

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
 Data File : VW007545.D
 Acq On : 14 Dec 2018 19:27
 Operator : SY/AP
 Sample : J6347-20
 Misc : 3.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0006-01

Quant Time: Dec 15 00:44:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	66763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19058	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	36530	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	33102	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	10.32	98	99533	40.16	ug/l	0.00
Spiked Amount			Recovery	=	80.32%	
62) 4-Bromofluorobenzene	12.62	95	23474	25.76	ug/l	0.00
Spiked Amount			Recovery	=	51.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	5.43	53	3529	24.939	ug/l #	39
16) Acetone	4.12	43	14159	105.200	ug/l	96
25) 2-Butanone	7.18	43	6327	36.008	ug/l	89
31) Cyclohexane	7.95	56	27705	23.145	ug/l	98
36) 1,1-Dichloropropene	7.95	75	5381	5.401	ug/l #	56
37) Ethyl Acetate	7.18	43	6327	17.075	ug/l #	66
38) Carbon Tetrachloride	7.95	117	7573	6.986	ug/l #	17
39) Methylcyclohexane	9.34	83	56379	46.736	ug/l	94
40) Benzene	8.33	78	14884	5.384	ug/l	98
43) Isopropyl Acetate	8.42	43	2276	3.110	ug/l #	50
48) Methyl methacrylate	9.52	41	940	2.501	ug/l #	8
52) Toluene	10.39	92	51681	28.886	ug/l	99
55) 1,1,2-Trichloroethane	10.77	97	3867	7.820	ug/l #	24
56) Ethyl methacrylate	10.66	69	1077	1.812	ug/l #	1
59) 2-Hexanone	10.94	43	2525	10.950	ug/l #	26
65) Chlorobenzene	11.66	112	65854	47.324	ug/l	96
67) Ethyl Benzene	11.83	91	2833862	1184.494	ug/l #	63
68) m/p-Xylenes	11.83	106	1346463	1447.675	ug/l	97
69) o-Xylene	12.17	106	140766	162.053	ug/l	96
70) Styrene	12.17	104	7596	5.414	ug/l #	1
73) Isopropylbenzene	12.47	105	13031	8.924	ug/l	97
74) N-amyl acetate	12.26	43	1147	4.322	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.93	83	684	3.162	ug/l	72
76) 1,2,3-Trichloropropane	12.94	75	1982	12.613	ug/l	67
77) Bromobenzene	12.94	156	52549	162.343	ug/l #	1
78) n-propylbenzene	12.81	91	21084	12.829	ug/l	96
79) 2-Chlorotoluene	12.87	91	9237	9.289	ug/l #	50
80) 1,3,5-Trimethylbenzene	12.94	105	44463	36.237	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.47	75	749	10.529	ug/l #	47
82) 4-Chlorotoluene	12.95	91	4558	4.348	ug/l #	54
83) tert-Butylbenzene	13.21	119	1148	1.062	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.26	105	153612	121.658	ug/l	98
85) sec-Butylbenzene	13.26	105	153612	104.078	ug/l #	54
86) p-Isopropyltoluene	13.50	119	8128	6.130	ug/l	92

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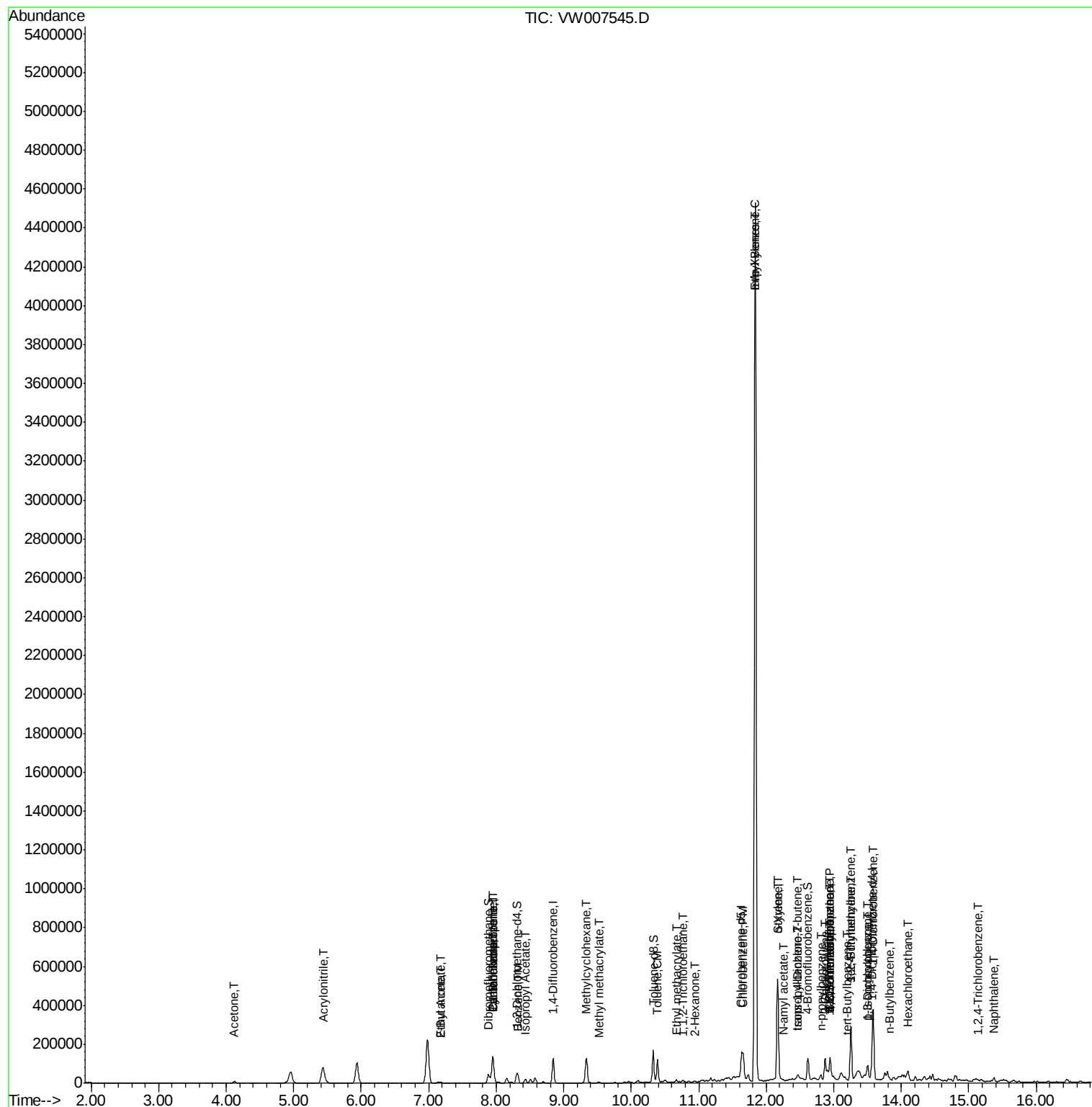
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.50	146	15473	23.975	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	122200	188.344	ug/l	97
89) n-Butylbenzene	13.83	91	3839	3.123	ug/l #	63
90) Hexachloroethane	14.10	117	1947	8.253	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.14	180	949	2.386	ug/l #	45
95) Naphthalene	15.37	128	17096	22.465	ug/l #	94

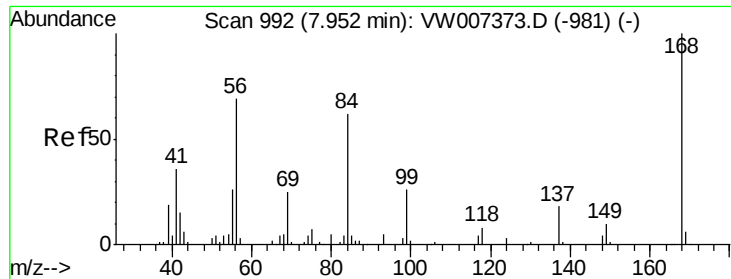
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007545.D

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Instrument :

BNA_G

ClientSampleId :

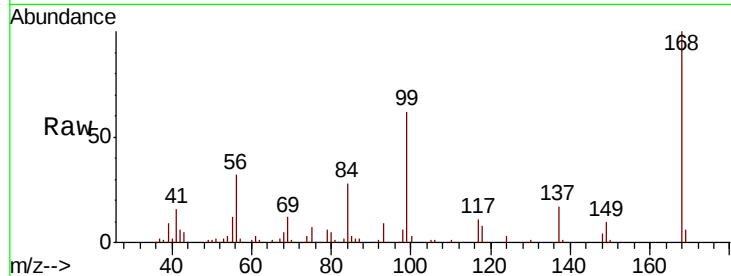
P001-SD001-0006-01

Tgt Ion: 168 Resp: 69455

Ion Ratio Lower Upper

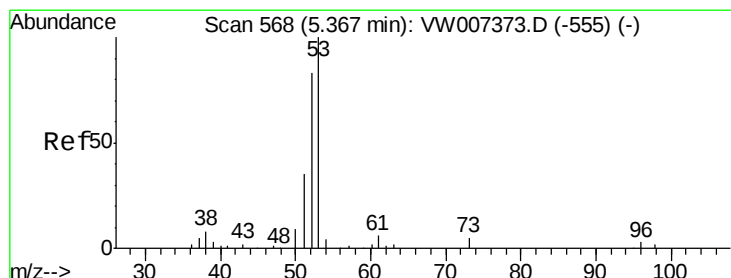
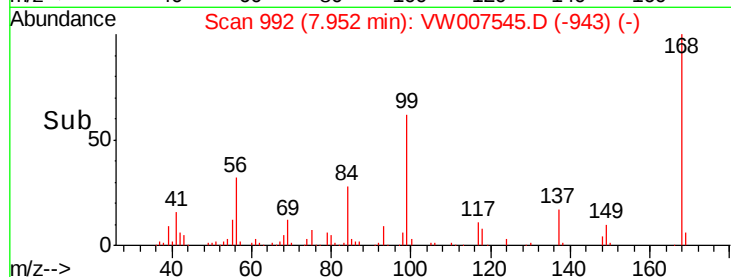
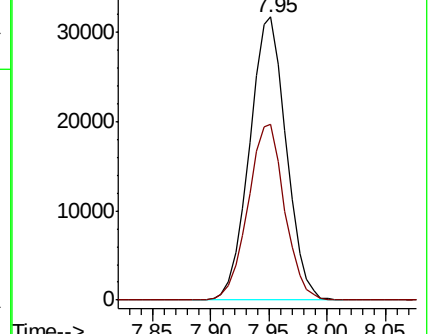
168 100

99 61.9 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#15

Acrylonitrile

Concen: 24.939 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.07 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

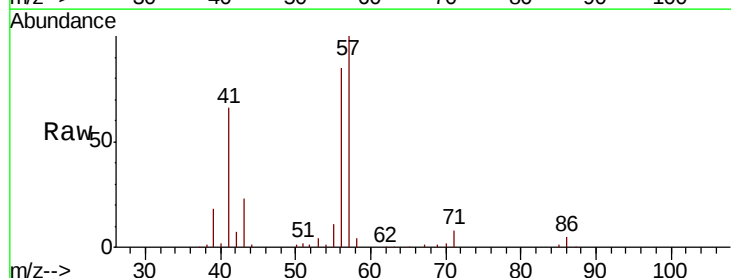
Tgt Ion: 53 Resp: 3529

Ion Ratio Lower Upper

53 100

52 17.6 67.4 101.2#

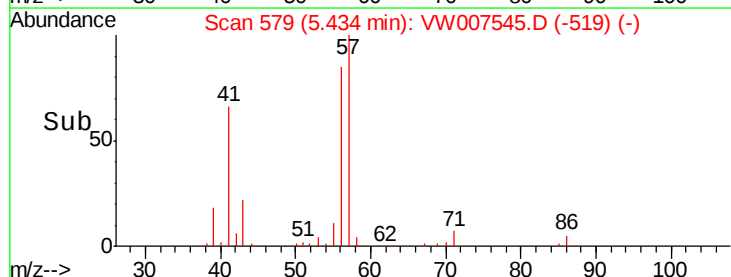
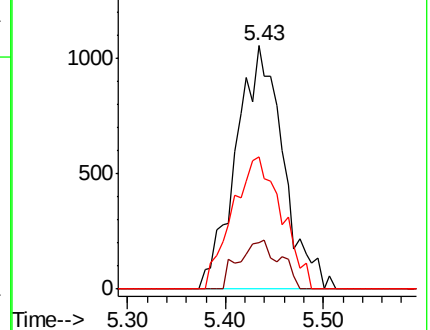
51 56.7 30.2 45.2#

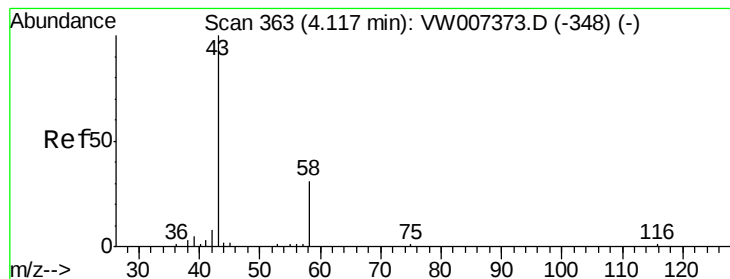


Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW





#16

Acetone

Concen: 105.200 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

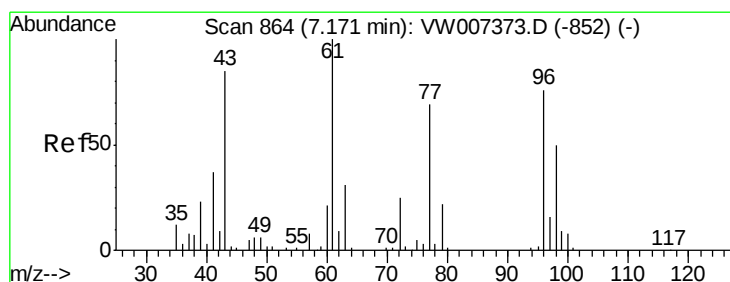
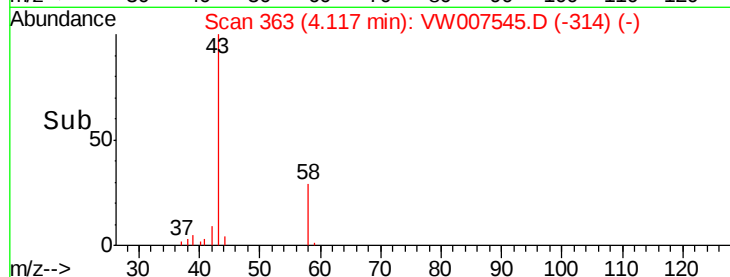
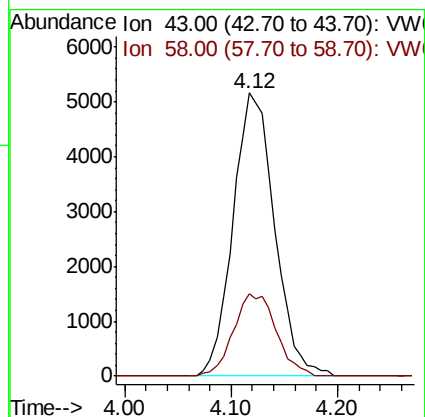
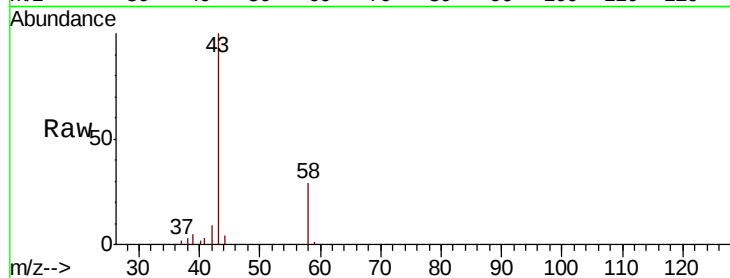
P001-SD001-0006-01

Tgt Ion: 43 Resp: 14159

Ion Ratio Lower Upper

43 100

58 29.0 24.9 37.3



#25

2-Butanone

Concen: 36.008 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007545.D

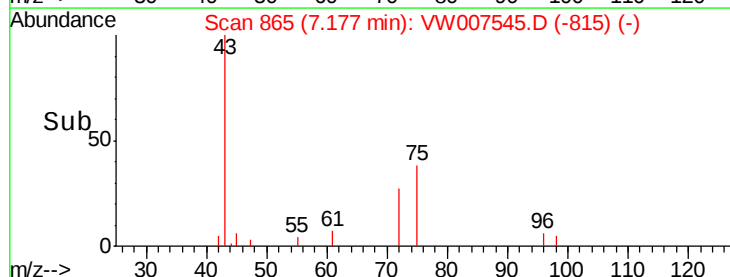
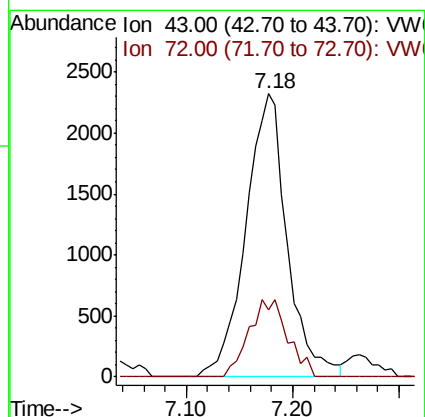
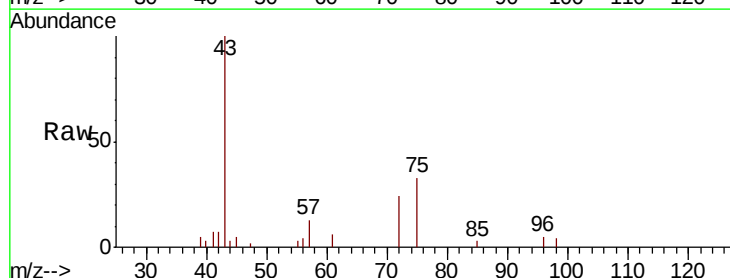
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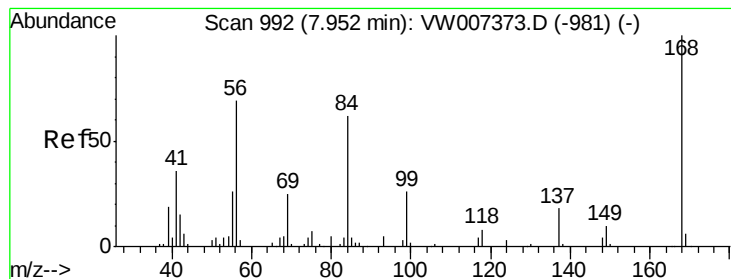
Tgt Ion: 43 Resp: 6327

Ion Ratio Lower Upper

43 100

72 23.6 23.4 35.2





#31

Cyclohexane

Concen: 23.145 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

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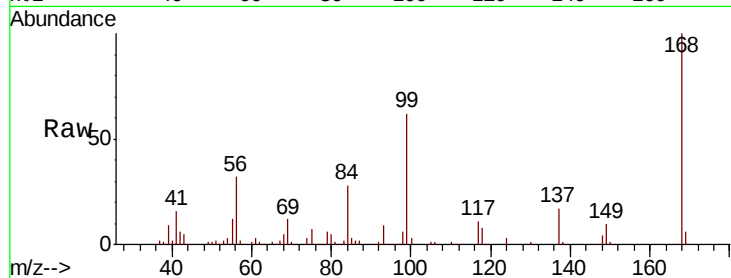
Tgt Ion: 56 Resp: 27705

Ion Ratio Lower Upper

56 100

69 39.2 28.9 43.3

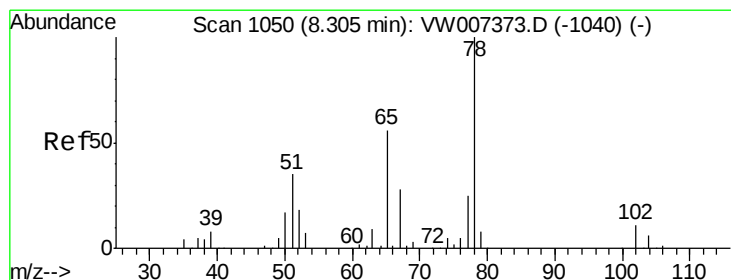
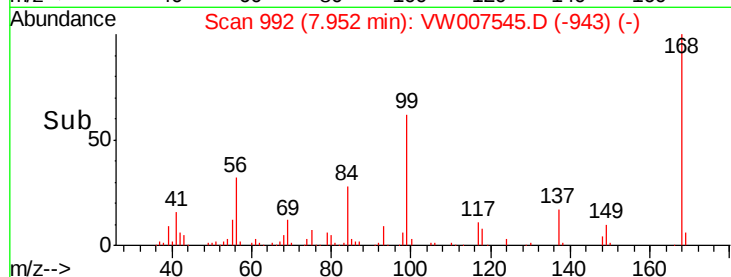
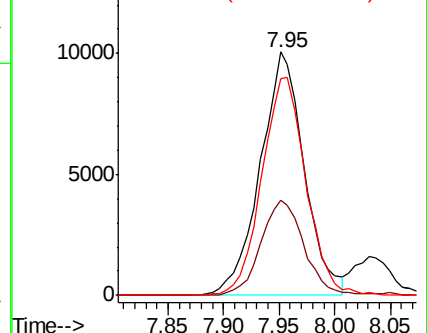
84 89.0 71.8 107.6



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: 47.408 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW007545.D

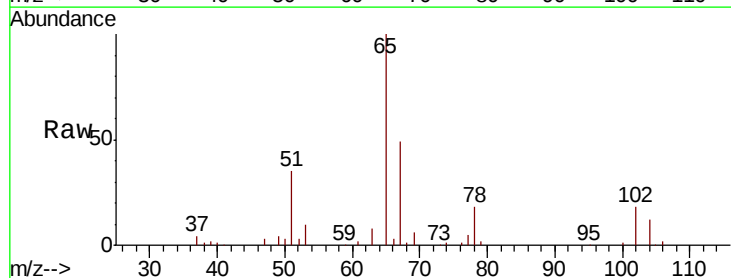
Acq: 14 Dec 2018 19:27

Tgt Ion: 65 Resp: 36530

Ion Ratio Lower Upper

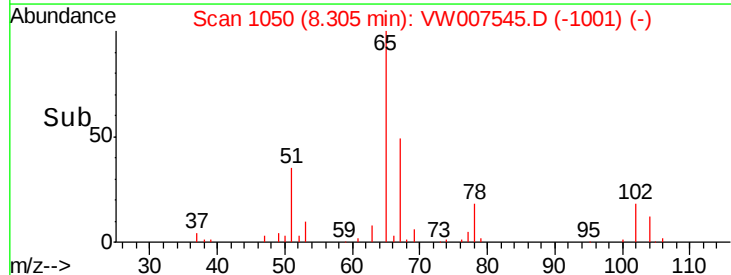
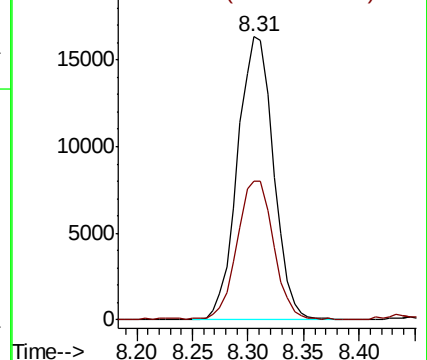
65 100

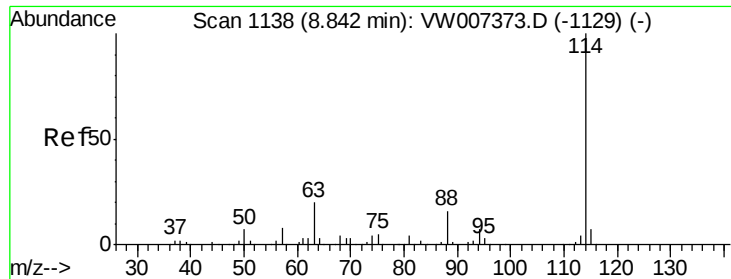
67 50.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

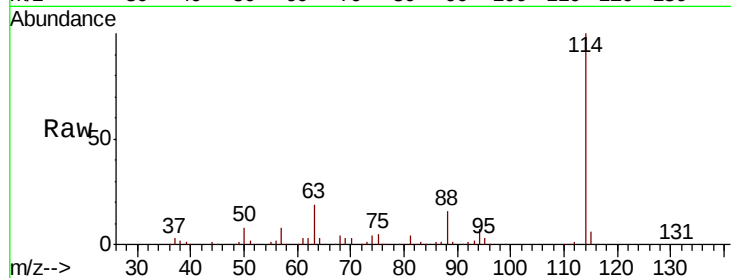




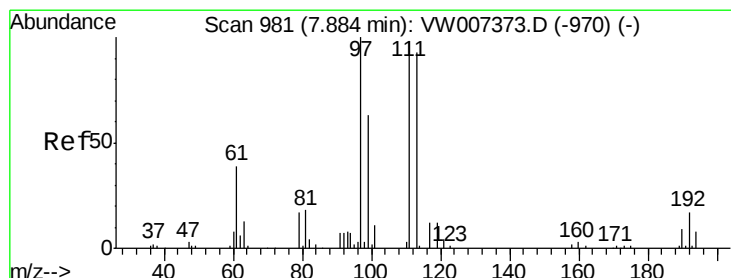
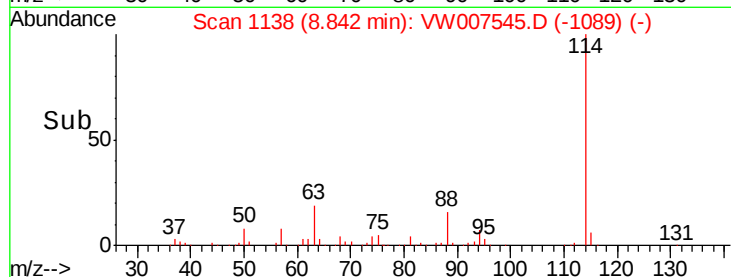
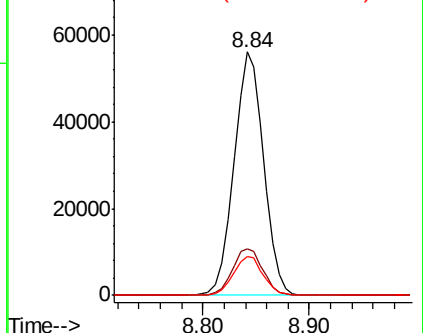
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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 P001-SD001-0006-01

Tgt Ion:114 Resp: 109207
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 15.9 0.0 31.4

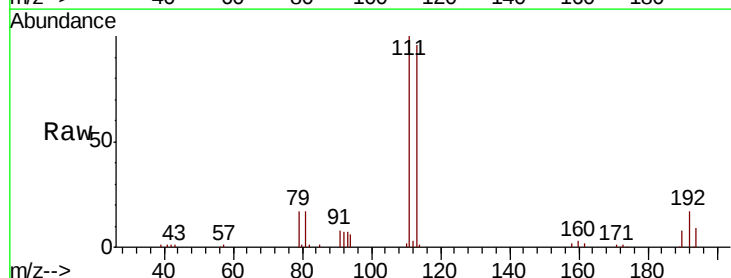


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

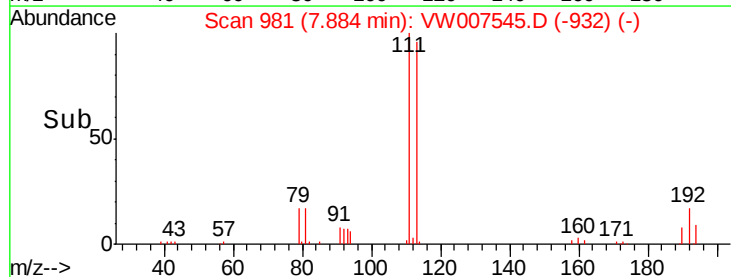
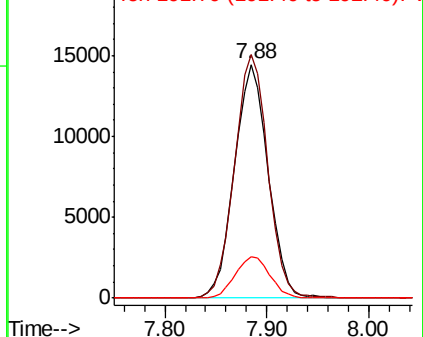


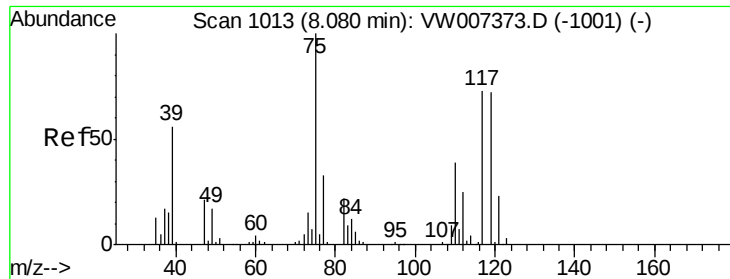
#35
 Dibromofluoromethane
 Concen: 50.073 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Tgt Ion:113 Resp: 33102
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.1 121.7
 192 18.3 14.6 21.8



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

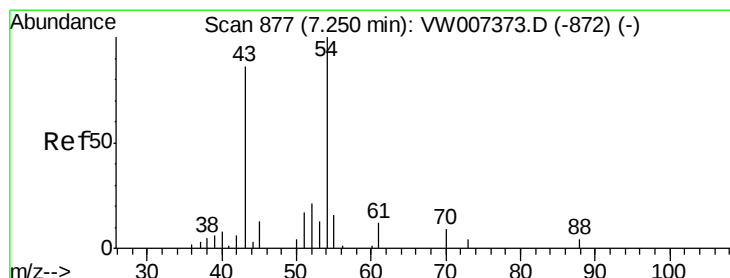
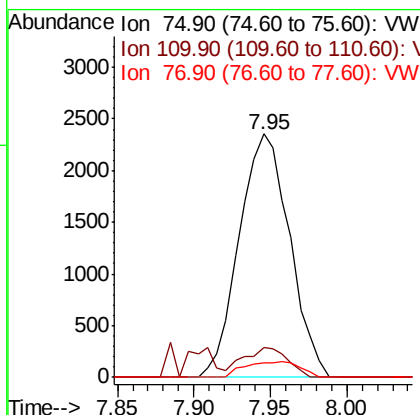
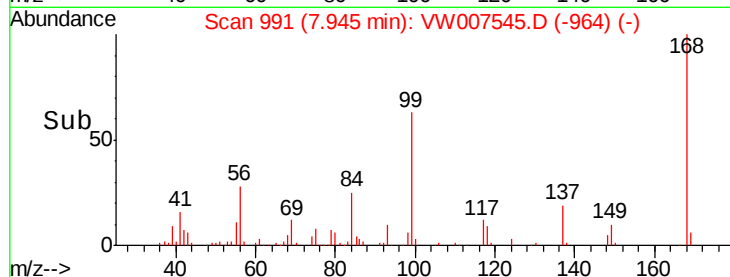
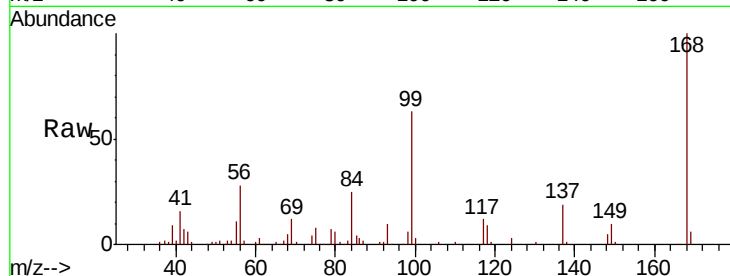




#36
 1,1-Dichloropropene
 Concen: 5.401 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

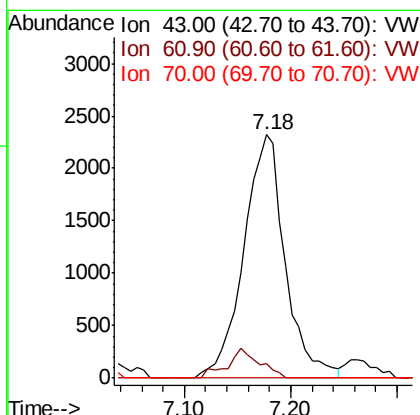
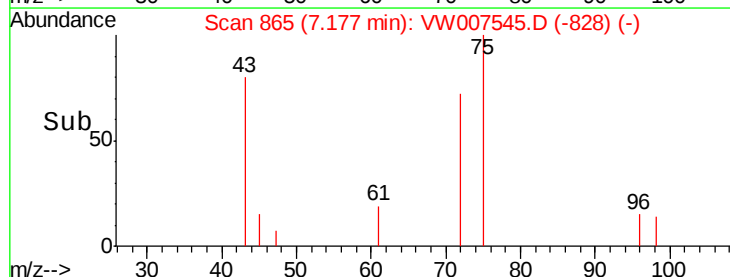
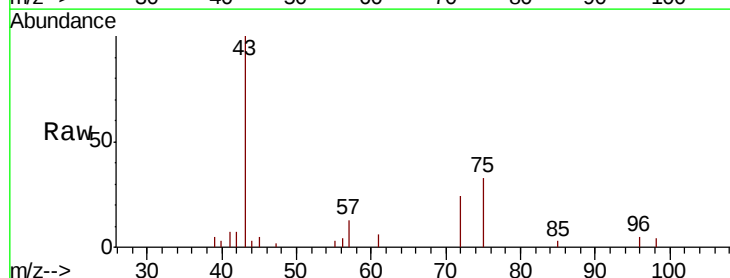
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 P001-SD001-0006-01

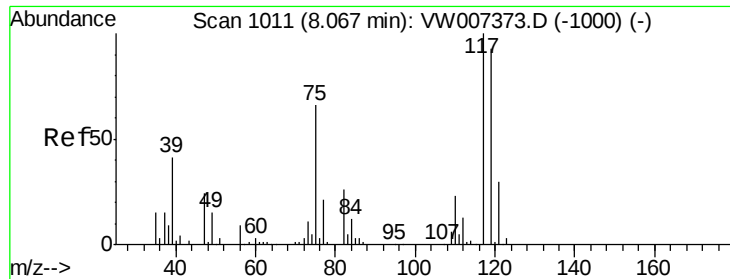
Tgt Ion: 75 Resp: 5381
 Ion Ratio Lower Upper
 75 100
 110 10.7 18.5 55.5#
 77 7.0 25.6 38.4#



#37
 Ethyl Acetate
 Concen: 17.075 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Tgt Ion: 43 Resp: 6327
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 10.0 15.0#

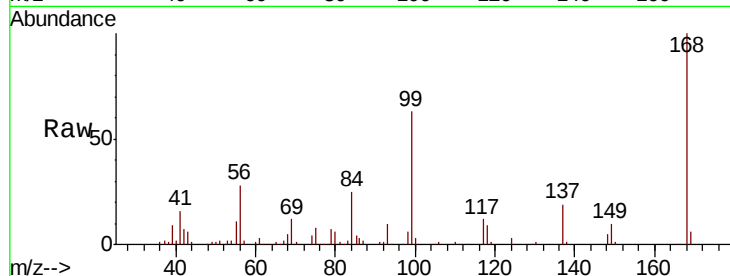




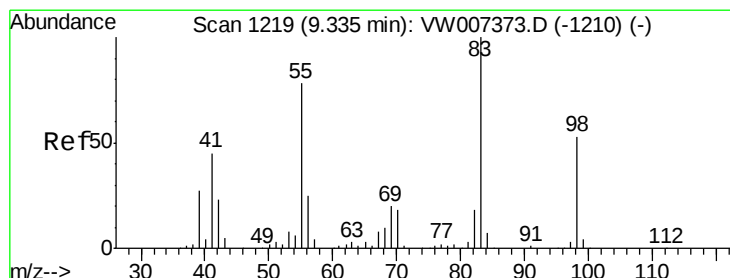
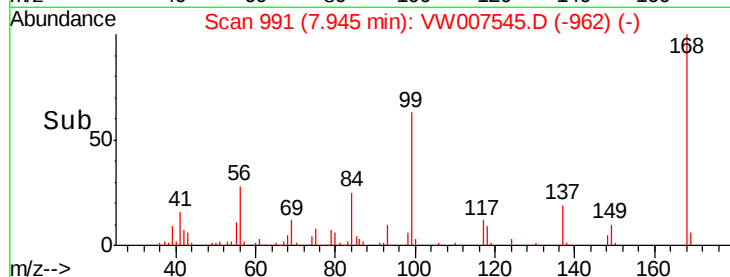
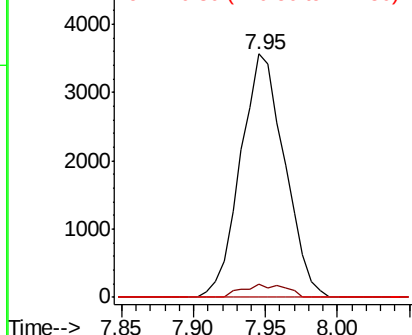
#38
Carbon Tetrachloride
Concen: 6.986 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

Tgt Ion:117 Resp: 7573
Ion Ratio Lower Upper
117 100
119 5.4 74.3 111.5#
121 0.0 24.3 36.5#

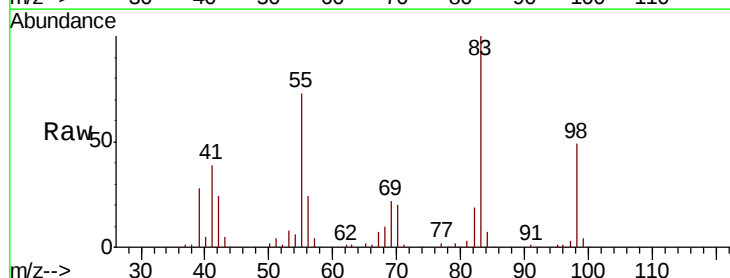


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

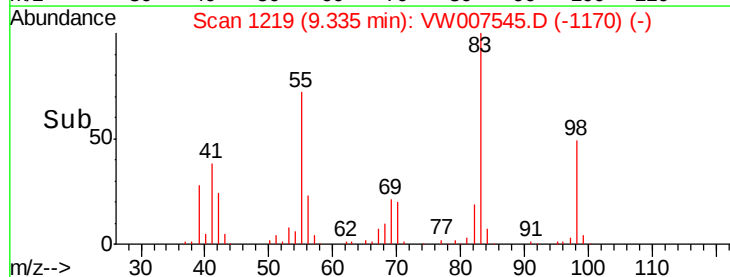
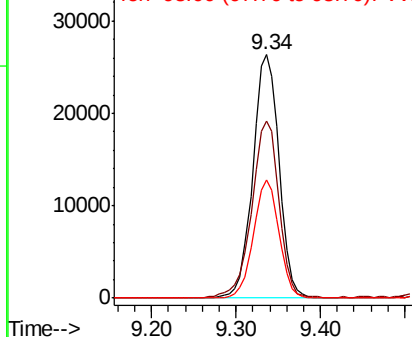


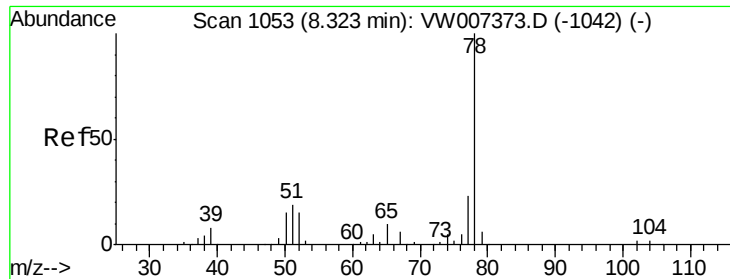
#39
Methylcyclohexane
Concen: 46.736 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion: 83 Resp: 56379
Ion Ratio Lower Upper
83 100
55 72.5 62.8 94.2
98 48.6 42.2 63.2



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: 5.384 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

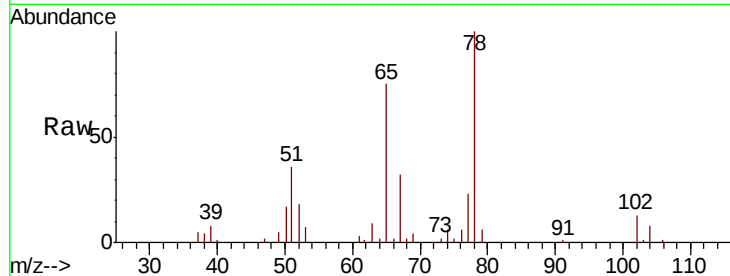
P001-SD001-0006-01

Tgt Ion: 78 Resp: 14884

Ion Ratio Lower Upper

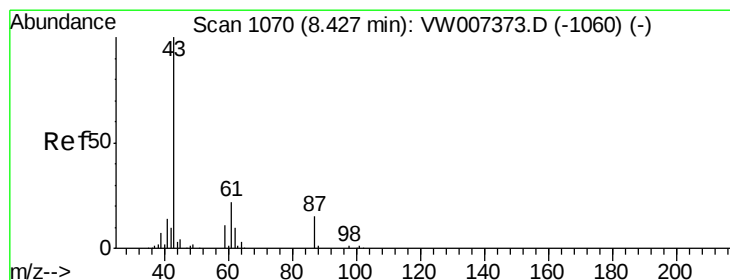
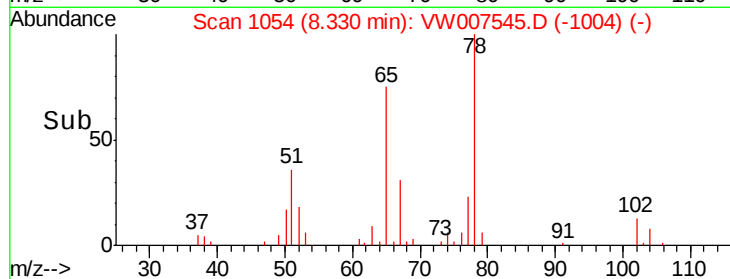
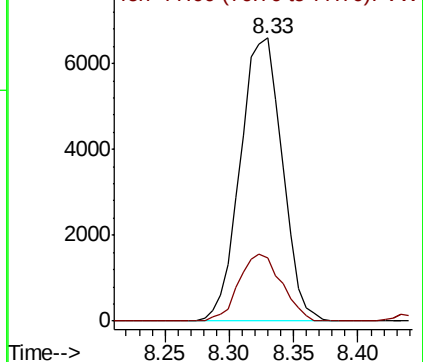
78 100

77 22.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

Isopropyl Acetate

Concen: 3.110 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

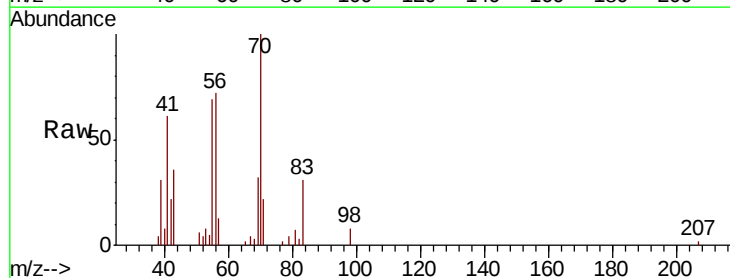
Tgt Ion: 43 Resp: 2276

Ion Ratio Lower Upper

43 100

61 0.0 25.3 37.9#

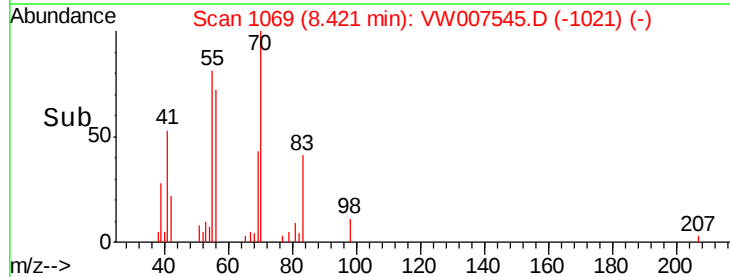
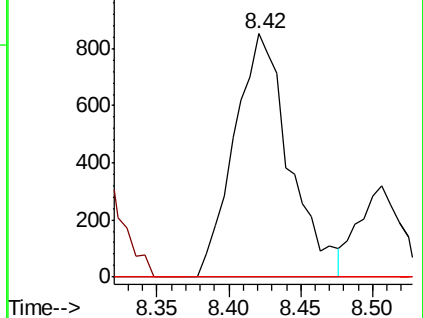
87 0.0 11.8 17.8#

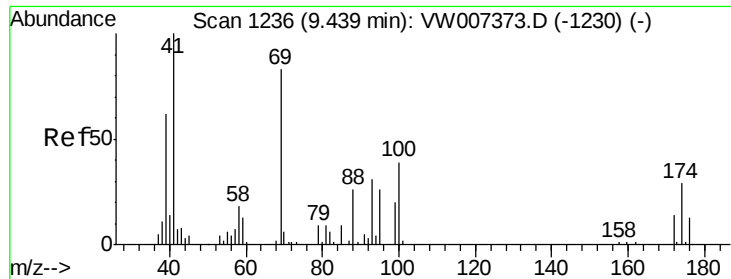


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

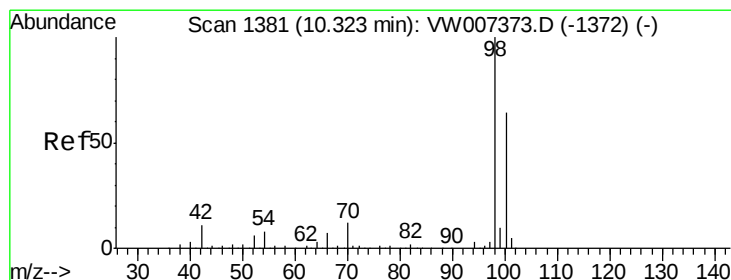
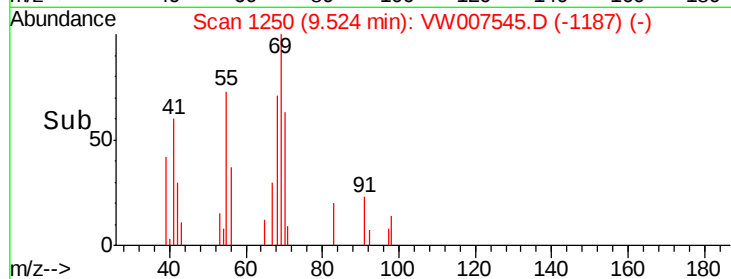
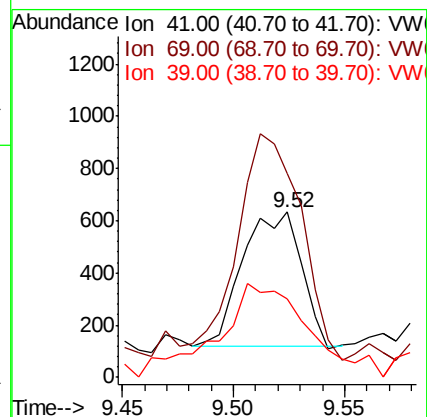
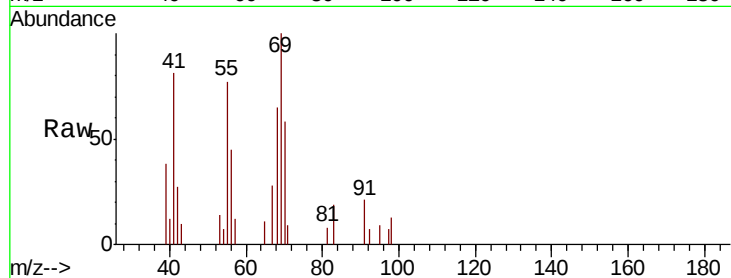




#48
Methyl methacrylate
Concen: 2.501 ug/l
RT: 9.52 min Scan# 1250
Delta R.T. 0.09 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

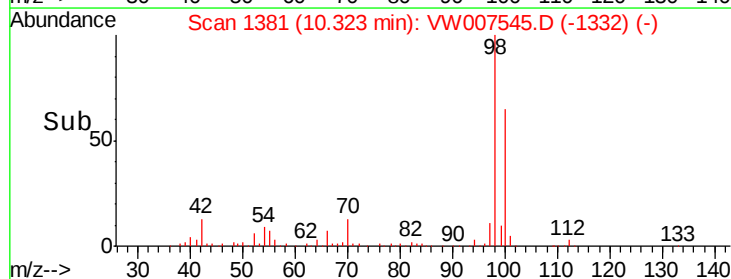
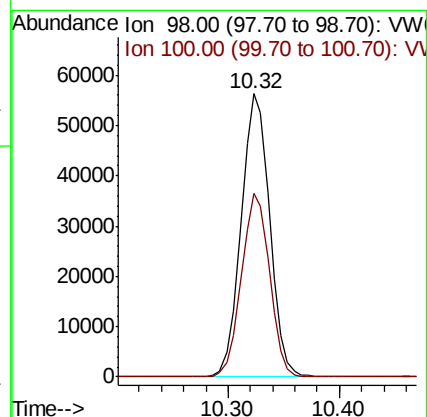
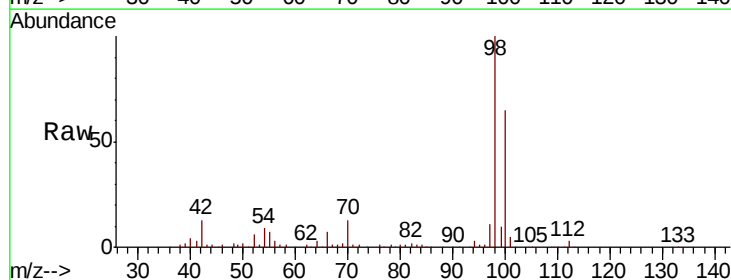
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

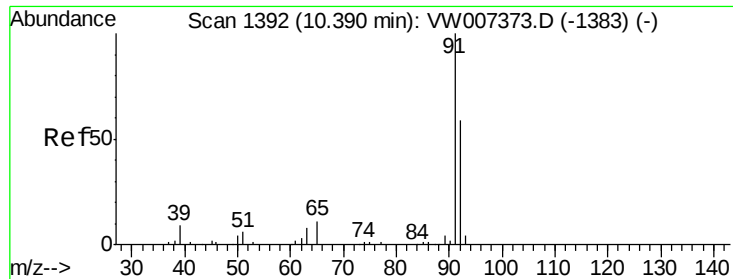
Tgt Ion: 41 Resp: 940
Ion Ratio Lower Upper
41 100
69 192.8 69.8 104.8#
39 111.4 50.9 76.3#



#50
Toluene-d8
Concen: 40.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion: 98 Resp: 99533
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8





#52

Toluene

Concen: 28.886 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

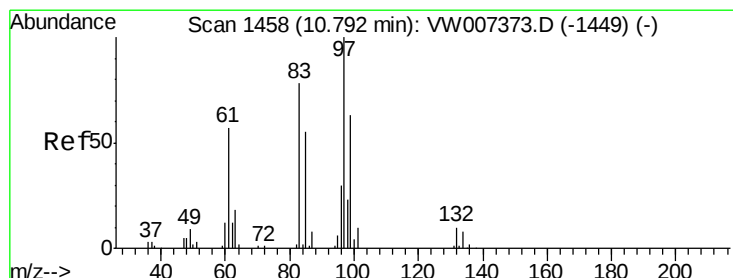
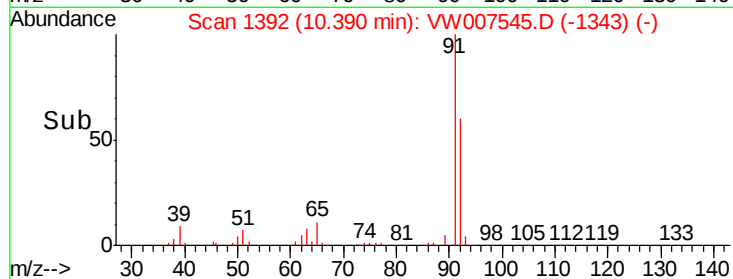
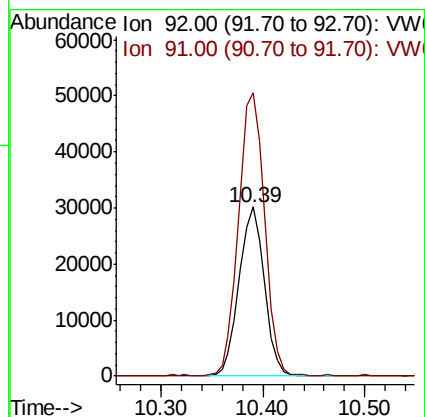
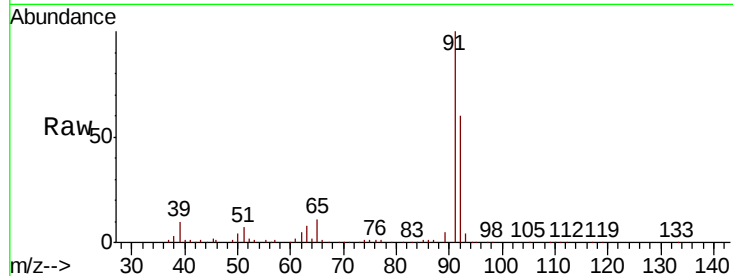
P001-SD001-0006-01

Tgt Ion: 92 Resp: 51681

Ion Ratio Lower Upper

92 100

91 171.0 136.2 204.2



#55

1,1,2-Trichloroethane

Concen: 7.820 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Tgt Ion: 97 Resp: 3867

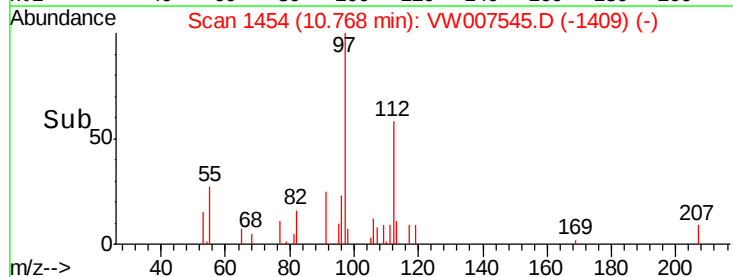
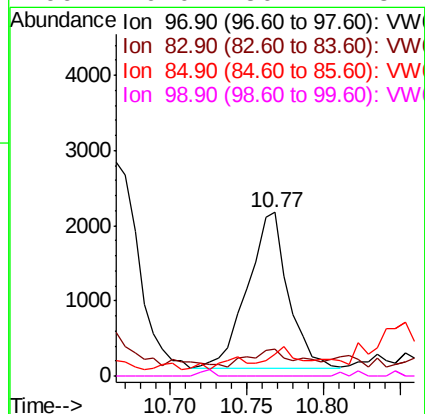
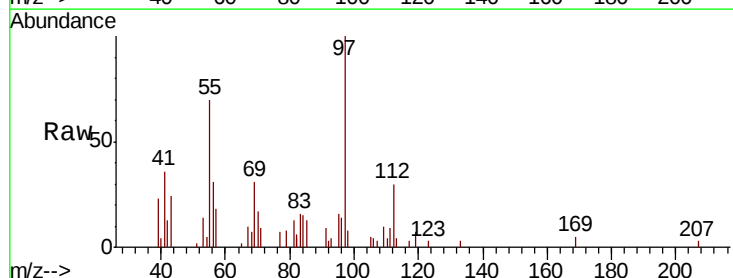
Ion Ratio Lower Upper

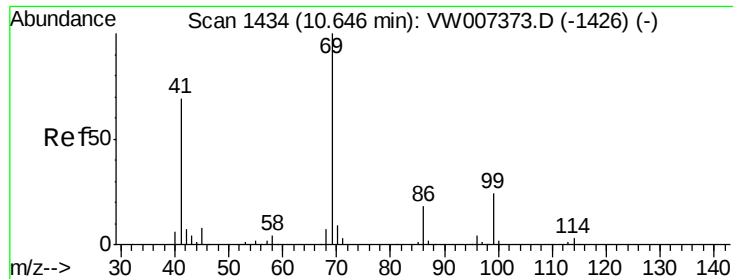
97 100

83 7.8 62.1 93.1#

85 8.7 44.2 66.4#

99 0.0 50.2 75.4#

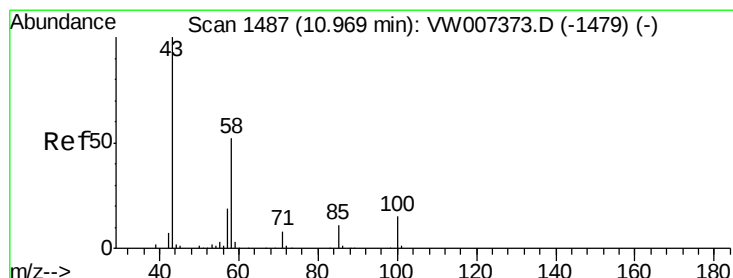
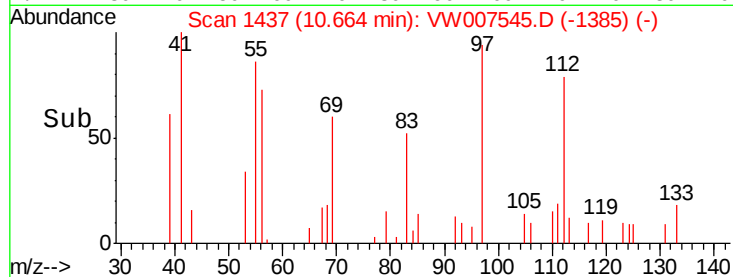
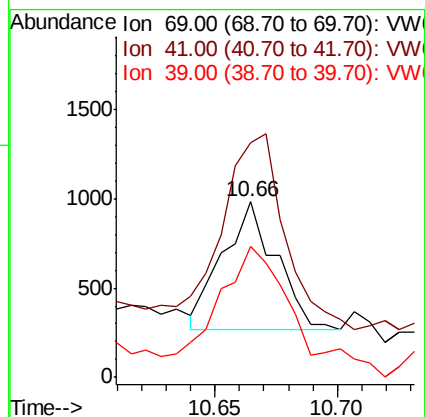
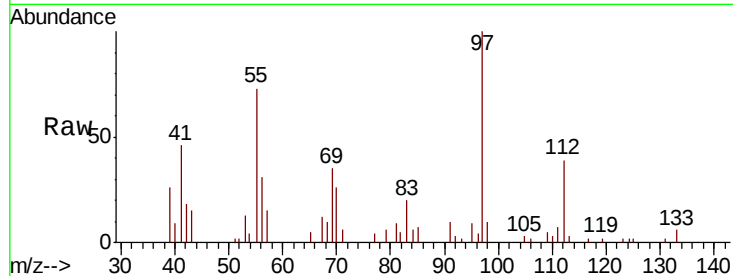




#56
Ethyl methacrylate
Concen: 1.812 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.02 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

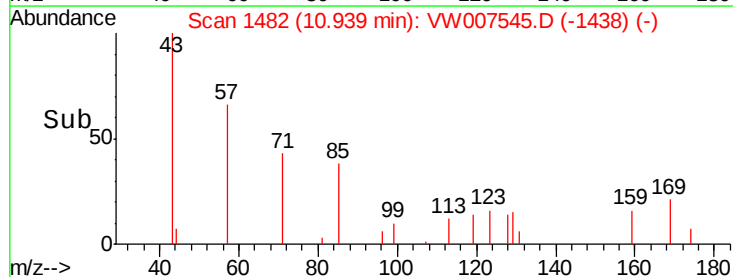
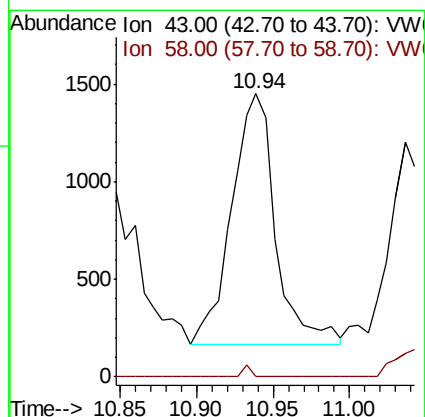
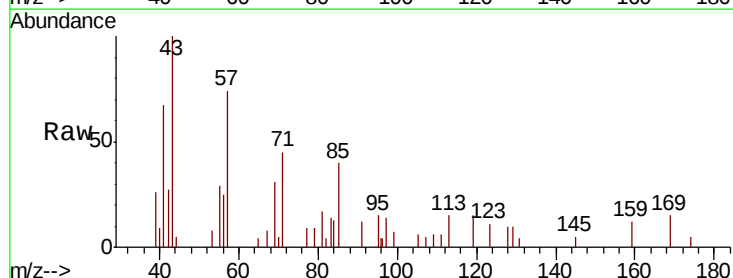
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

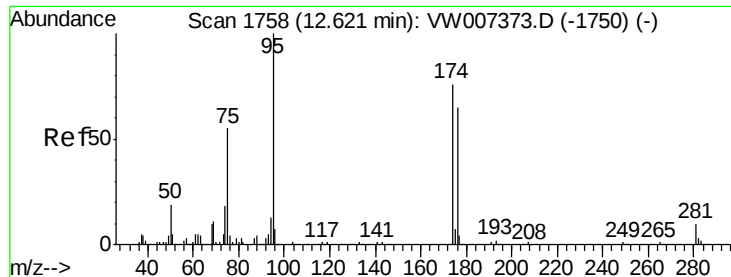
Tgt Ion: 69 Resp: 1077
Ion Ratio Lower Upper
69 100
41 181.1 51.0 76.6#
39 152.4 30.8 46.2#



#59
2-Hexanone
Concen: 10.950 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
58 0.9 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 25.758 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0006-01

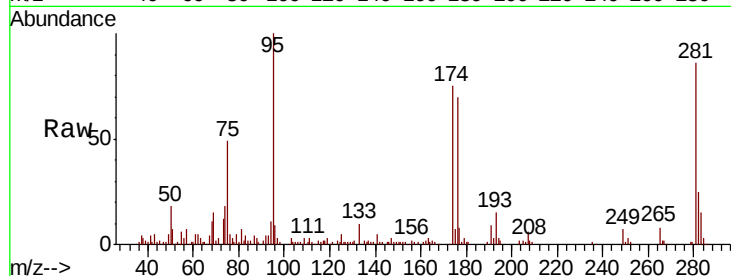
Tgt Ion: 95 Resp: 23474

Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.2

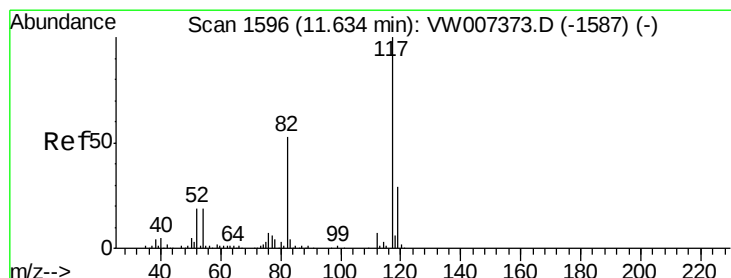
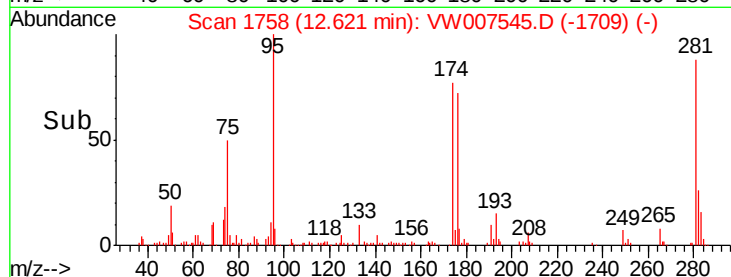
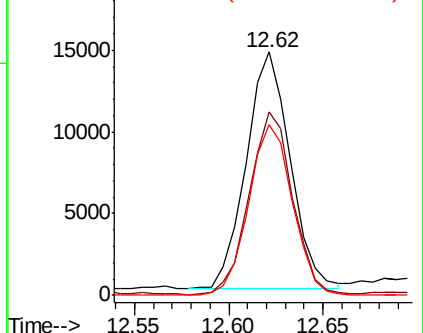
176 71.6 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

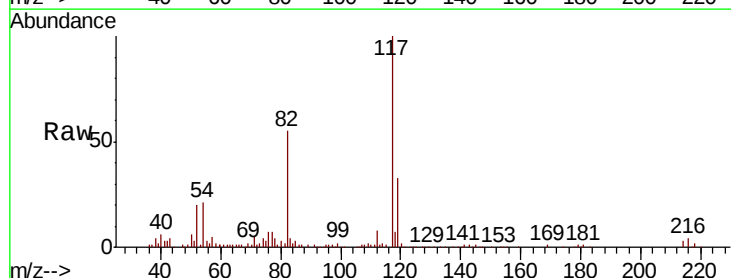
Tgt Ion: 117 Resp: 66763

Ion Ratio Lower Upper

117 100

82 54.2 42.3 63.5

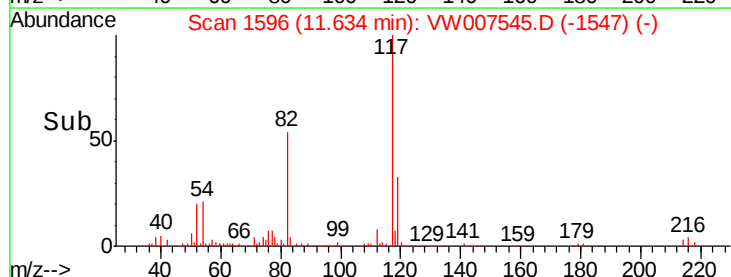
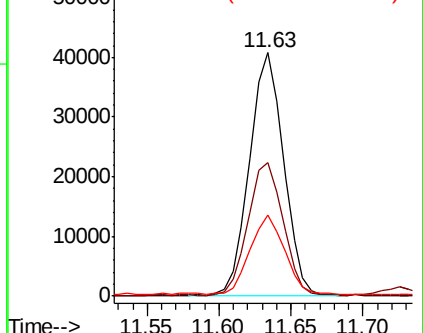
119 32.3 23.0 34.6

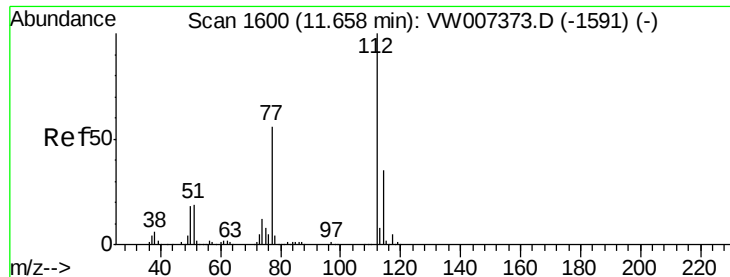


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

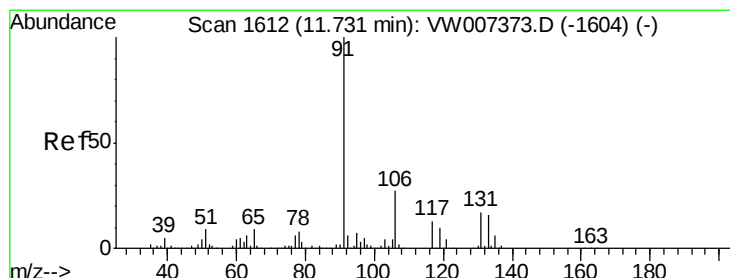
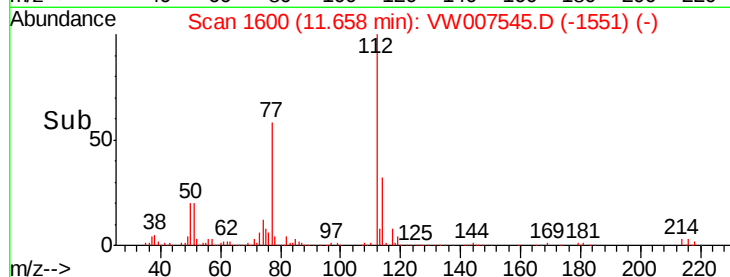
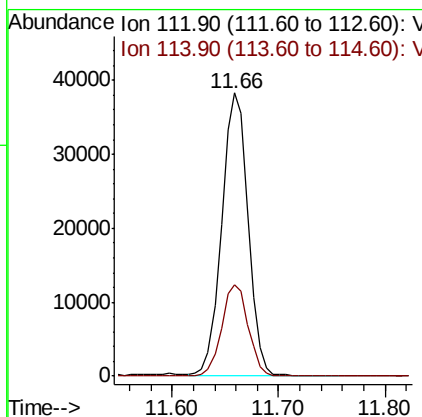
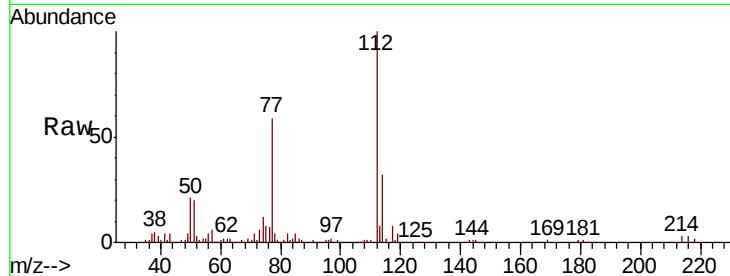




#65
Chlorobenzene
Concen: 47.324 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

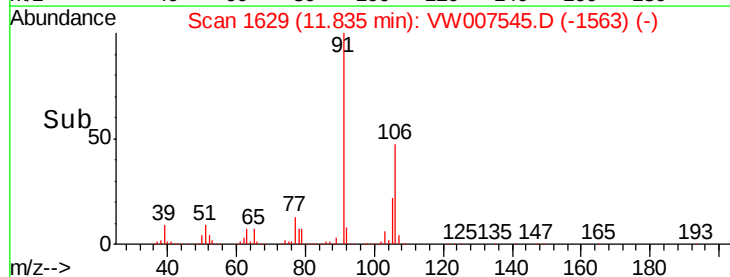
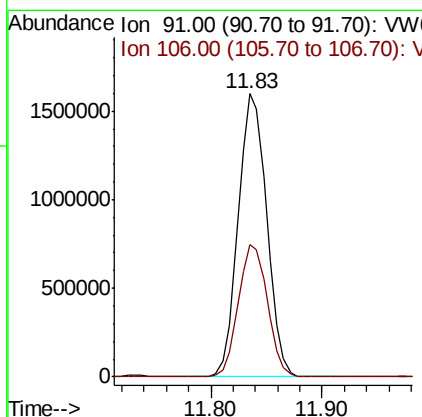
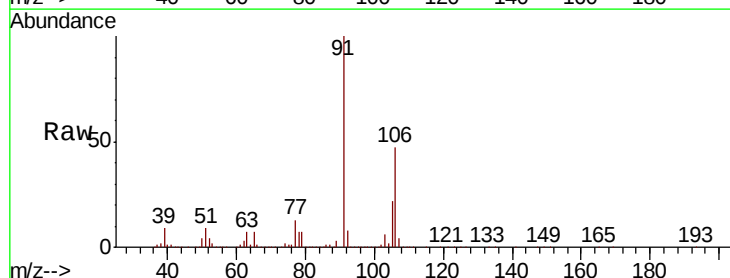
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

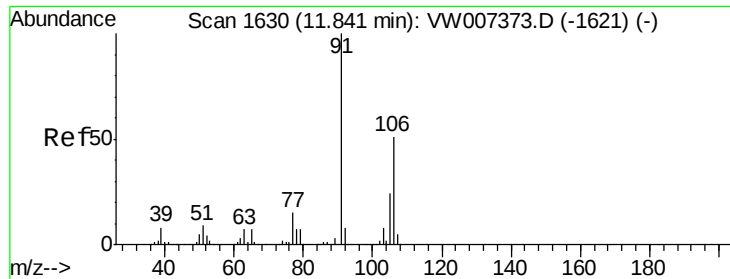
Tgt Ion: 112 Resp: 65854
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8



#67
Ethyl Benzene
Concen: 1184.494 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.10 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion: 91 Resp: 2833862
Ion Ratio Lower Upper
91 100
106 46.7 21.8 32.8#

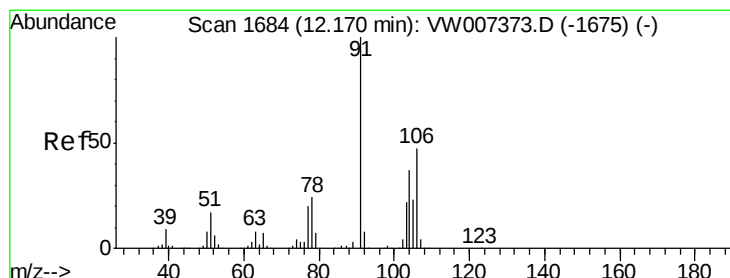
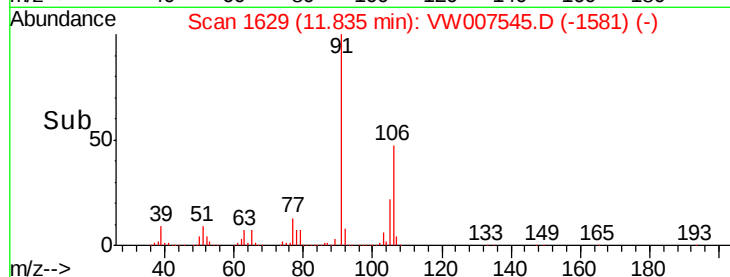
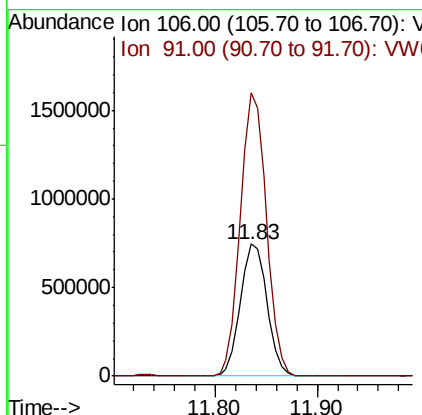
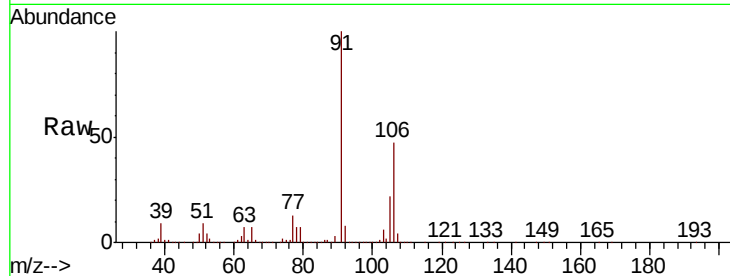




#68
m/p-Xylenes
Concen: 1447.675 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

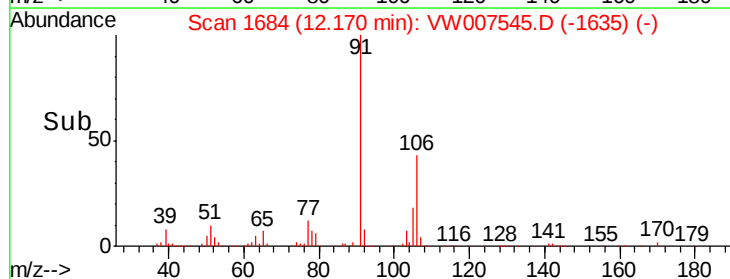
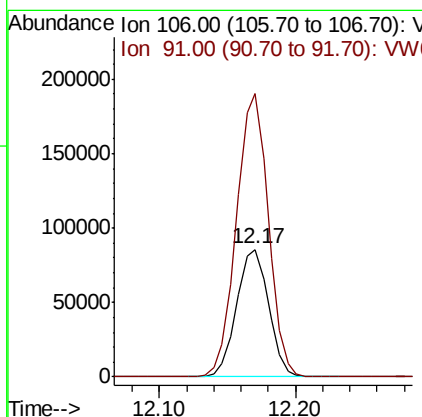
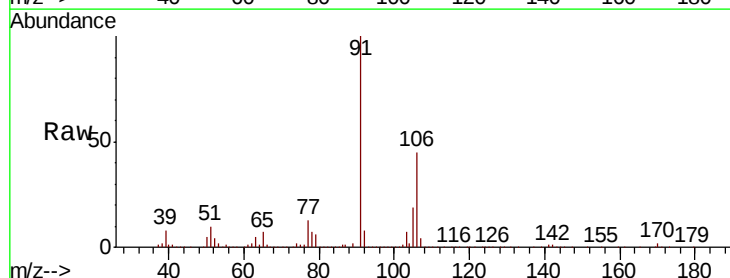
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

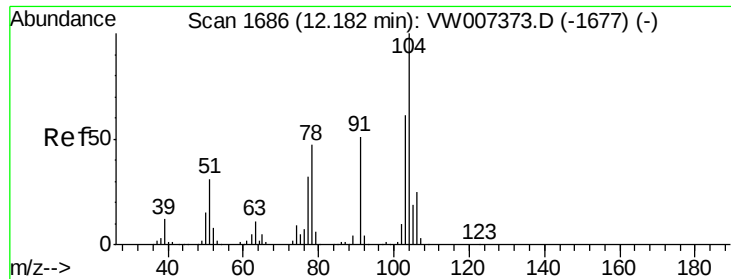
Tgt Ion:106 Resp: 1346463
Ion Ratio Lower Upper
106 100
91 210.5 165.3 247.9



#69
o-Xylene
Concen: 162.053 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion:106 Resp: 140766
Ion Ratio Lower Upper
106 100
91 220.0 106.6 319.8





#70

Styrene

Concen: 5.414 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0006-01

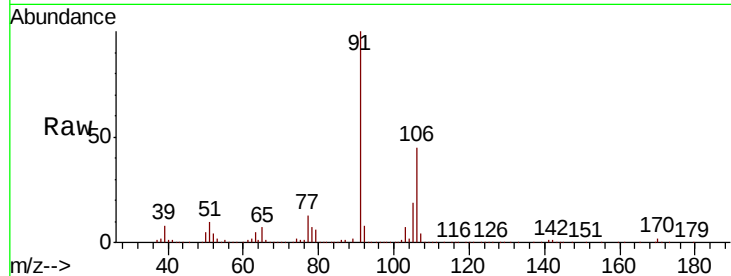
Tgt Ion:104 Resp: 7596

Ion Ratio Lower Upper

104 100

78 294.6 41.8 62.8#

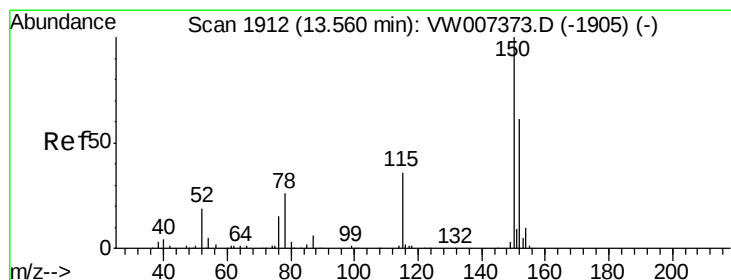
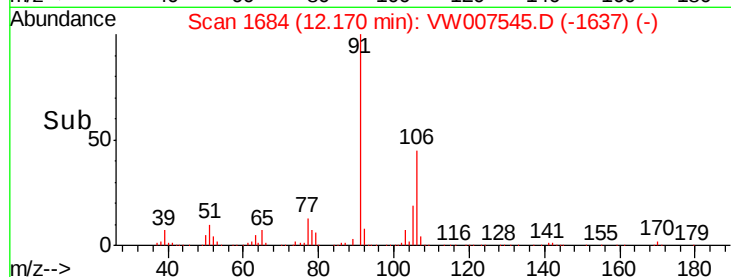
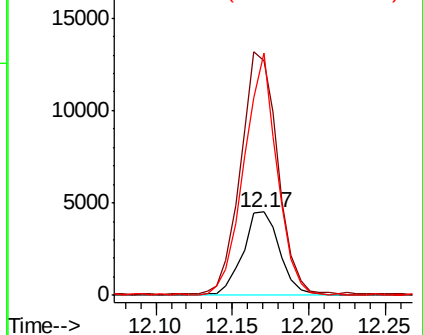
103 259.6 46.6 69.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

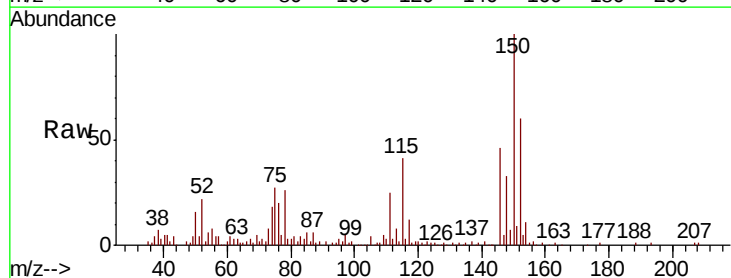
Tgt Ion:152 Resp: 19058

Ion Ratio Lower Upper

152 100

115 74.5 31.4 94.2

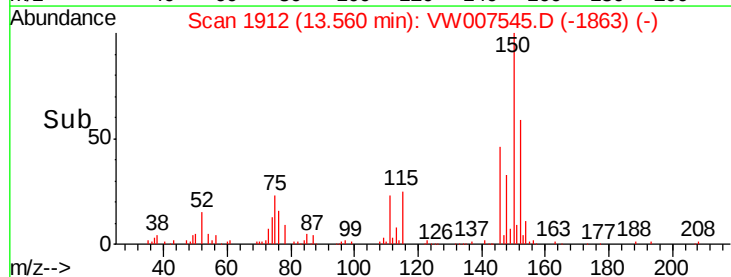
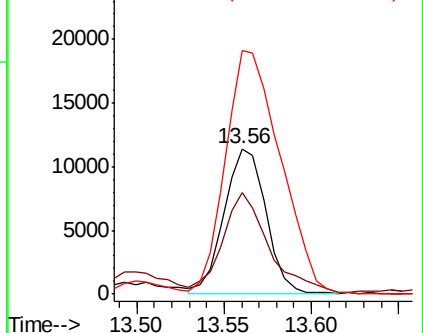
150 218.8 0.0 358.4

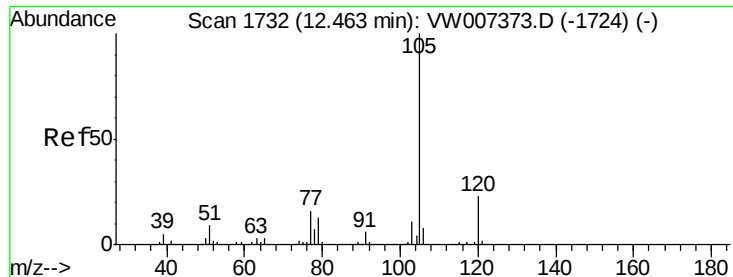


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.924 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

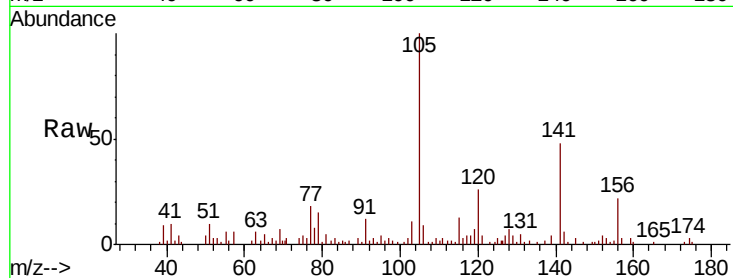
P001-SD001-0006-01

Tgt Ion: 105 Resp: 13031

Ion Ratio Lower Upper

105 100

120 26.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

8000

6000

4000

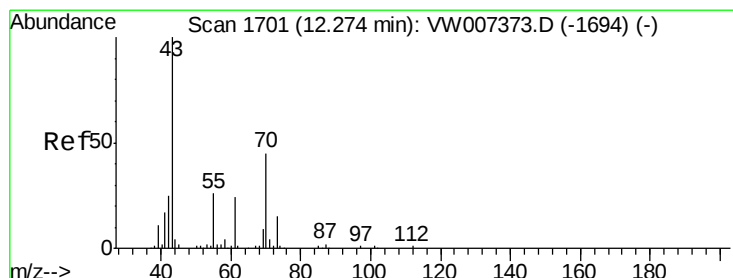
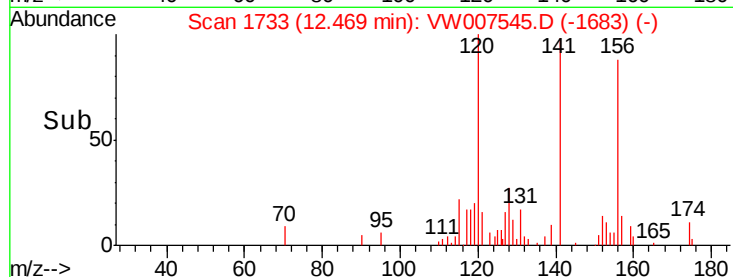
2000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 4.322 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Tgt Ion: 43 Resp: 1147

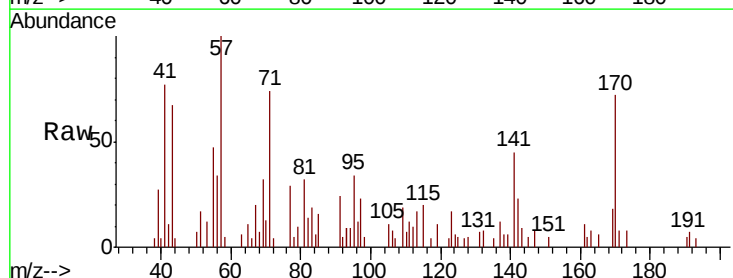
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#



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

1500

1000

500

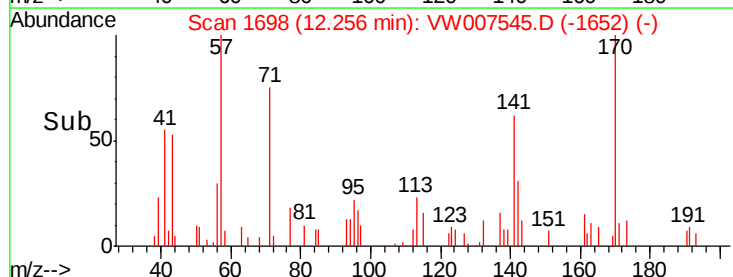
0

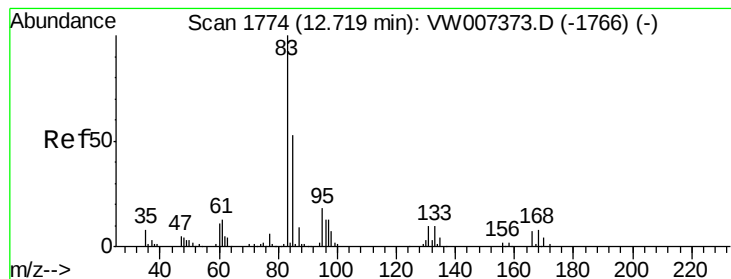
Time-->

12.20

12.25

12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 3.162 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.21 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0006-01

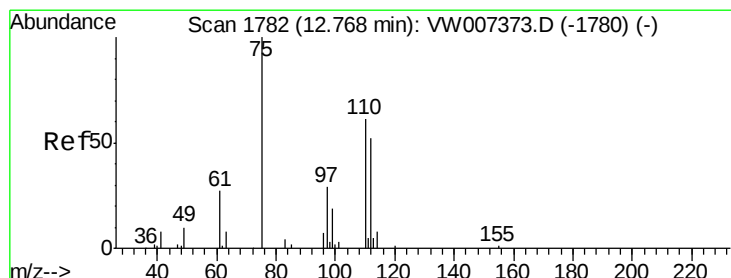
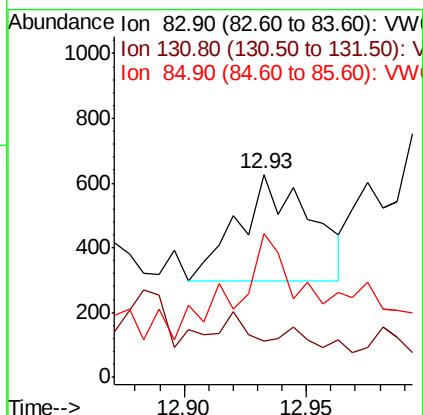
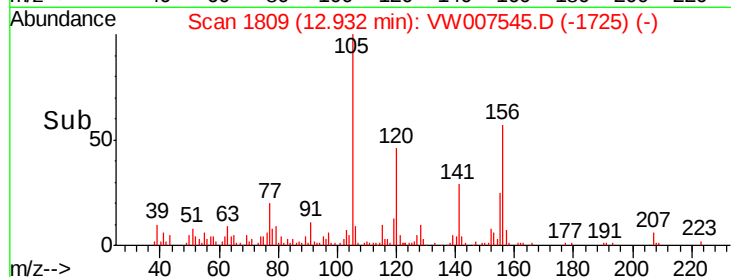
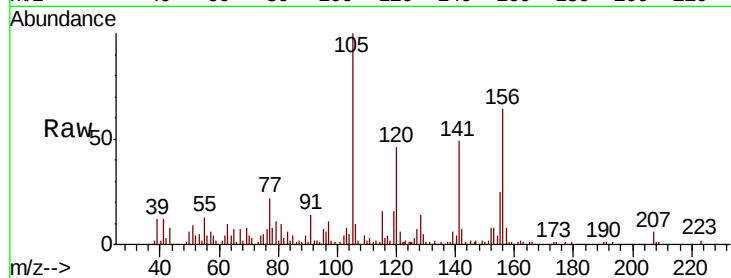
Tgt Ion: 83 Resp: 684

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.8

85 85.1 30.0 90.0



#76

1,2,3-Trichloropropane

Concen: 12.613 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.17 min

Lab File: VW007545.D

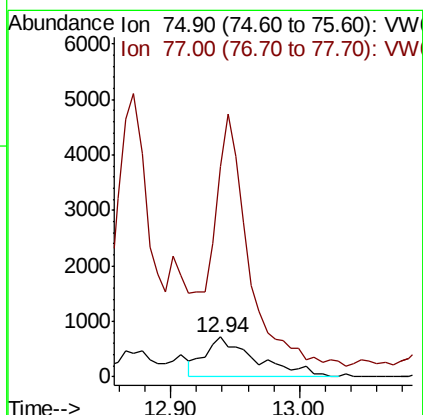
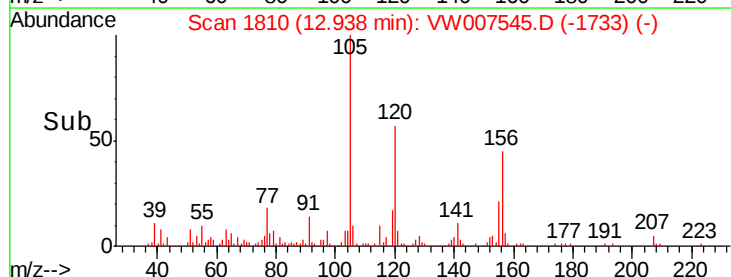
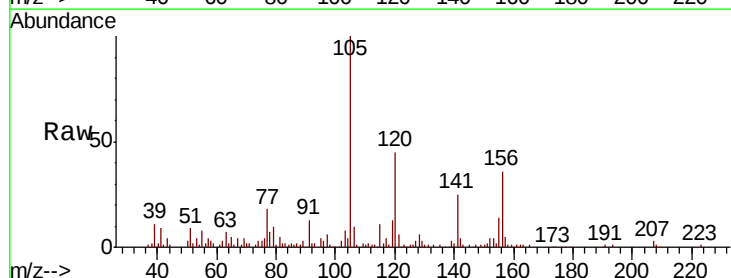
Acq: 14 Dec 2018 19:27

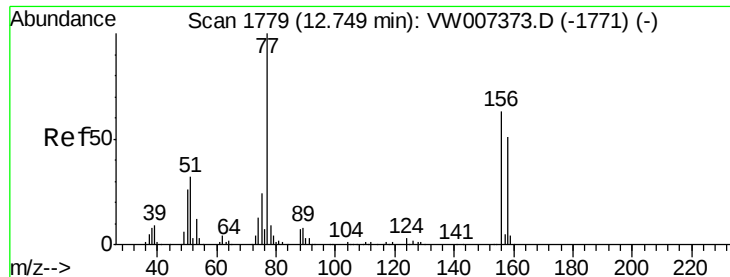
Tgt Ion: 75 Resp: 1982

Ion Ratio Lower Upper

75 100

77 403.7 166.9 500.8

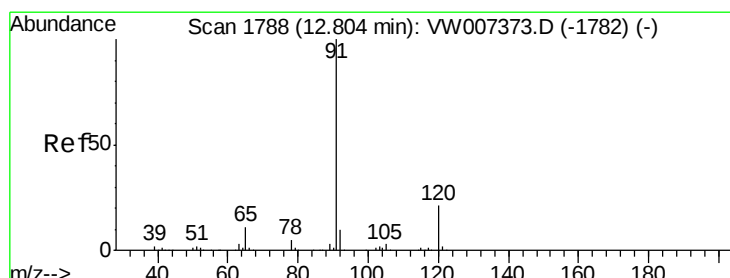
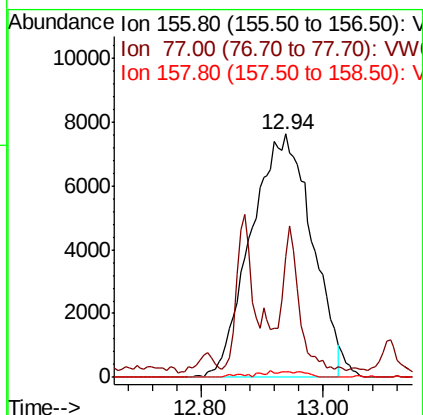
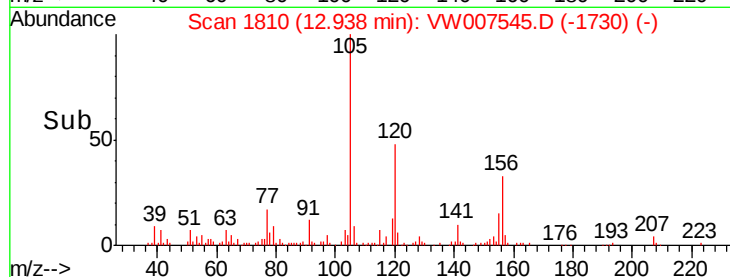
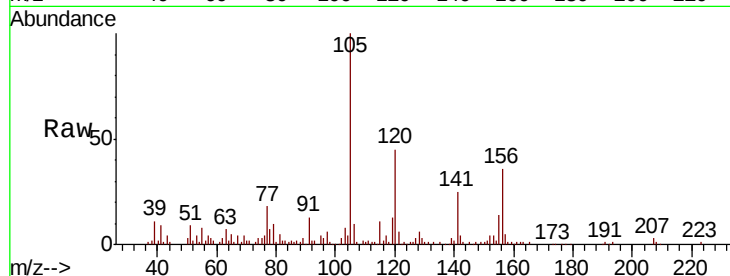




#77
Bromobenzene
Concen: 162.343 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. 0.19 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

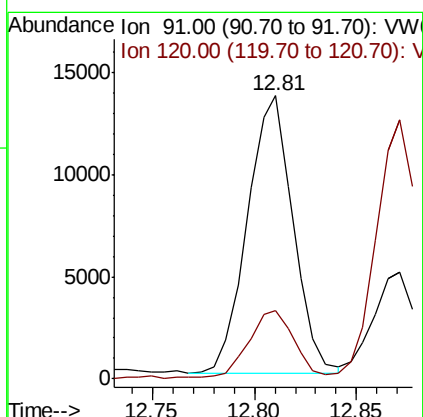
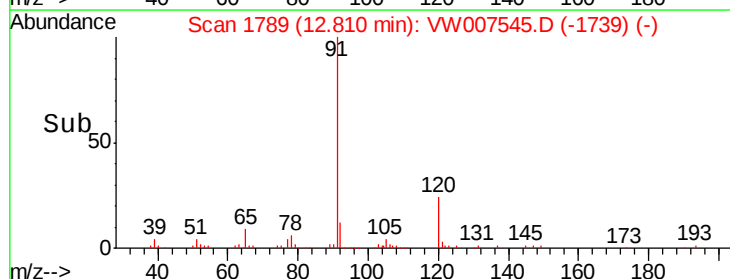
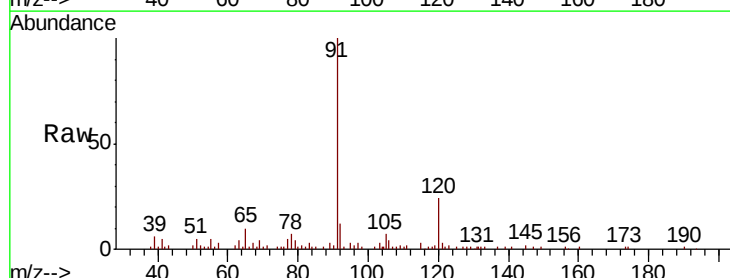
Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

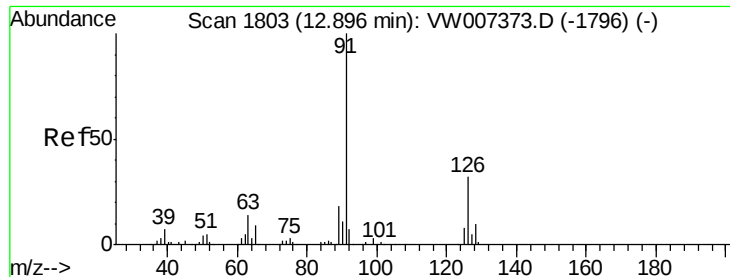
Tgt Ion:156 Resp: 52549
Ion Ratio Lower Upper
156 100
77 14.4 88.1 264.4#
158 0.2 45.6 136.7#



#78
n-propylbenzene
Concen: 12.829 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.01 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion: 91 Resp: 21084
Ion Ratio Lower Upper
91 100
120 25.4 11.9 35.5





#79

2-Chlorotoluene

Concen: 9.289 ug/l

RT: 12.87 min Scan# 1799

Delta R.T. -0.02 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

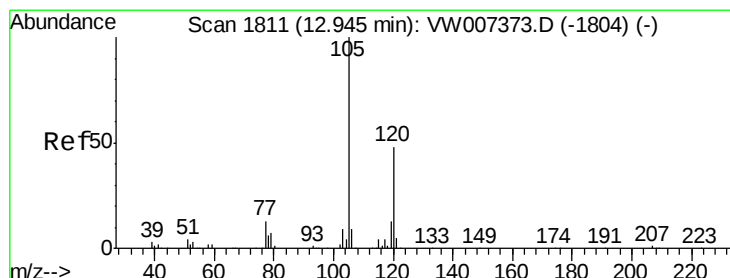
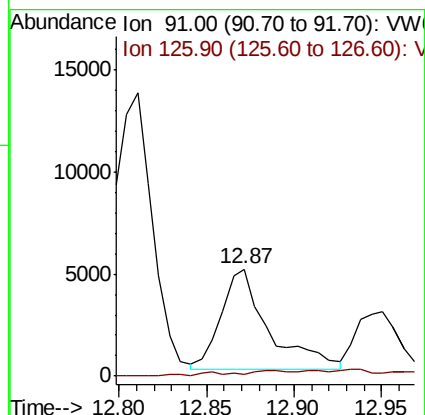
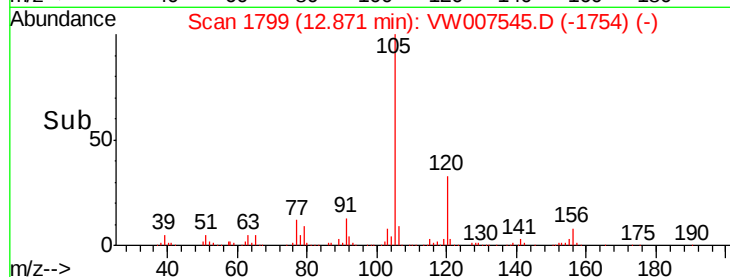
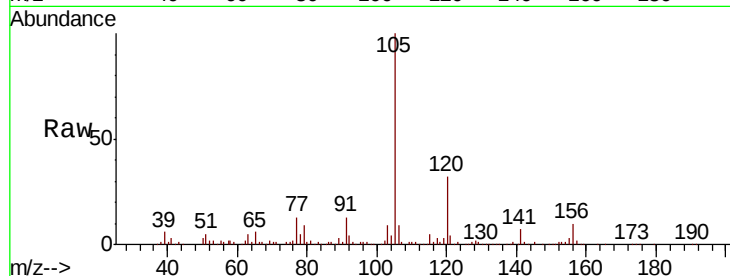
P001-SD001-0006-01

Tgt Ion: 91 Resp: 9237

Ion Ratio Lower Upper

91 100

126 3.8 15.9 47.6#



#80

1,3,5-Trimethylbenzene

Concen: 36.237 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007545.D

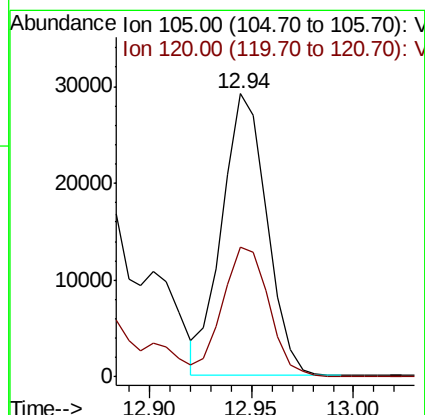
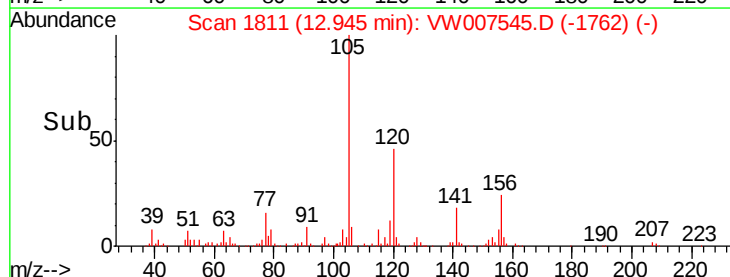
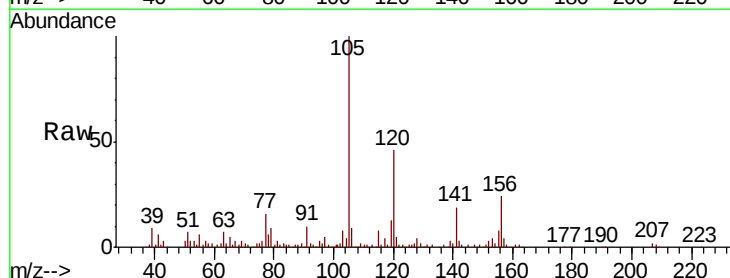
Acq: 14 Dec 2018 19:27

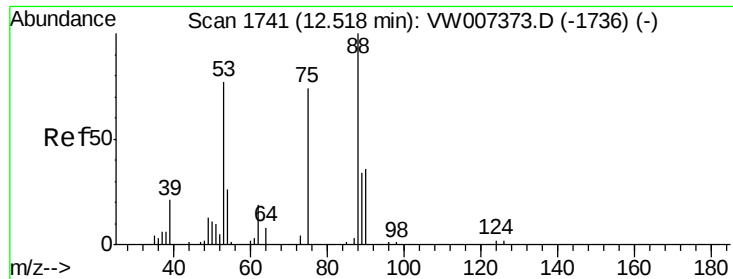
Tgt Ion:105 Resp: 44463

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 10.529 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0006-01

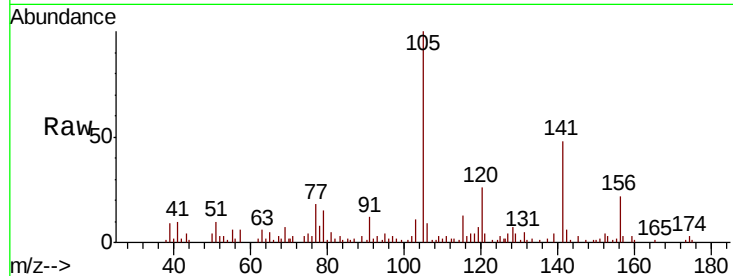
Tgt Ion: 75 Resp: 749

Ion Ratio Lower Upper

75 100

53 29.9 84.9 127.3#

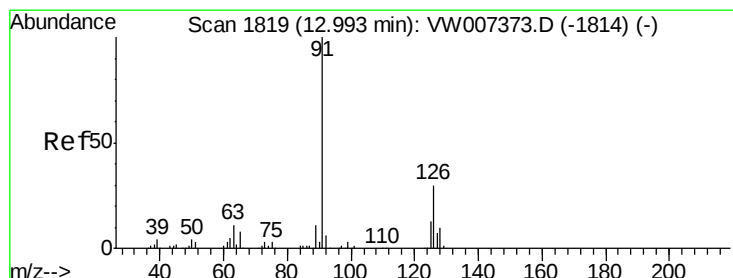
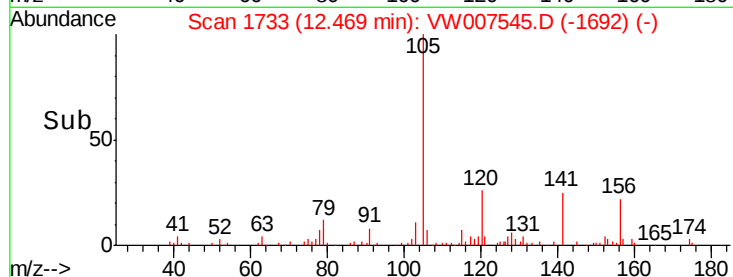
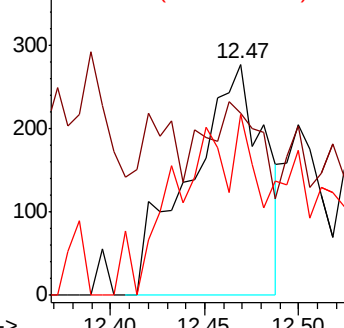
89 56.3 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 4.348 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.04 min

Lab File: VW007545.D

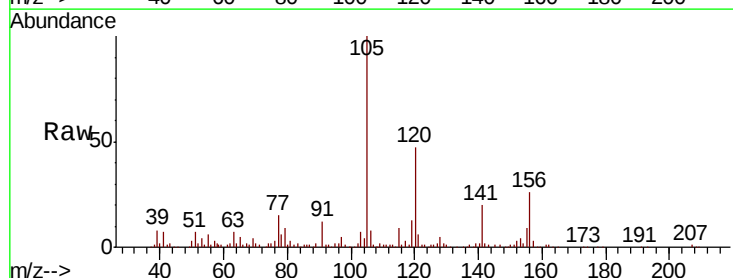
Acq: 14 Dec 2018 19:27

Tgt Ion: 91 Resp: 4558

Ion Ratio Lower Upper

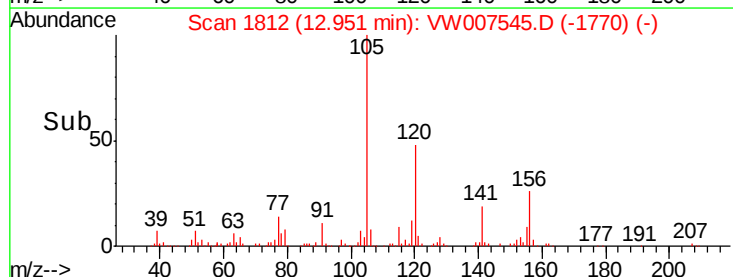
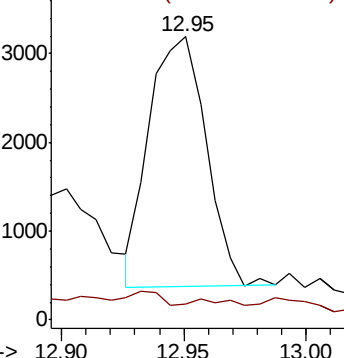
91 100

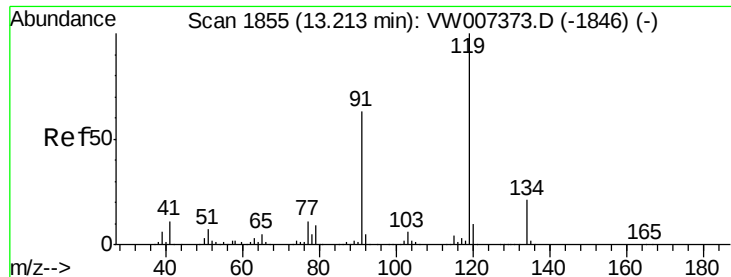
126 6.5 16.0 48.0#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

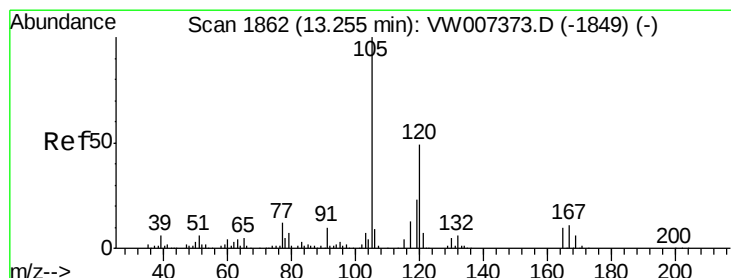
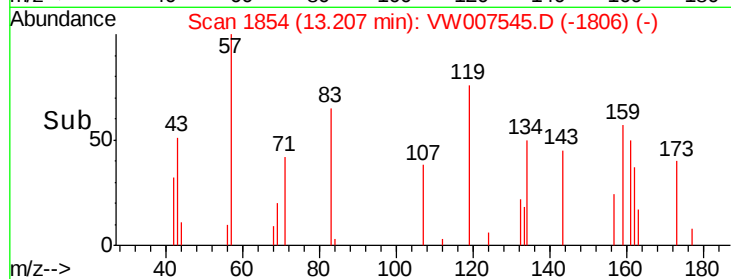
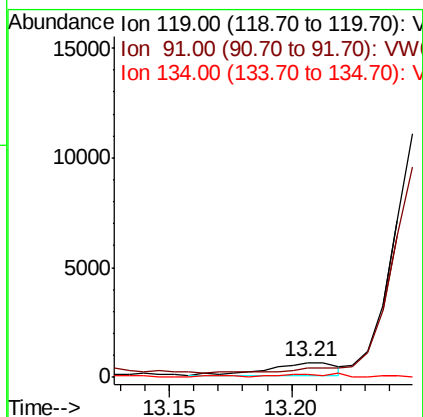
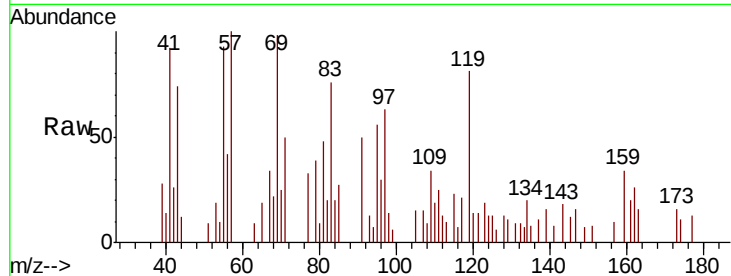




#83
 tert-Butylbenzene
 Concen: 1.062 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

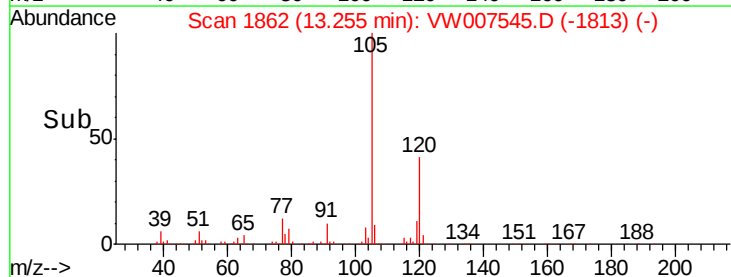
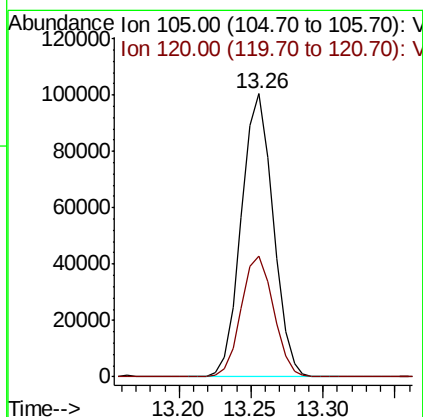
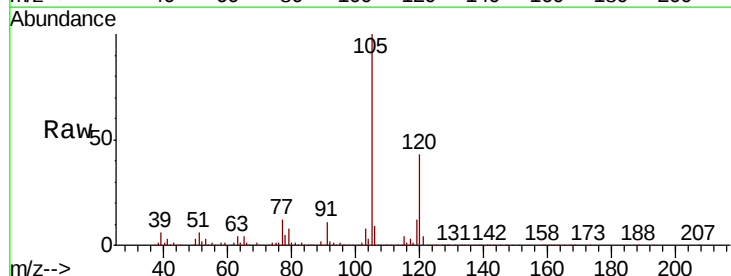
Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0006-01

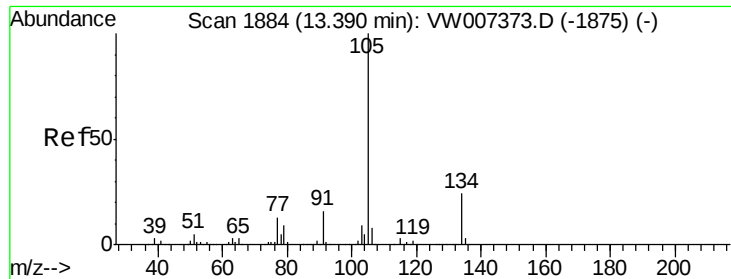
Tgt Ion:119 Resp: 1148
 Ion Ratio Lower Upper
 119 100
 91 0.0 33.1 99.2#
 134 22.9 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 121.658 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Tgt Ion:105 Resp: 153612
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.6 67.7

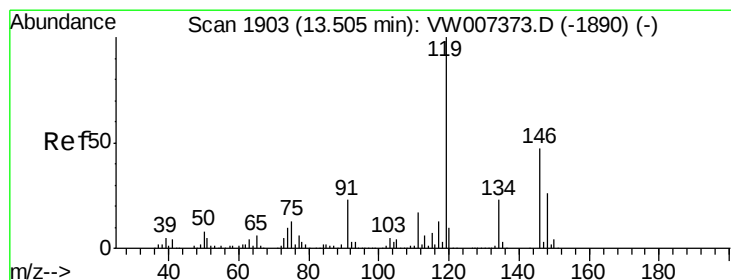
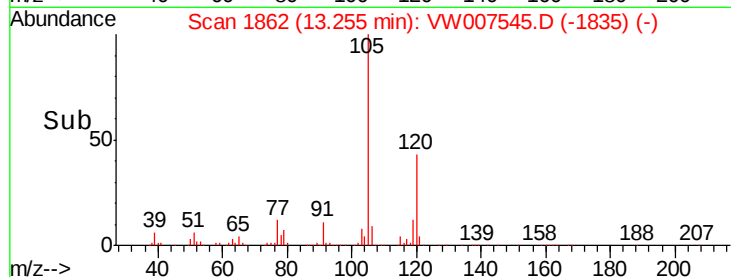
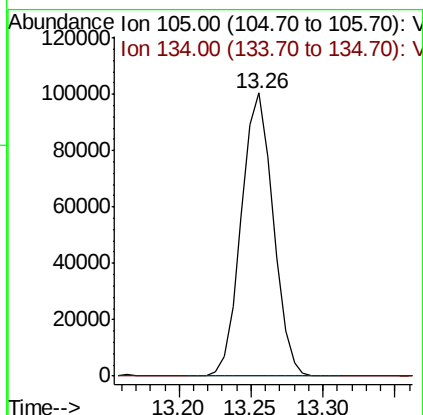
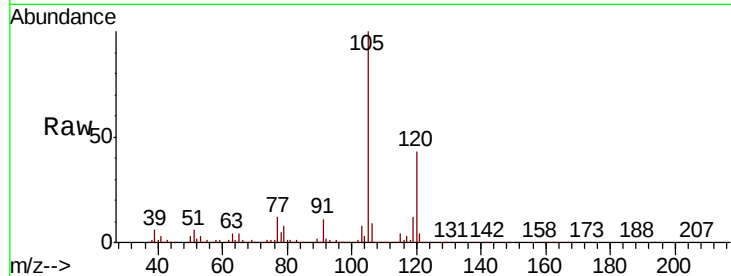




#85
 sec-Butylbenzene
 Concen: 104.078 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

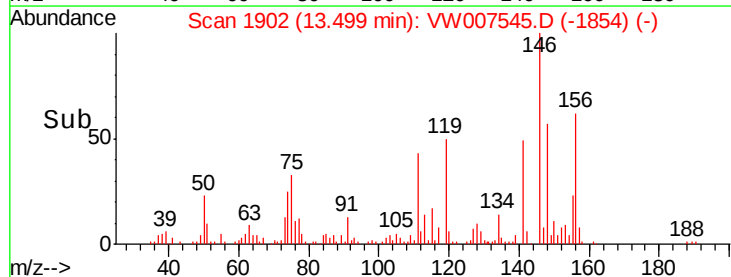
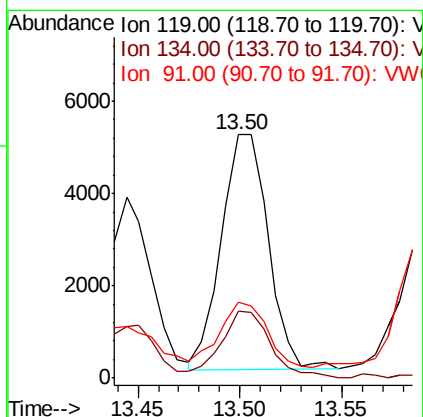
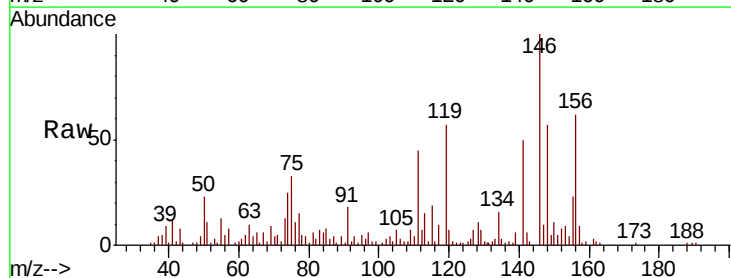
Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0006-01

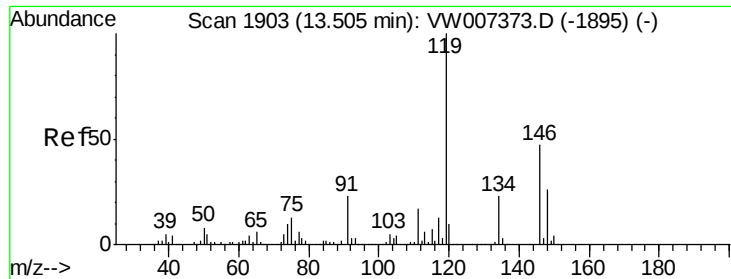
Tgt Ion:105 Resp: 153612
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#



#86
 p-Isopropyltoluene
 Concen: 6.130 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Tgt Ion:119 Resp: 8128
 Ion Ratio Lower Upper
 119 100
 134 30.1 12.9 38.7
 91 27.3 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 23.975 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

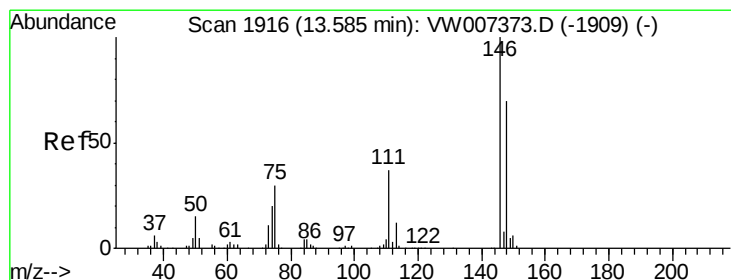
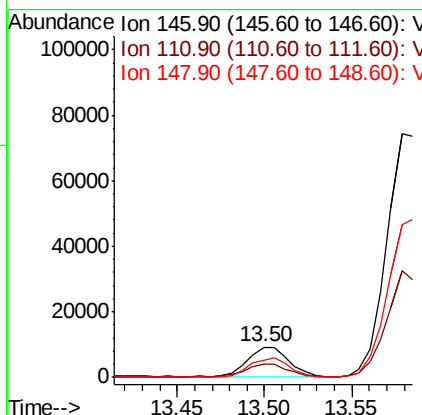
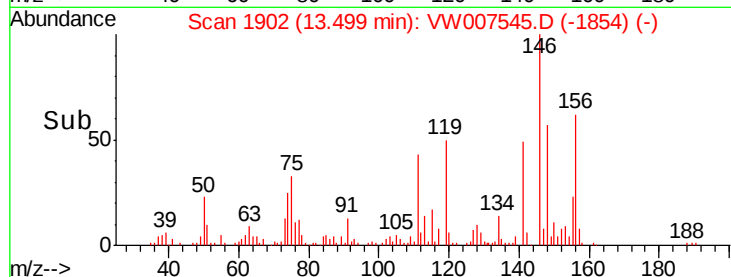
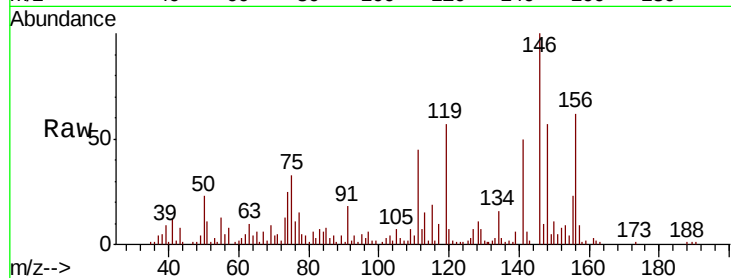
Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :
BNA_G
ClientSampleId :
P001-SD001-0006-01

Tgt Ion:146 Resp: 15473

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.1	60.3
148	62.7	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 188.344 ug/l

RT: 13.58 min Scan# 1915

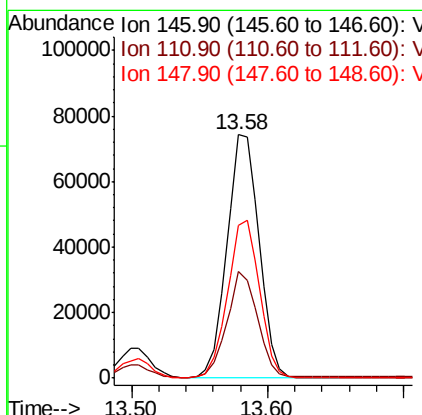
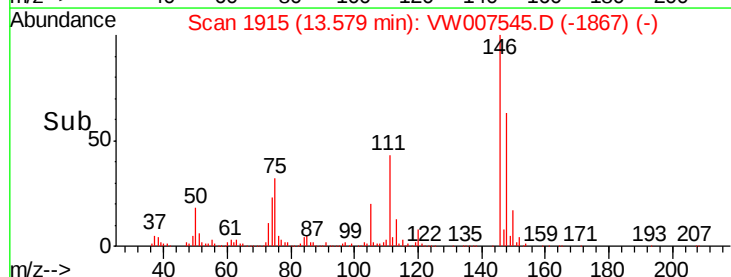
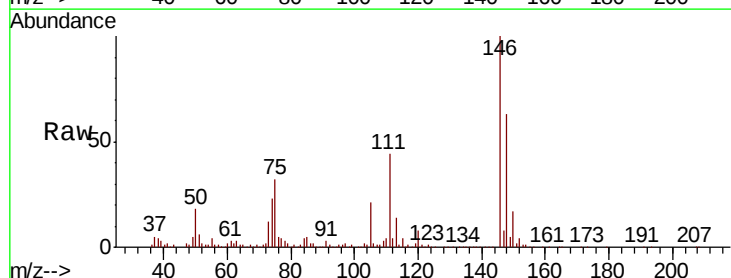
Delta R.T. -0.01 min

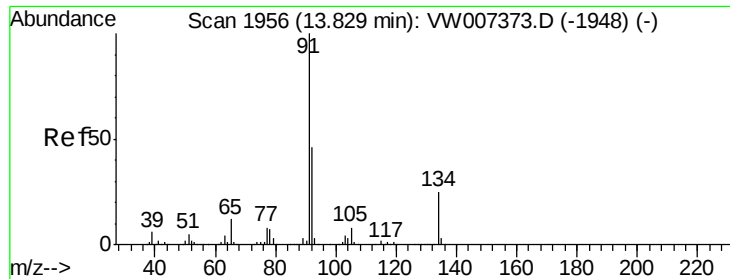
Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Tgt Ion:146 Resp: 122200

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.3	33.5	100.5





#89

n-Butylbenzene

Concen: 3.123 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

BNA_G

ClientSampleId :

P001-SD001-0006-01

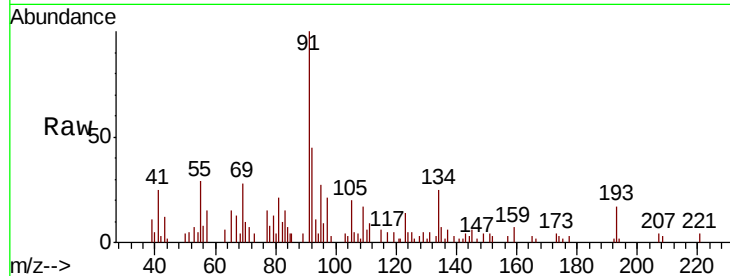
Tgt Ion: 91 Resp: 3839

Ion Ratio Lower Upper

91 100

92 71.3 25.7 77.1

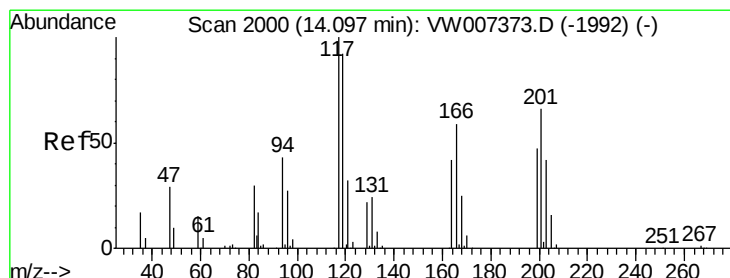
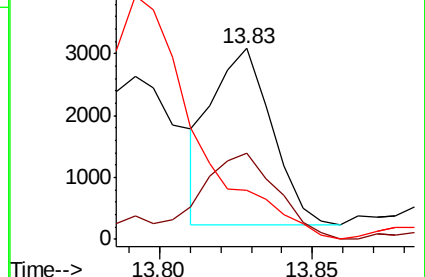
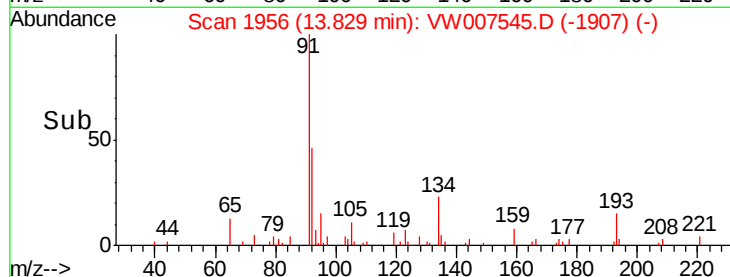
134 0.0 13.4 40.2#



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): VW



#90

Hexachloroethane

Concen: 8.253 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW007545.D

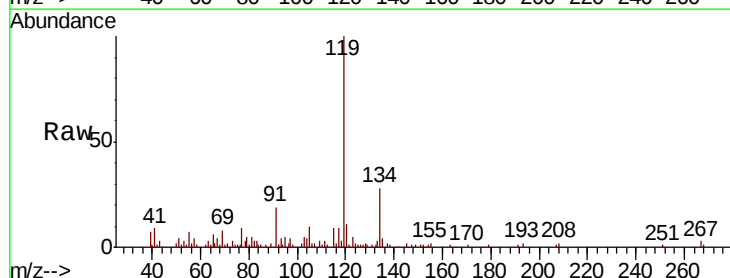
Acq: 14 Dec 2018 19:27

Tgt Ion: 117 Resp: 1947

Ion Ratio Lower Upper

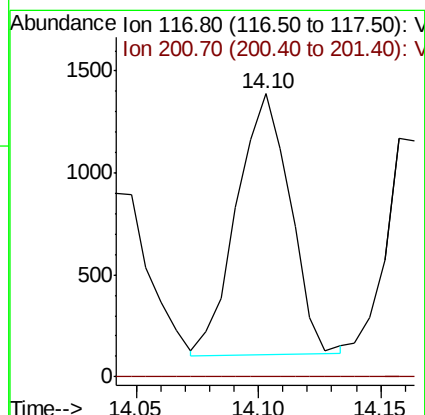
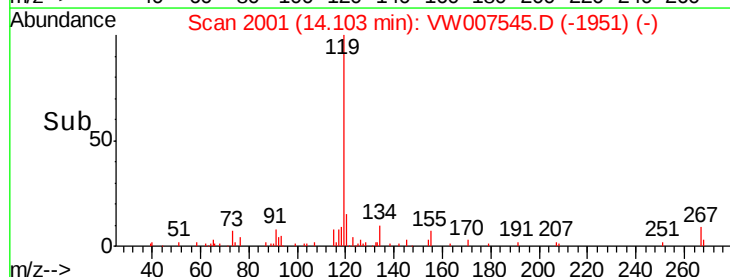
117 100

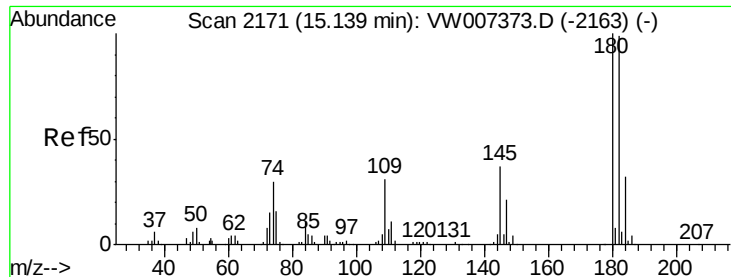
201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): VW

Ion 200.70 (200.40 to 201.40): VW

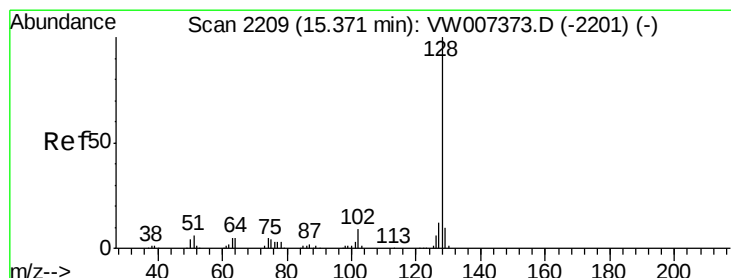
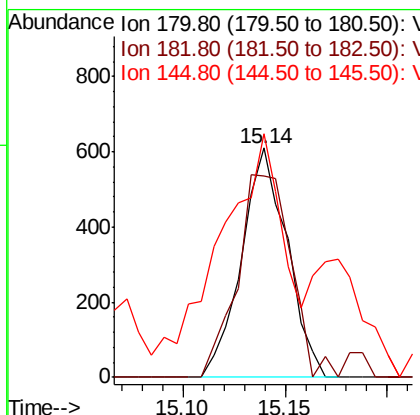
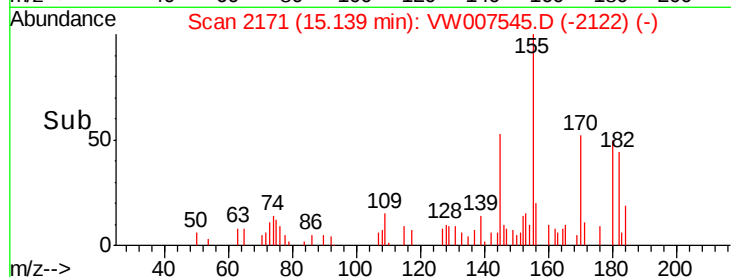
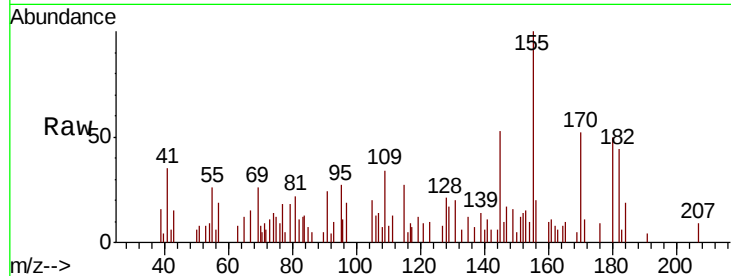




#93
 1,2,4-Trichlorobenzene
 Concen: 2.386 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Instrument :
 BNA_G
 ClientSampleId :
 P001-SD001-0006-01

Tgt Ion:180 Resp: 949
 Ion Ratio Lower Upper
 180 100
 182 103.6 49.9 149.6
 145 151.2 17.8 53.4#



#95
 Naphthalene
 Concen: 22.465 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

Tgt Ion:128 Resp: 17096
 Ion Ratio Lower Upper
 128 100
 127 15.1 10.2 15.4
 129 13.0 8.3 12.5#

