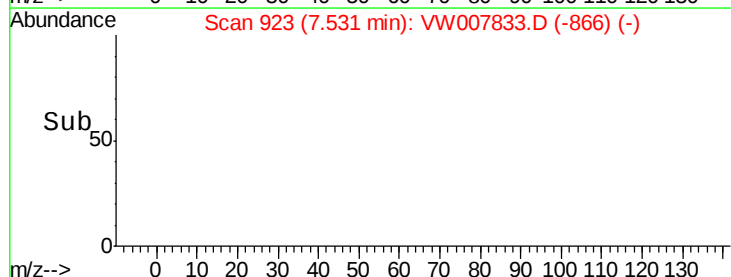
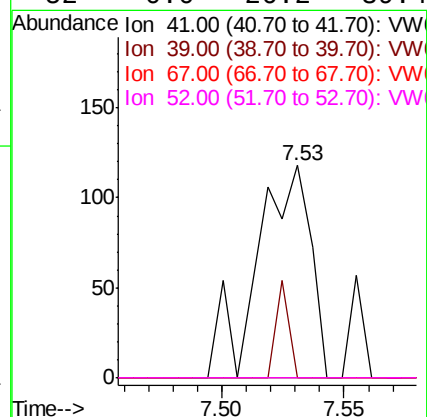
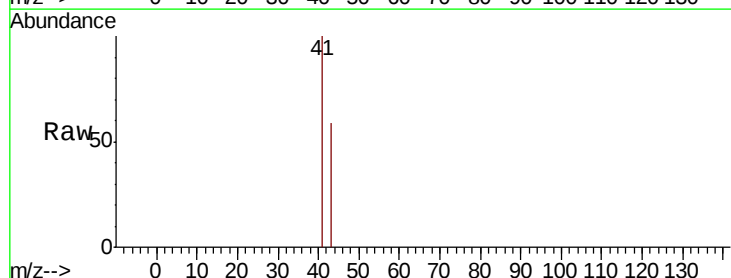
Ion Ratio Lower Upper

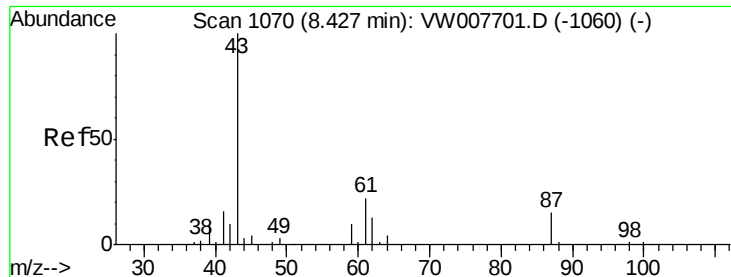
41 100

39 11.1 54.2 81.4#

67 0.0 65.7 98.5#

52 0.0 26.2 39.4#





#43

Isopropyl Acetate

Concen: 10.359 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

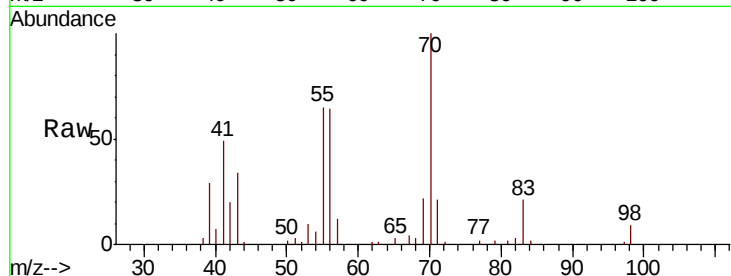
Tgt Ion: 43 Resp: 6544

Ion Ratio Lower Upper

43 100

61 0.0 26.3 39.5#

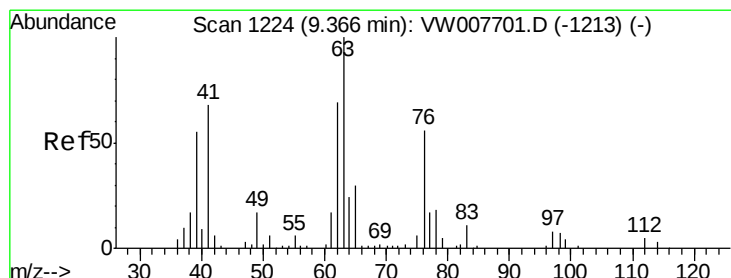
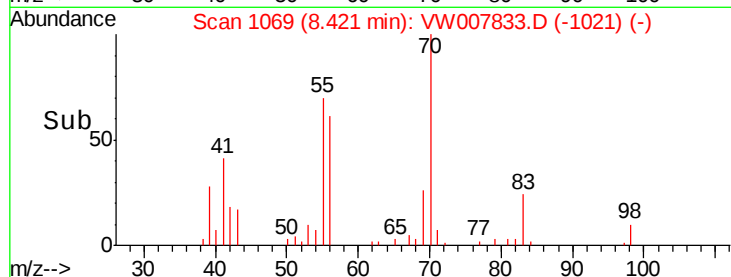
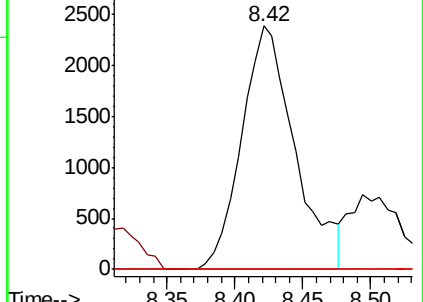
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#45

1,2-Dichloropropane

Concen: 4.448 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.03 min

Lab File: VW007833.D

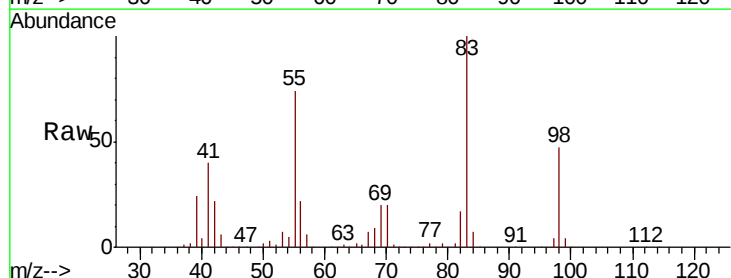
Acq: 22 Dec 2018 10:32

Tgt Ion: 63 Resp: 2406

Ion Ratio Lower Upper

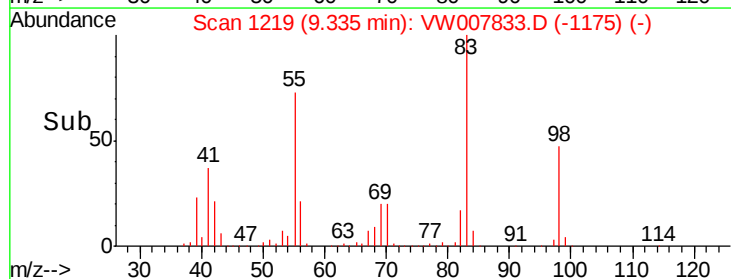
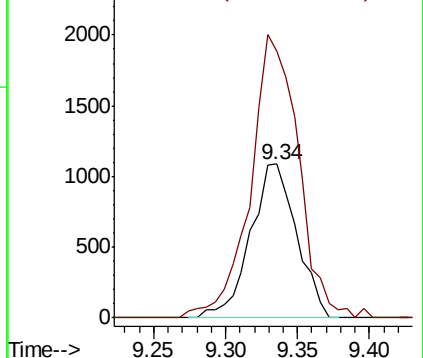
63 100

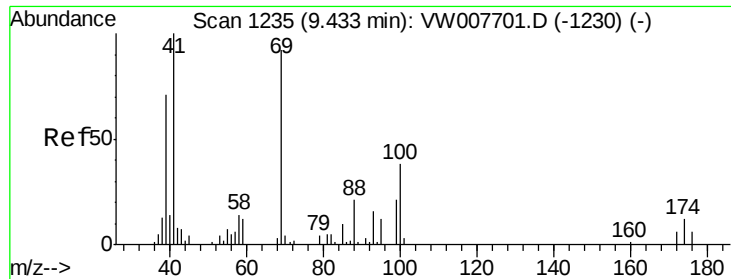
65 168.7 23.8 35.8#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

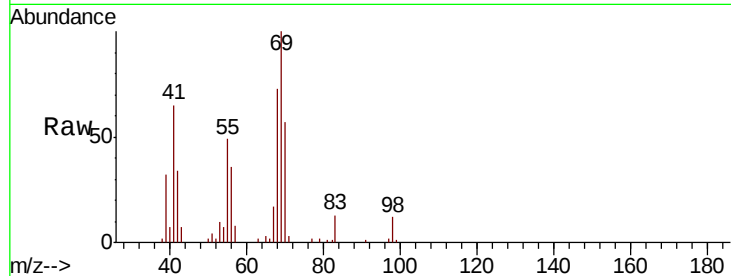




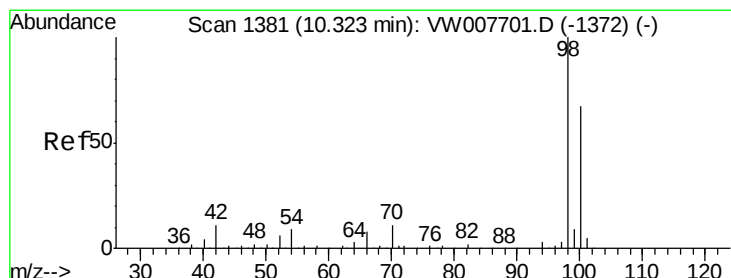
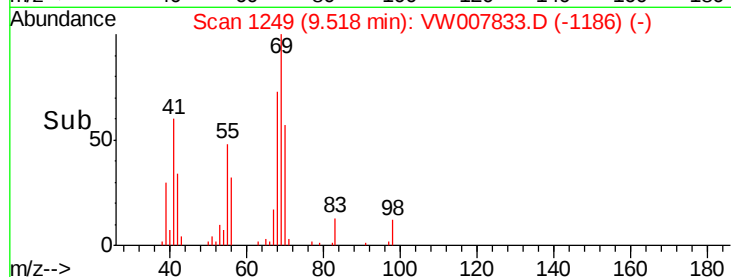
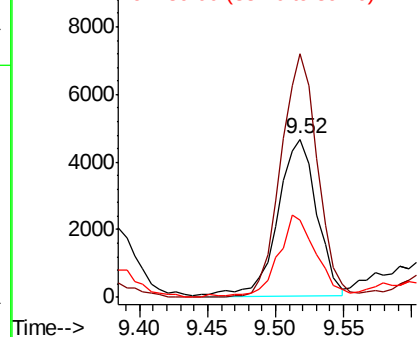
#48
Methyl methacrylate
Concen: 29.583 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.09 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

Tgt Ion: 41 Resp: 9328
Ion Ratio Lower Upper
41 100
69 145.7 74.2 111.2#
39 51.5 53.9 80.9#

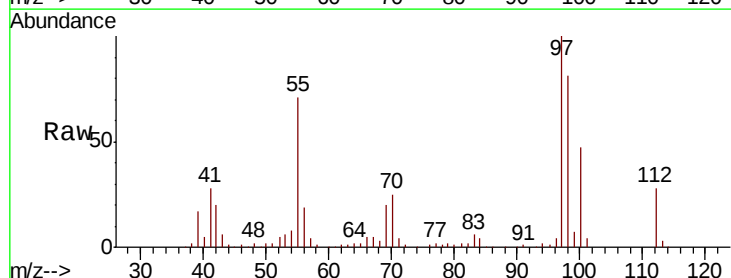


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

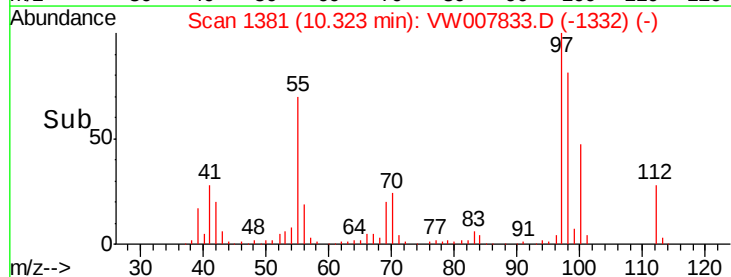
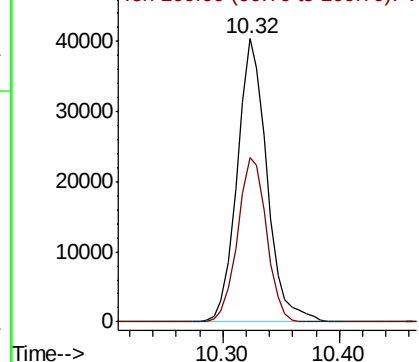


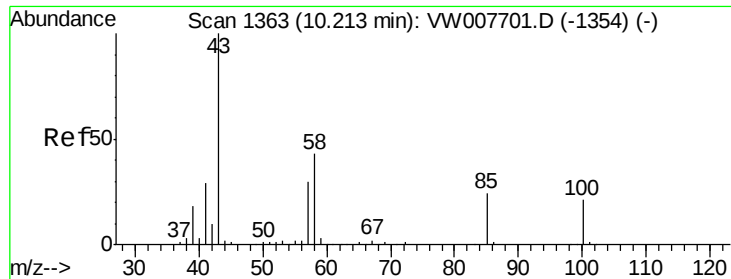
#50
Toluene-d8
Concen: 33.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion: 98 Resp: 72014
Ion Ratio Lower Upper
98 100
100 56.3 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

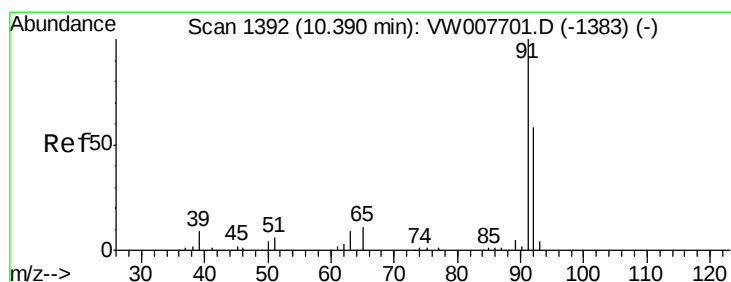
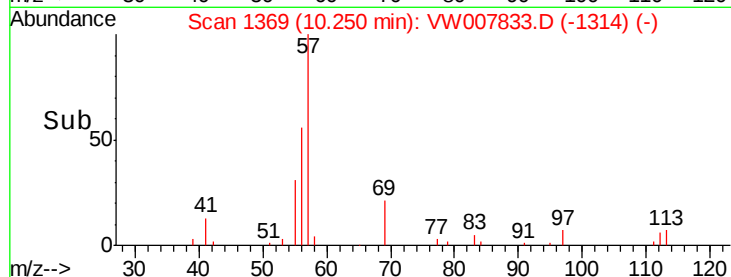
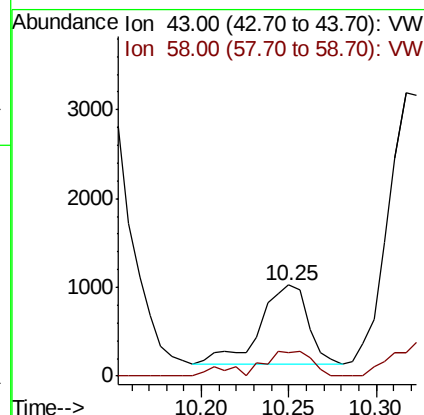
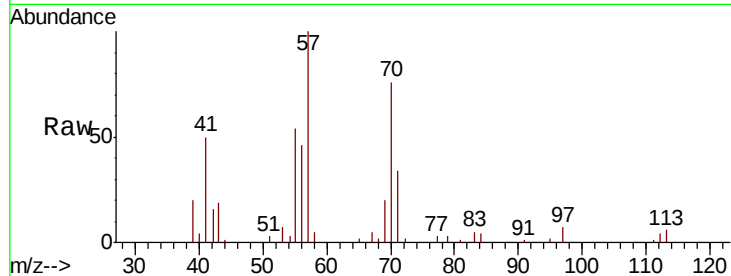




#51
 4-Methyl-2-Pentanone
 Concen: 5.828 ug/l
 RT: 10.25 min Scan# 1369
 Delta R.T. 0.04 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

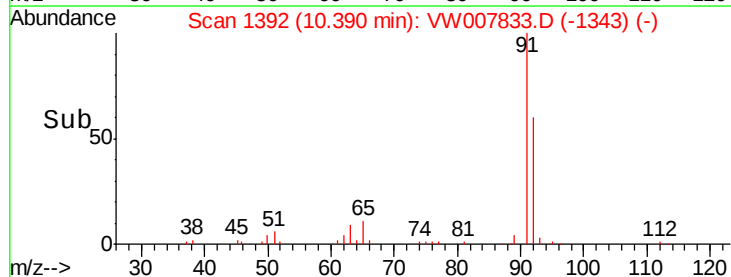
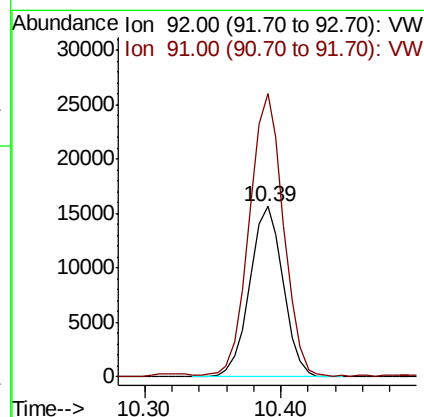
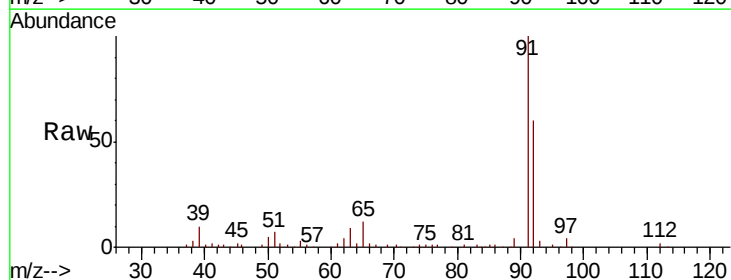
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

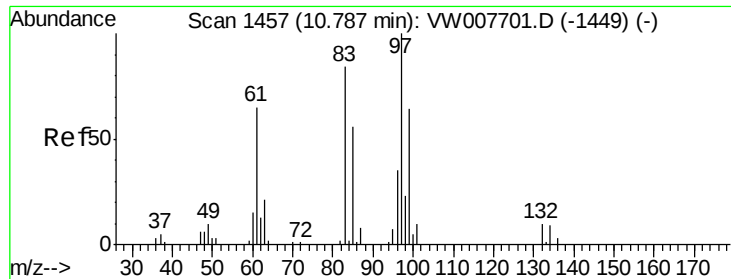
Tgt Ion: 43 Resp: 1740
 Ion Ratio Lower Upper
 43 100
 58 29.3 33.2 49.8#



#52
 Toluene
 Concen: 16.434 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 92 Resp: 26882
 Ion Ratio Lower Upper
 92 100
 91 169.2 137.0 205.4





#55

1,1,2-Trichloroethane

Concen: 88.725 ug/l

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tgt Ion: 97 Resp: 40732

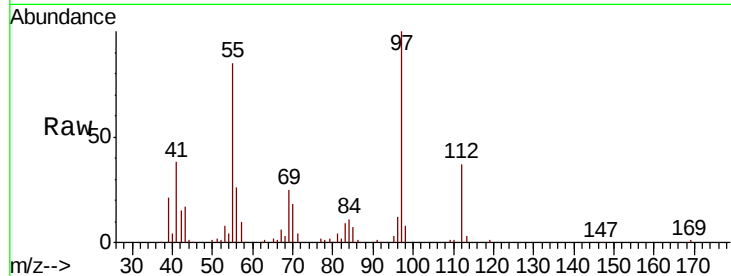
Ion Ratio Lower Upper

97 100

83 8.0 67.5 101.3#

85 6.6 44.8 67.2#

99 0.0 51.0 76.4#



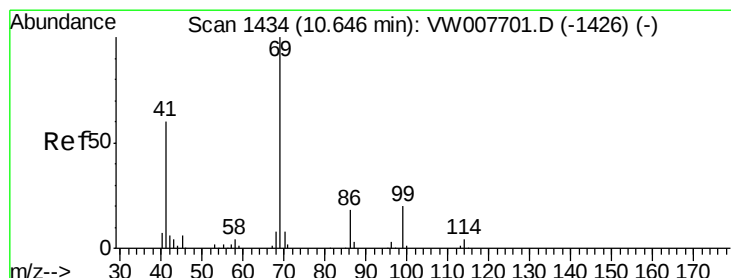
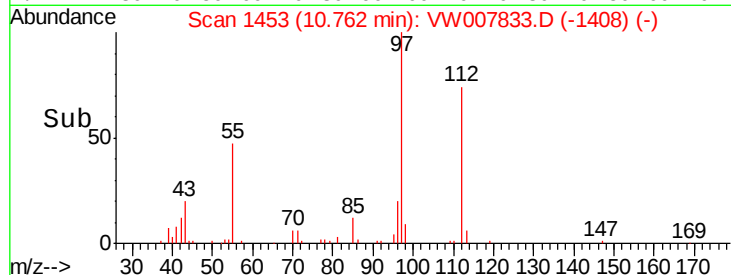
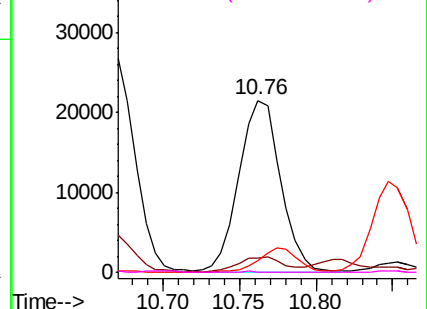
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 9.602 ug/l

RT: 10.63 min Scan# 1431

Delta R.T. -0.02 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

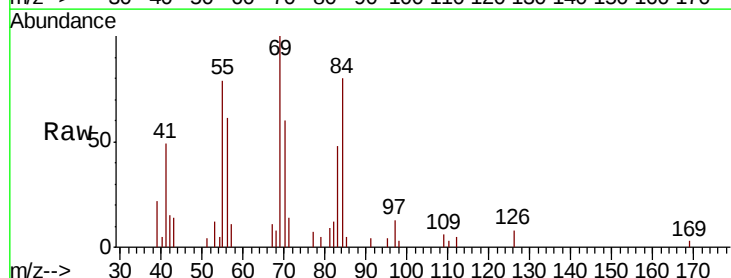
Tgt Ion: 69 Resp: 5208

Ion Ratio Lower Upper

69 100

41 0.0 48.9 73.3#

39 0.0 31.3 46.9#

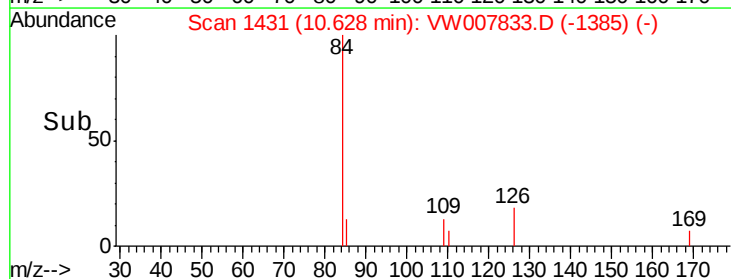
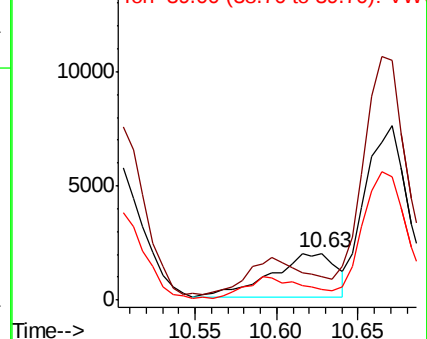


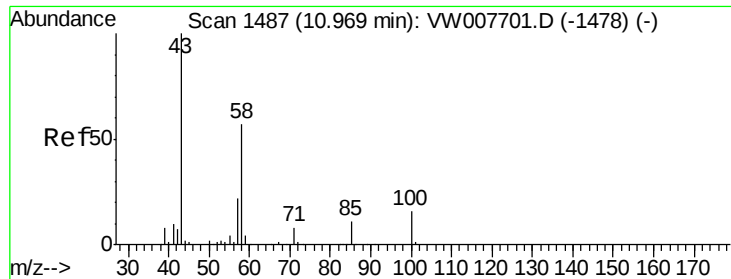
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#59

2-Hexanone

Concen: 232.329 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

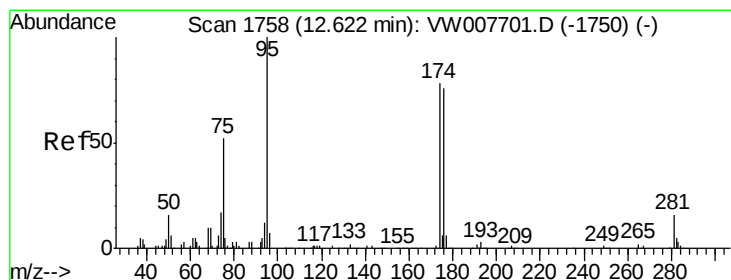
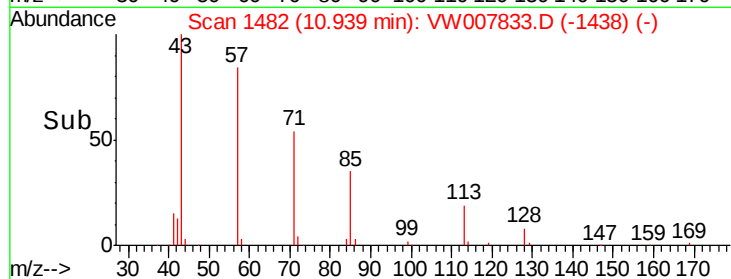
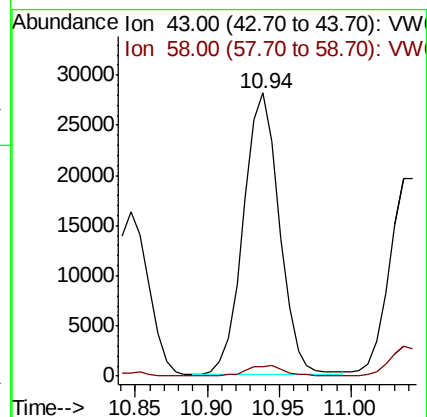
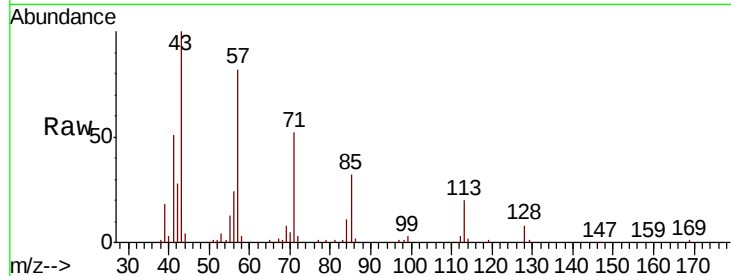
P001-SS013B-4248-01

Tgt Ion: 43 Resp: 48779

Ion Ratio Lower Upper

43 100

58 3.9 27.7 83.1#



#62

4-Bromofluorobenzene

Concen: 19.046 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

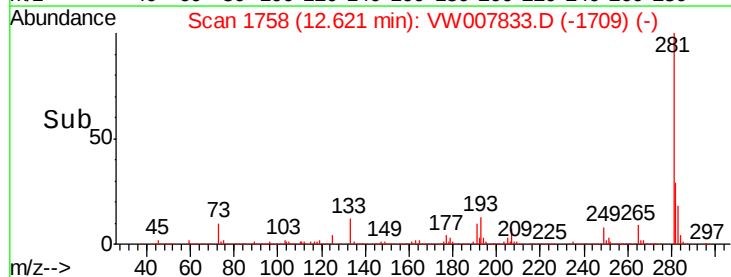
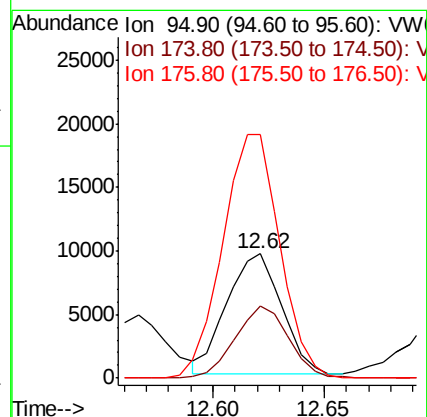
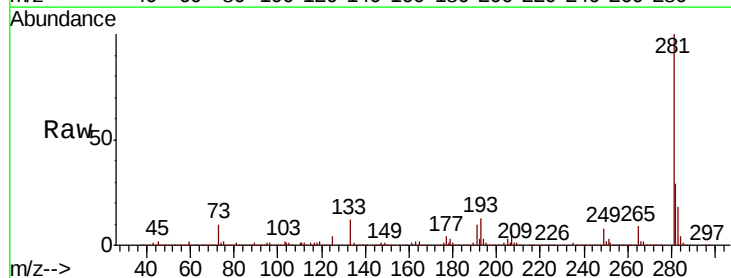
Tgt Ion: 95 Resp: 16018

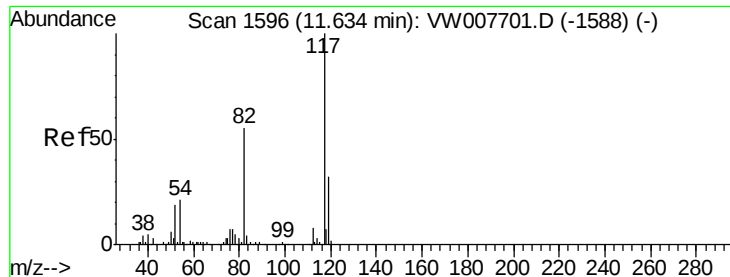
Ion Ratio Lower Upper

95 100

174 59.4 0.0 152.2

176 213.5 0.0 146.8#

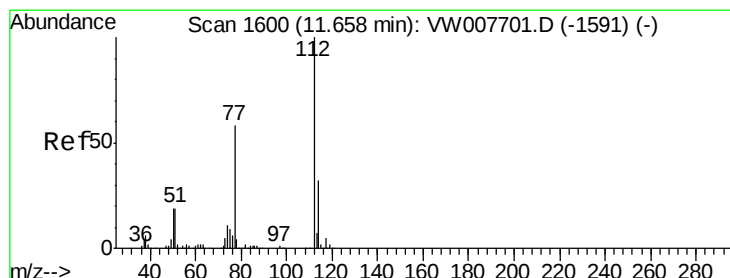
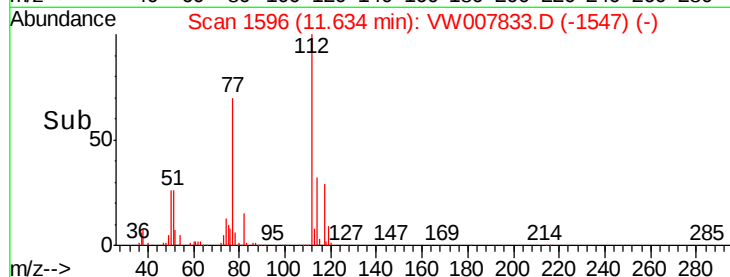
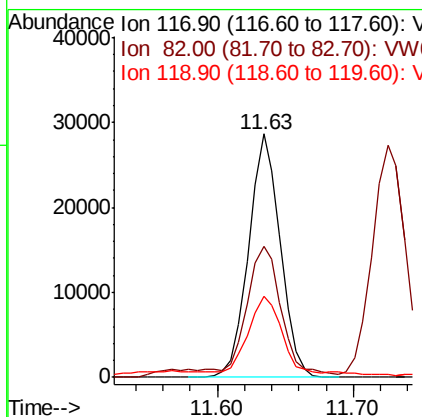
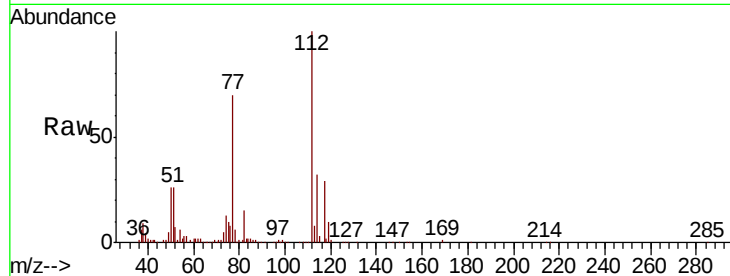




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

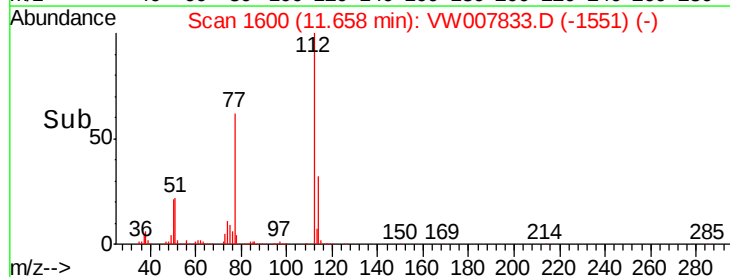
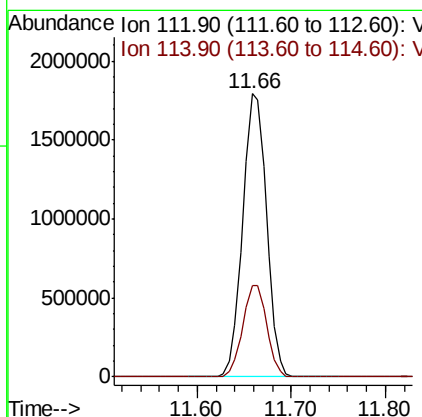
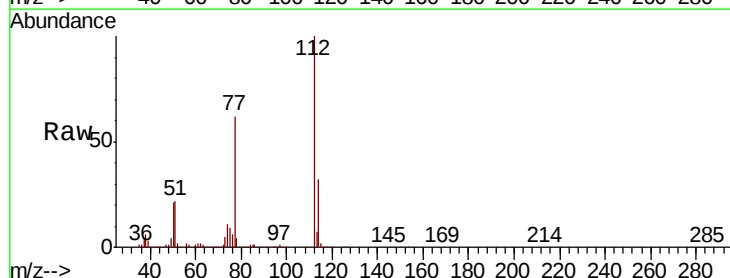
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

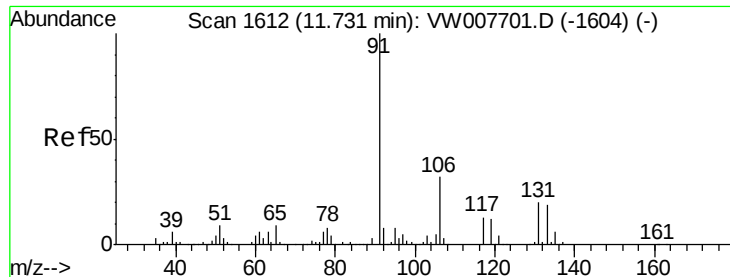
Tgt Ion:117 Resp: 46643
Ion Ratio Lower Upper
117 100
82 52.8 44.3 66.5
119 31.4 25.7 38.5



#65
Chlorobenzene
Concen: 3152.467 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:112 Resp: 3182583
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

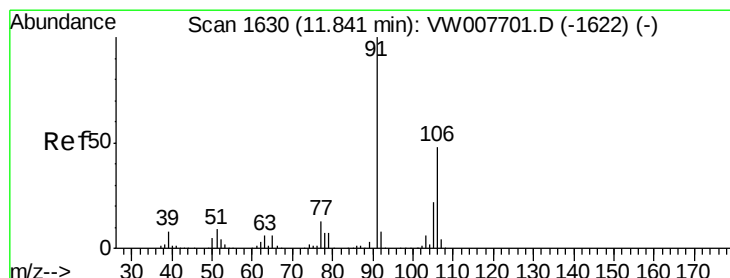
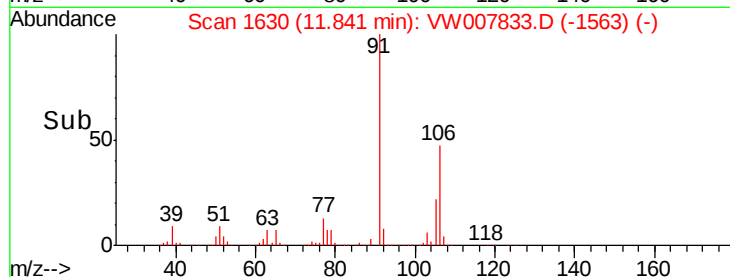
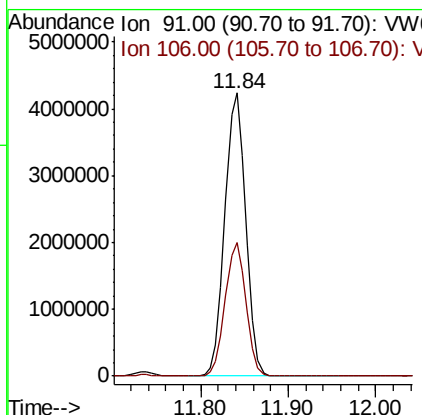
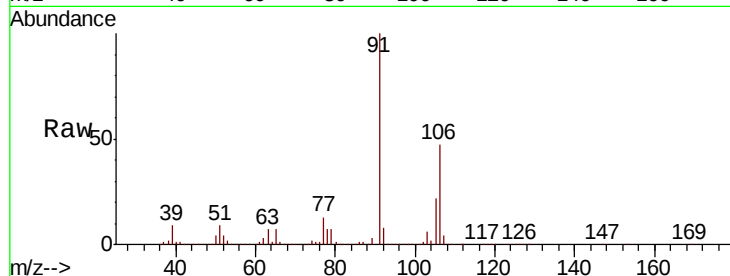




#67
Ethyl Benzene
Concen: 4047.142 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.11 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

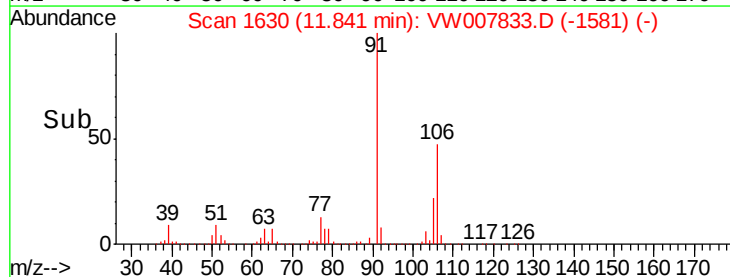
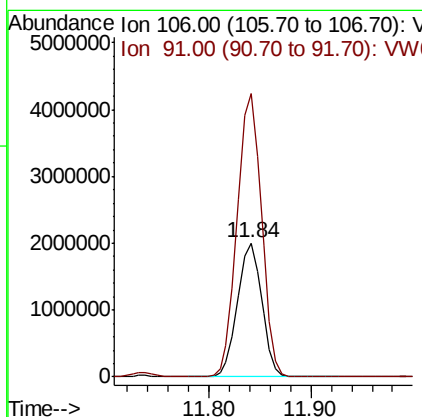
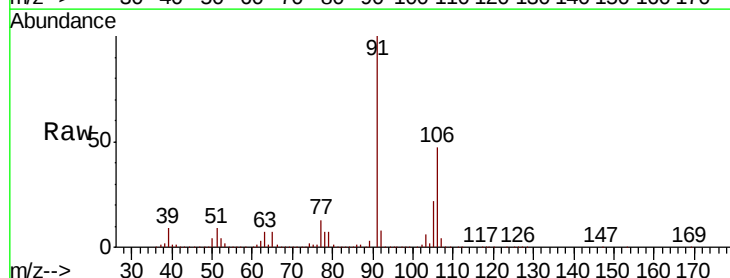
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

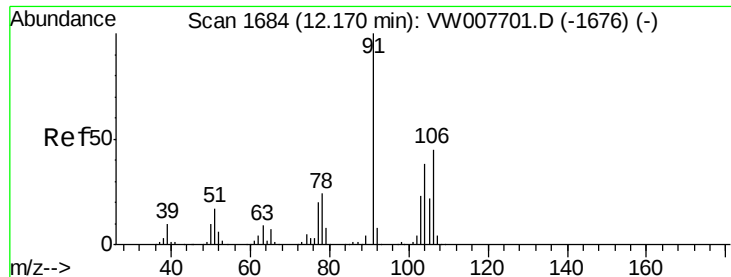
Tgt Ion: 91 Resp: 7011225
Ion Ratio Lower Upper
91 100
106 47.3 25.8 38.8#



#68
m/p-Xylenes
Concen: 4908.903 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion: 106 Resp: 3298877
Ion Ratio Lower Upper
106 100
91 212.5 165.2 247.8

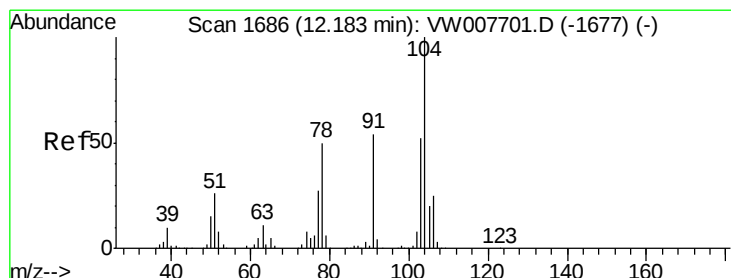
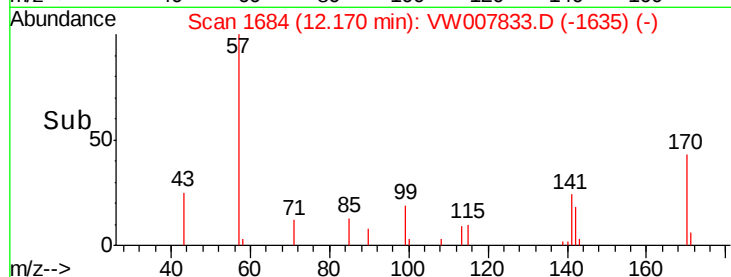
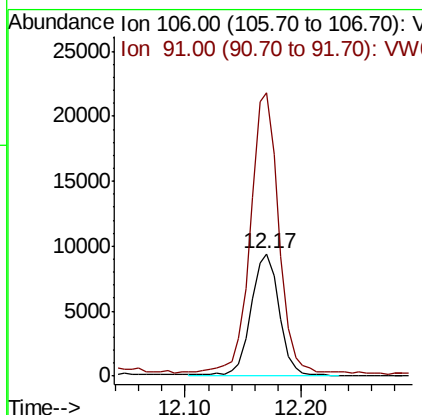
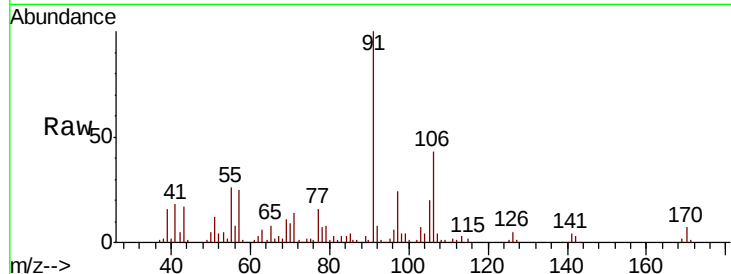




#69
o-Xylene
Concen: 25.650 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

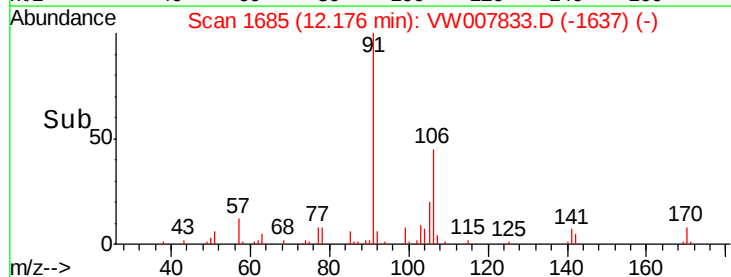
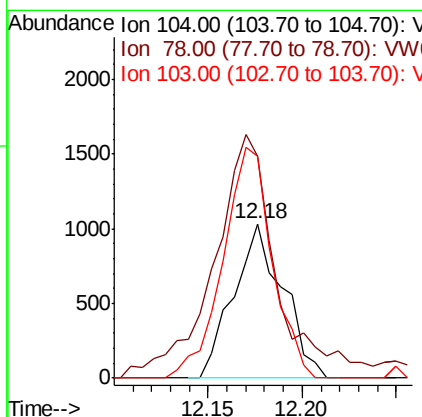
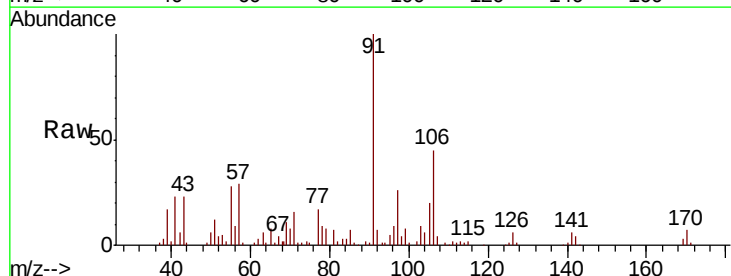
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

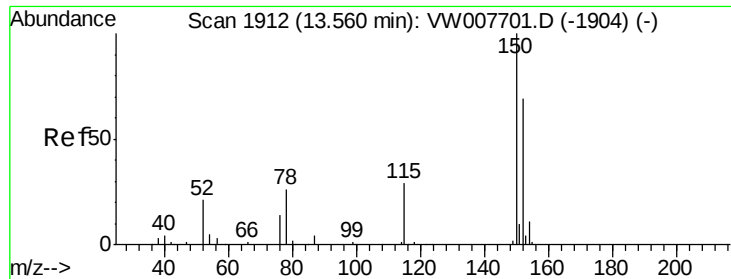
Tgt Ion:106 Resp: 16158
Ion Ratio Lower Upper
106 100
91 231.1 110.5 331.4



#70
Styrene
Concen: 1.809 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:104 Resp: 1873
Ion Ratio Lower Upper
104 100
78 202.5 43.4 65.0#
103 149.2 44.5 66.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

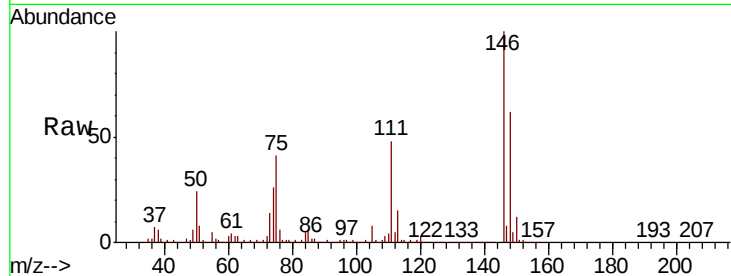
Tgt Ion:152 Resp: 11371

Ion Ratio Lower Upper

152 100

115 0.0 31.8 95.4#

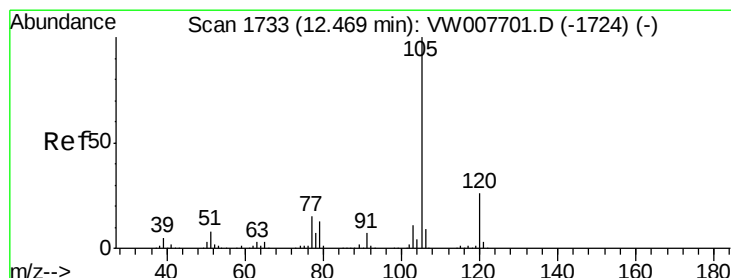
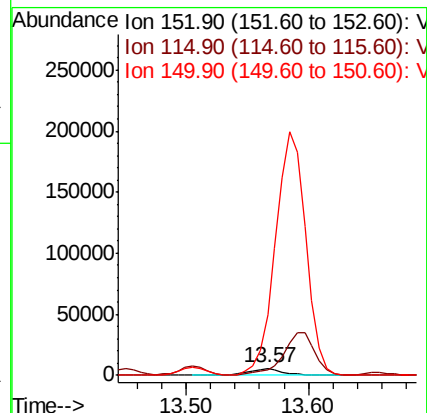
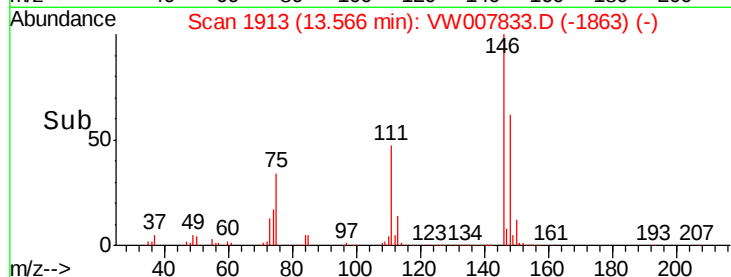
150 0.0 0.0 350.8



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: 977.126 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007833.D

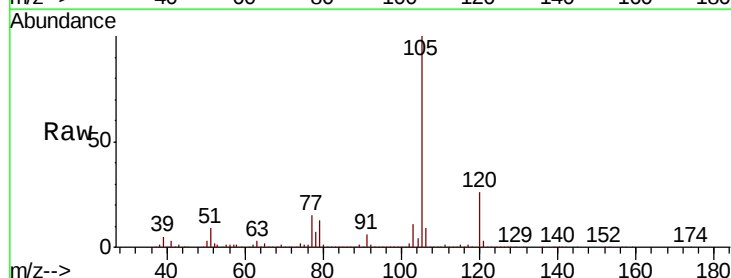
Acq: 22 Dec 2018 10:32

Tgt Ion:105 Resp: 839860

Ion Ratio Lower Upper

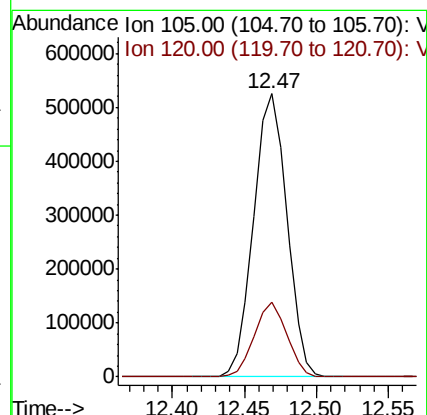
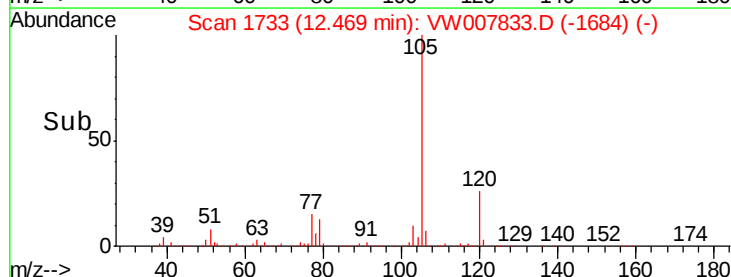
105 100

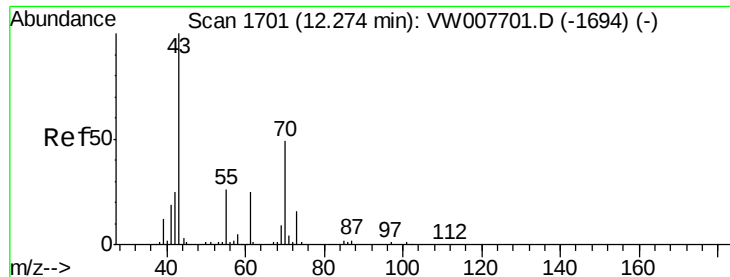
120 25.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 236.141 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-4248-01

Tgt Ion: 43 Resp: 35157

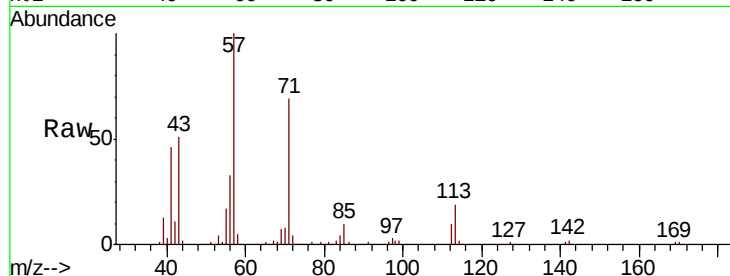
Ion Ratio Lower Upper

43 100

70 21.6 37.6 56.4#

55 0.0 21.7 32.5#

61 0.0 20.1 30.1#

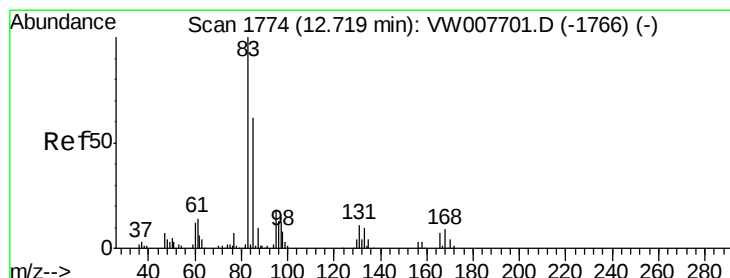
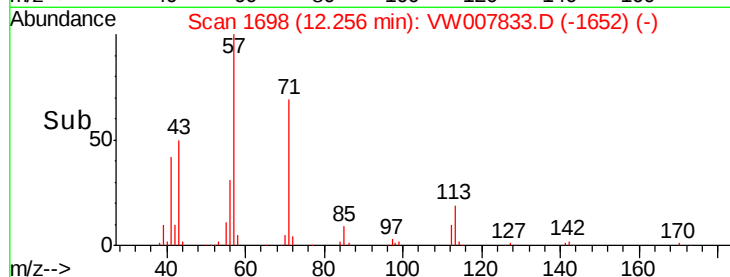
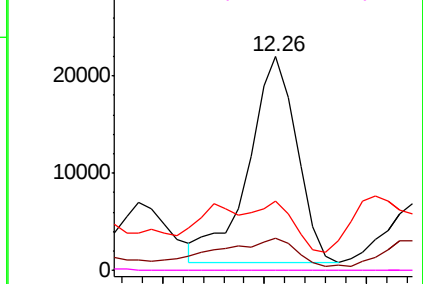


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 17.095 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

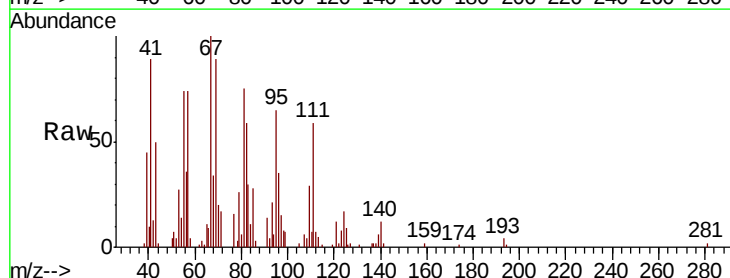
Tgt Ion: 83 Resp: 2203

Ion Ratio Lower Upper

83 100

131 0.0 6.3 18.8#

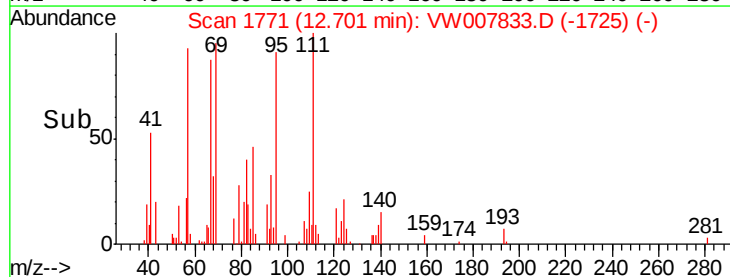
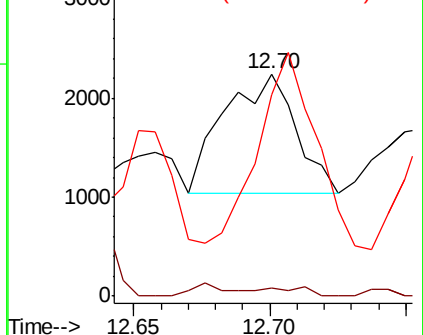
85 132.0 32.3 96.8#

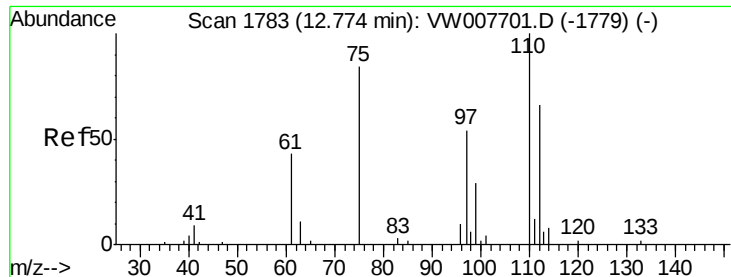


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

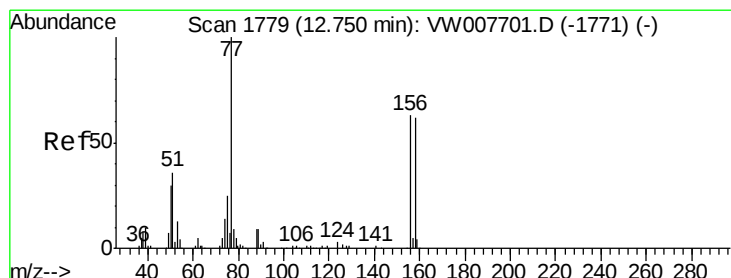
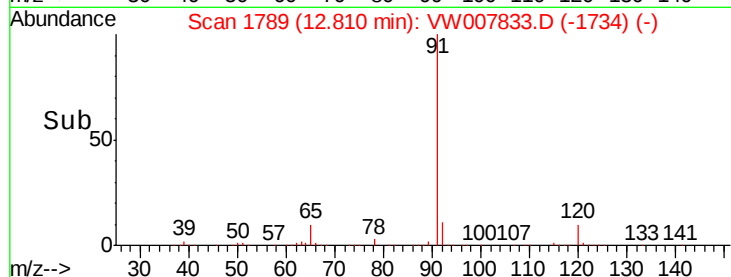
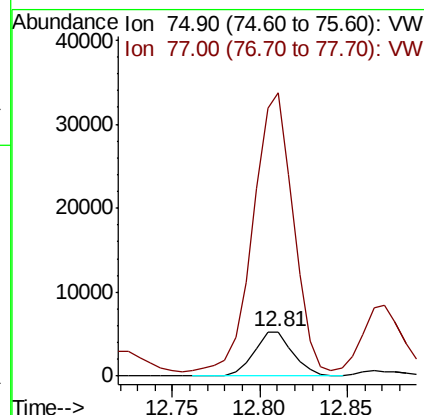
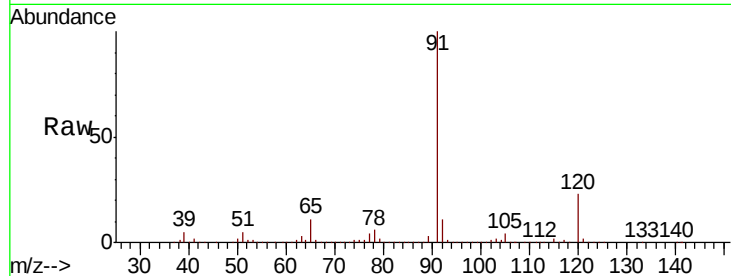




#76
 1,2,3-Trichloropropane
 Concen: 93.017 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. 0.04 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

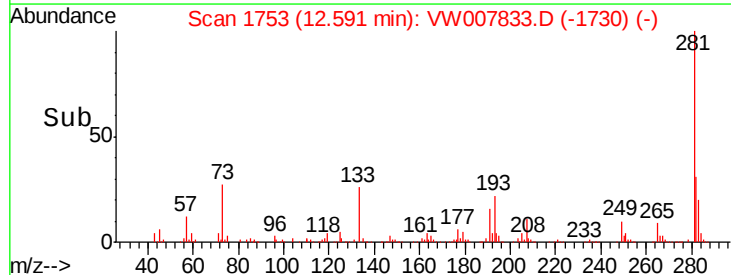
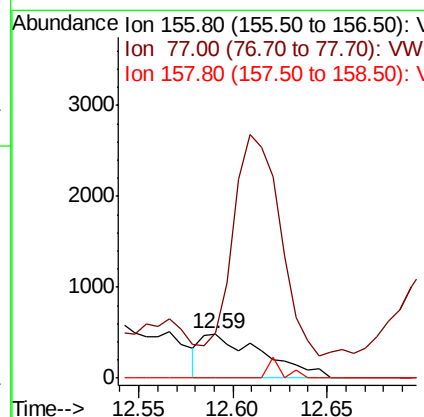
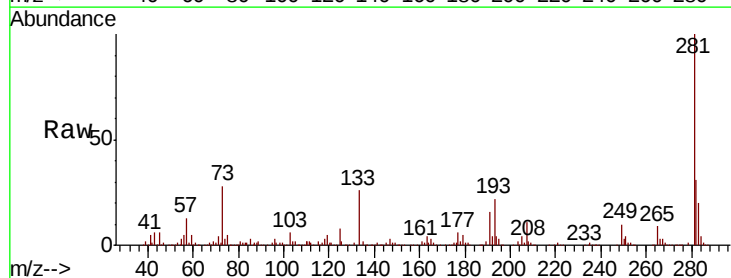
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

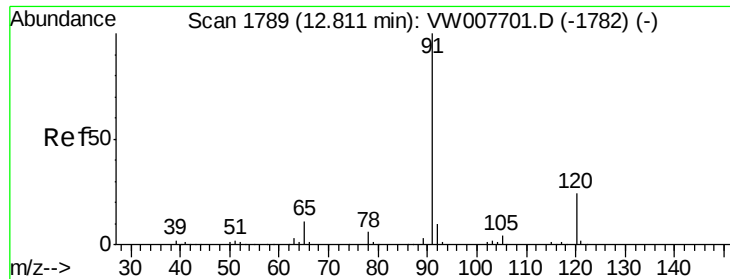
Tgt Ion: 75 Resp: 8175
 Ion Ratio Lower Upper
 75 100
 77 641.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 5.620 ug/l
 RT: 12.59 min Scan# 1753
 Delta R.T. -0.16 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 156 Resp: 1107
 Ion Ratio Lower Upper
 156 100
 77 0.0 87.4 262.1#
 158 0.0 48.4 145.0#





#78

n-propylbenzene

Concen: 1279.372 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

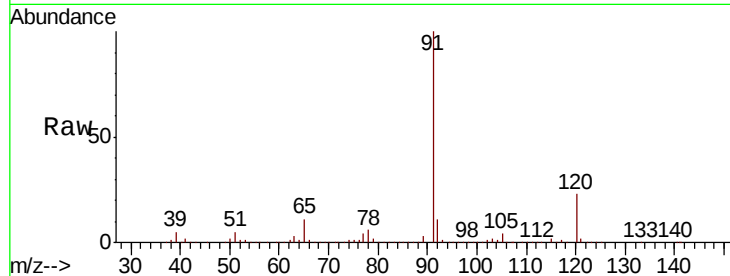
P001-SS013B-4248-01

Tgt Ion: 91 Resp: 1280060

Ion Ratio Lower Upper

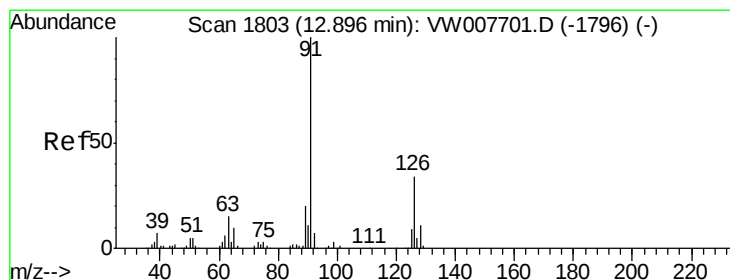
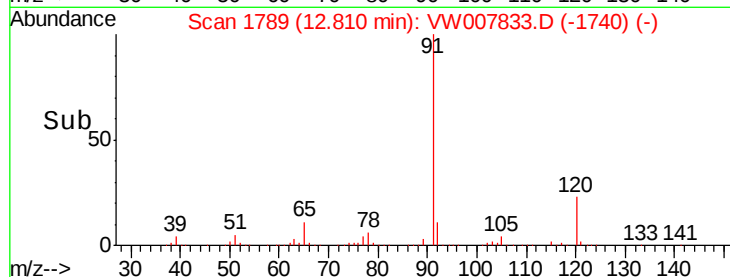
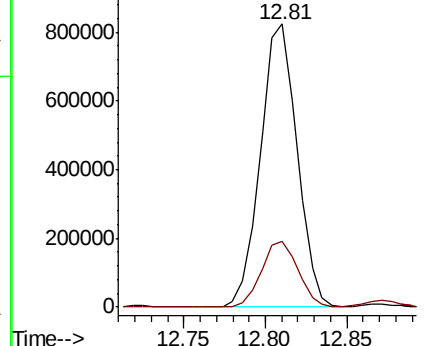
91 100

120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 154.826 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.05 min

Lab File: VW007833.D

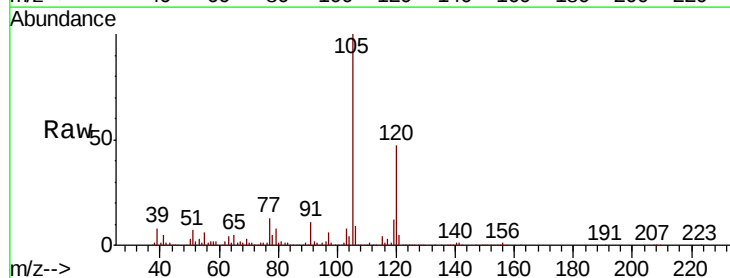
Acq: 22 Dec 2018 10:32

Tgt Ion: 91 Resp: 90242

Ion Ratio Lower Upper

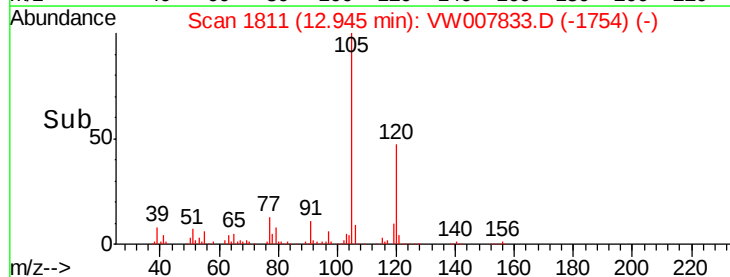
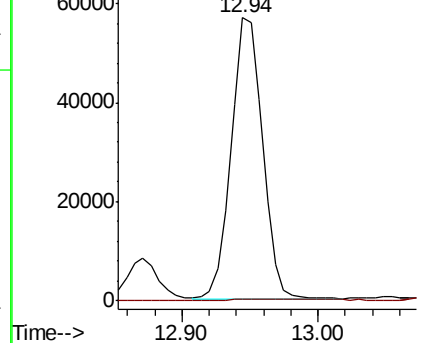
91 100

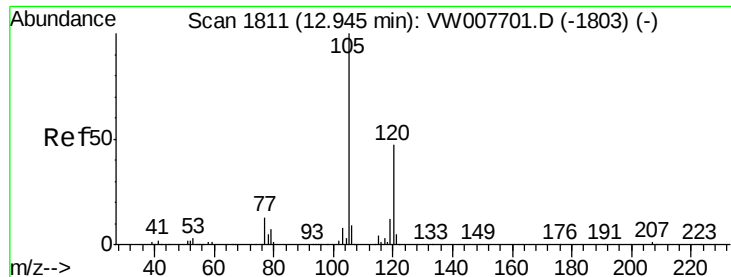
126 1.1 17.0 51.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

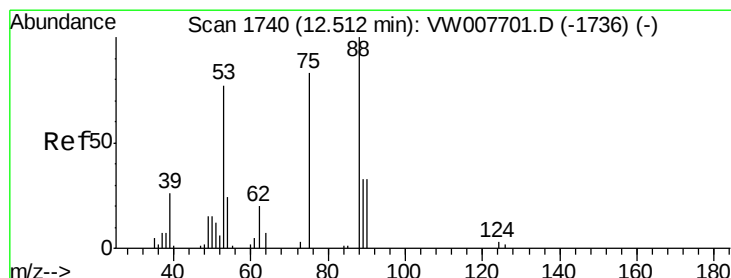
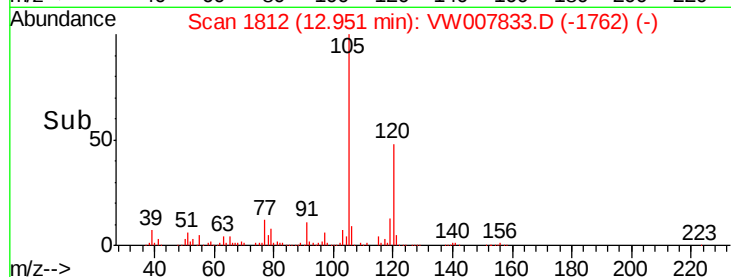
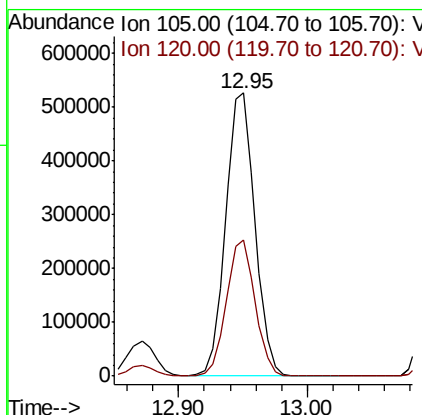
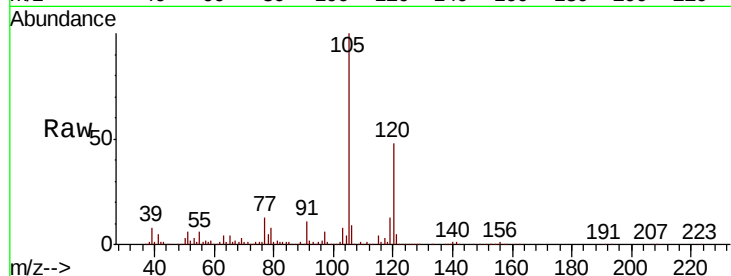




#80
 1,3,5-Trimethylbenzene
 Concen: 1124.196 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

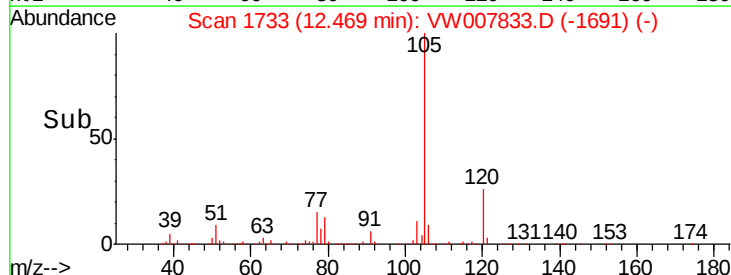
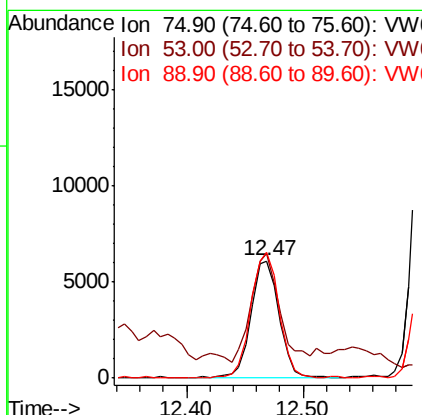
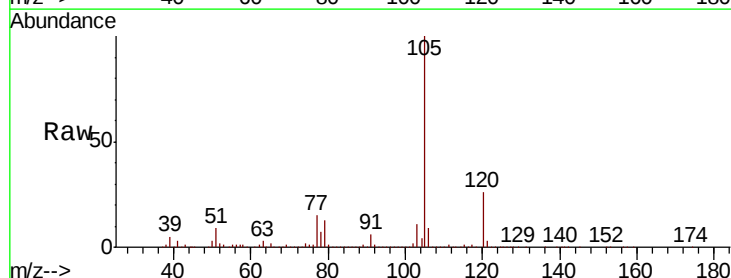
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

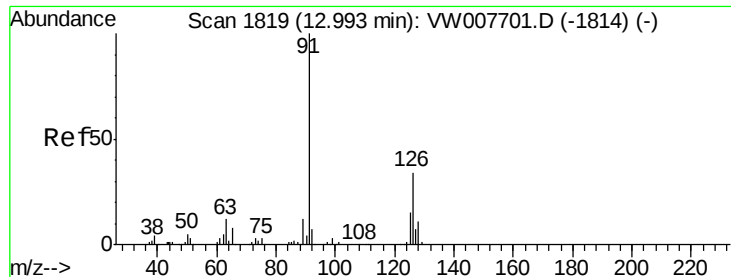
Tgt Ion: 105 Resp: 833477
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 70.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 247.435 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. -0.04 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 75 Resp: 10360
 Ion Ratio Lower Upper
 75 100
 53 91.2 80.2 120.2
 89 107.1 39.2 58.8#





#82

4-Chlorotoluene

Concen: 145.409 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.05 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

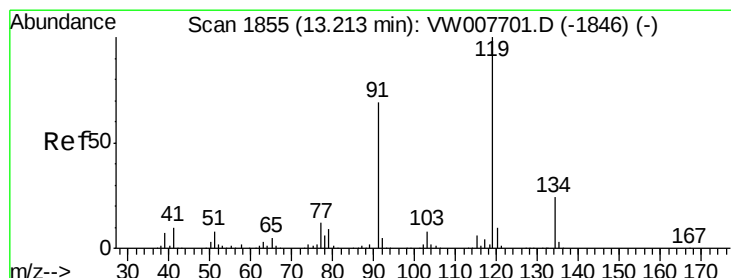
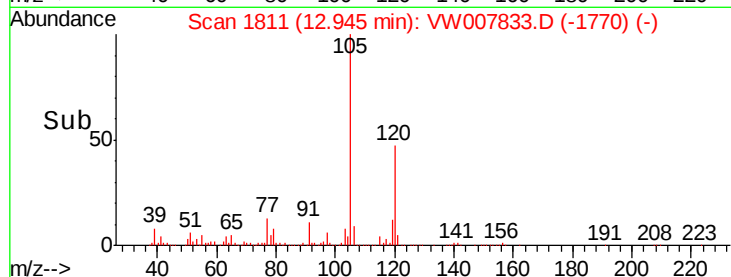
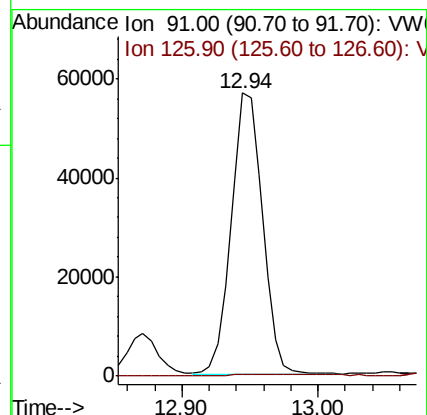
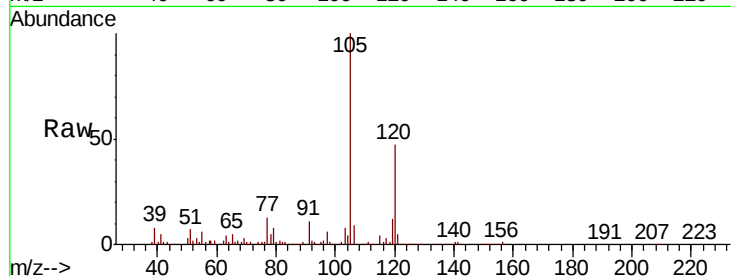
P001-SS013B-4248-01

Tgt Ion: 91 Resp: 90242

Ion Ratio Lower Upper

91 100

126 1.4 16.5 49.5#



#83

tert-Butylbenzene

Concen: 30.718 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

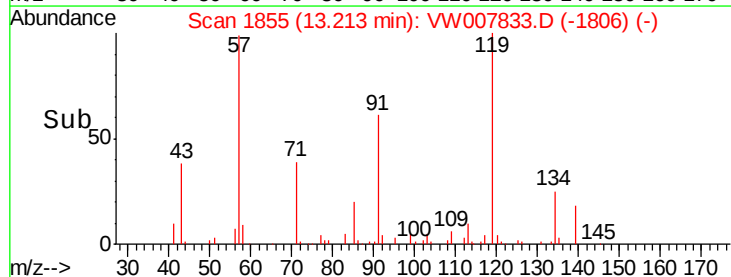
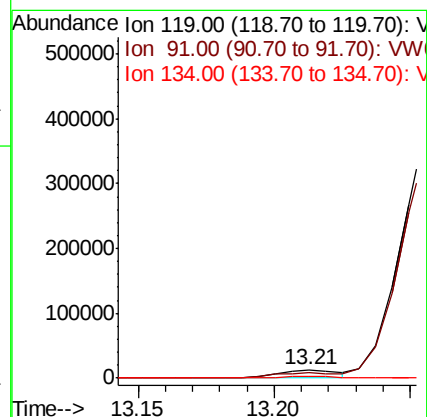
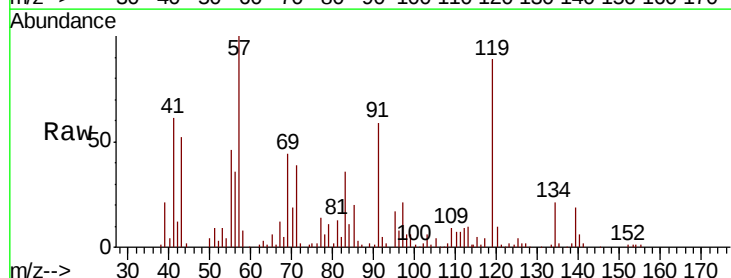
Tgt Ion: 119 Resp: 19983

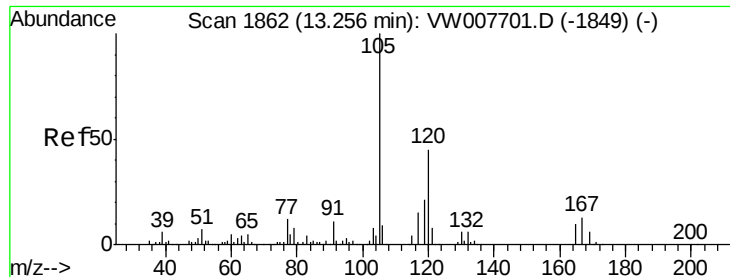
Ion Ratio Lower Upper

119 100

91 0.0 34.2 102.5#

134 22.9 12.8 38.4

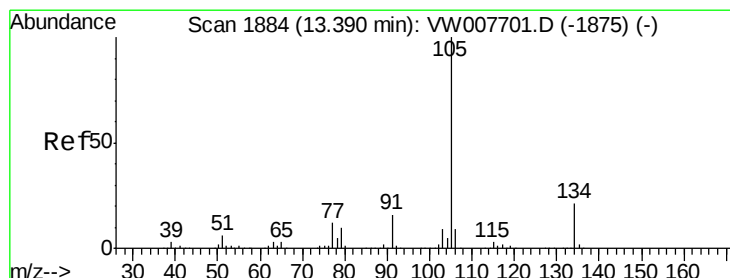
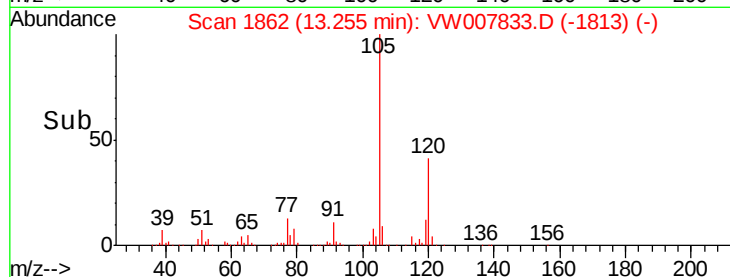
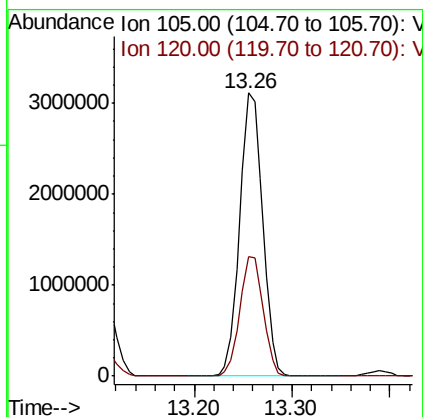
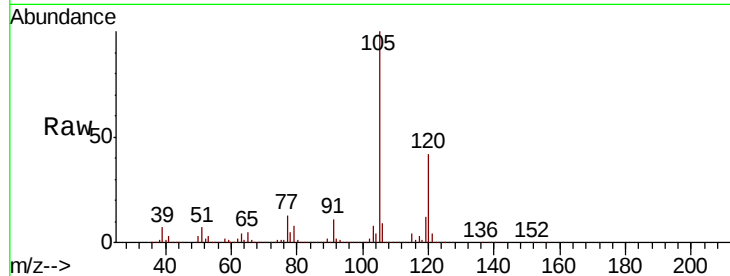




#84
1,2,4-Trimethylbenzene
Concen: 6783.607 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

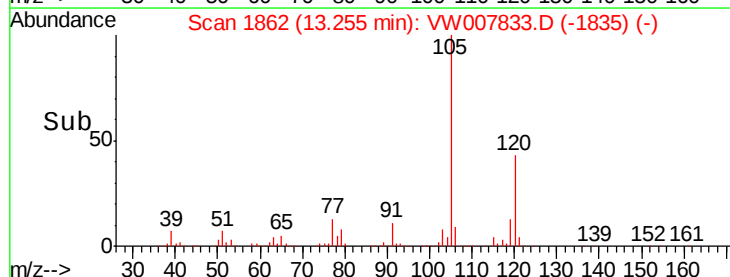
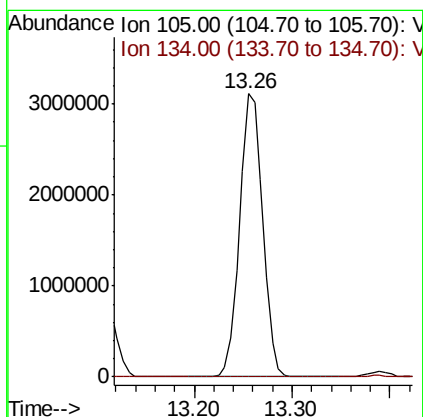
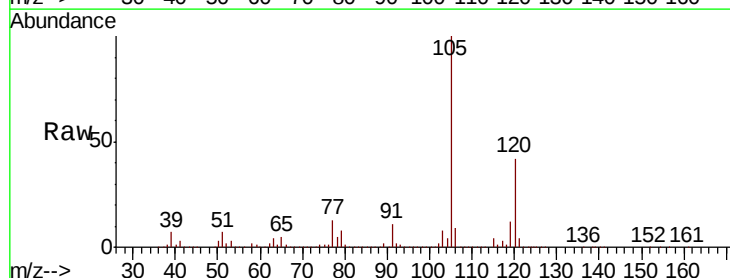
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

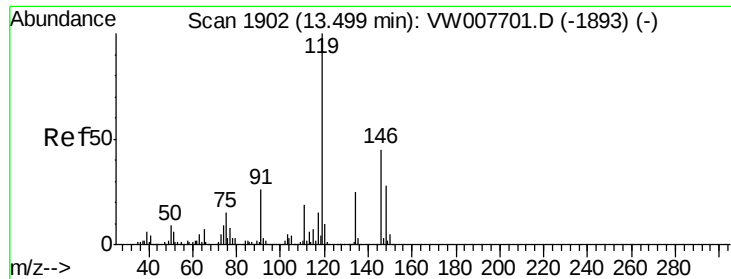
Tgt Ion:105 Resp: 5074901
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0



#85
sec-Butylbenzene
Concen: 5660.575 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.13 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:105 Resp: 5074901
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

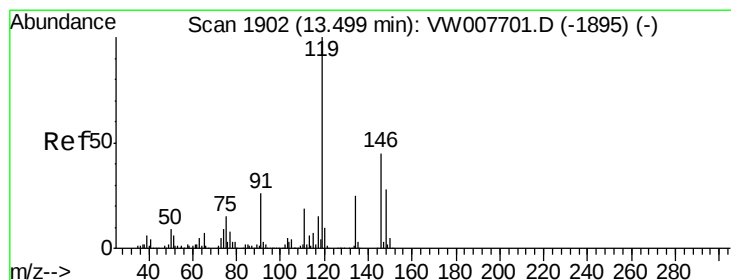
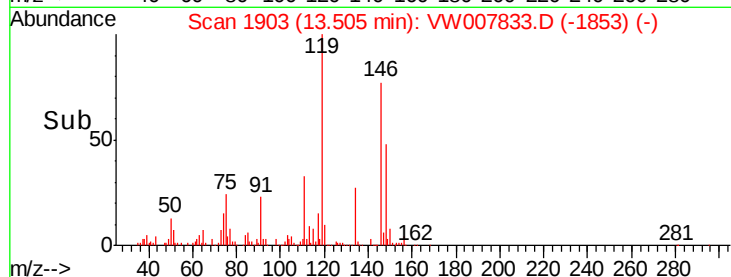
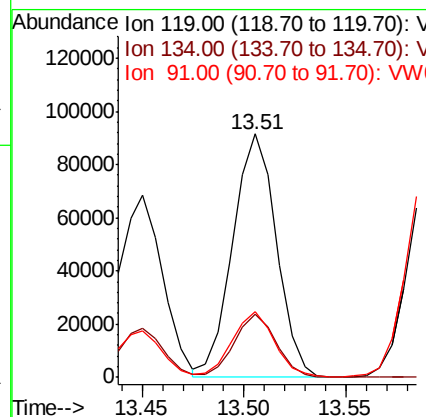
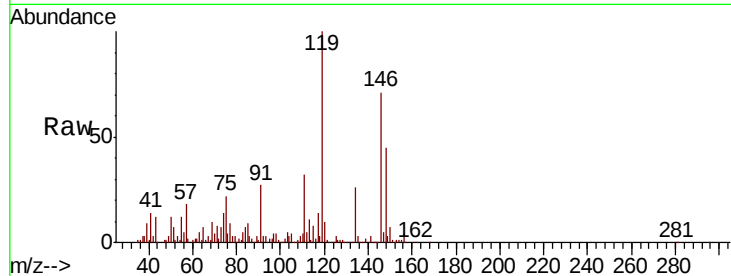




#86
p-Isopropyltoluene
Concen: 166.255 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

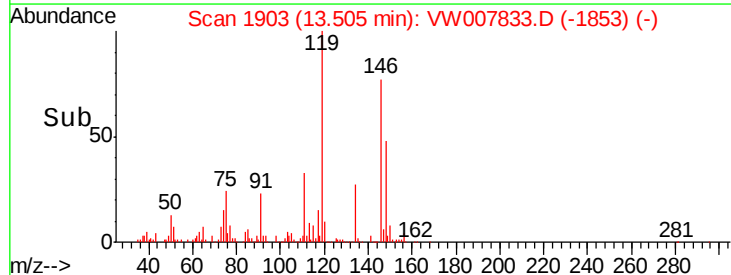
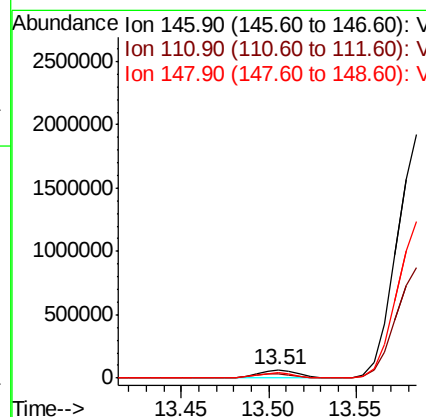
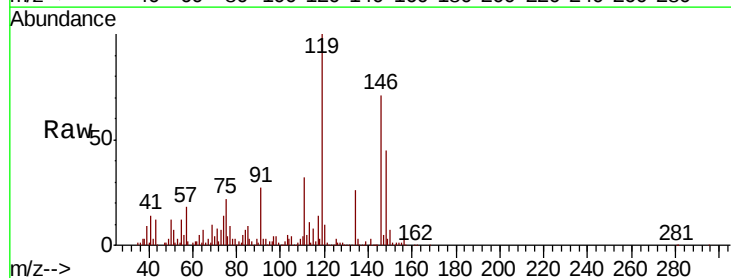
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-4248-01

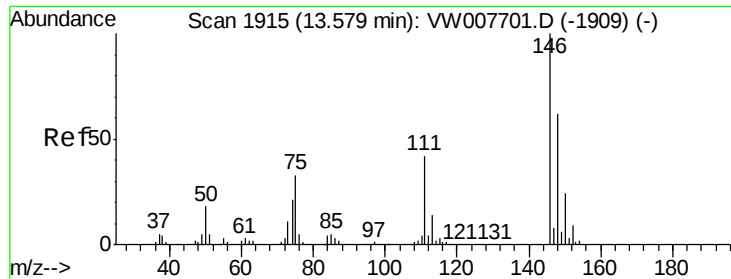
Tgt Ion:119 Resp: 135536
Ion Ratio Lower Upper
119 100
134 25.1 13.0 39.0
91 25.6 12.8 38.4



#87
1,3-Dichlorobenzene
Concen: 260.805 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW007833.D
Acq: 22 Dec 2018 10:32

Tgt Ion:146 Resp: 102001
Ion Ratio Lower Upper
146 100
111 47.6 21.1 63.4
148 63.8 32.1 96.5

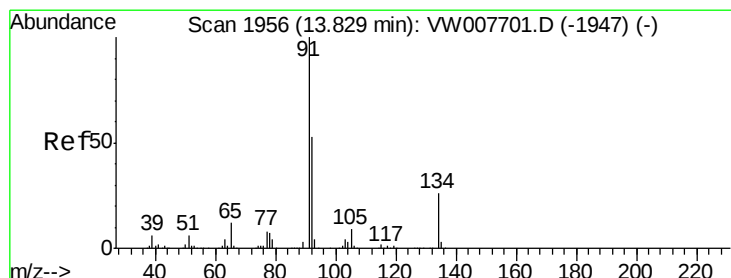
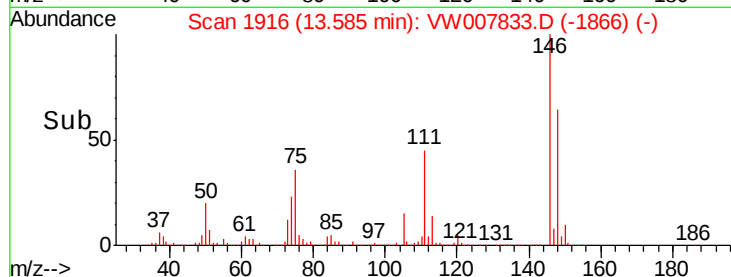
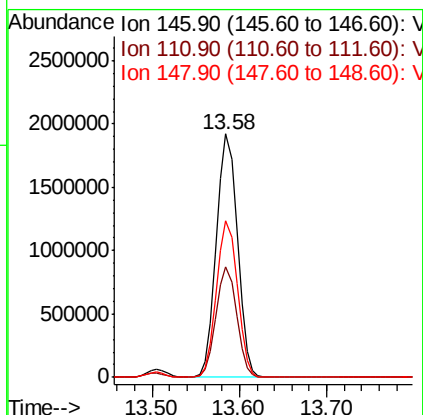
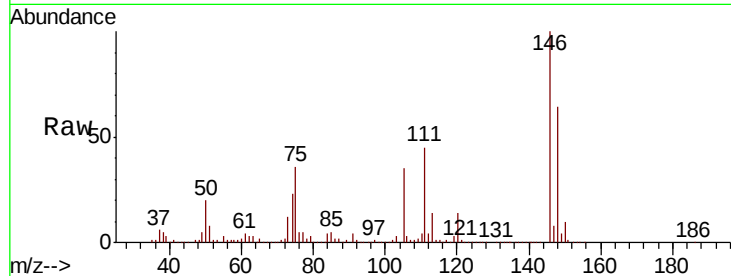




#88
 1,4-Dichlorobenzene
 Concen: 8204.236 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

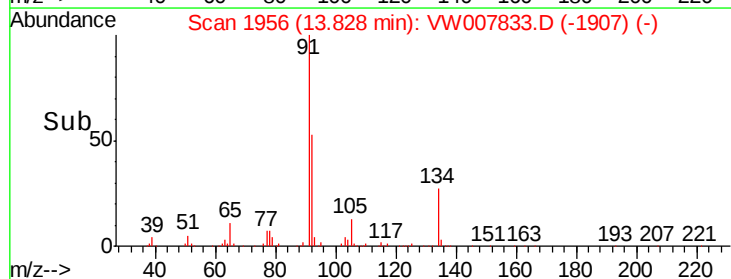
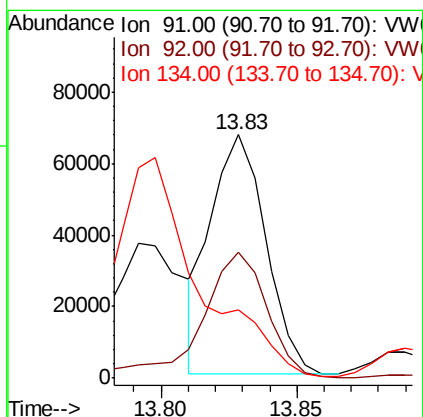
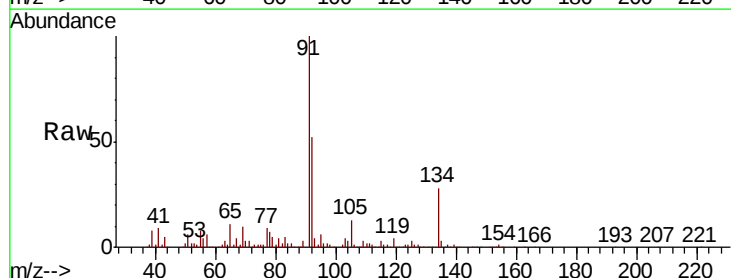
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

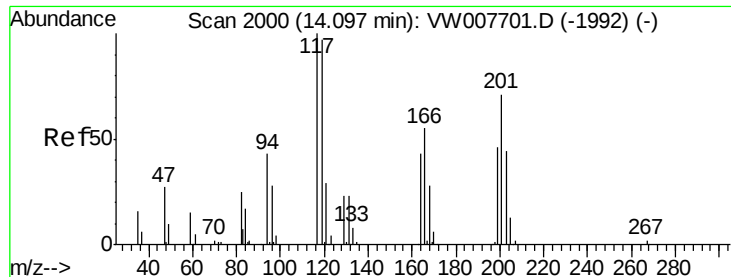
Tgt Ion:146 Resp: 3209630
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.0 63.0
 148 63.9 31.8 95.4



#89
 n-Butylbenzene
 Concen: 126.020 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion: 91 Resp: 94196
 Ion Ratio Lower Upper
 91 100
 92 61.1 26.4 79.2
 134 0.0 13.7 41.0#





#90

Hexachloroethane

Concen: 318.726 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

Instrument :

MSVOA_W

ClientSampleId :

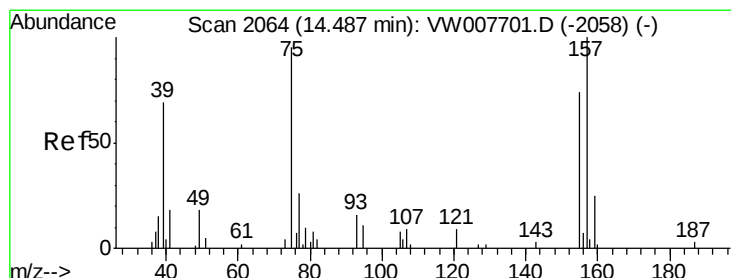
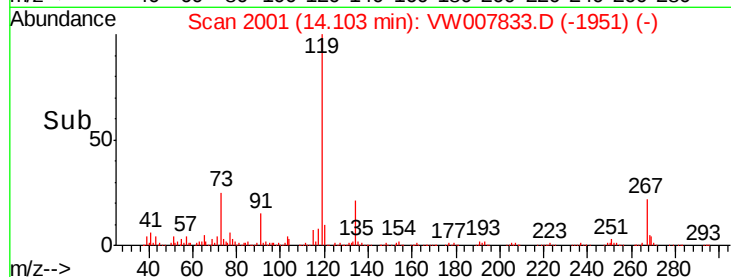
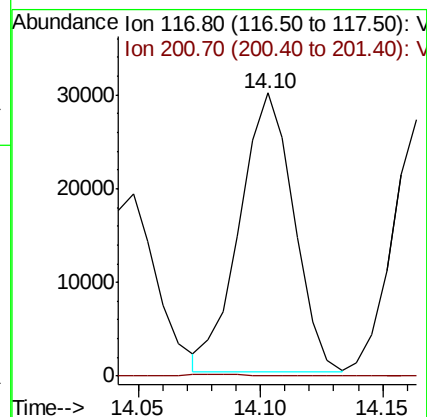
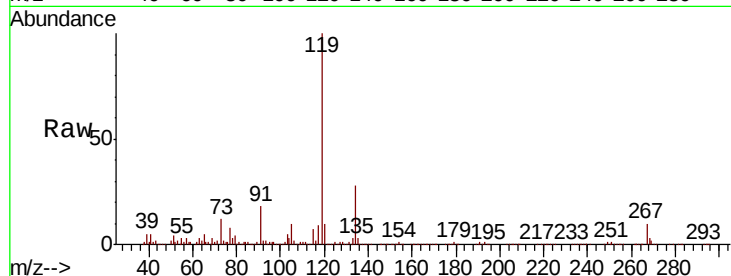
P001-SS013B-4248-01

Tgt Ion:117 Resp: 45617

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.689 ug/l

RT: 14.51 min Scan# 2068

Delta R.T. 0.02 min

Lab File: VW007833.D

Acq: 22 Dec 2018 10:32

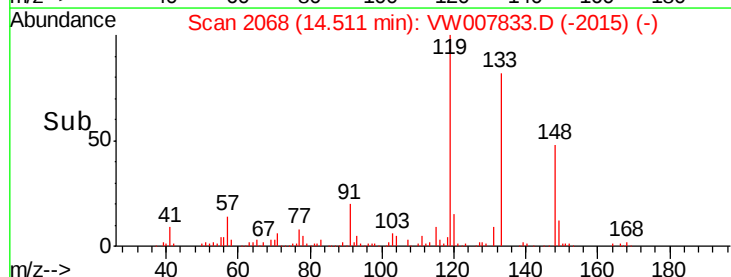
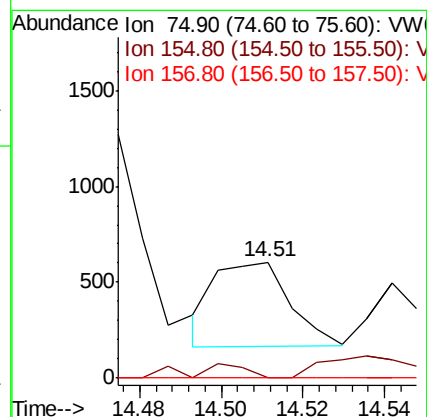
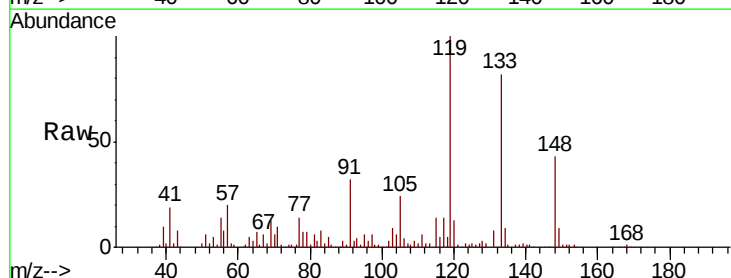
Tgt Ion: 75 Resp: 574

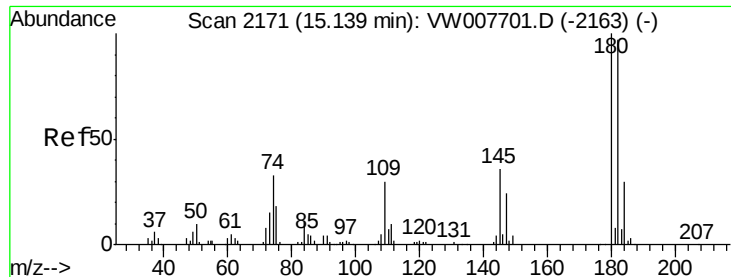
Ion Ratio Lower Upper

75 100

155 12.4 39.4 118.1#

157 0.0 52.0 156.0#

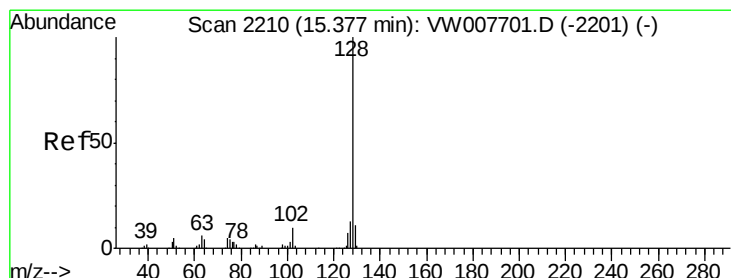
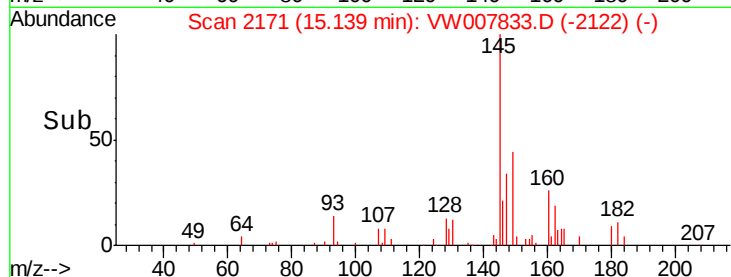
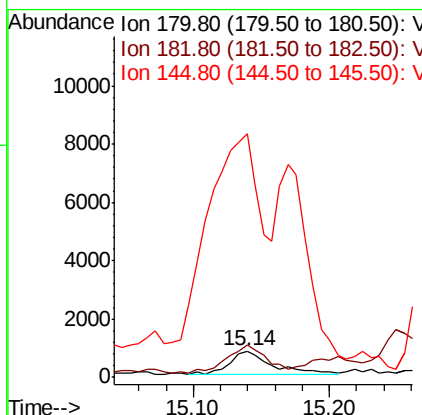
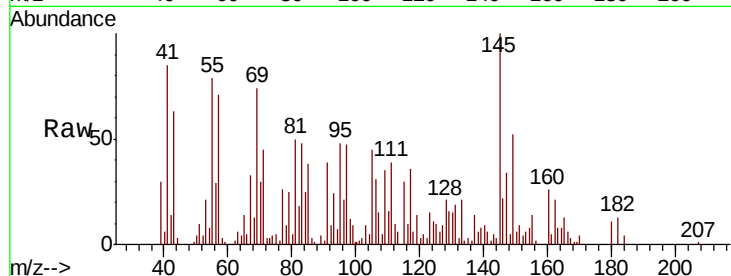




#93
 1,2,4-Trichlorobenzene
 Concen: 7.006 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

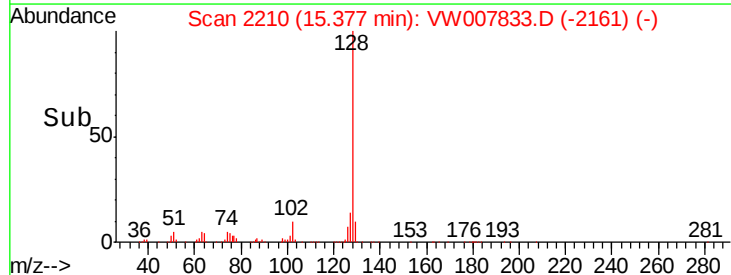
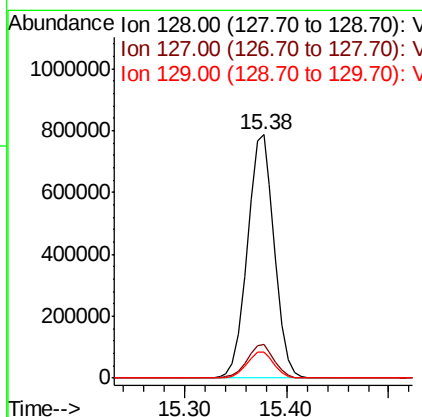
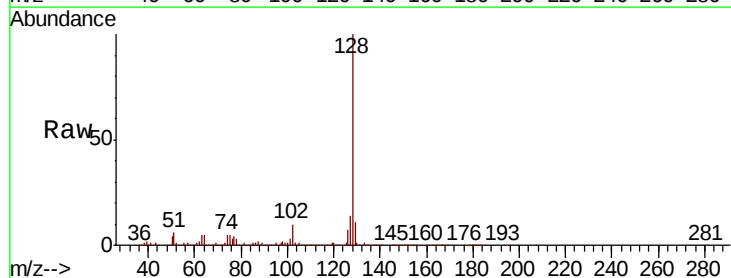
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

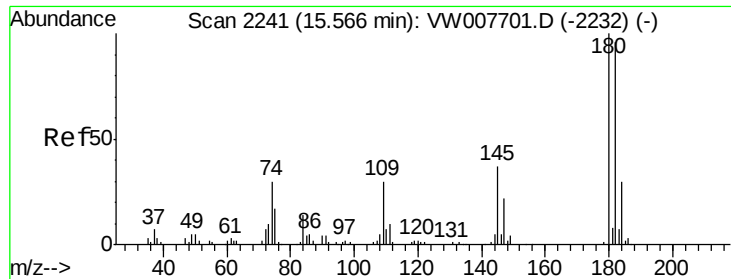
Tgt Ion:180 Resp: 1703
 Ion Ratio Lower Upper
 180 100
 182 116.4 47.5 142.6
 145 1171.0 17.5 52.5#



#95
 Naphthalene
 Concen: 3192.792 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Tgt Ion:128 Resp: 1434823
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.7 16.1
 129 10.9 8.8 13.2

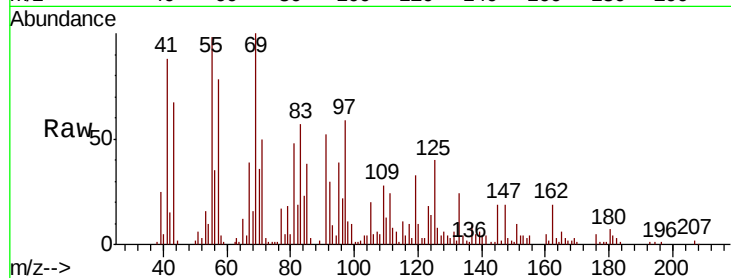




#96
 1,2,3-Trichlorobenzene
 Concen: 2.413 ug/l
 RT: 15.58 min Scan# 2244
 Delta R.T. 0.02 min
 Lab File: VW007833.D
 Acq: 22 Dec 2018 10:32

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-4248-01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	18.4	55.0#



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

