

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 :
 MSVOA_W
 ClientSampleId :
 P001-SD001-0006-01

Manual Integrations
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Quant Time: Dec 15 02:00:11 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						
33) 1,2-Dichloroethane-d4	8.31	65	36530	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
35) Dibromofluoromethane	7.88	113	33102	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
50) Toluene-d8	10.32	98	99533	40.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.32%	
62) 4-Bromofluorobenzene	12.62	95	23474	25.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.52%	
Target Compounds						
					Qvalue	
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
39) Methylcyclohexane	9.34	83	56379	46.736	ug/l	94
40) Benzene	8.33	78	14884	5.384	ug/l	98
52) Toluene	10.39	92	51681	28.886	ug/l	99
65) Chlorobenzene	11.66	112	65854	47.324	ug/l	96
67) Ethyl Benzene	11.73	91	18311m	7.654	ug/l	
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
73) Isopropylbenzene	12.47	105	13031	8.924	ug/l	97
78) n-propylbenzene	12.81	91	21084	12.829	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	44463	36.237	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	153612	121.658	ug/l	98
85) sec-Butylbenzene	13.39	105	3534m	2.394	ug/l	
86) p-Isopropyltoluene	13.50	119	8128	6.130	ug/l	92
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
95) Naphthalene	15.37	128	17096	22.465	ug/l #	94

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

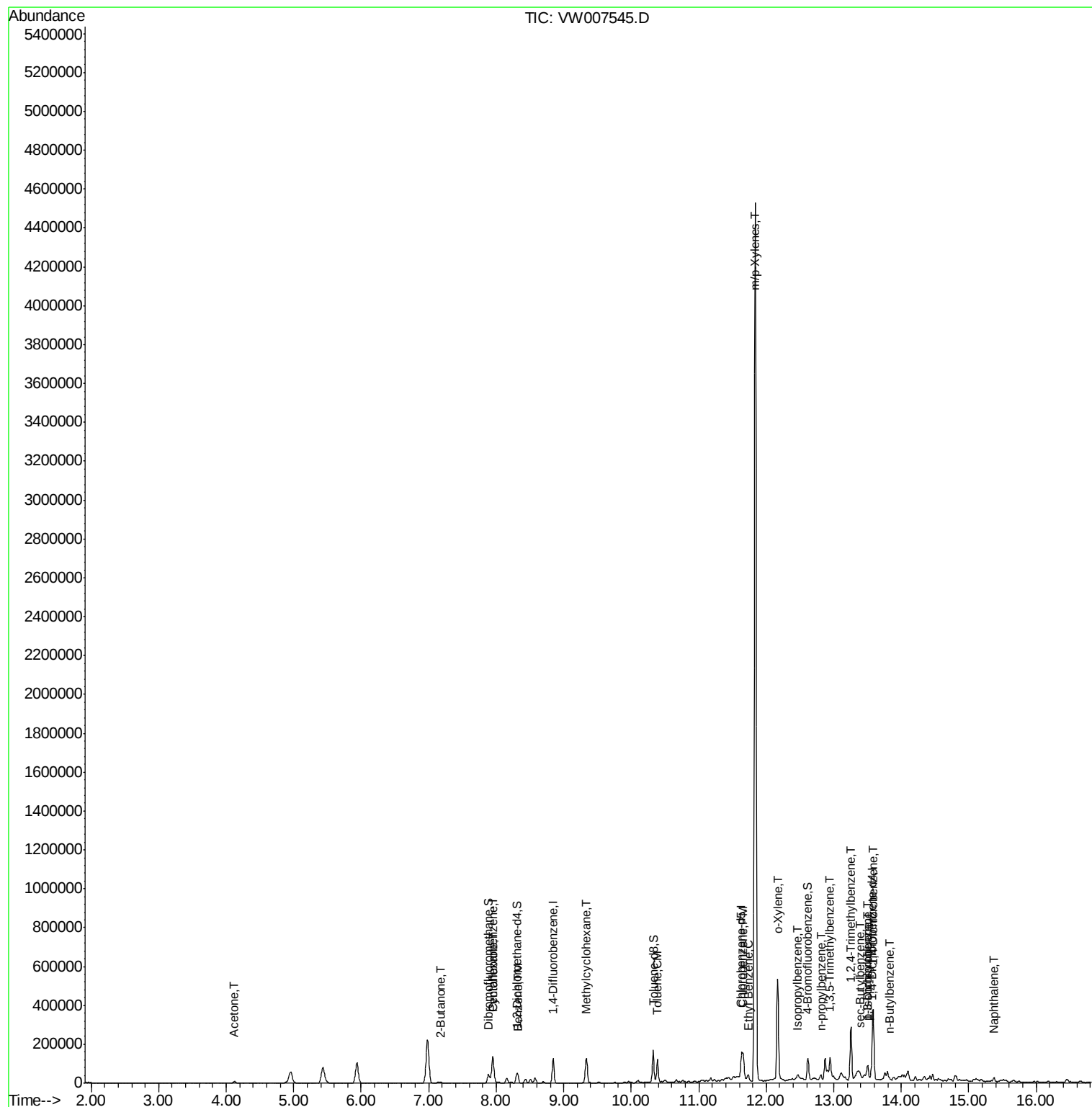
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW121718\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 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 :

MSVOA_W

ClientSampleId :

P001-SD001-0006-01

Tgt Ion: 168 Resp: 69455

Ion Ratio Lower Upper

168 100

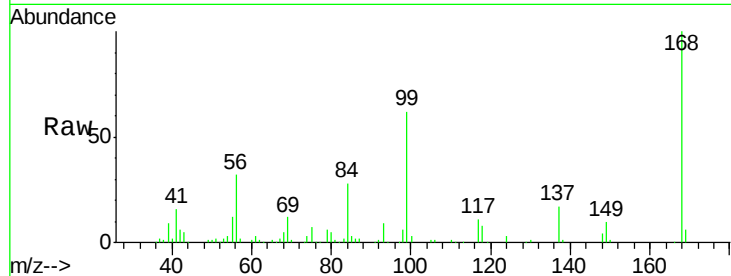
99 61.9 48.3 72.5

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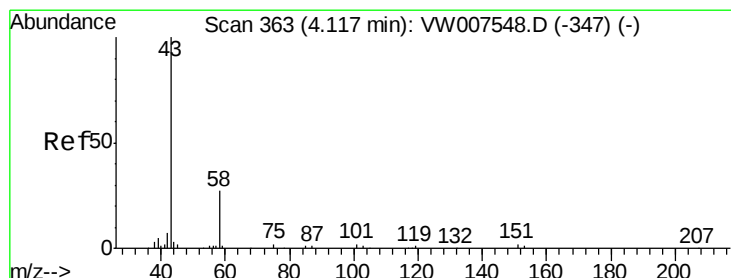
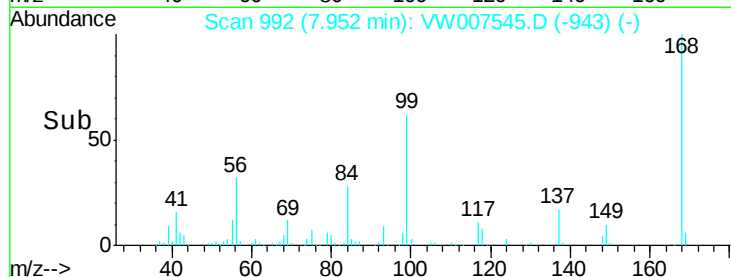
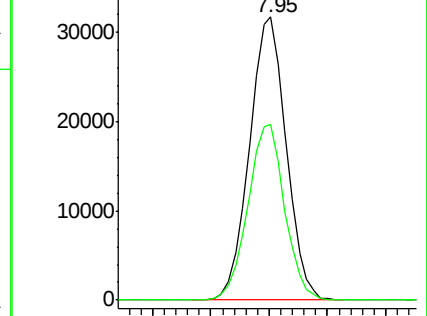
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 105.200 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007545.D

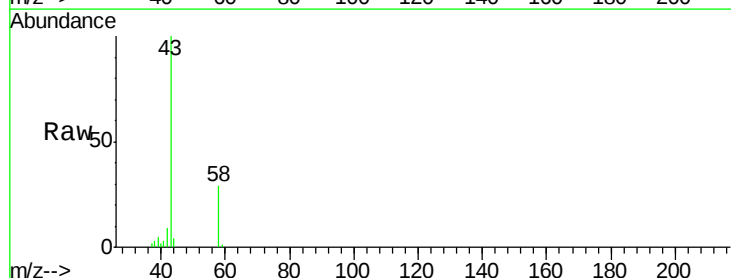
Acq: 14 Dec 2018 19:27

Tgt Ion: 43 Resp: 14159

Ion Ratio Lower Upper

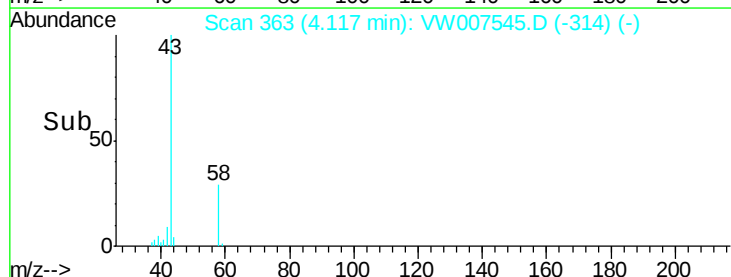
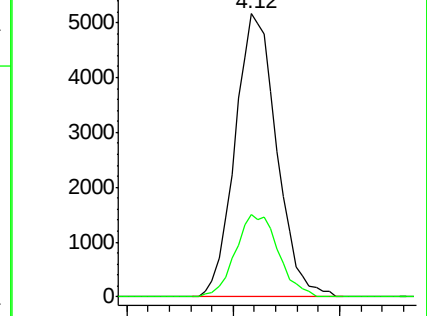
43 100

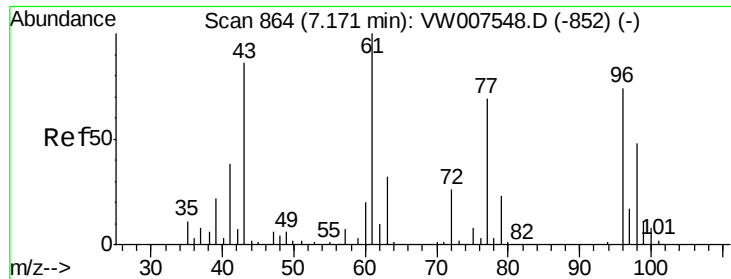
58 29.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 36.008 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

P001-SD001-0006-01

Tgt Ion: 43 Resp: 6327

Ion Ratio Lower Upper

43 100

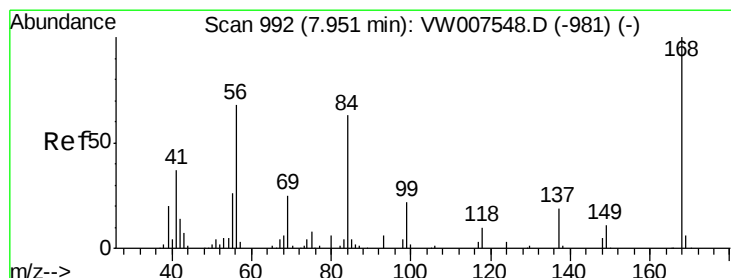
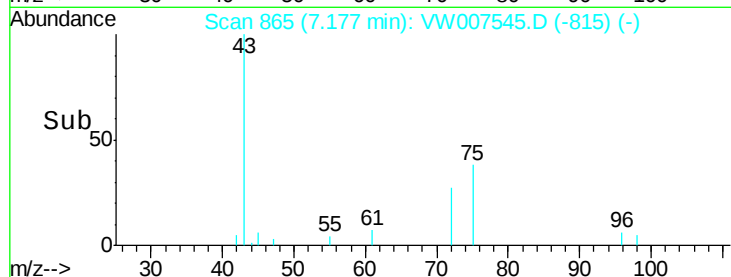
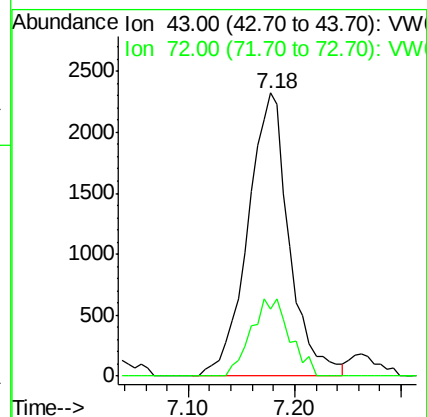
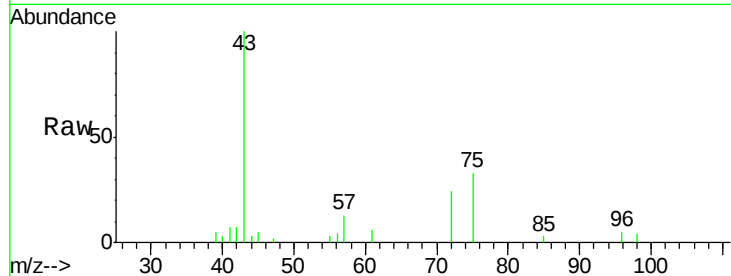
72 23.6 23.4 35.2

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#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

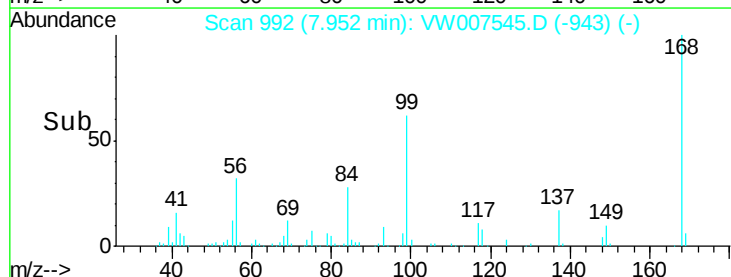
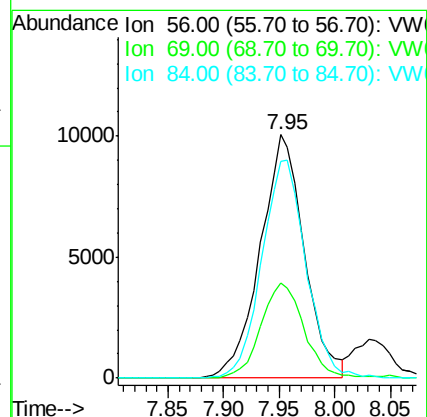
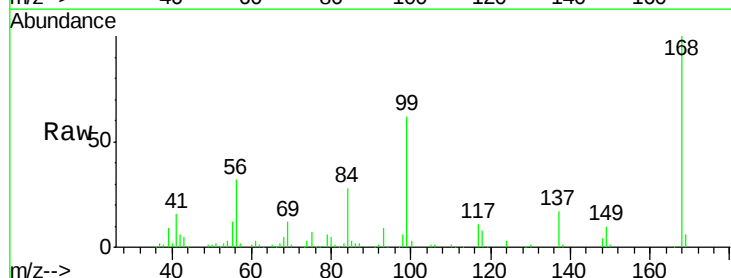
Tgt Ion: 56 Resp: 27705

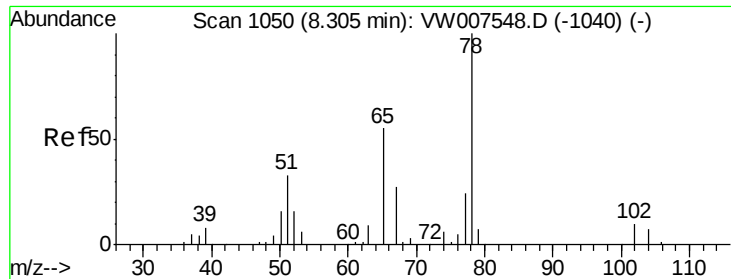
Ion Ratio Lower Upper

56 100

69 39.2 28.9 43.3

84 89.0 71.8 107.6





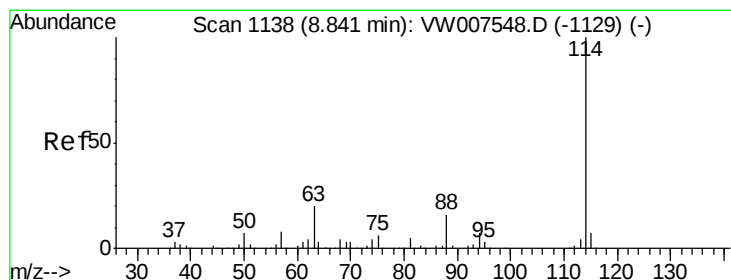
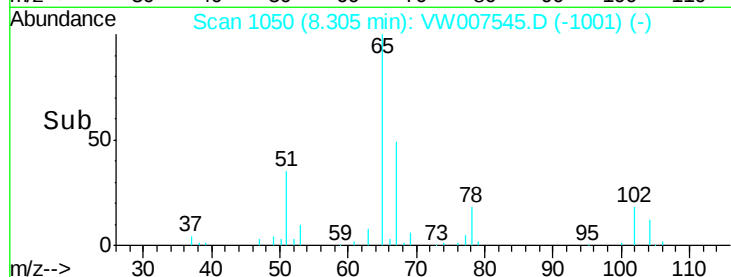
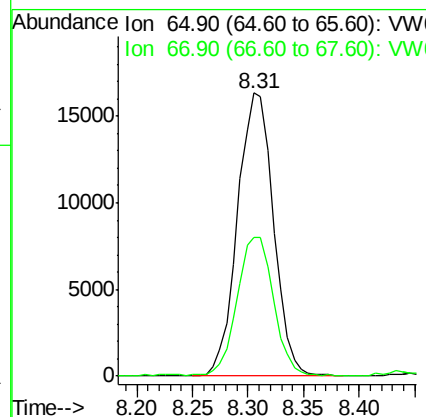
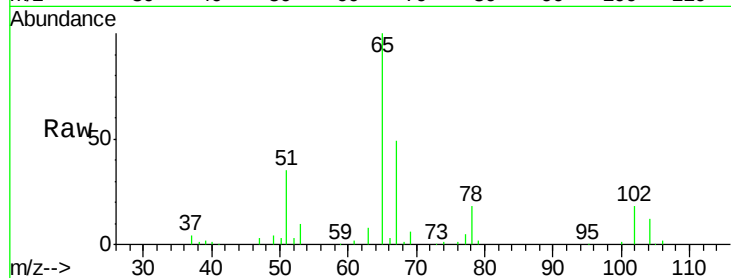
#33
 1,2-Dichloroethane-d4
 Concen: 47.408 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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

Tgt Ion: 65 Resp: 36530
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6

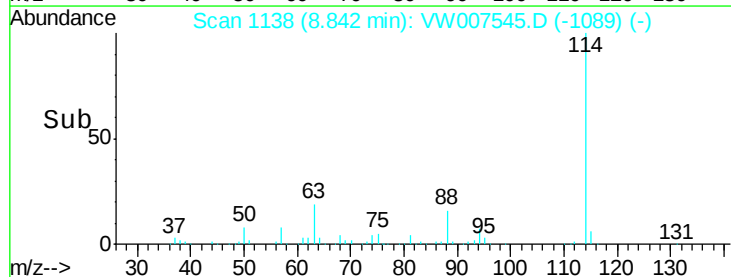
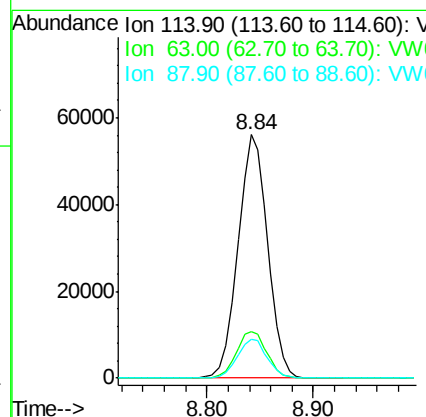
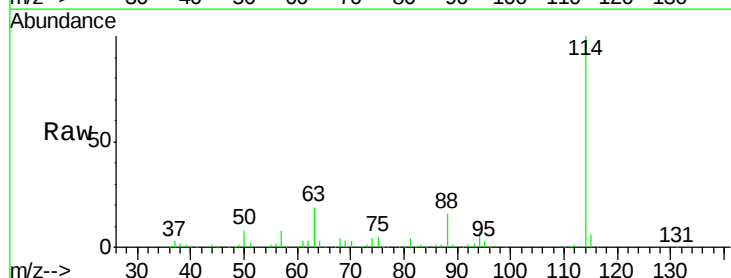
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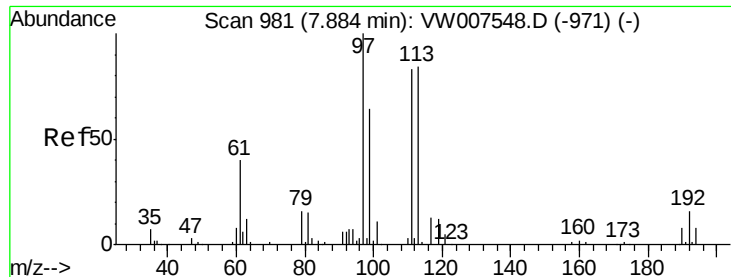
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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





#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

Instrument :

MSVOA_W

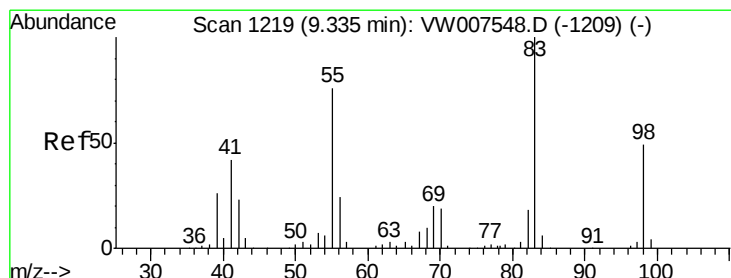
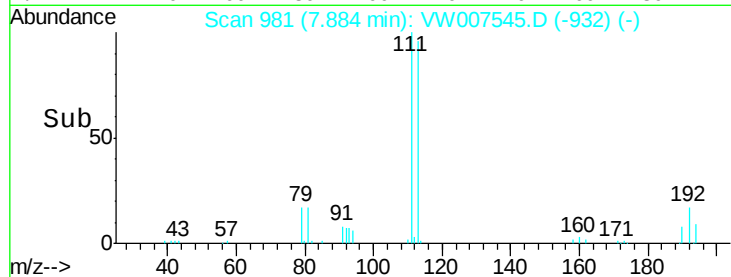
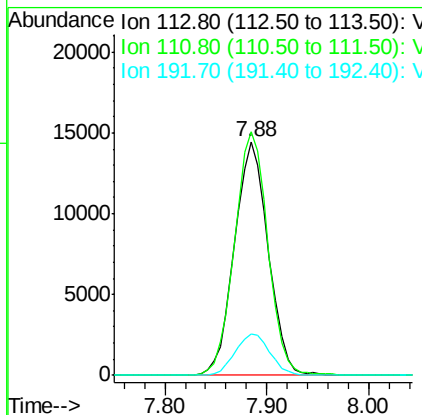
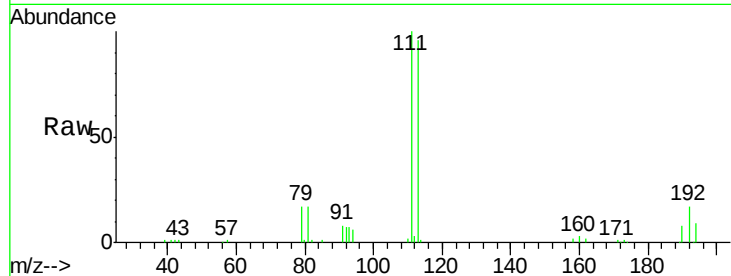
ClientSampleId :

P001-SD001-0006-01

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

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#39

Methylcyclohexane

Concen: 46.736 ug/l

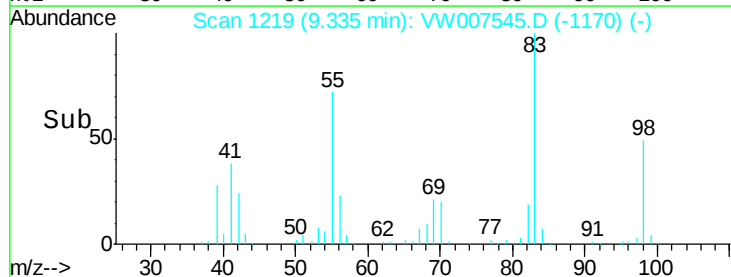
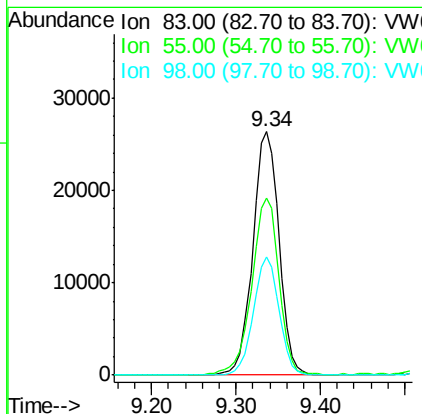
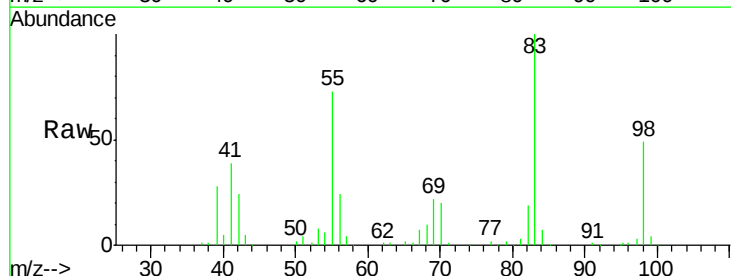
RT: 9.34 min Scan# 1219

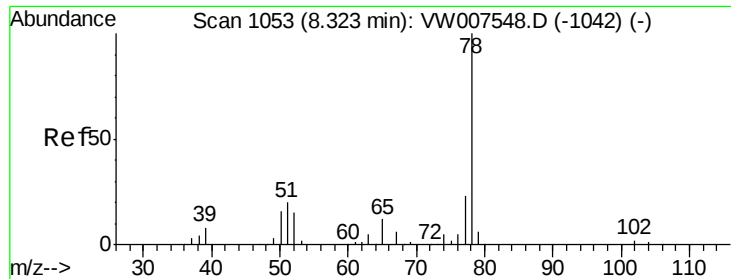
Delta R.T. 0.00 min

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





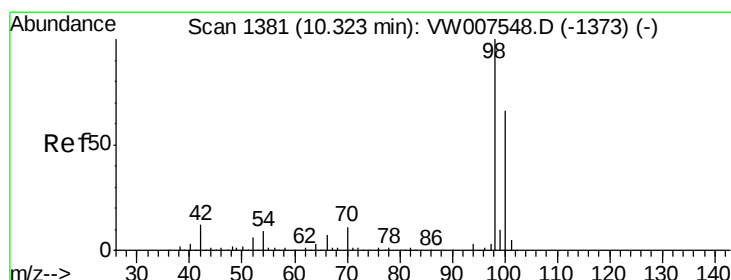
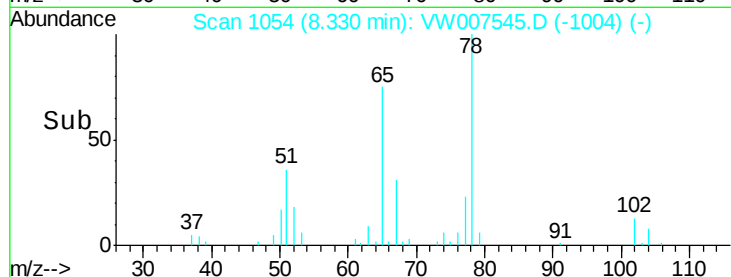
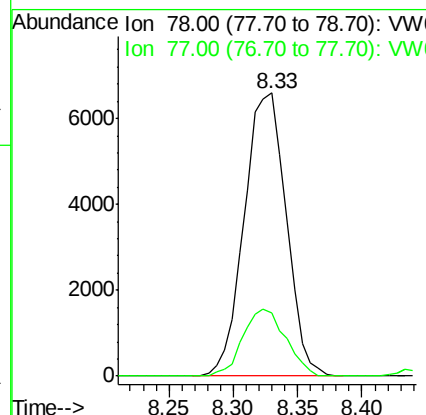
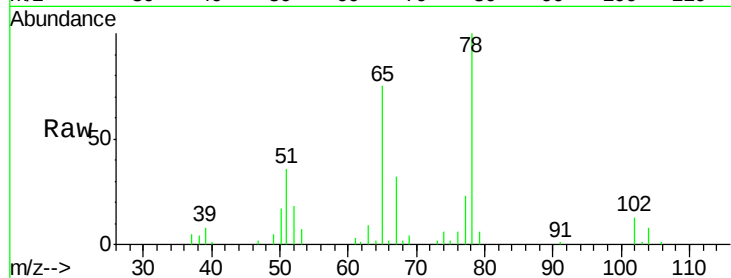
#40
Benzene
Concen: 5.384 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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

Tgt Ion: 78 Resp: 14884
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2

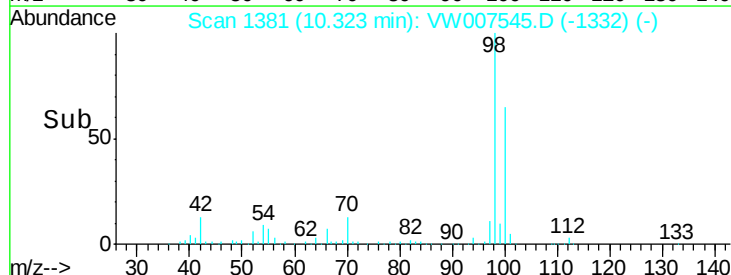
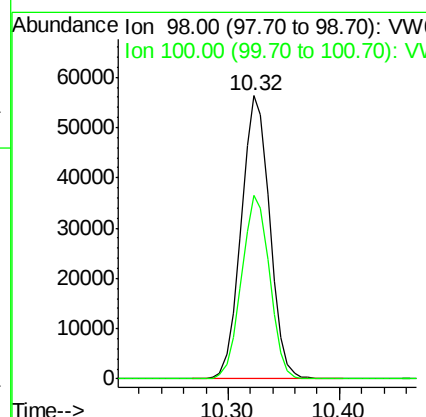
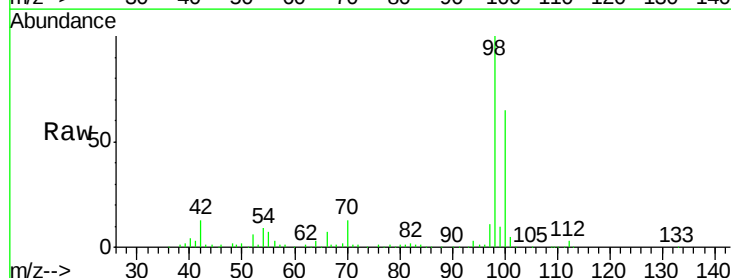
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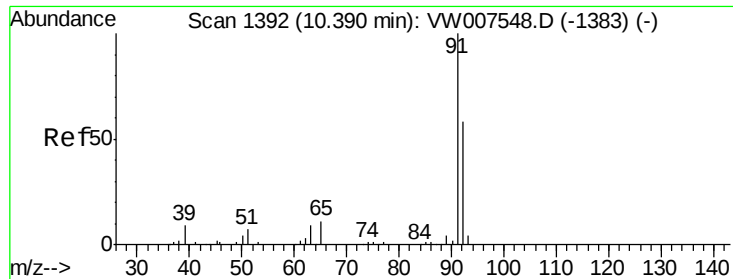
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#50
Toluene-d8
Concen: 40.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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 :

MSVOA_W

ClientSampleId :

P001-SD001-0006-01

Tgt Ion: 92 Resp: 51681

Ion Ratio Lower Upper

92 100

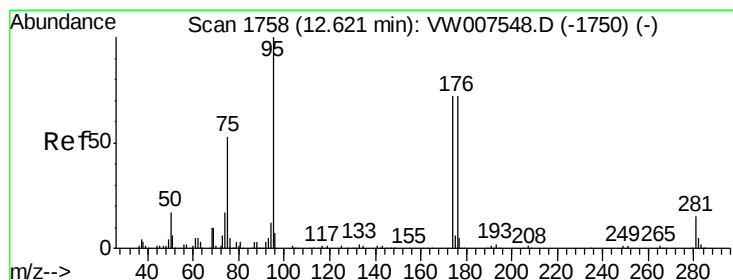
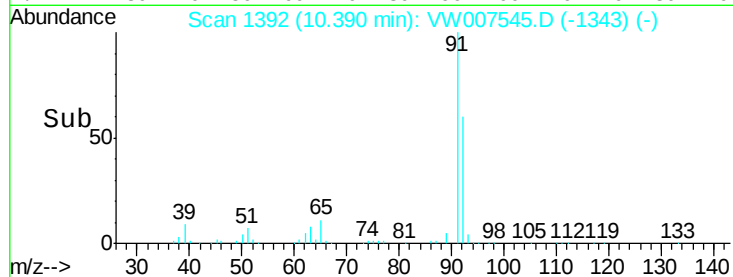
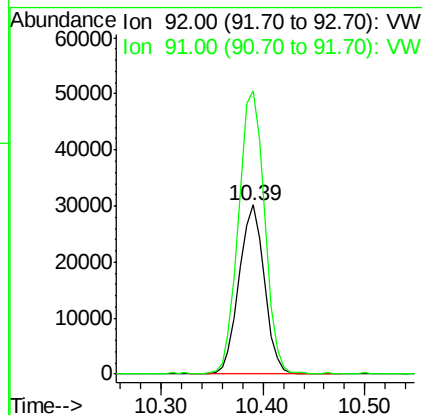
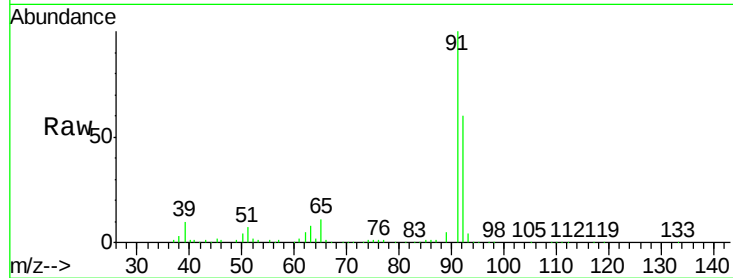
91 171.0 136.2 204.2

Manual Integrations

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#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

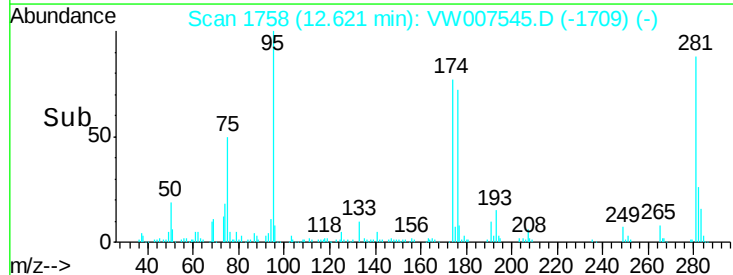
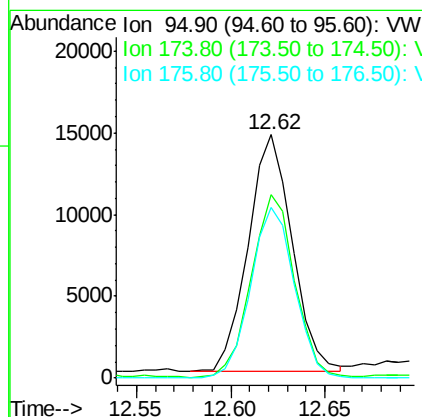
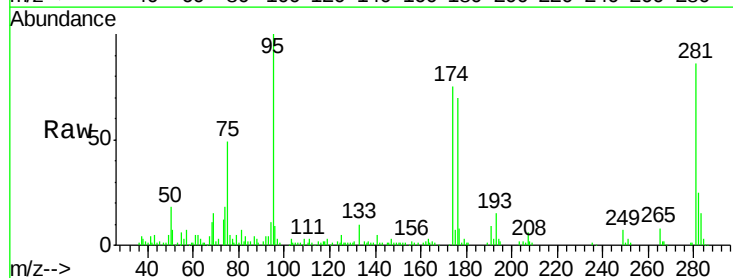
Tgt Ion: 95 Resp: 23474

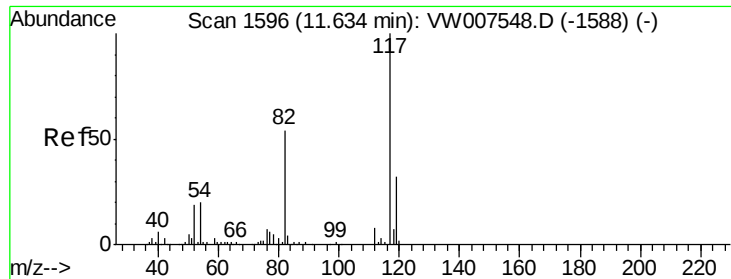
Ion Ratio Lower Upper

95 100

174 76.7 0.0 147.2

176 71.6 0.0 138.8





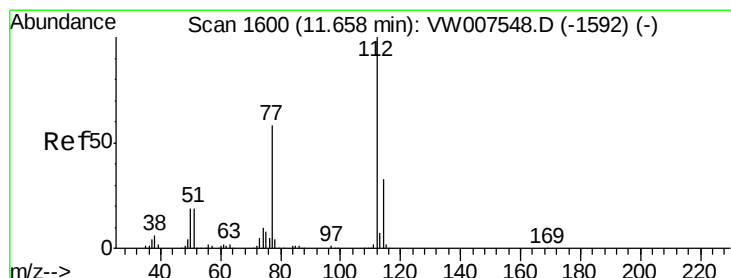
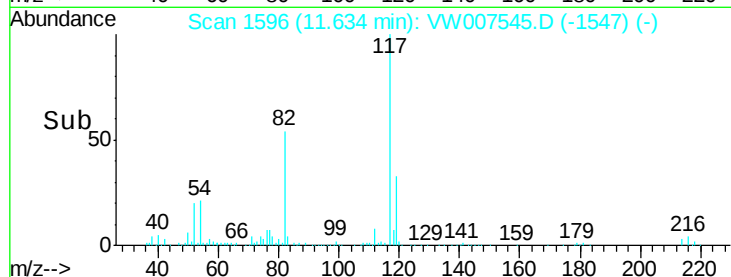
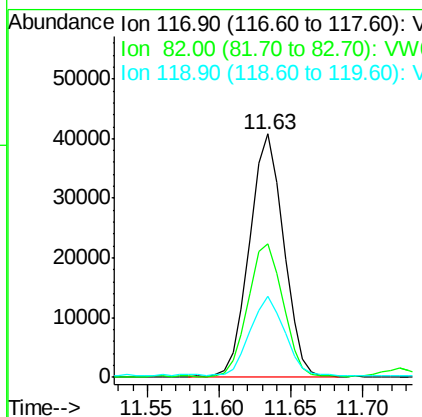
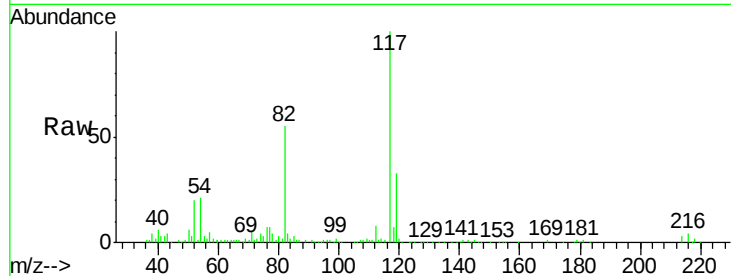
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.3	63.5
119	32.3	23.0	34.6

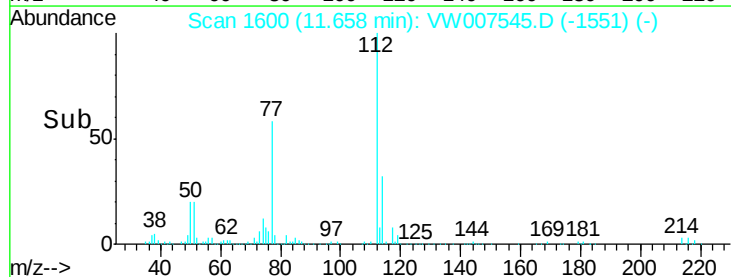
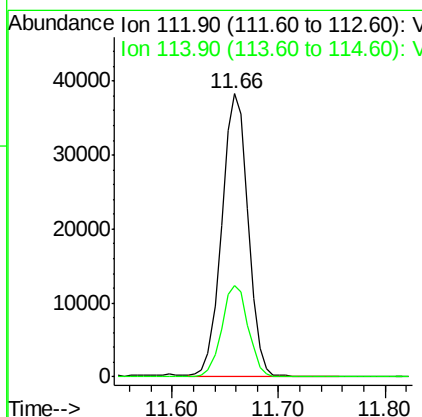
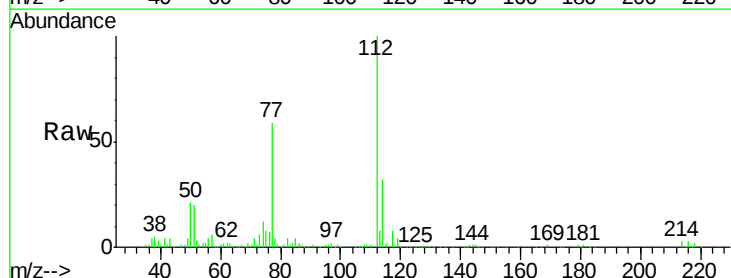
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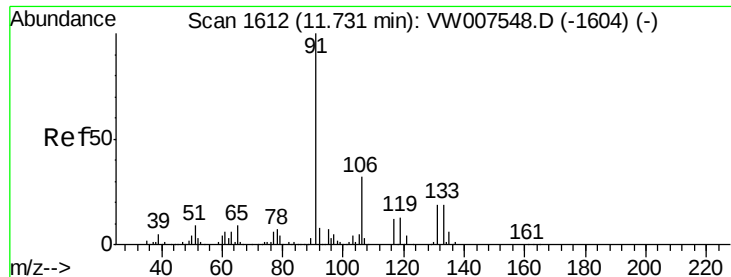
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#65
Chlorobenzene
Concen: 47.324 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.8	41.8





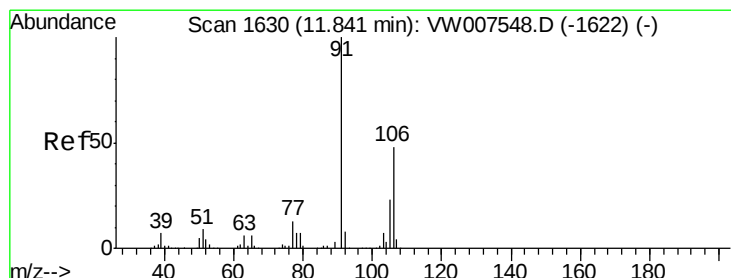
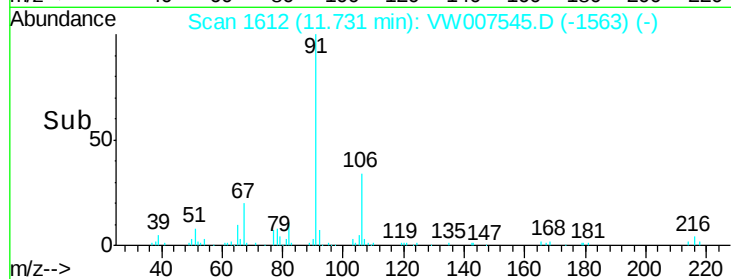
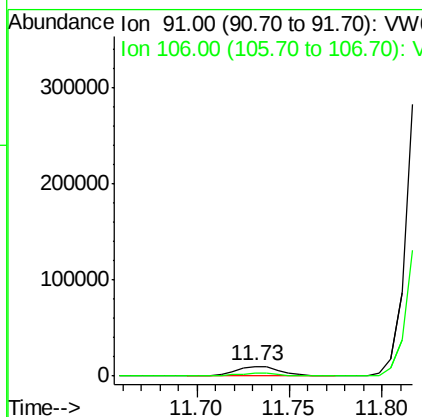
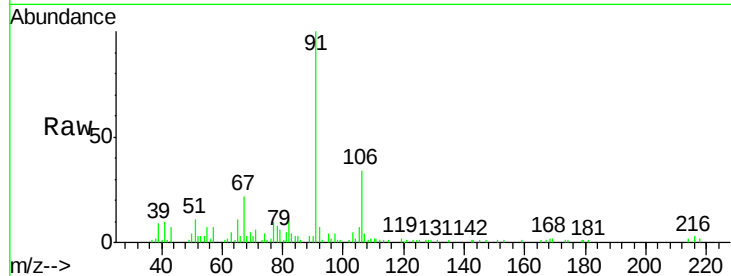
#67
Ethyl Benzene
Concen: 7.654 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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

Tgt Ion: 91 Resp: 18311
Ion Ratio Lower Upper
91 100
106 34.2 21.8 32.8#

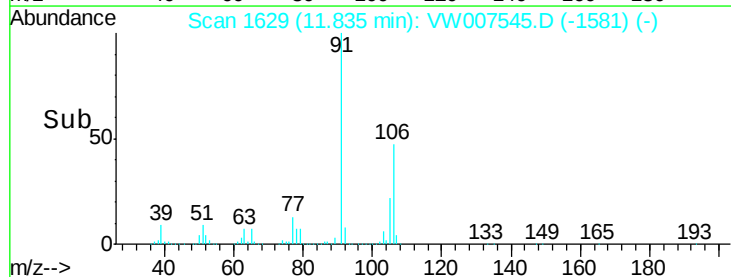
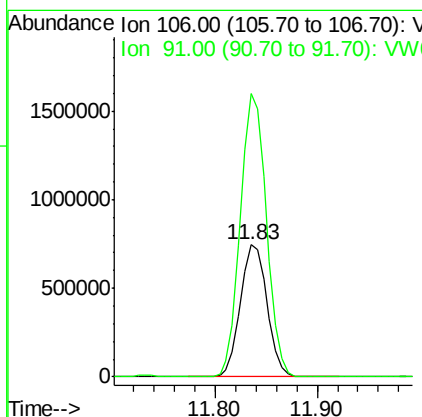
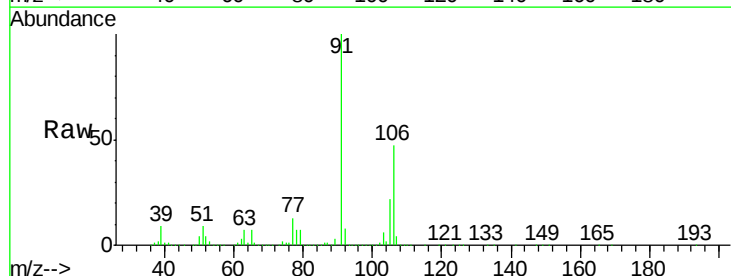
Manual Integrations
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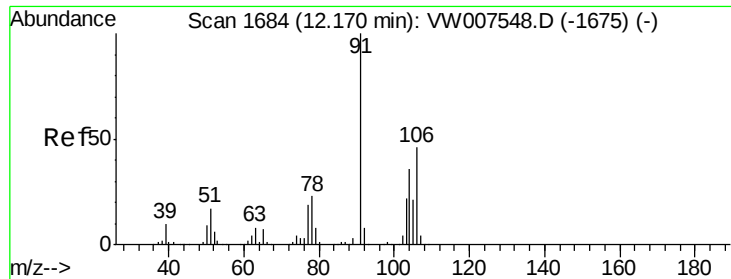
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#68
m/p-Xylenes
Concen: 1447.675 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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





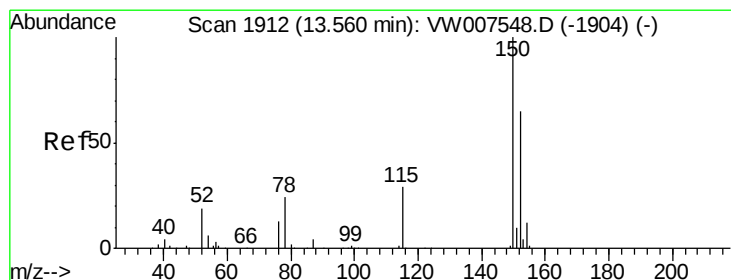
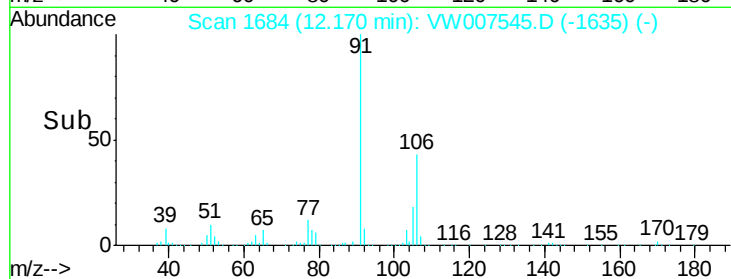
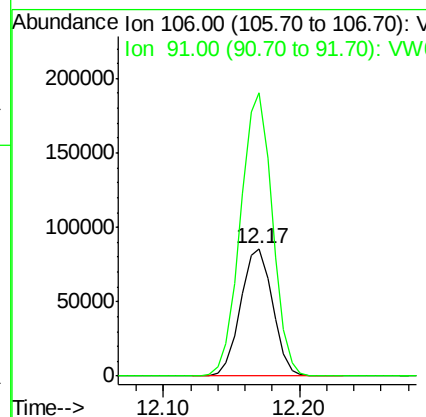
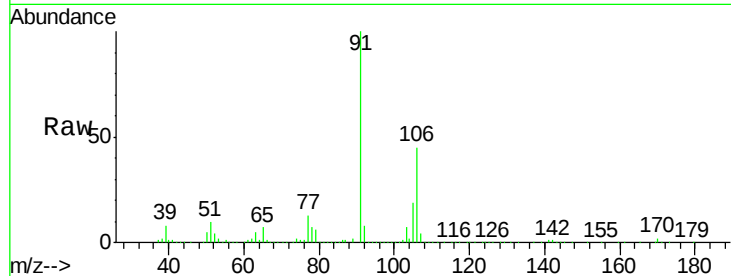
#69
o-Xylene
Concen: 162.053 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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

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

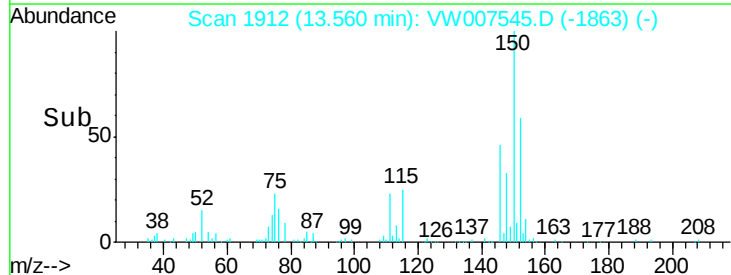
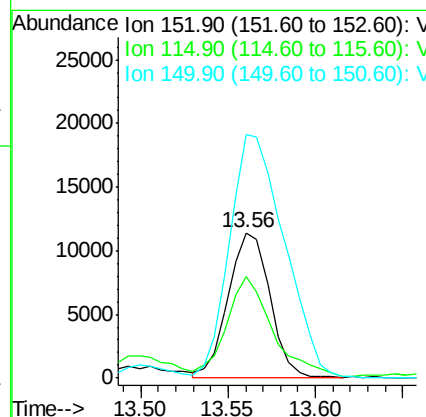
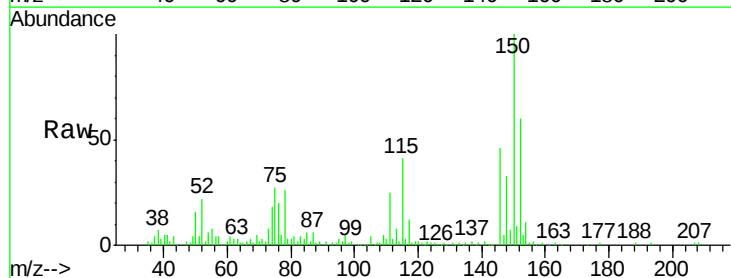
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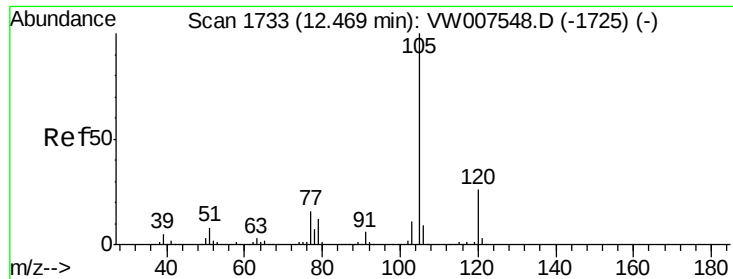
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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





#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 :

MSVOA_W

ClientSampleId :

P001-SD001-0006-01

Tgt Ion: 105 Resp: 13031

Ion Ratio Lower Upper

105 100

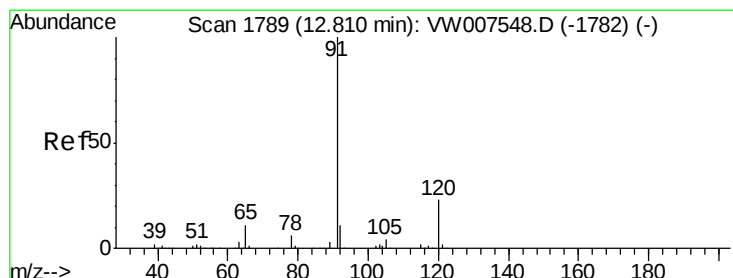
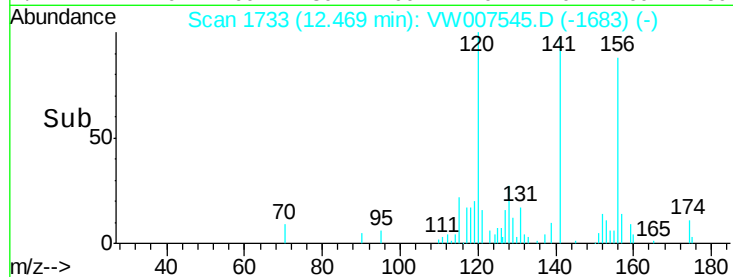
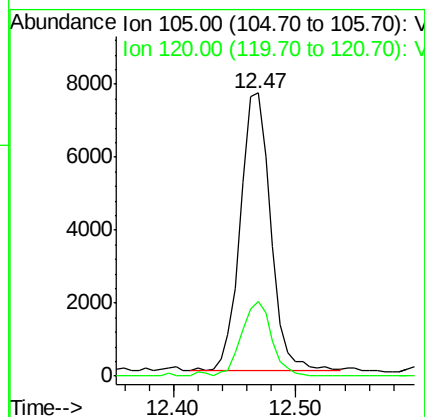
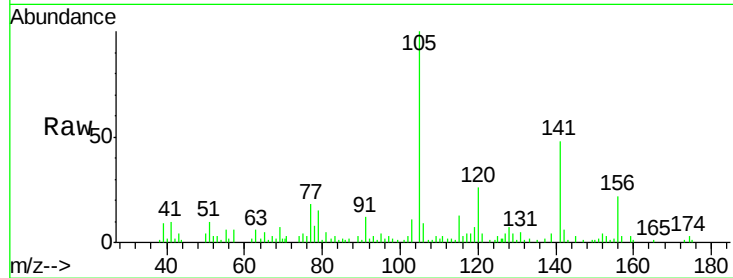
120 26.9 12.8 38.4

Manual Integrations

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#78

n-propylbenzene

Concen: 12.829 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007545.D

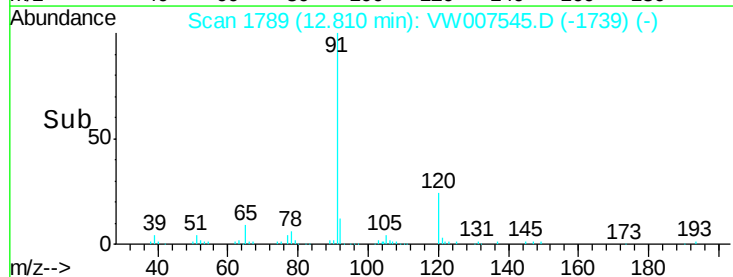
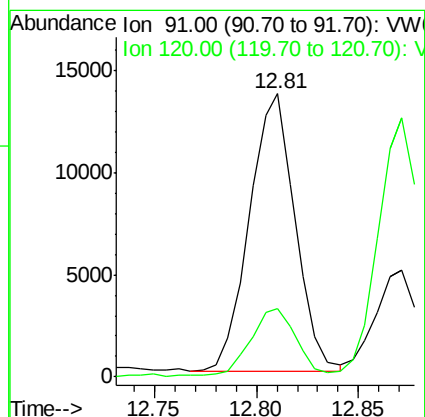
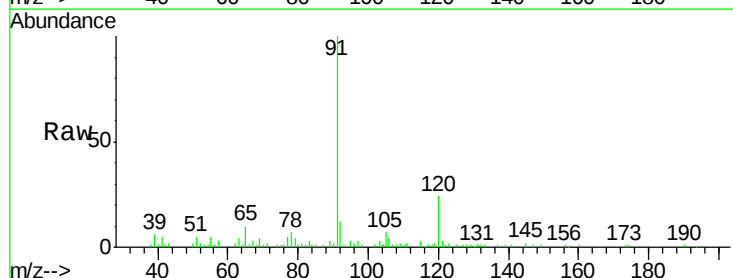
Acq: 14 Dec 2018 19:27

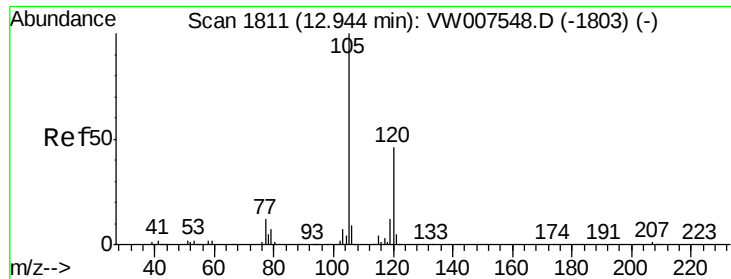
Tgt Ion: 91 Resp: 21084

Ion Ratio Lower Upper

91 100

120 25.4 11.9 35.5





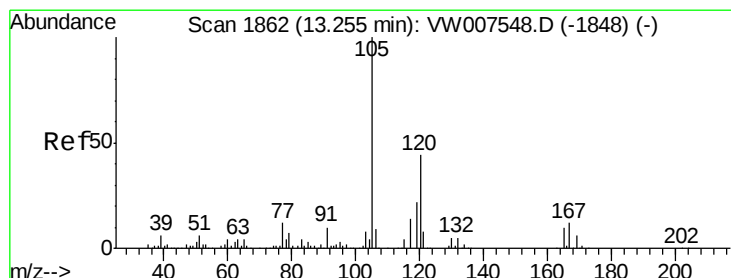
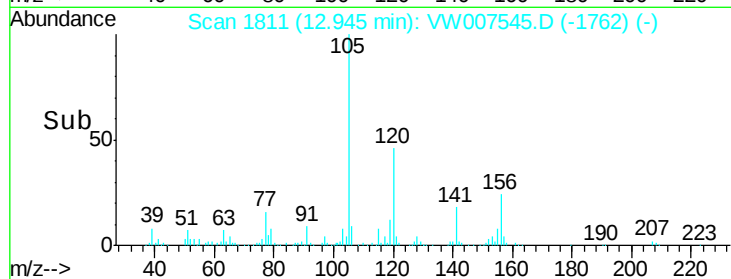
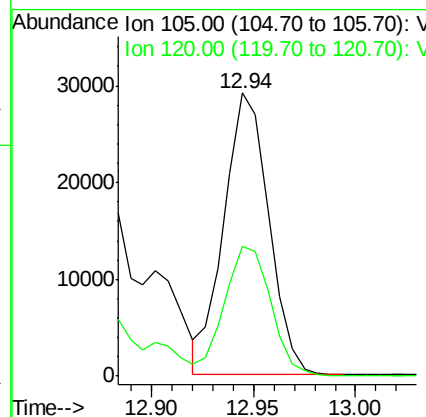
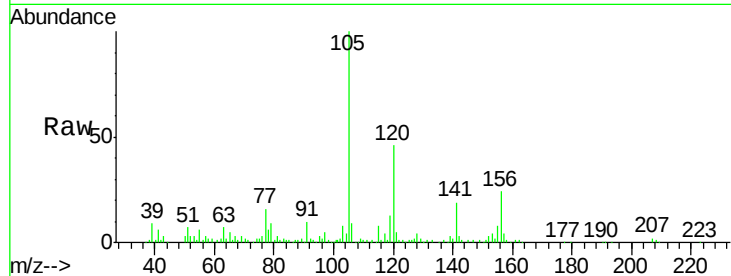
#80
 1,3,5-Trimethylbenzene
 Concen: 36.237 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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

Tgt Ion:105 Resp: 44463
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.4

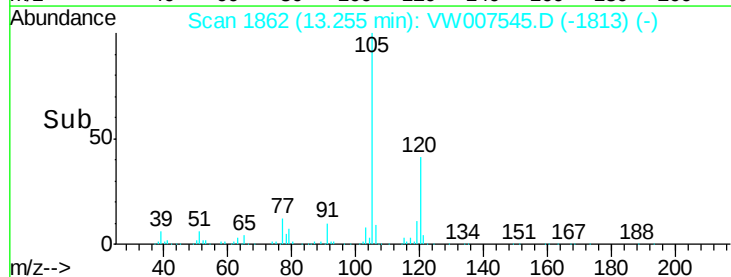
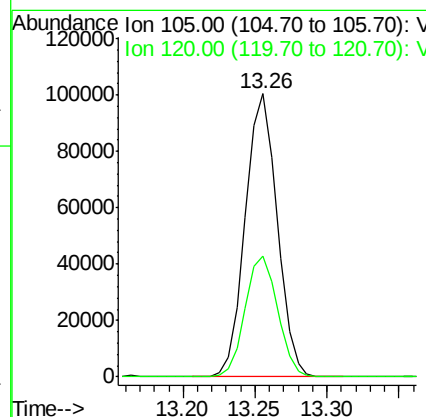
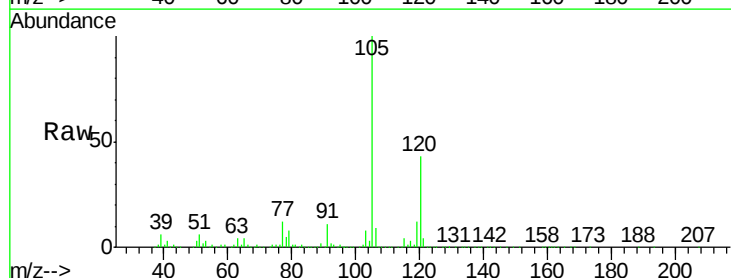
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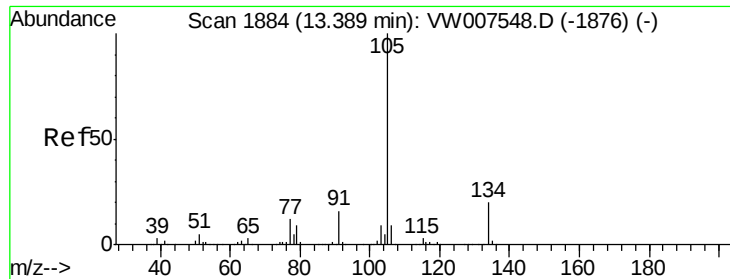
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#84
 1,2,4-Trimethylbenzene
 Concen: 121.658 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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





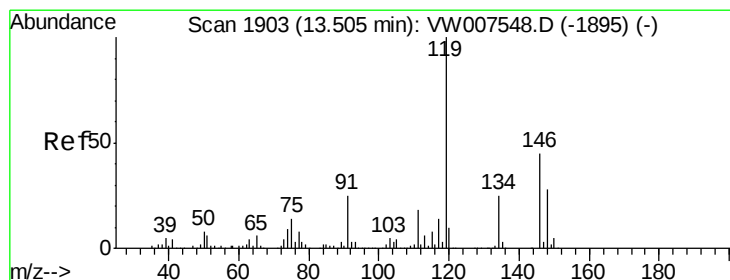
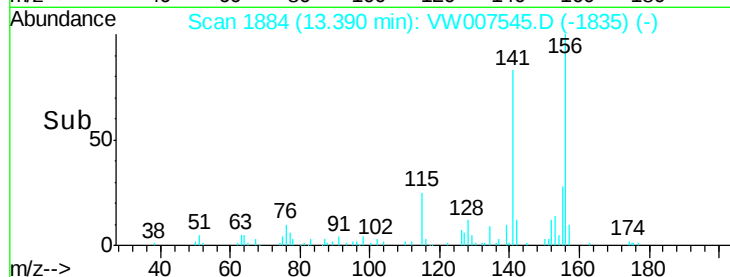
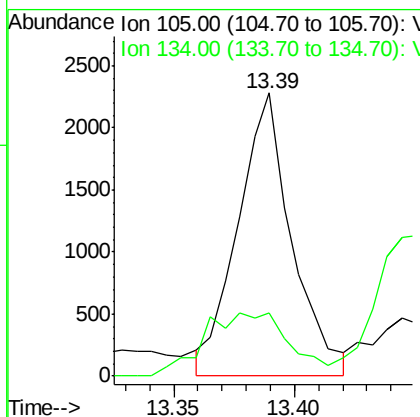
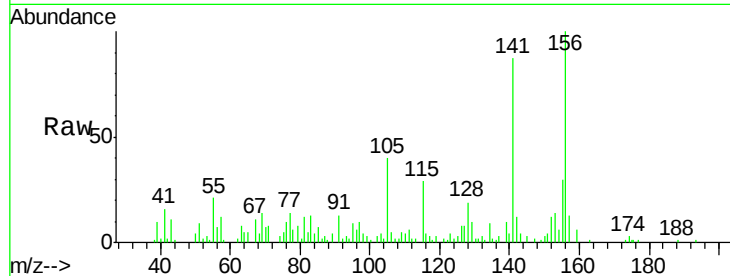
#85
 sec-Butylbenzene
 Concen: 2.394 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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

Tgt Ion:105 Resp: 3534
 Ion Ratio Lower Upper
 105 100
 134 0.0 11.1 33.3#

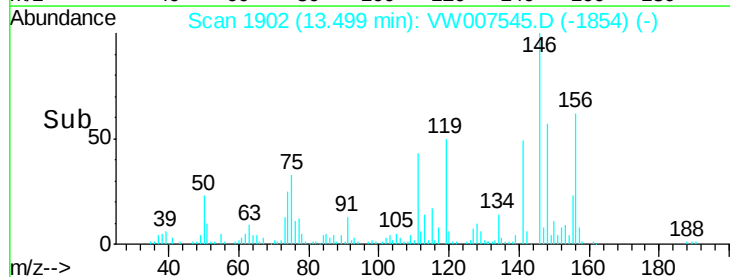
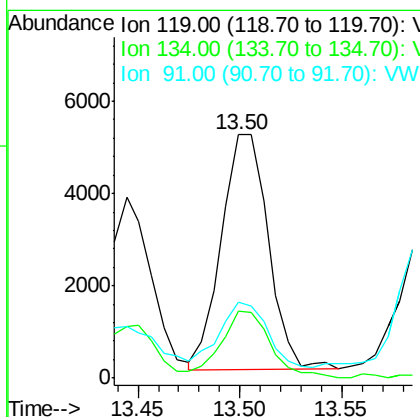
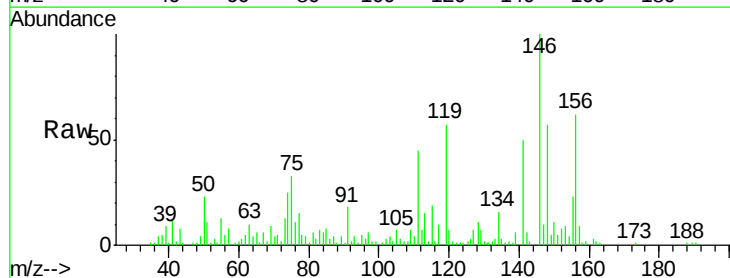
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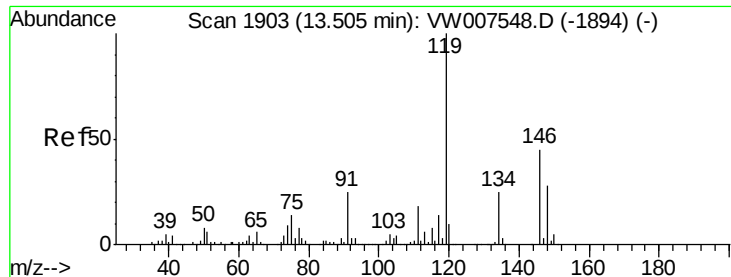
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#86
 p-Isopropyltoluene
 Concen: 6.130 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007545.D
 Acq: 14 Dec 2018 19:27

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

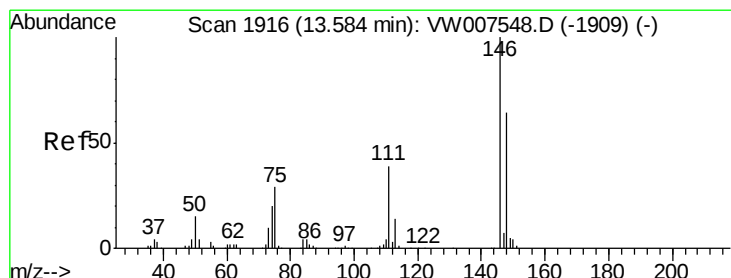
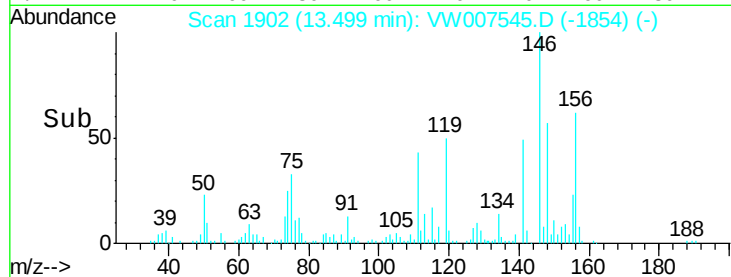
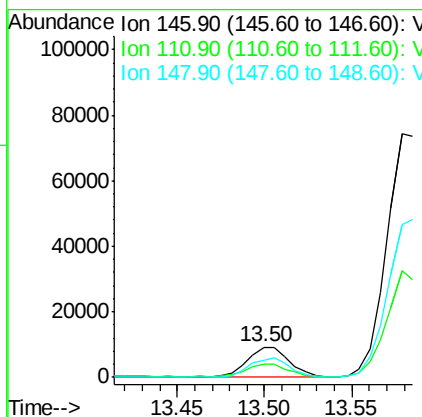
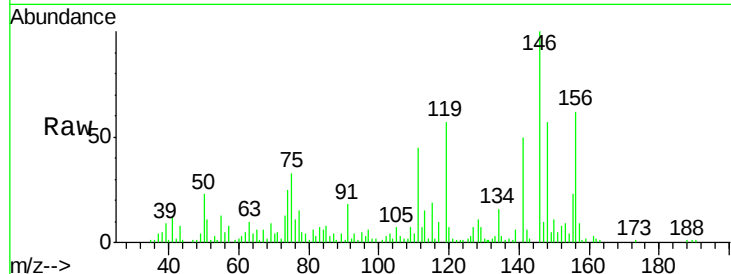
Instrument :
MSVOA_W

ClientSampleId :
P001-SD001-0006-01

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

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#88

1,4-Dichlorobenzene

Concen: 188.344 ug/l

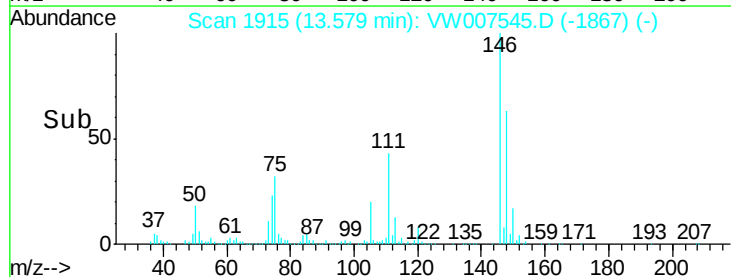
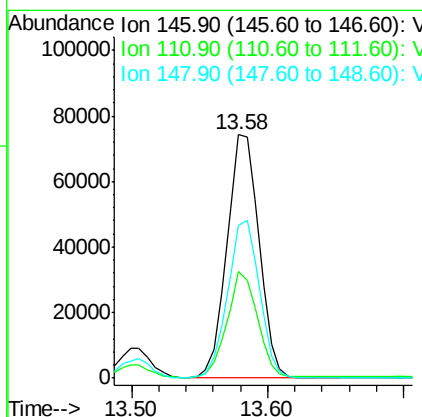
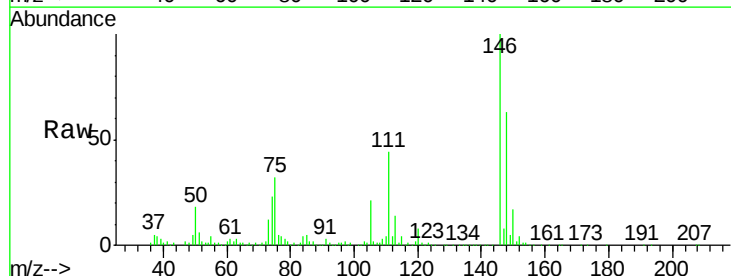
RT: 13.58 min Scan# 1915

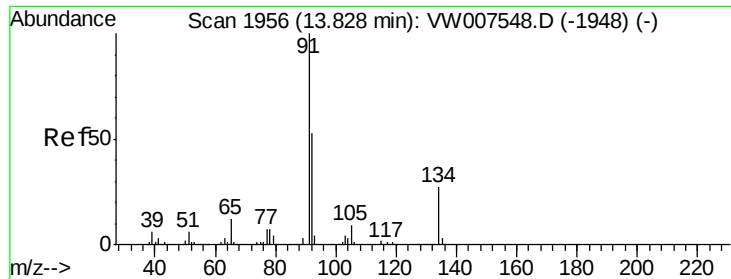
Delta R.T. -0.01 min

Lab File: VW007545.D

Acq: 14 Dec 2018 19:27

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





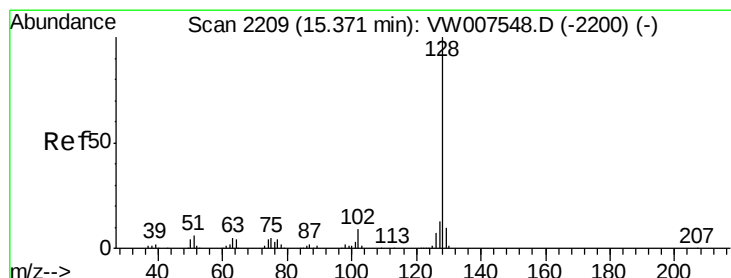
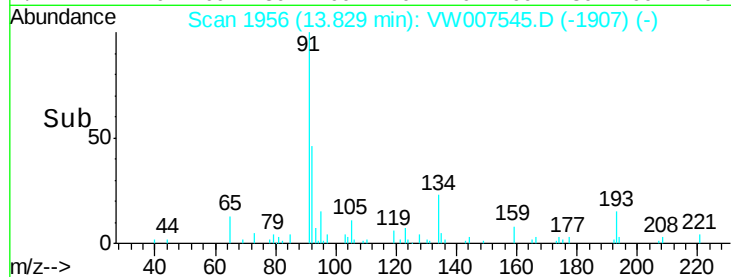
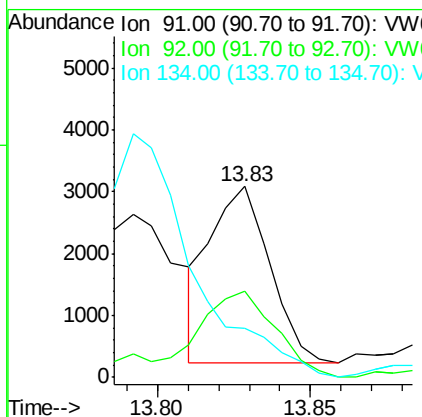
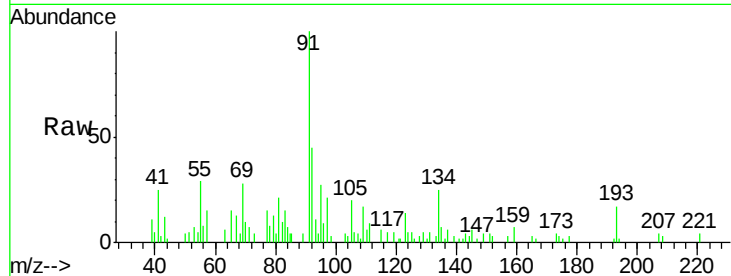
#89
n-Butylbenzene
Concen: 3.123 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007545.D
Acq: 14 Dec 2018 19:27

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

Tgt Ion	Ratio	Lower	Upper
91	100		
92	71.3	25.7	77.1
134	0.0	13.4	40.2#

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#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	Ratio	Lower	Upper
128	100		
127	15.1	10.2	15.4
129	13.0	8.3	12.5#

