

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006561.D
 Acq On : 01 Nov 2018 16:06
 Operator : SY/AP
 Sample : J5665-03
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-07A

Quant Time: Nov 01 16:58:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	172880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	23918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57119	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.89	113	57727	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.33	98	174627	42.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.56%	
62) 4-Bromofluorobenzene	12.62	95	29426	19.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.30%	

Target Compounds

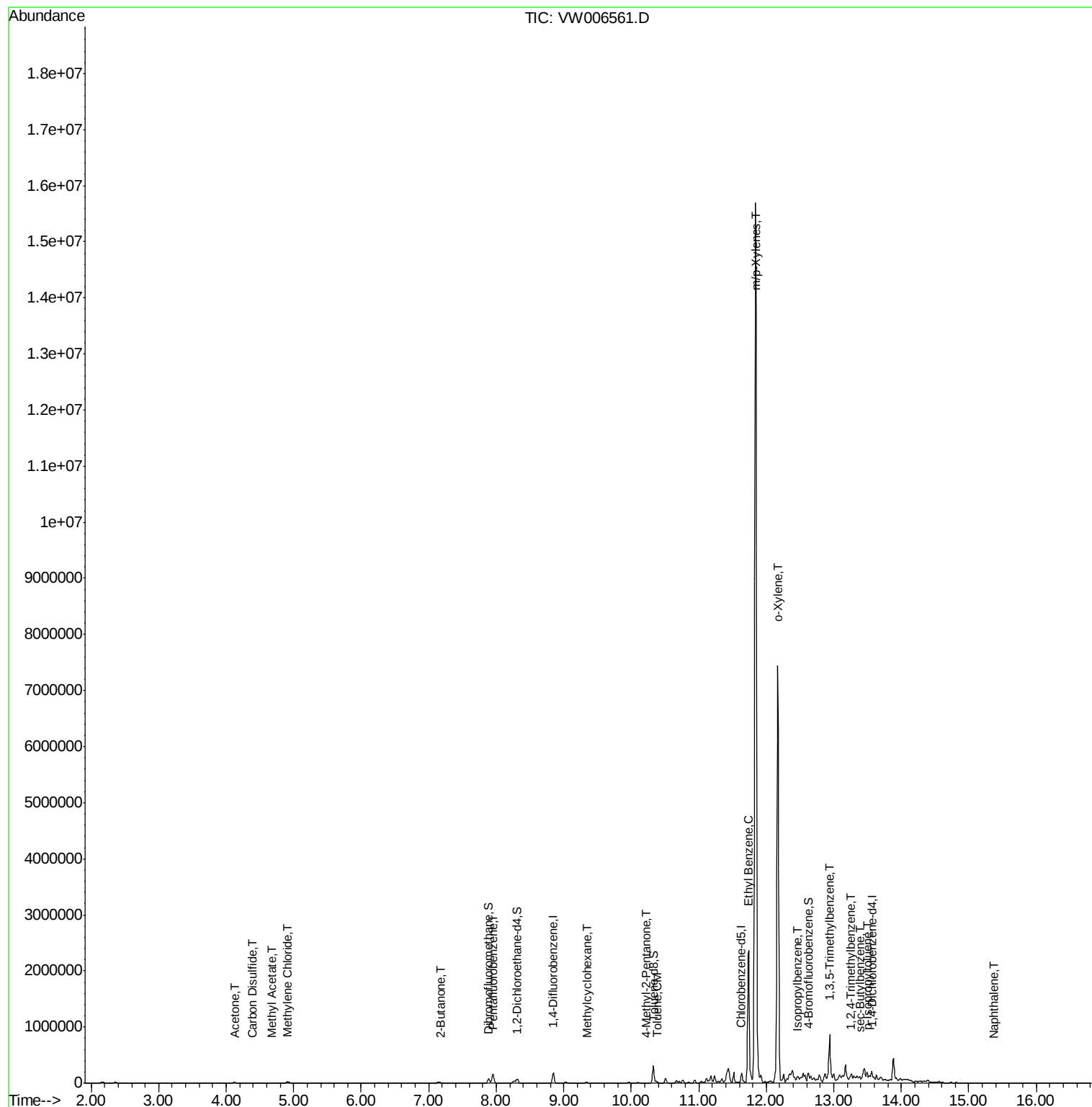
						Qvalue
16) Acetone	4.12	43	21884	121.623	ug/l	98
17) Carbon Disulfide	4.38	76	9824	3.264	ug/l	96
18) Methyl Acetate	4.67	43	11018	21.295	ug/l	100
20) Methylene Chloride	4.91	84	21705	14.355	ug/l	96
25) 2-Butanone	7.18	43	4462	17.378	ug/l	98
39) Methylcyclohexane	9.34	83	7074	3.667	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3199	5.925	ug/l	96
52) Toluene	10.39	92	10588	3.656	ug/l	96
67) Ethyl Benzene	11.74	91	1685268	446.517	ug/l	99
68) m/p-Xylenes	11.84	106	4961861	3290.580	ug/l	95
69) o-Xylene	12.17	106	2021114	1407.902	ug/l	99
73) Isopropylbenzene	12.47	105	27766	17.622	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	30118	22.753	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	55825	41.116	ug/l	100
85) sec-Butylbenzene	13.39	105	2614	1.581	ug/l	79
86) p-Isopropyltoluene	13.51	119	2016	1.340	ug/l	93
95) Naphthalene	15.38	128	1887	2.185	ug/l #	96

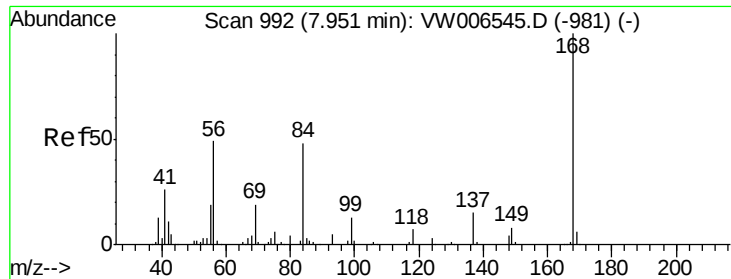
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

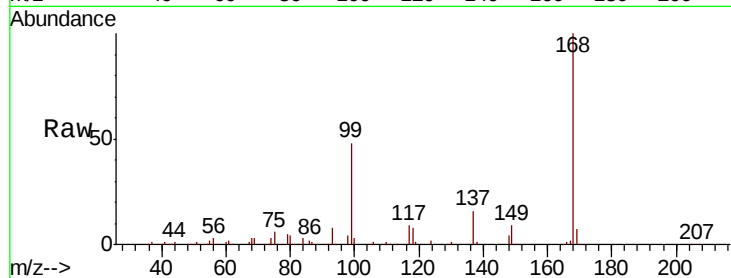
DL-07A

Tot Ion:168 Resp: 129652

Ion Ratio Lower Upper

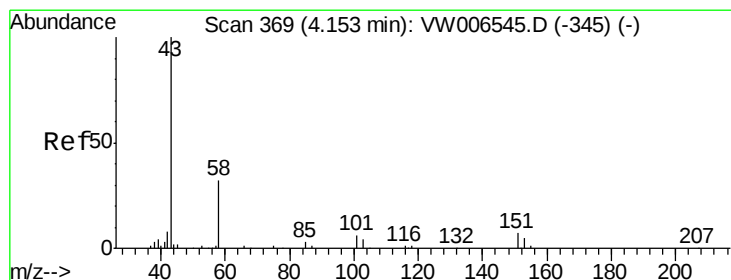
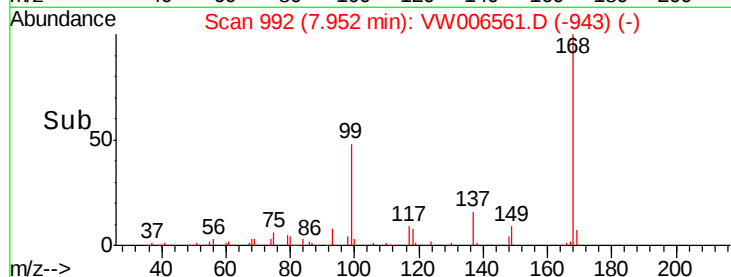
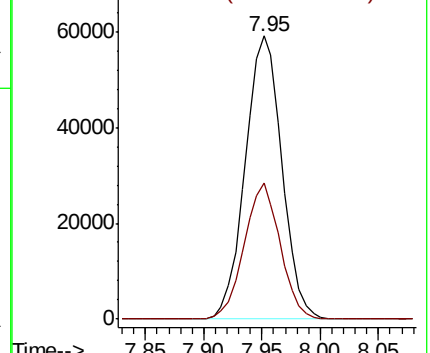
168 100

99 48.1 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 121.623 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006561.D

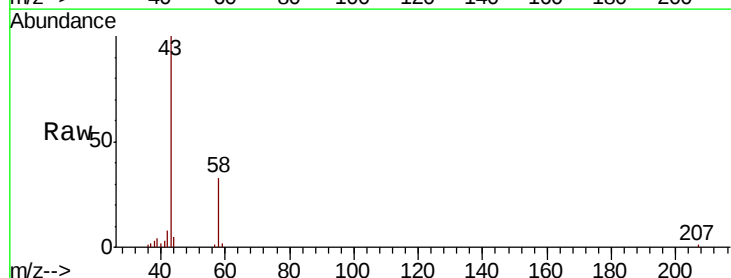
Acq: 01 Nov 2018 16:06

Tgt Ion: 43 Resp: 21884

Ion Ratio Lower Upper

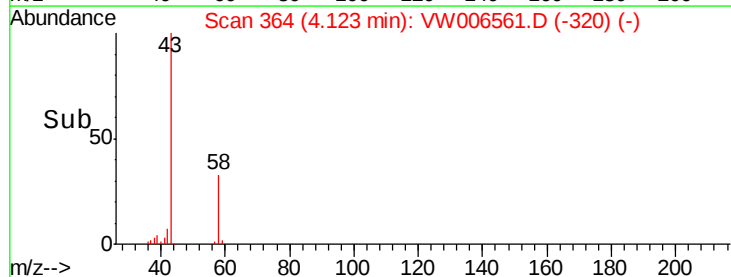
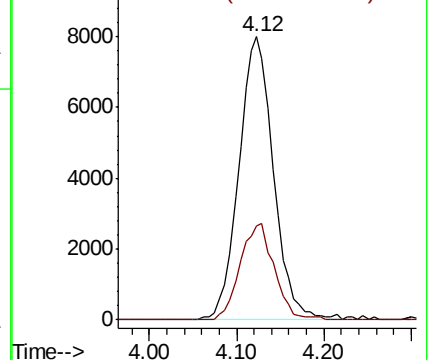
43 100

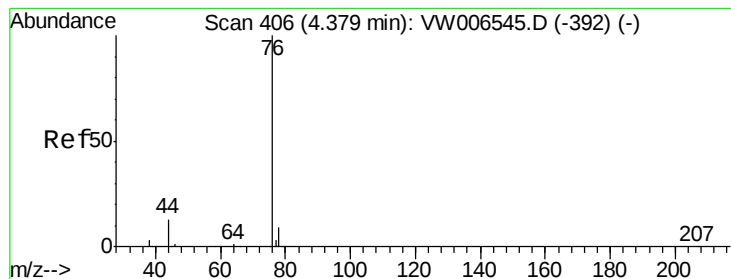
58 33.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 3.264 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

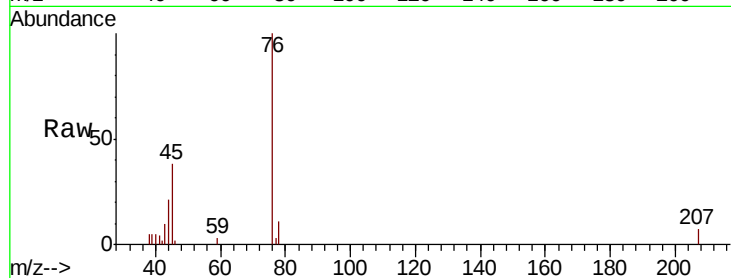
DL-07A

Tot Ion: 76 Resp: 9824

Ion Ratio Lower Upper

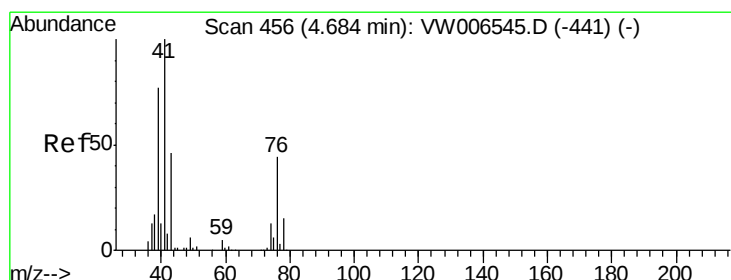
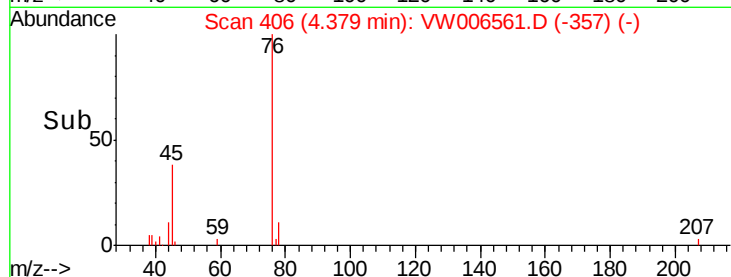
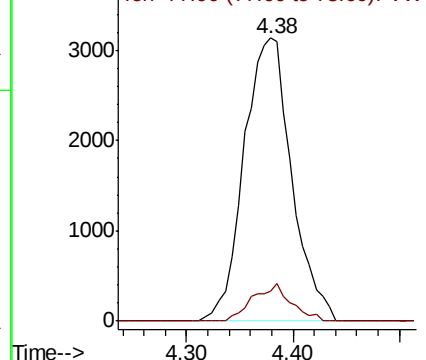
76 100

78 10.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.295 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006561.D

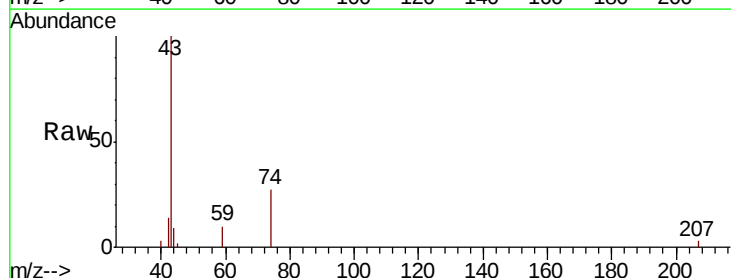
Acq: 01 Nov 2018 16:06

Tgt Ion: 43 Resp: 11018

Ion Ratio Lower Upper

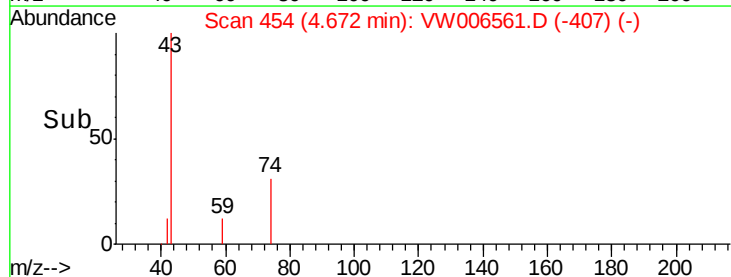
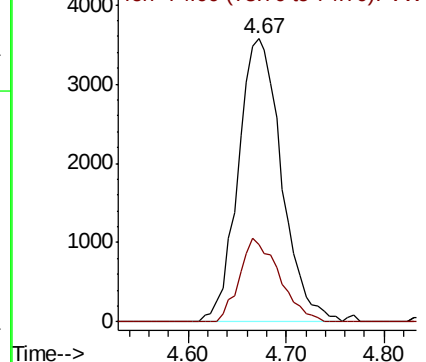
43 100

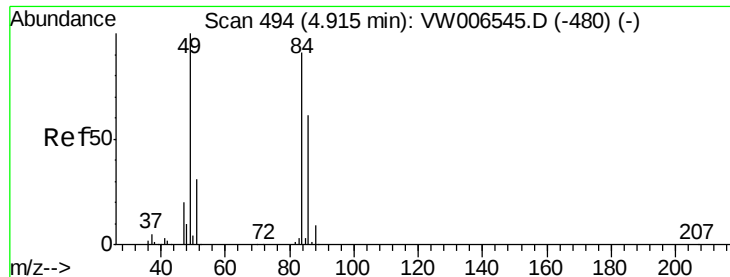
74 27.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

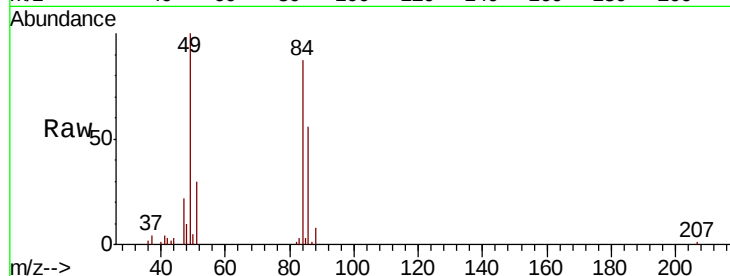




#20
Methvlene Chloride
Concen: 14.355 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampled :
DL-07A

Tot Ion:	84	Resp:	21705
Ion	Ratio	Lower	Upper
84	100		
49	114.9	88.2	132.4
51	35.0	27.0	40.6
86	64.3	53.8	80.8



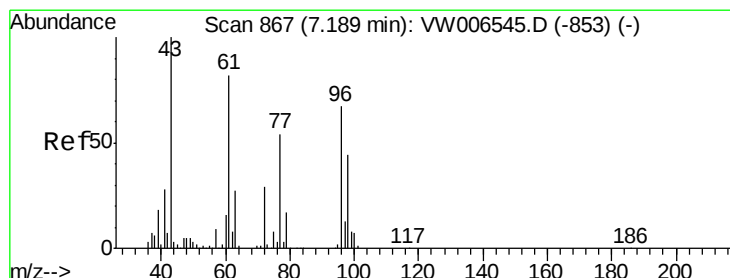
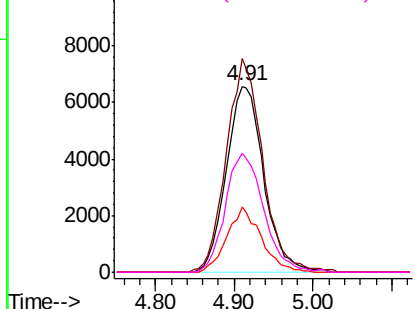
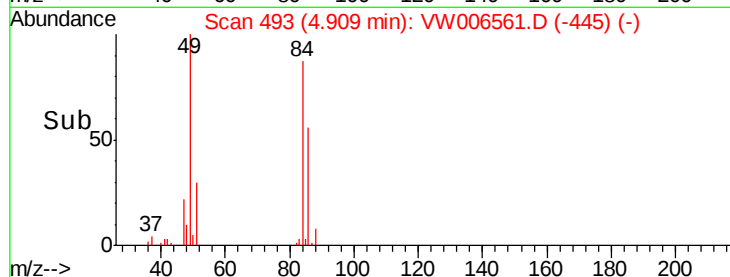
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

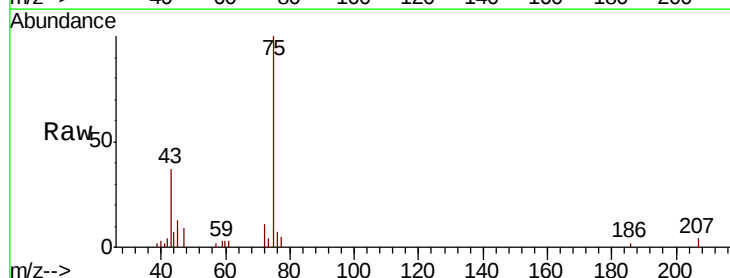
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 17.378 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

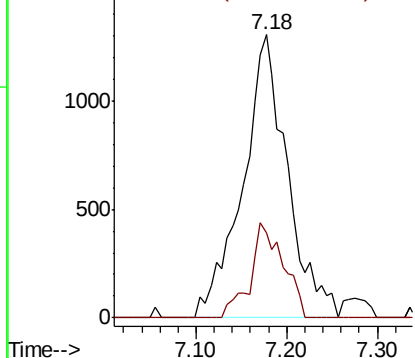
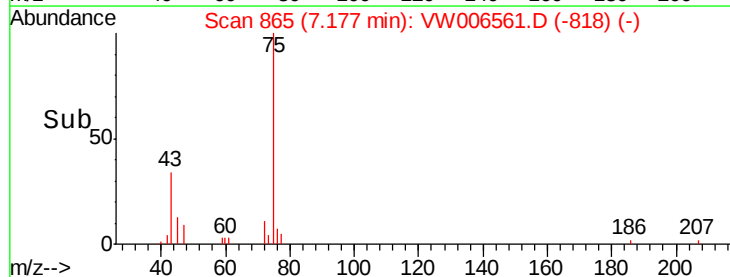
Tgt Ion:	43	Resp:	4462
Ion	Ratio	Lower	Upper
43	100		
72	29.9	23.2	34.8

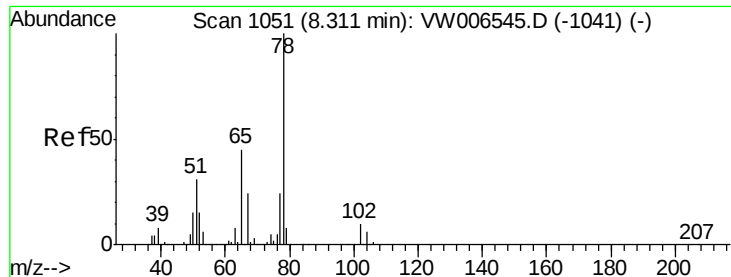


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#33

1,2-Dichloroethane-d4

Concen: 51.252 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampleId :

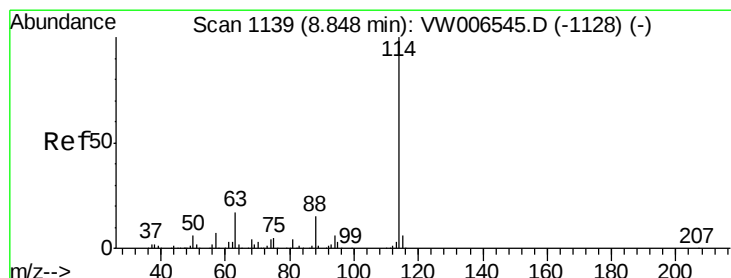
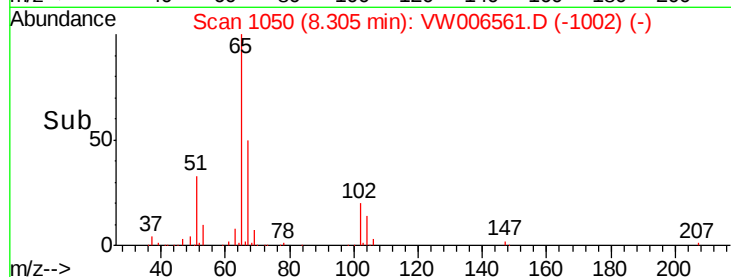
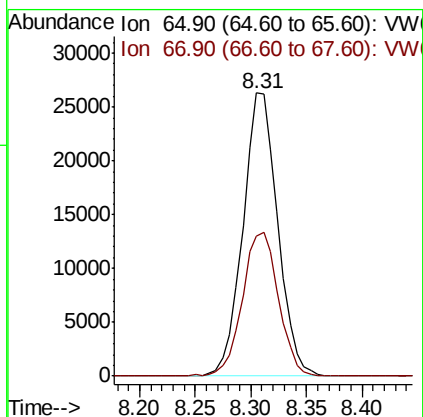
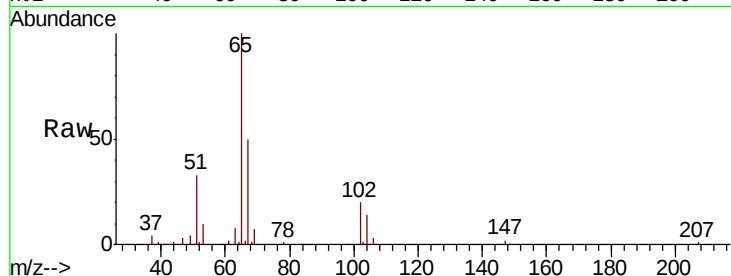
DL-07A

Tot Ion: 65 Resp: 57119

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

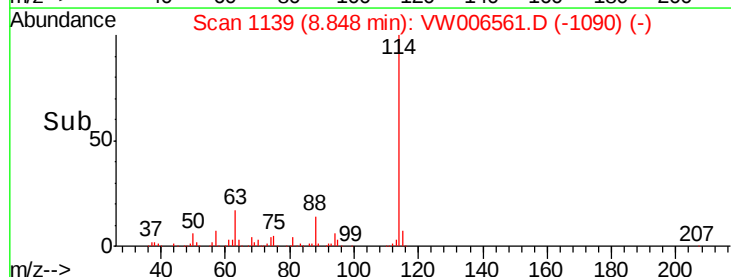
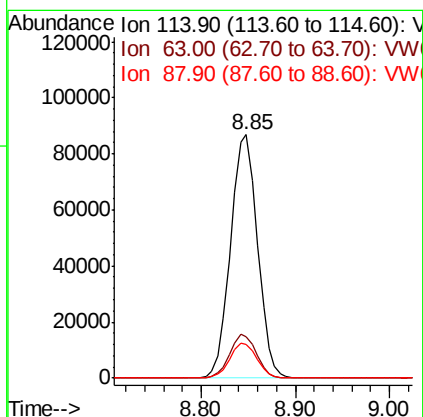
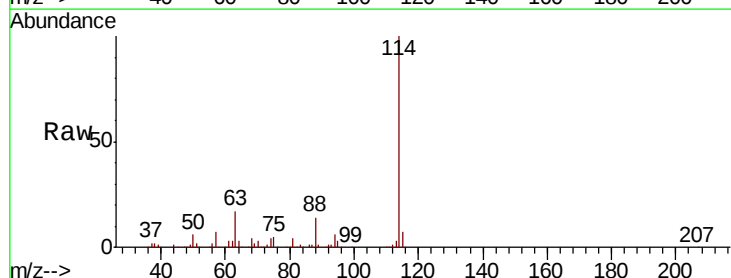
Tgt Ion: 114 Resp: 172880

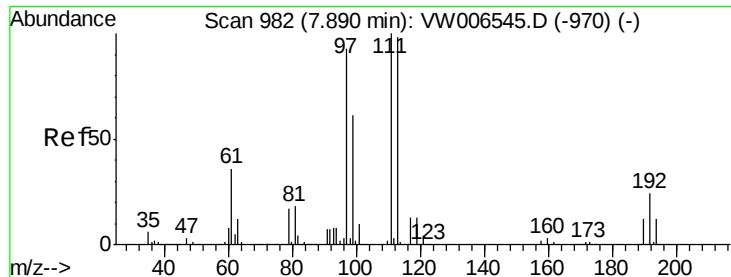
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.4

88 14.0 0.0 29.0

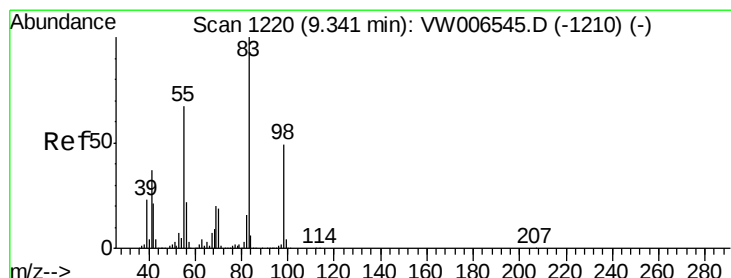
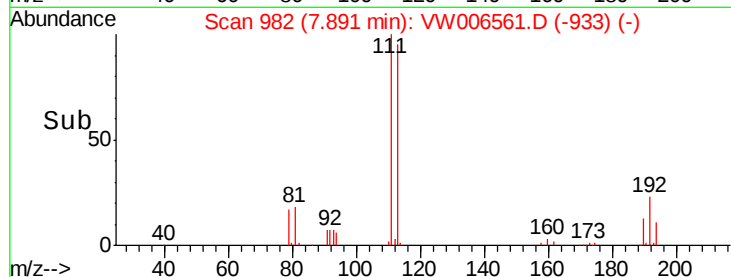
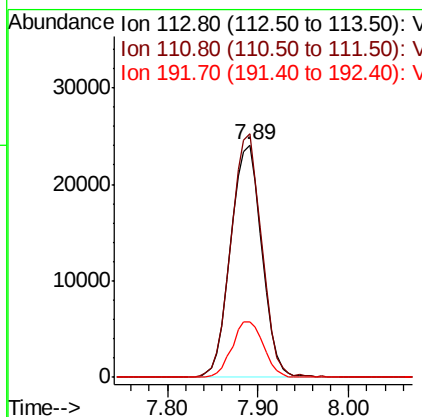
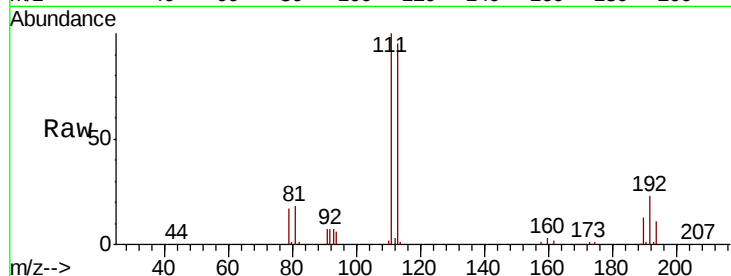




#35
Dibromofluoromethane
Concen: 53.207 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

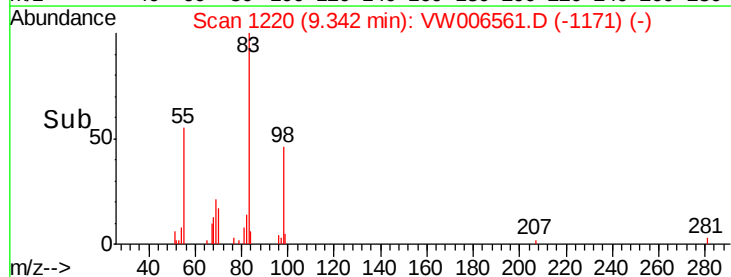
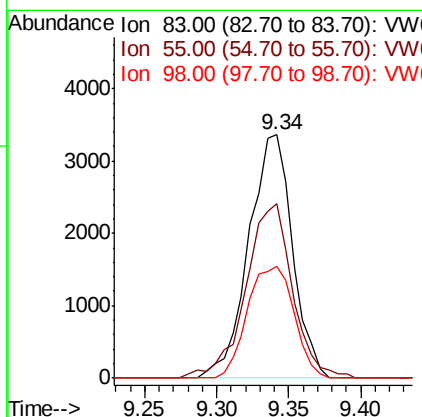
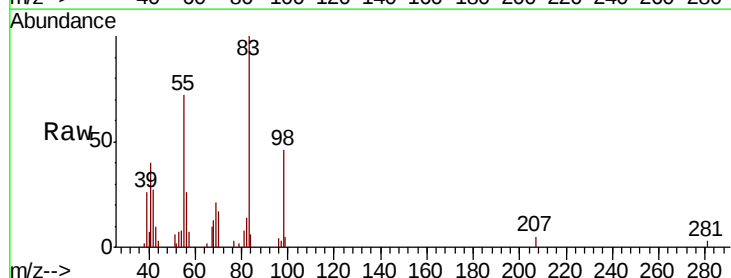
Instrument :
MSVOA_W
ClientSampleId :
DL-07A

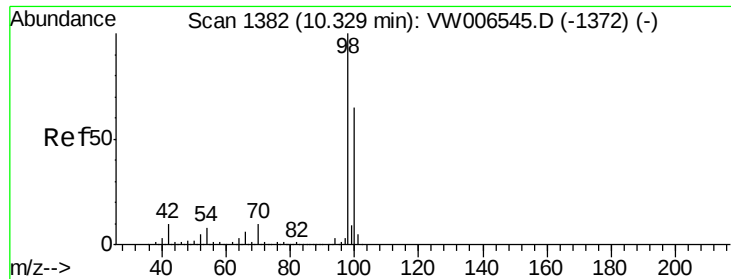
Tot Ion:113 Resp: 57727
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 24.2 19.0 28.6



#39
Methylcyclohexane
Concen: 3.667 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Tgt Ion: 83 Resp: 7074
Ion Ratio Lower Upper
83 100
55 70.3 53.7 80.5
98 45.8 39.2 58.8

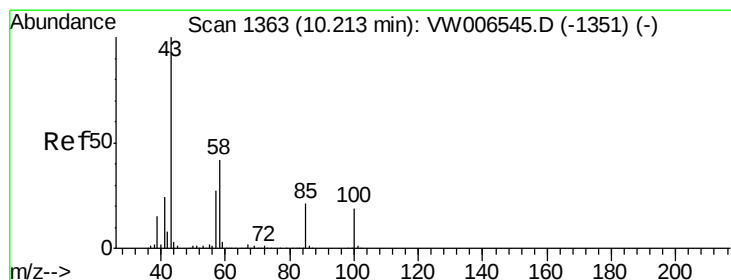
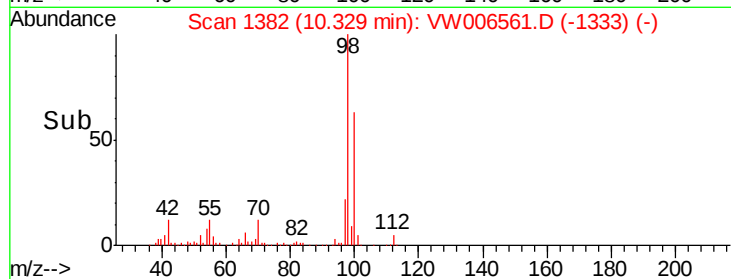
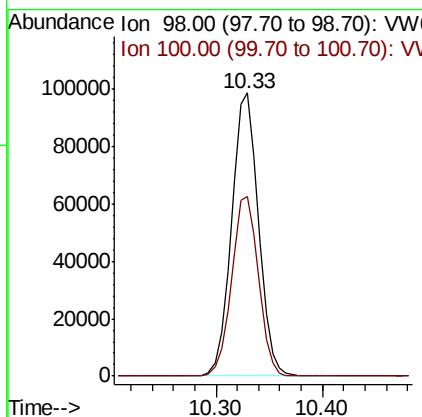
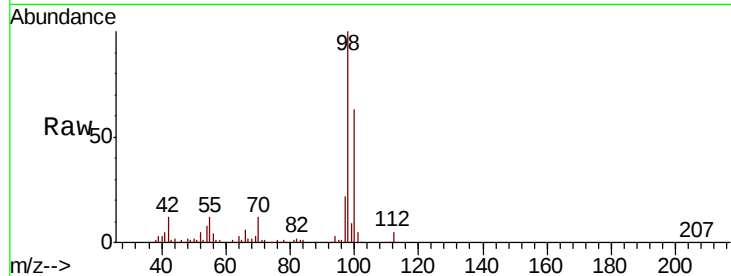




#50
Toluene-d8
Concen: 42.280 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

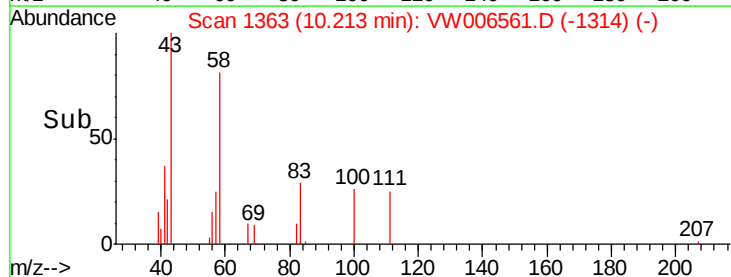
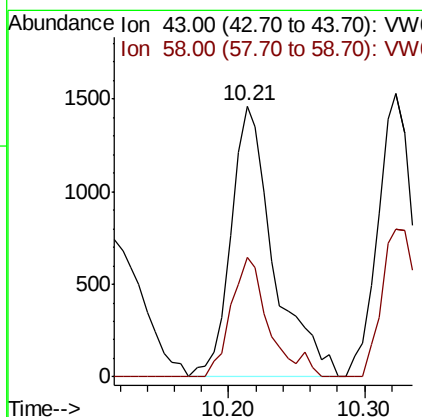
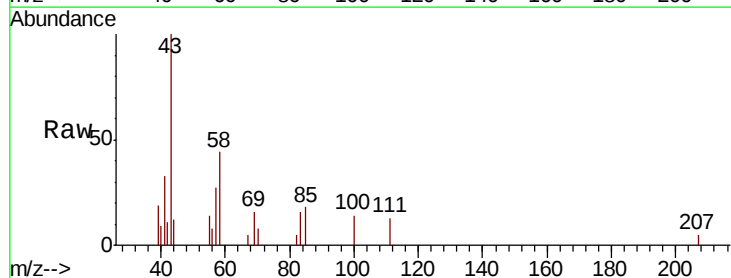
Instrument :
MSVOA_W
ClientSampled :
DL-07A

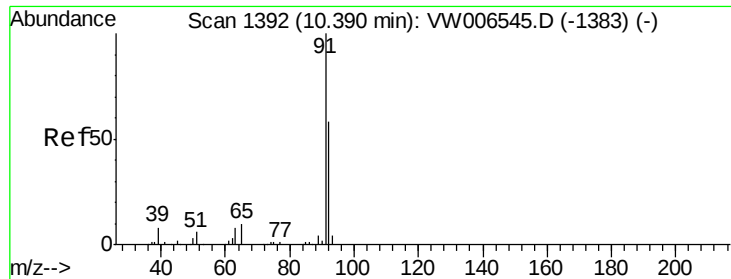
Tot Ion: 98 Resp: 174627
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 5.925 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Tgt Ion: 43 Resp: 3199
Ion Ratio Lower Upper
43 100
58 38.9 33.4 50.0





#52

Toluene

Concen: 3.656 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

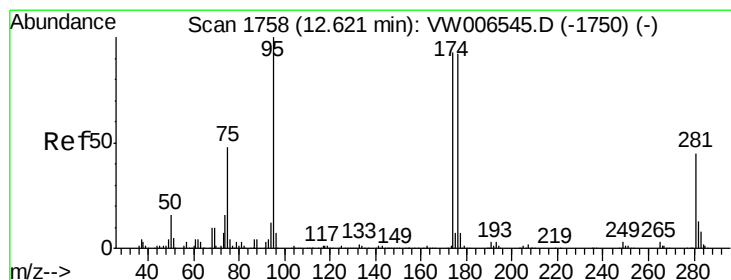
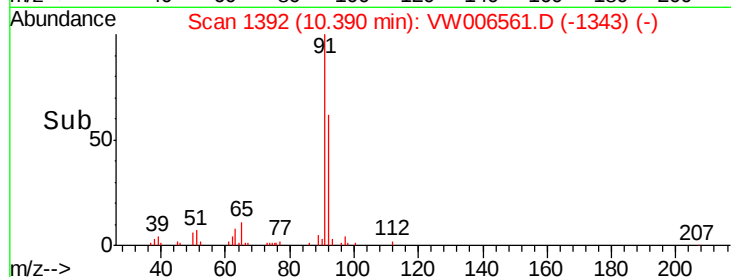
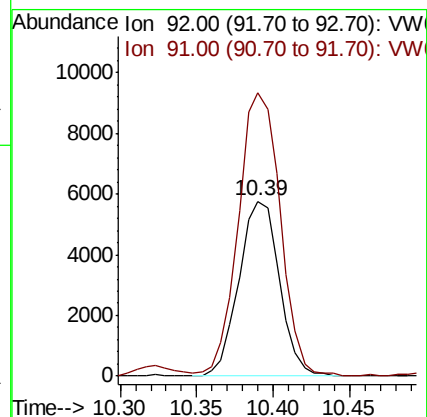
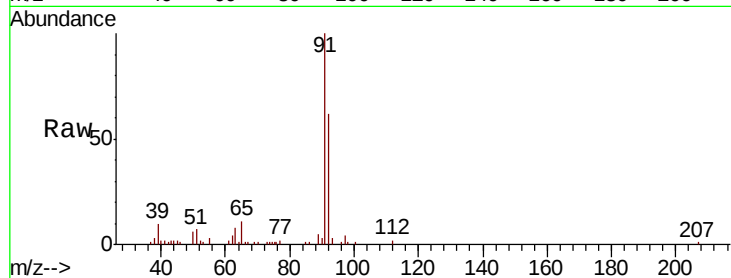
DL-07A

Tot Ion: 92 Resp: 10588

Ion Ratio Lower Upper

92 100

91 168.2 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 19.652 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

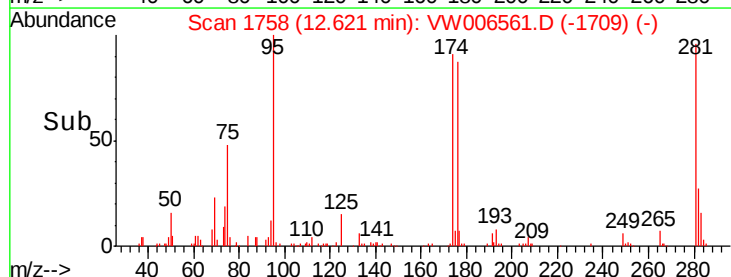
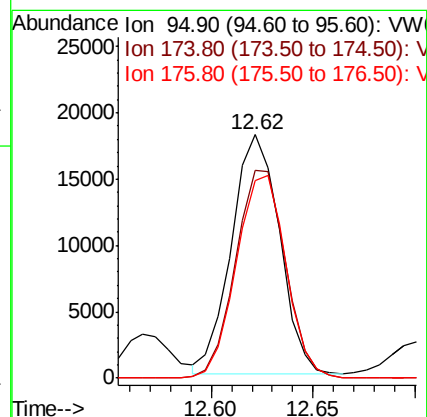
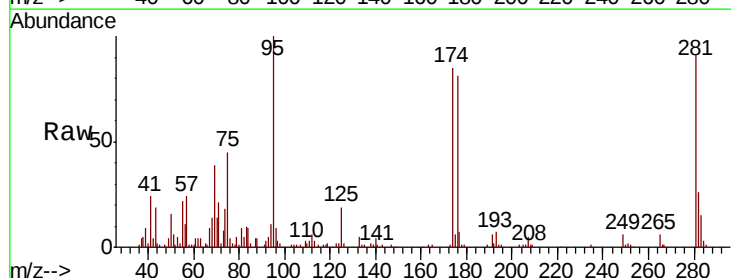
Tgt Ion: 95 Resp: 29426

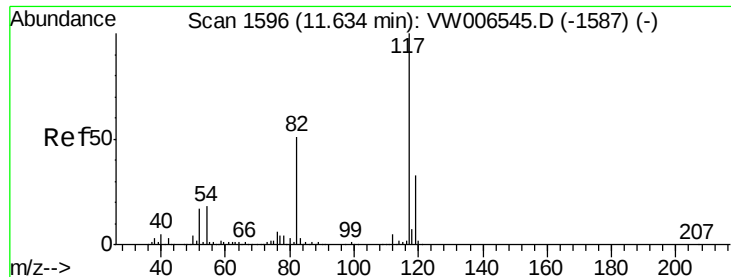
Ion Ratio Lower Upper

95 100

174 90.4 0.0 192.4

176 87.9 0.0 187.4

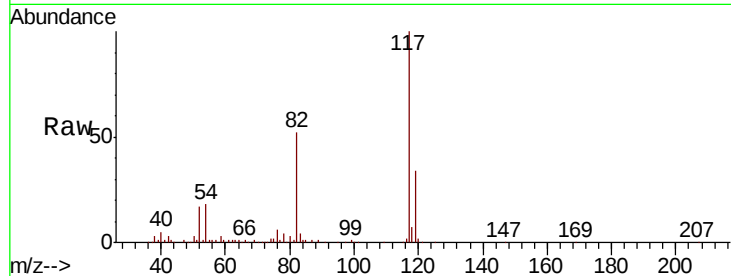




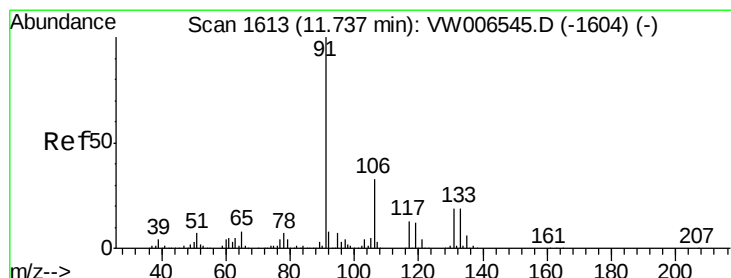
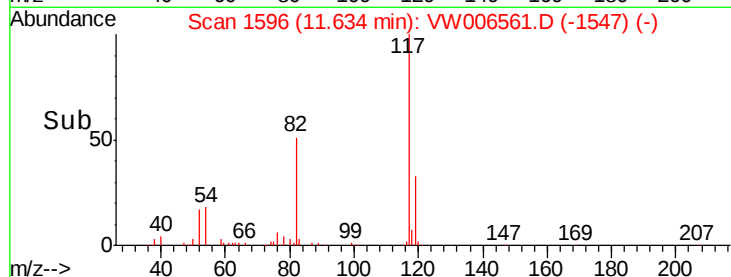
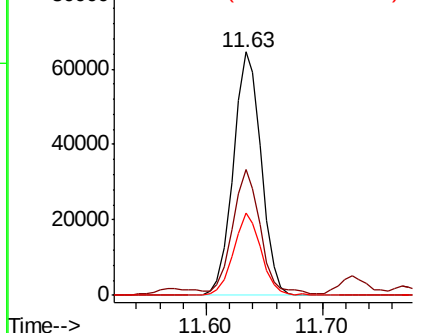
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-07A

Tot Ion:117 Resp: 107307
Ion Ratio Lower Upper
117 100
82 49.1 40.8 61.2
119 33.3 26.1 39.1

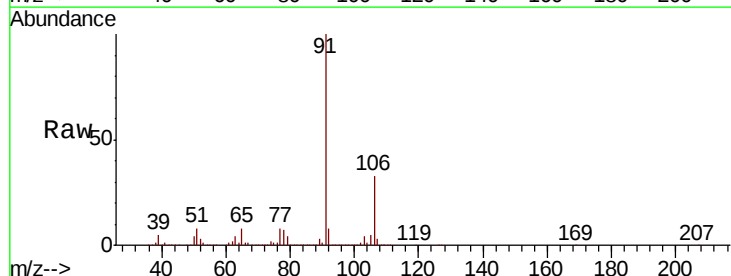


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

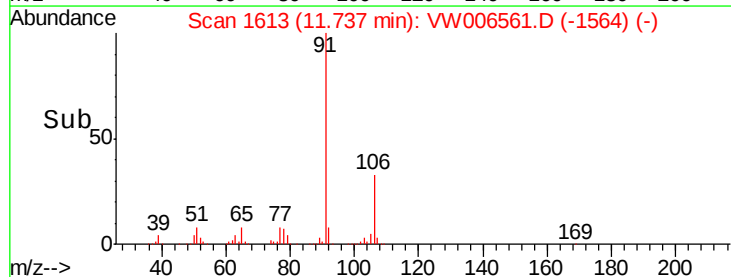
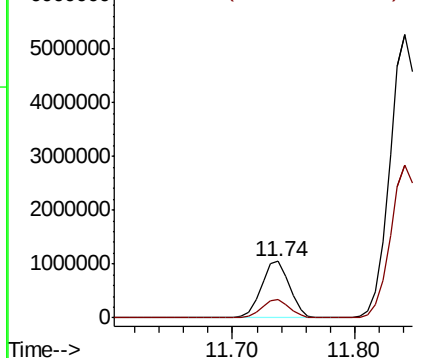


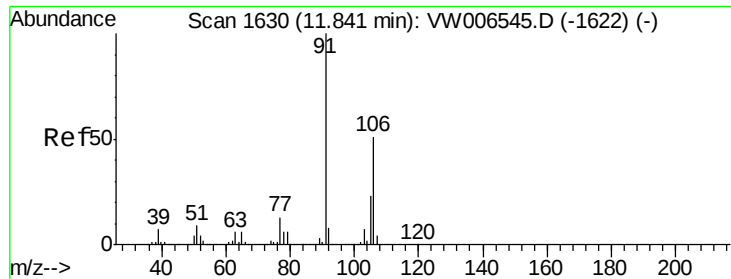
#67
Ethyl Benzene
Concen: 446.517 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Tgt Ion: 91 Resp: 1685268
Ion Ratio Lower Upper
91 100
106 33.2 26.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

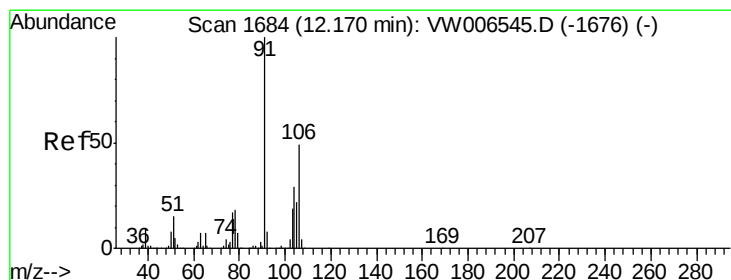
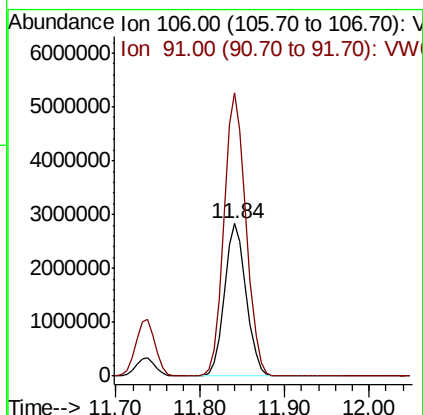
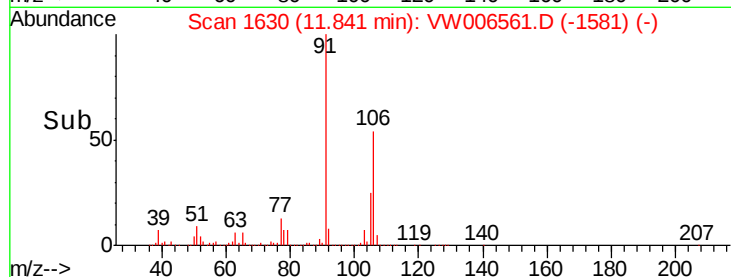
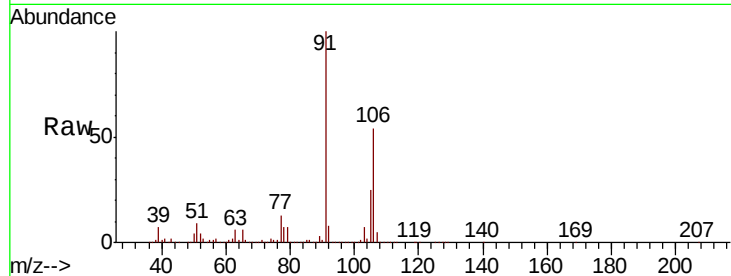




#68
m/p-Xylenes
Concen: 3290.580 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

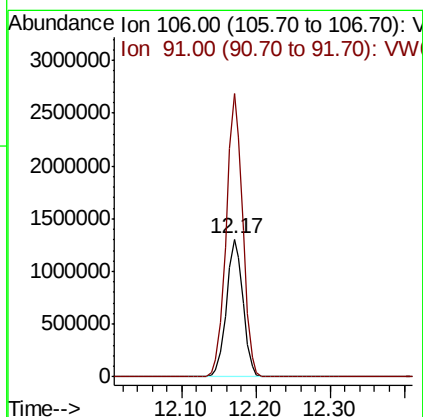
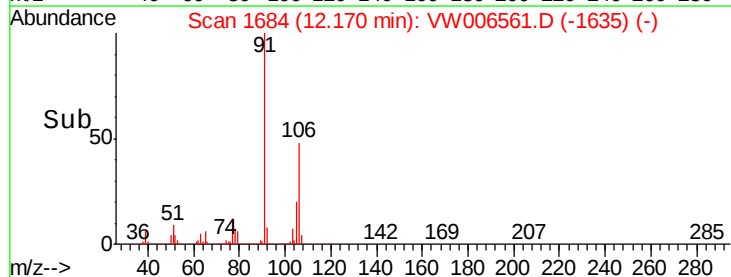
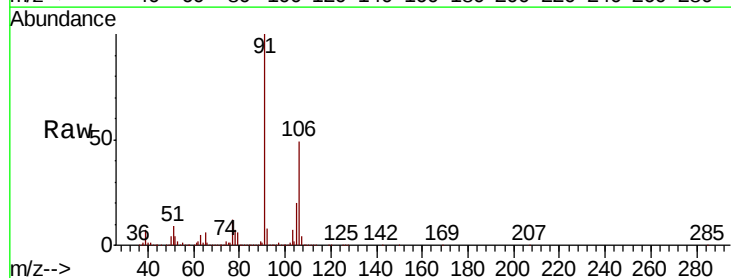
Instrument :
MSVOA_W
ClientSampleId :
DL-07A

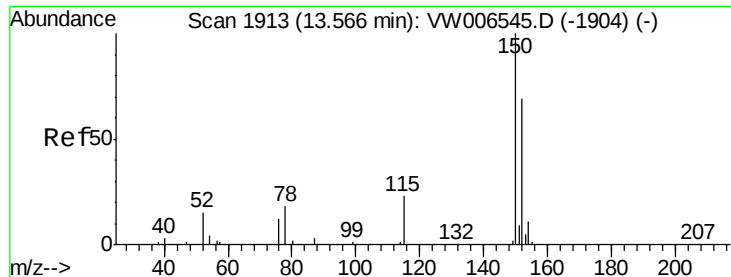
Tot Ion:106 Resp: 4961861
Ion Ratio Lower Upper
106 100
91 189.1 156.7 235.1



#69
o-Xylene
Concen: 1407.902 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Tgt Ion:106 Resp: 2021114
Ion Ratio Lower Upper
106 100
91 204.8 102.8 308.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006561.D

Acq: 01 Nov 2018 16:06

Instrument :

MSVOA_W

ClientSampled :

DL-07A

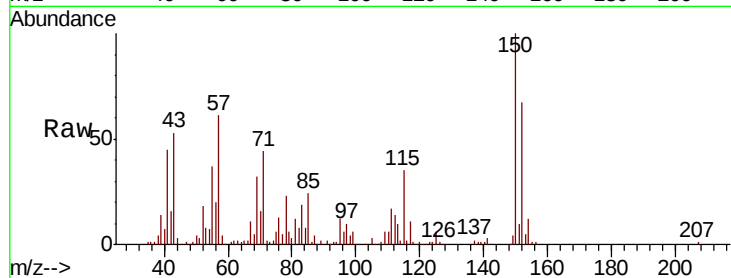
Tot Ion:152 Resp: 23918

Ion Ratio Lower Upper

152 100

115 52.2 26.6 79.8

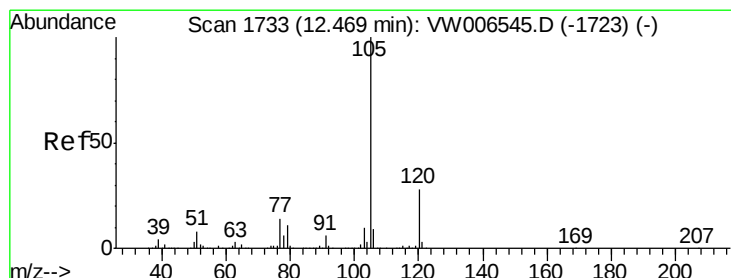
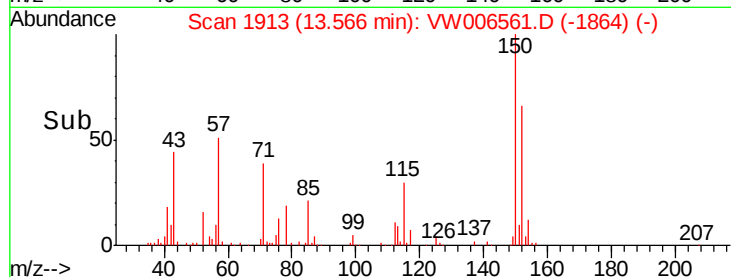
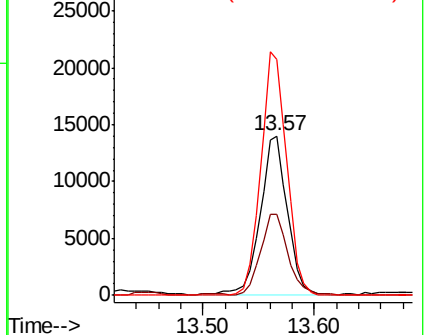
150 144.7 0.0 344.6



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: 17.622 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006561.D

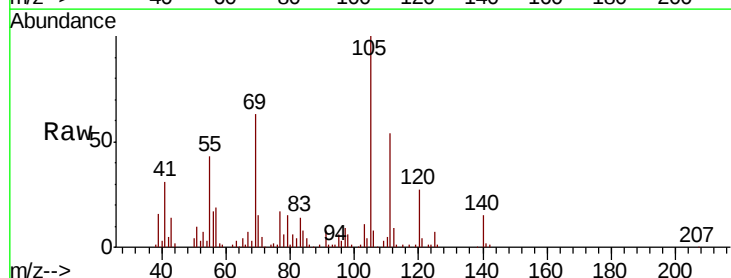
Acq: 01 Nov 2018 16:06

Tgt Ion:105 Resp: 27766

Ion Ratio Lower Upper

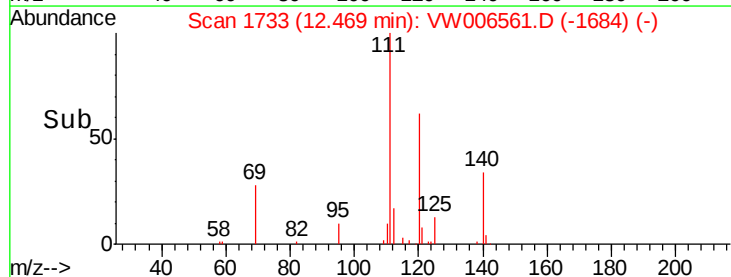
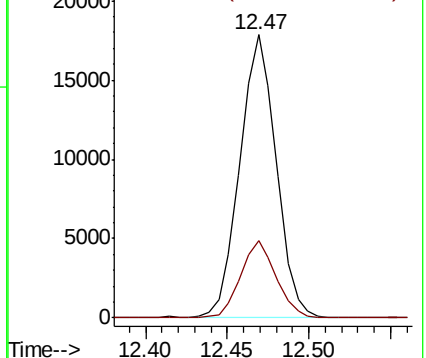
105 100

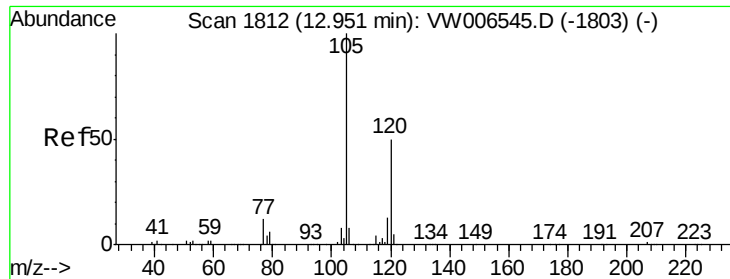
120 26.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

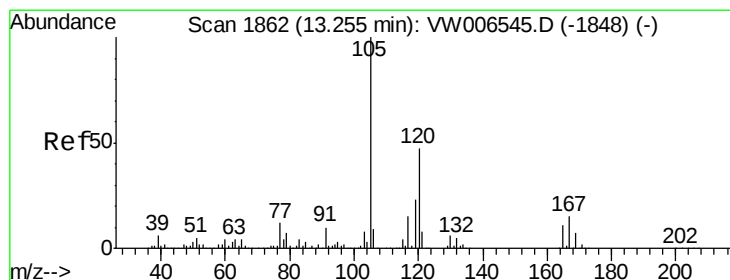
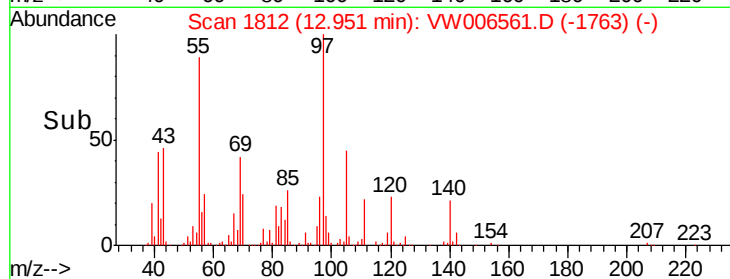
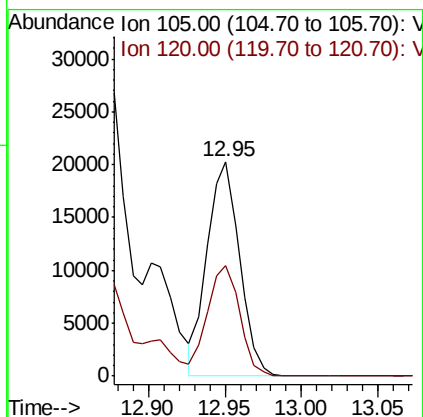
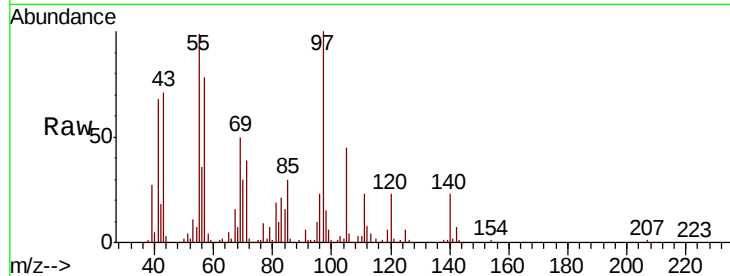




#80
 1,3,5-Trimethylbenzene
 Concen: 22.753 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006561.D
 Acq: 01 Nov 2018 16:06

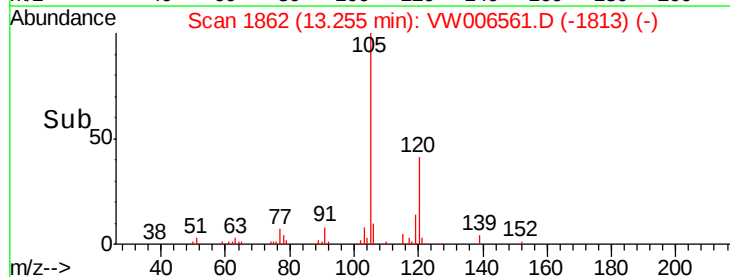
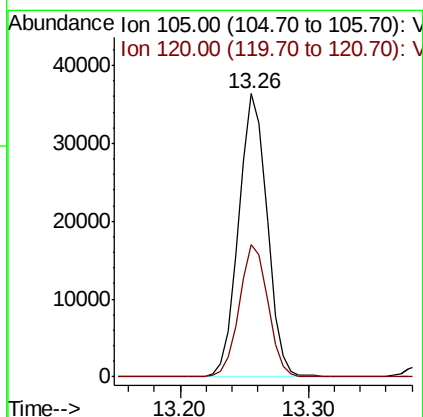
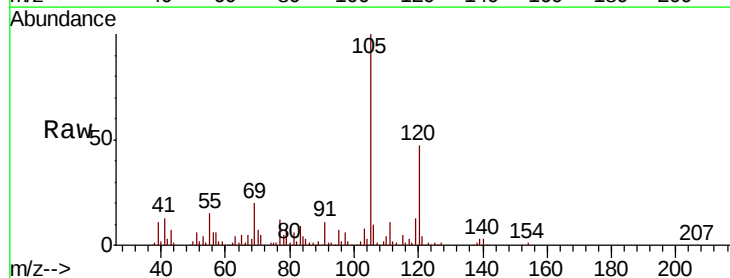
Instrument :
 MSVOA_W
 ClientSampled :
 DL-07A

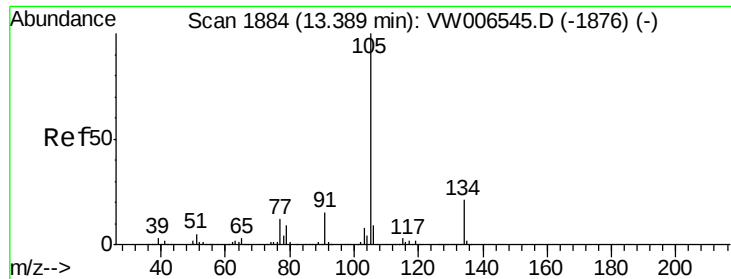
Tot Ion:105 Resp: 30118
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.1 75.3



#84
 1,2,4-Trimethylbenzene
 Concen: 41.116 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006561.D
 Acq: 01 Nov 2018 16:06

Tgt Ion:105 Resp: 55825
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6

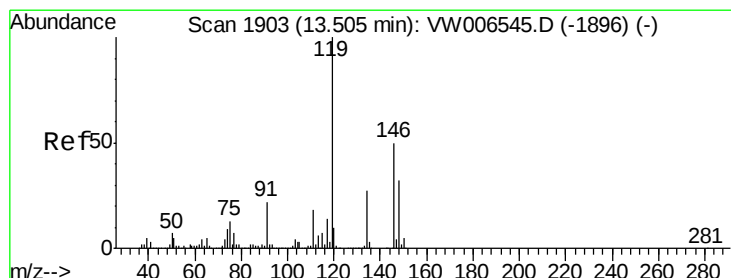
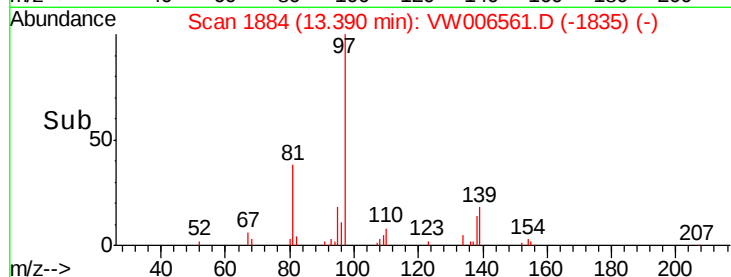
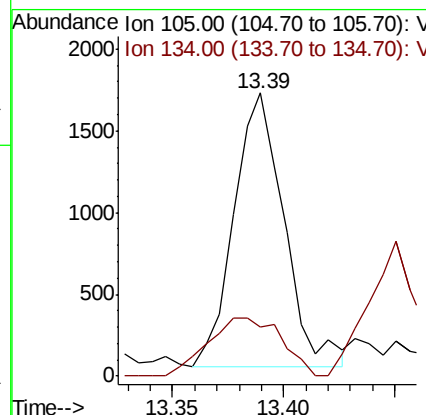
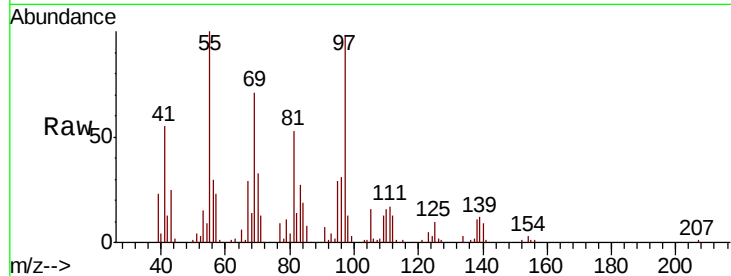




#85
 sec-Butylbenzene
 Concen: 1.581 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006561.D
 Acq: 01 Nov 2018 16:06

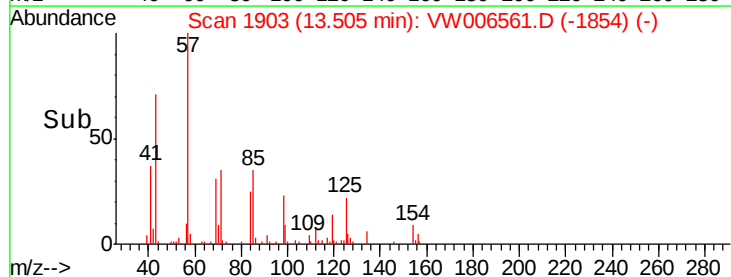
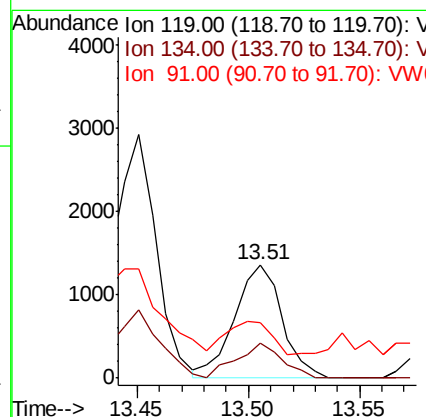
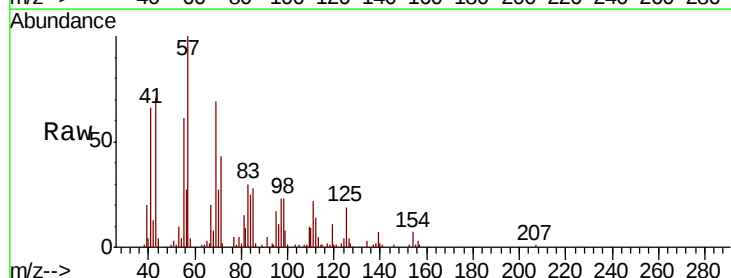
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-07A

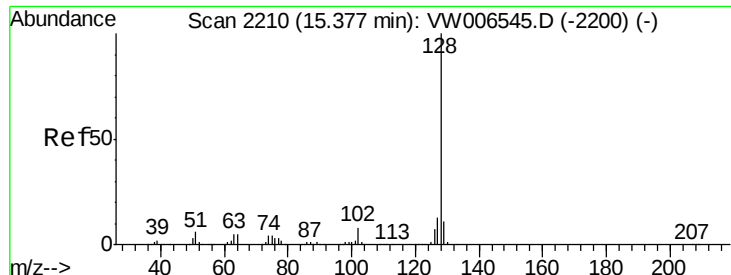
Tot Ion:105 Resp: 2614
 Ion Ratio Lower Upper
 105 100
 134 31.2 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 1.340 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006561.D
 Acq: 01 Nov 2018 16:06

Tgt Ion:119 Resp: 2016
 Ion Ratio Lower Upper
 119 100
 134 29.7 13.6 40.7
 91 25.9 10.9 32.6

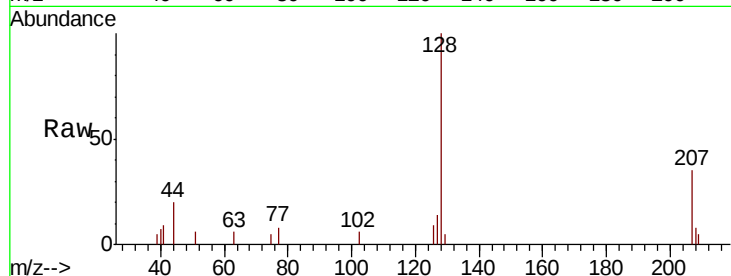




#95
Naphthalene
Concen: 2.185 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006561.D
Acq: 01 Nov 2018 16:06

Instrument :
MSVOA_W
ClientSampleId :
DL-07A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	8.3	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

