

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007794.D
 Acq On : 21 Dec 2018 14:26
 Operator : SY/AP
 Sample : J6426-07
 Misc : 5.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Manual Integrations
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MMDadoda
 12/26/2018 4:34:00 PM

Quant Time: Dec 25 00:20:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	41444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	71923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8663	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	29159	64.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.38%	
35) Dibromofluoromethane	7.88	113	23153	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.34	98	51116	30.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	61.80%	
62) 4-Bromofluorobenzene	12.62	95	13591	21.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	623824	7333.784	ug/l	96
25) 2-Butanone	7.17	43	202001	2027.468	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	57193	119.372	ug/l	94
31) Cyclohexane	7.95	56	98639	145.873	ug/l	98
39) Methylcyclohexane	9.34	83	150163	174.082	ug/l	96
40) Benzene	8.32	78	27262	14.717	ug/l	98
52) Toluene	10.40	92	34646252	27876.418	ug/l #	1
64) Tetrachloroethene	10.87	164	10325	41.975	ug/l	98
65) Chlorobenzene	11.66	112	87473	116.343	ug/l	100
67) Ethyl Benzene	11.74	91	13457038	10430.332	ug/l	99
68) m/p-Xylenes	11.86	106	20825434	41610.850	ug/l #	1
69) o-Xylene	12.18	106	9163696	19533.108	ug/l	85
73) Isopropylbenzene	12.47	105	270355	412.865	ug/l	95
78) n-propylbenzene	12.81	91	335623	440.300	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	443607	785.375	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1338138	2347.818	ug/l	99
85) sec-Butylbenzene	13.39	105	31863m	46.650	ug/l	
86) p-Isopropyltoluene	13.50	119	239756	386.028	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	3902m	13.096	ug/l	
88) 1,4-Dichlorobenzene	13.58	146	26888	90.214	ug/l	85
89) n-Butylbenzene	13.83	91	36444m	63.998	ug/l	
91) 1,2-Dichlorobenzene	13.87	146	23169	86.848	ug/l #	79
93) 1,2,4-Trichlorobenzene	15.14	180	137551	742.786	ug/l	89
95) Naphthalene	15.38	128	775484	2265.038	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	31495	198.686	ug/l #	56

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

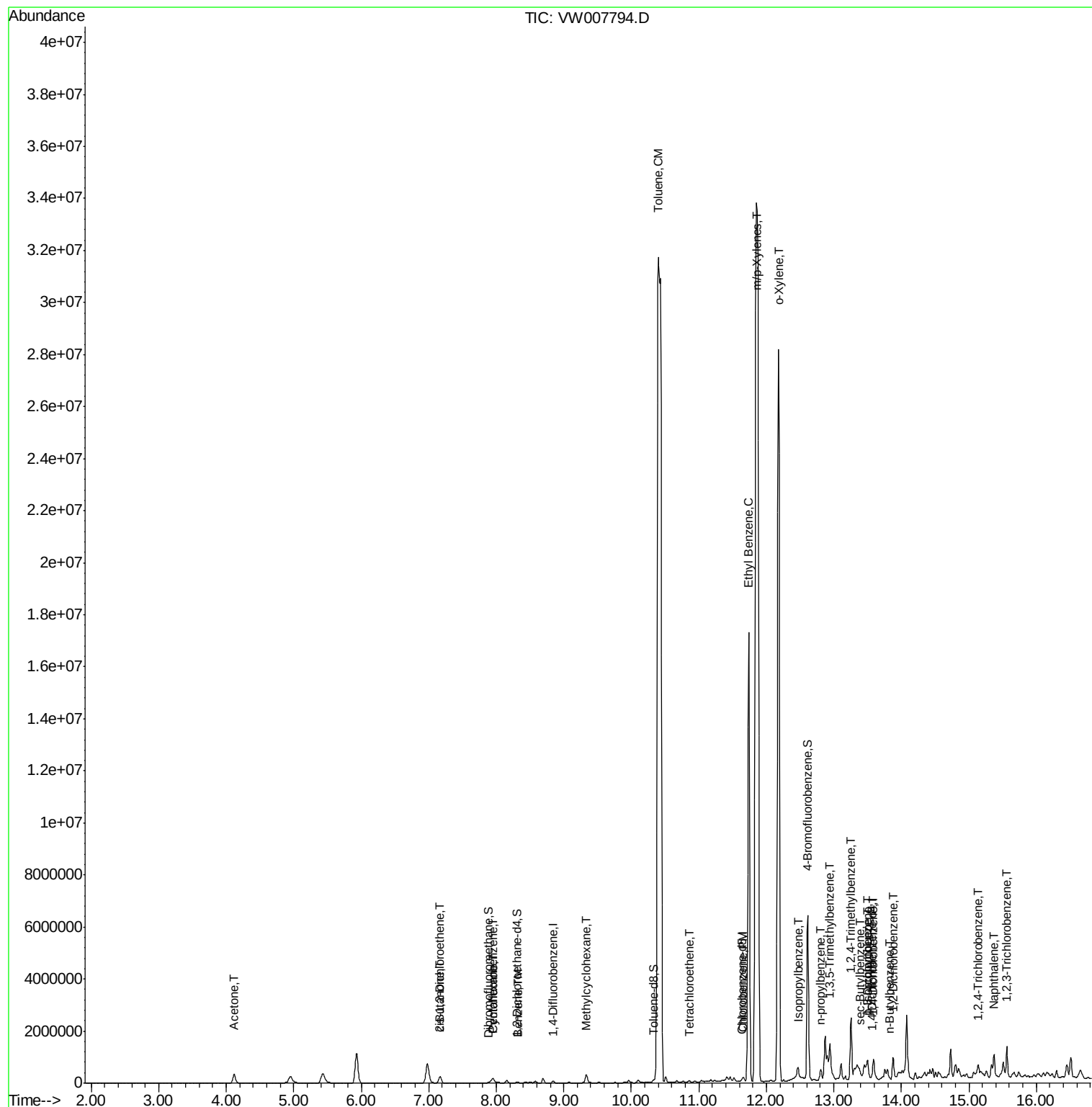
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
Data File : VW007794.D
Acq On : 21 Dec 2018 14:26
Operator : SY/AP
Sample : J6426-07
Misc : 5.13G/5ML/MSVOA_W/SOIL
ALS Vial : 56 Sample Multiplier: 1

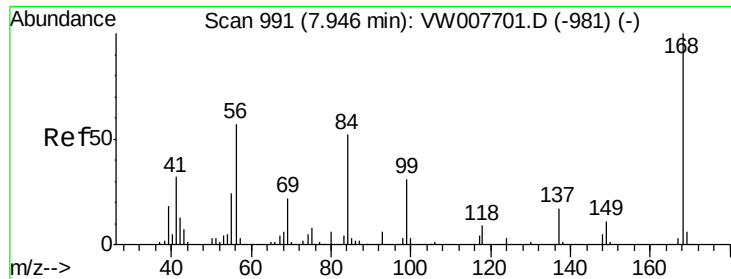
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

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Quant Time: Dec 25 00:20:58 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013-2430-01

Tgt Ion:168 Resp: 41444

Ion Ratio Lower Upper

168 100

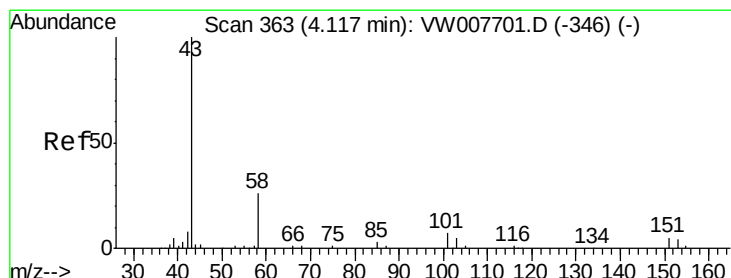
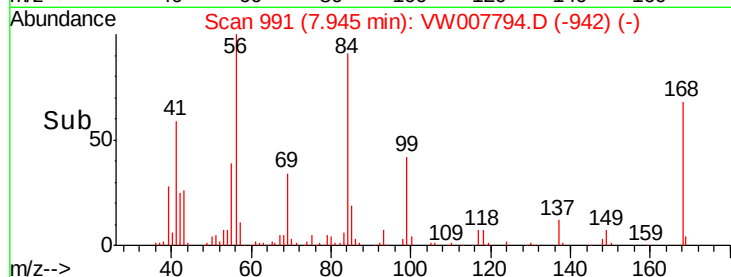
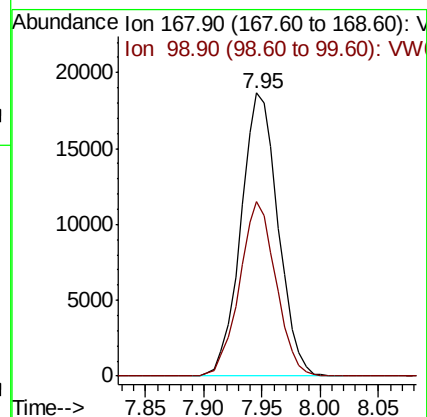
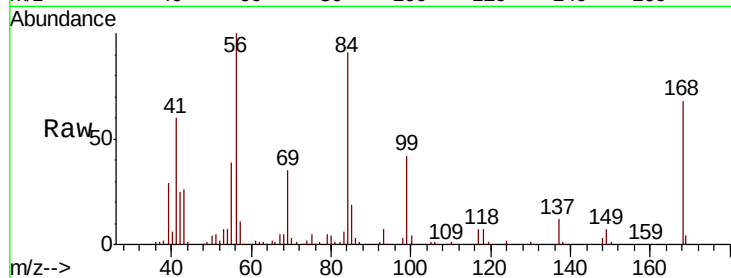
99 61.9 54.0 81.0

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#16

Acetone

Concen: 7333.784 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007794.D

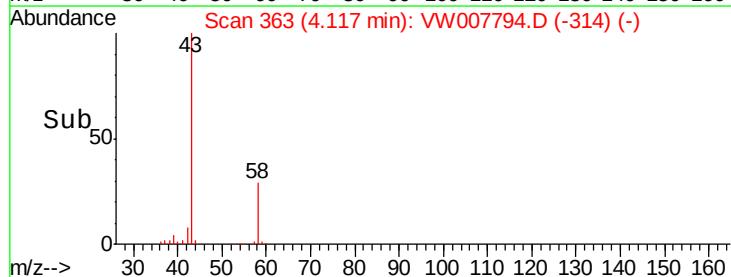
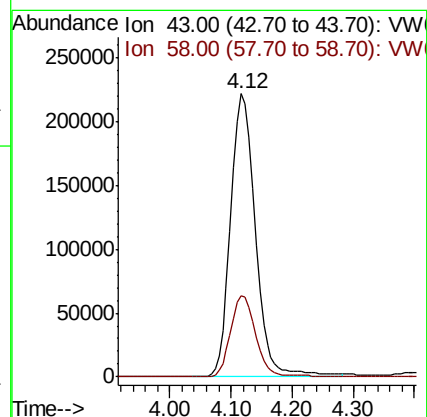
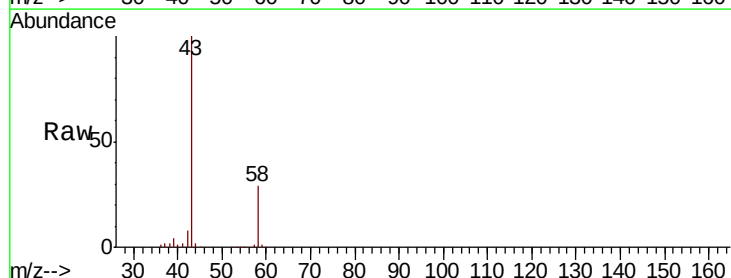
Acq: 21 Dec 2018 14:26

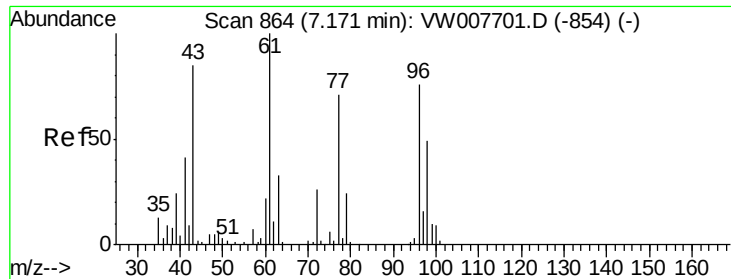
Tgt Ion: 43 Resp: 623824

Ion Ratio Lower Upper

43 100

58 28.7 21.2 31.8





#25

2-Butanone

Concen: 2027.468 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

ClientSampleId :

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Tgt Ion: 43 Resp: 202001

Ion Ratio Lower Upper

43 100

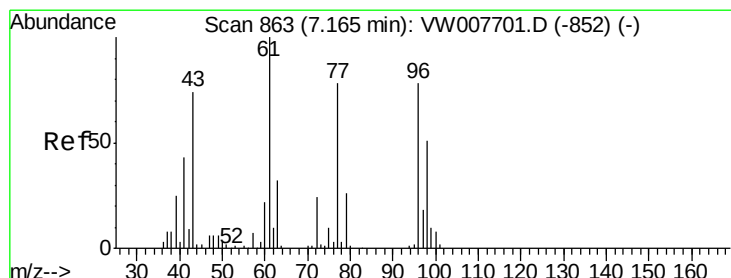
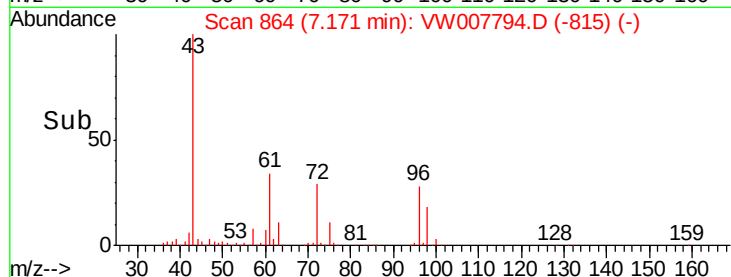
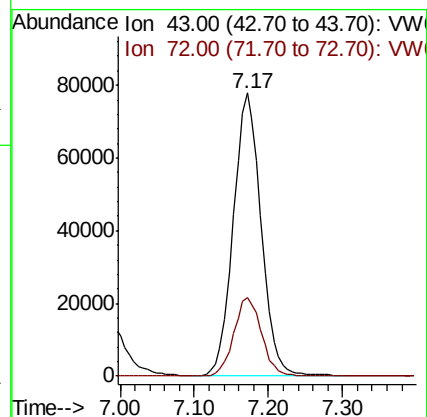
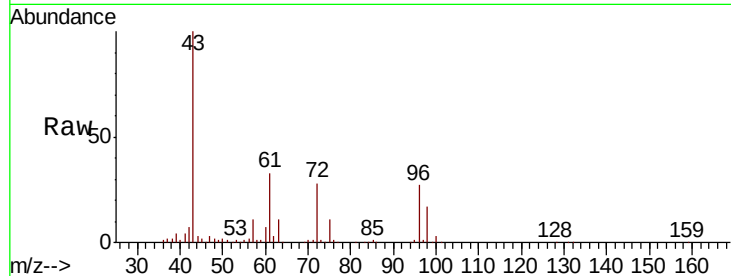
72 28.0 24.5 36.7

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#27

cis-1,2-Dichloroethene

Concen: 119.372 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

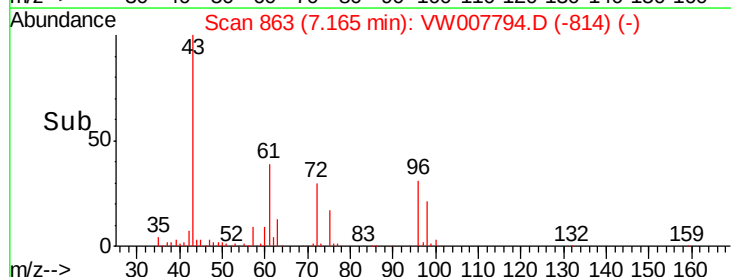
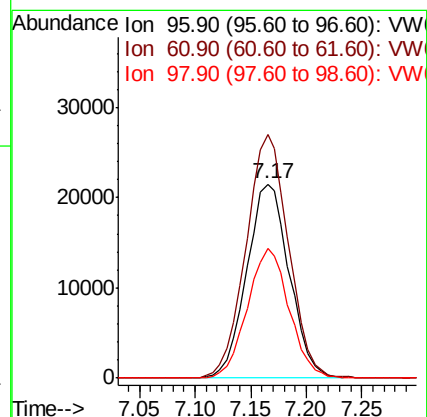
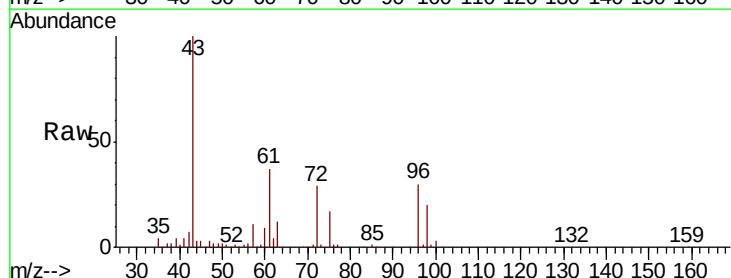
Tgt Ion: 96 Resp: 57193

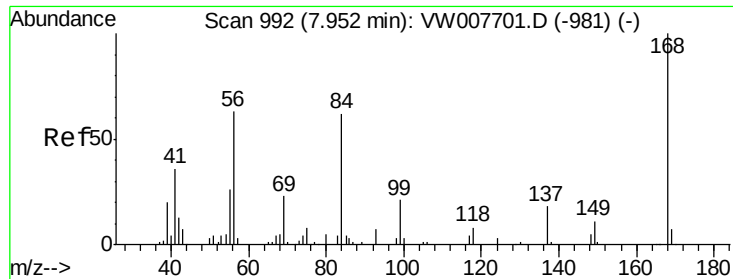
Ion Ratio Lower Upper

96 100

61 125.3 0.0 271.6

98 65.5 0.0 131.2





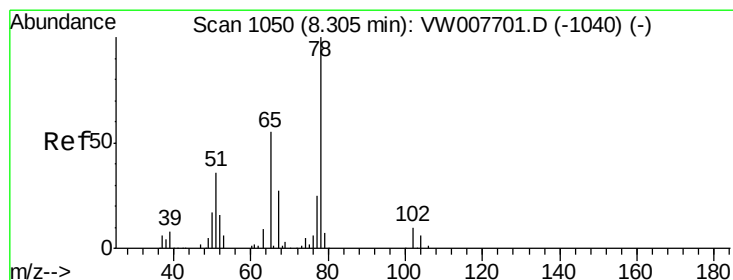
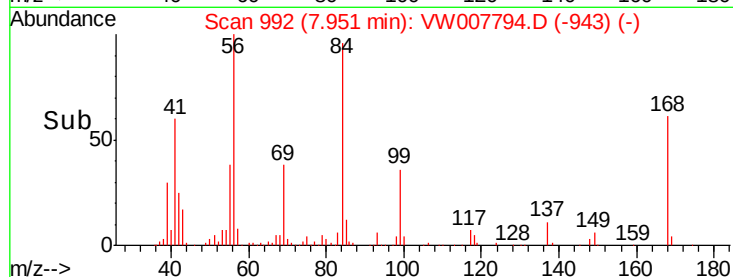
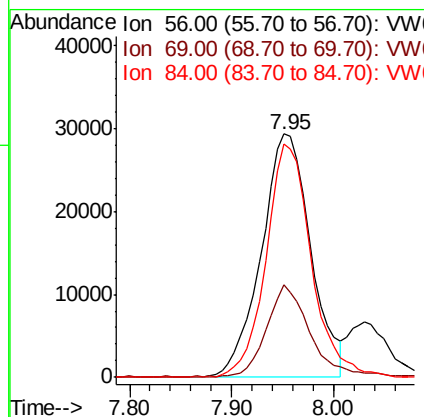
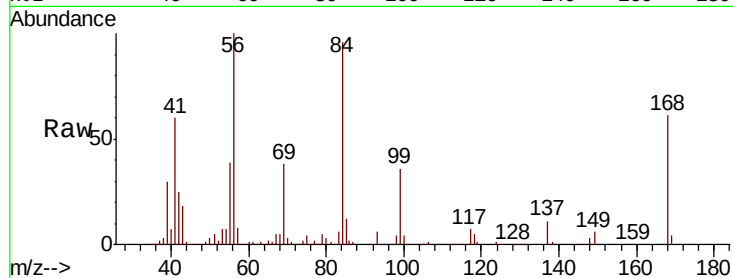
#31
Cyclohexane
Concen: 145.873 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.7	29.7	44.5
84	96.0	78.9	118.3

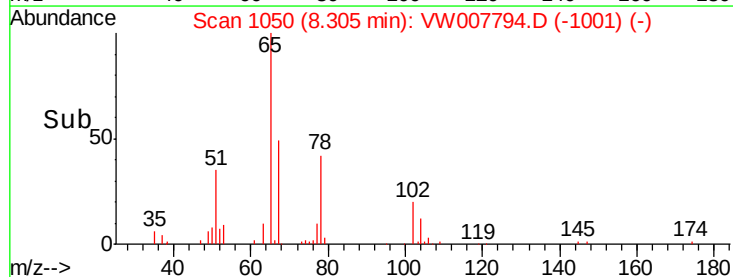
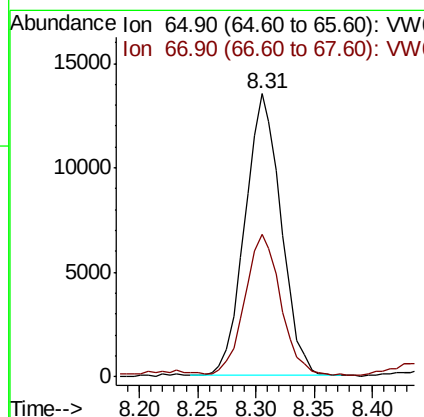
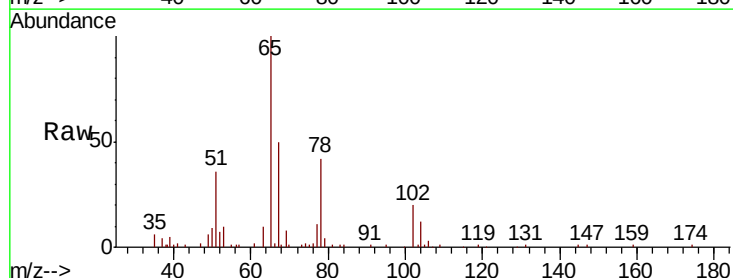
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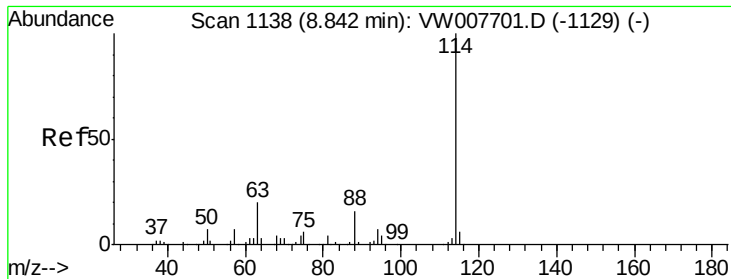
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#33
1,2-Dichloroethane-d4
Concen: 64.192 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	100.6





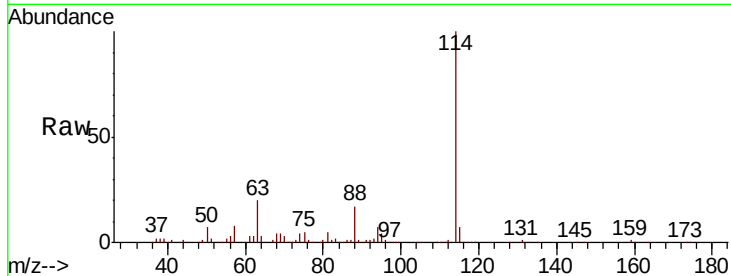
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

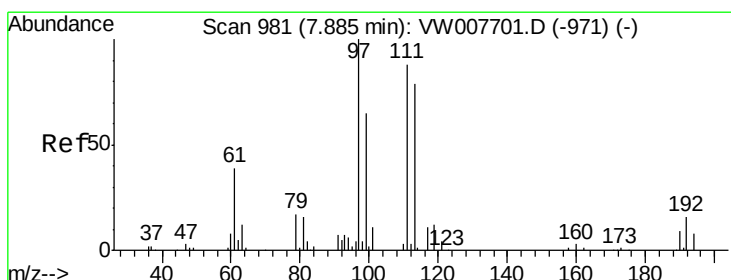
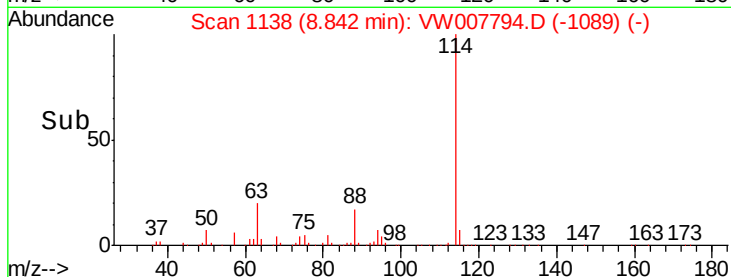
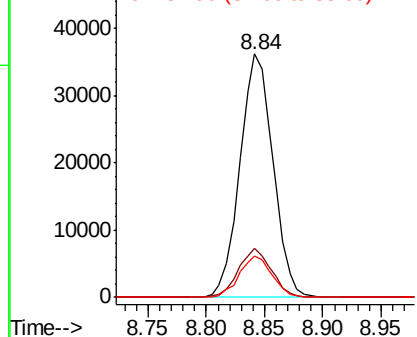
Tgt Ion	Ratio	Resp	Lower	Upper
114	100	71923		
63	20.1		0.0	40.0
88	17.0		0.0	32.6

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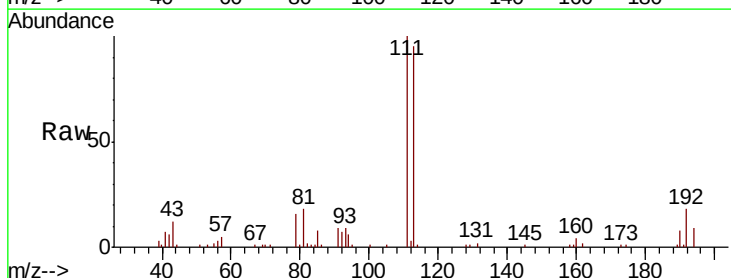


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

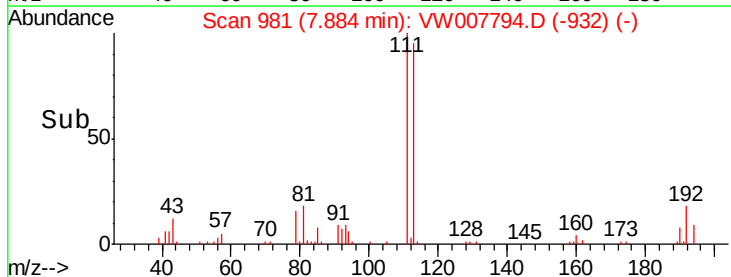
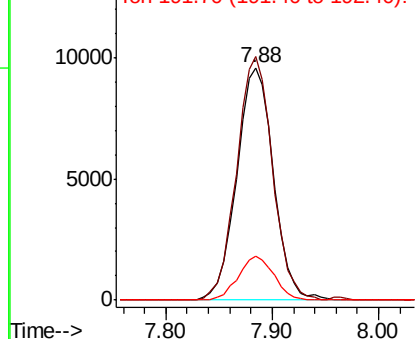


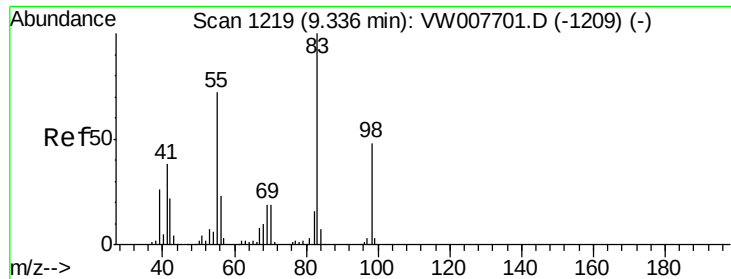
#35
 Dibromofluoromethane
 Concen: 52.768 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	23153		
111	102.6		82.6	124.0
192	18.3		15.5	23.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





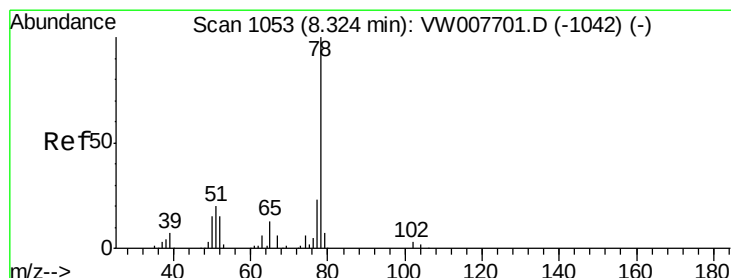
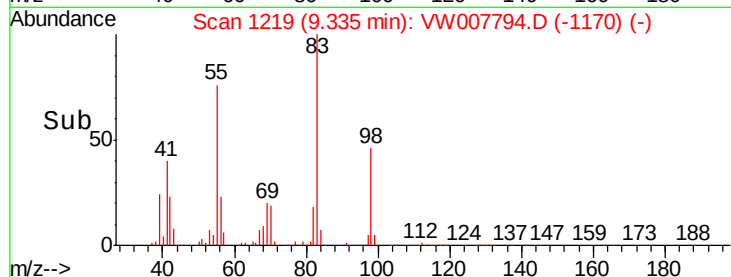
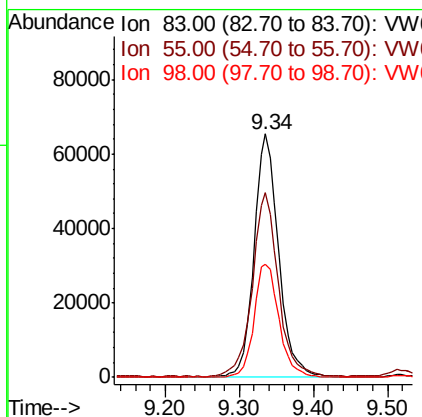
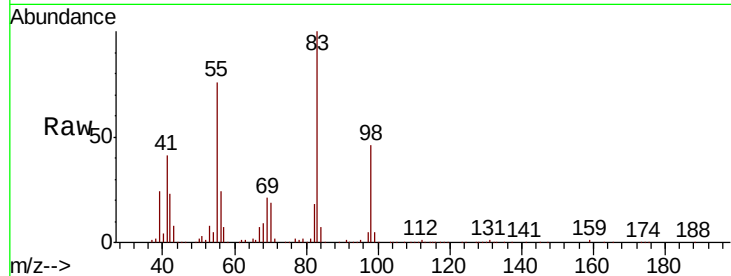
#39
Methylcyclohexane
Concen: 174.082 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
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Tgt Ion	Ratio	Resp	Lower	Upper
83	100	150163		
55	75.4		57.2	85.8
98	46.3		38.6	58.0

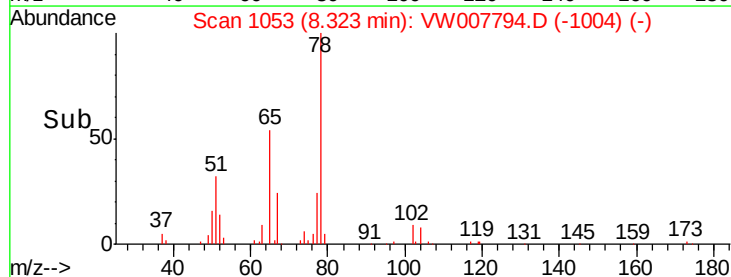
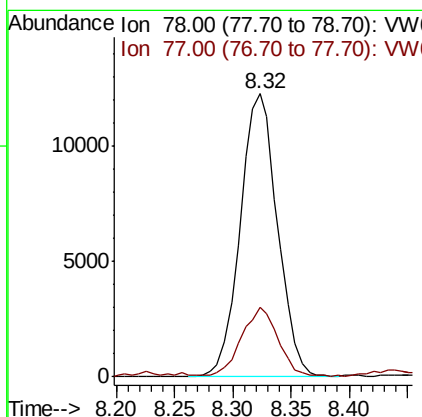
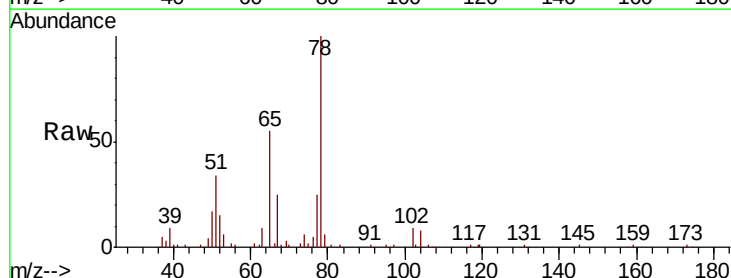
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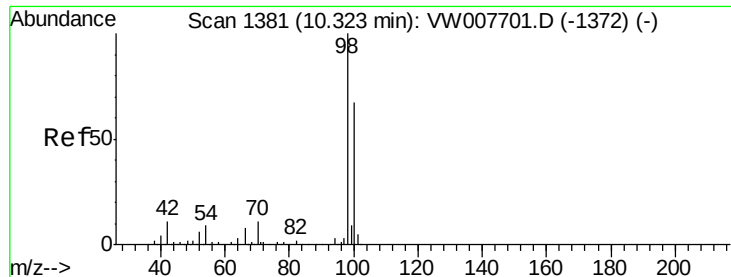
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#40
Benzene
Concen: 14.717 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	27262		
77	24.2		18.7	28.1





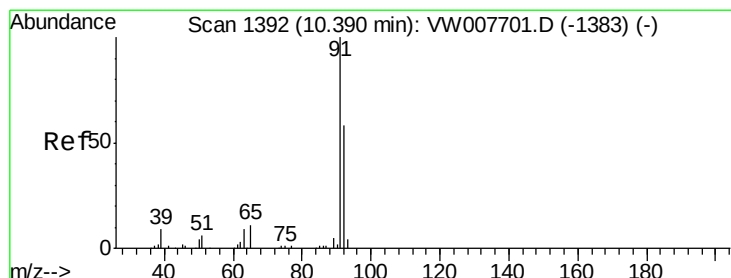
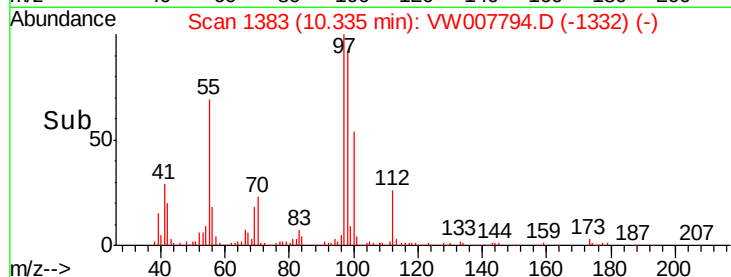
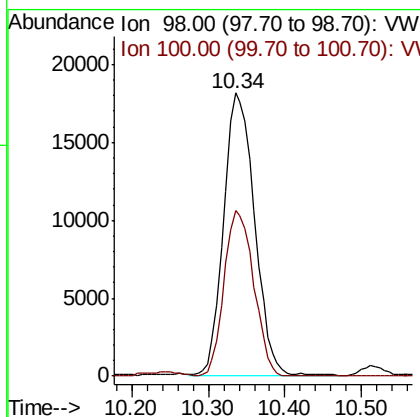
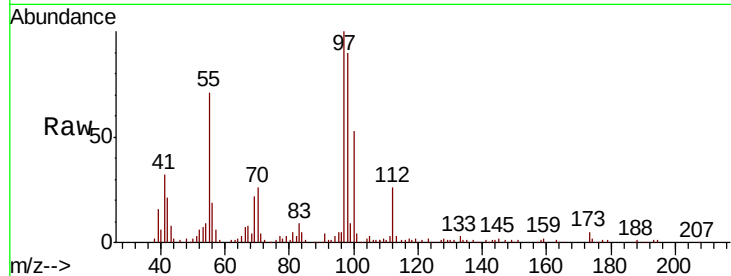
#50
Toluene-d8
Concen: 30.903 ug/l
RT: 10.34 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion: 98 Resp: 51116
Ion Ratio Lower Upper
98 100
100 55.5 52.2 78.2

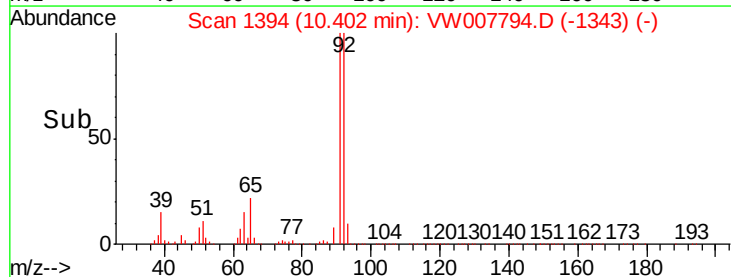
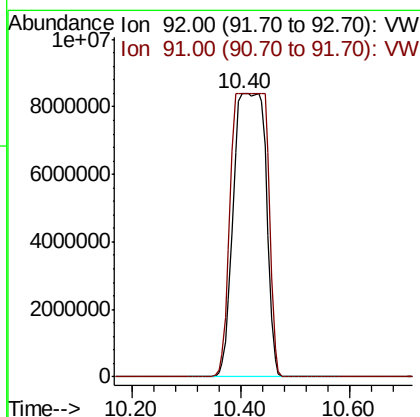
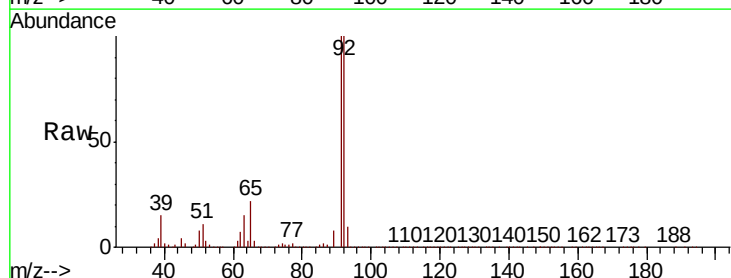
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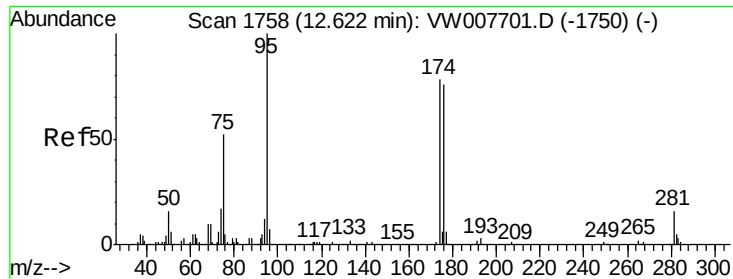
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12/26/2018 4:34:00 PM



#52
Toluene
Concen: 27876.418 ug/l
RT: 10.40 min Scan# 1394
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion: 92 Resp: 34646252
Ion Ratio Lower Upper
92 100
91 0.0 137.0 205.4#





#62

4-Bromofluorobenzene

Concen: 21.269 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

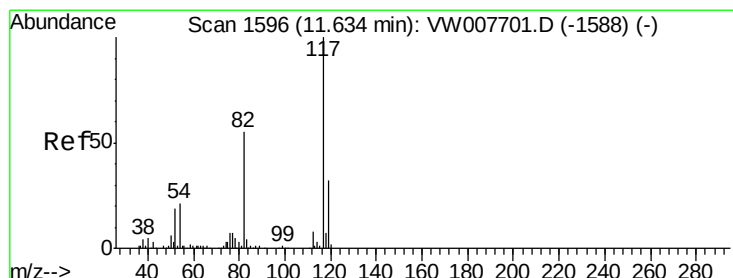
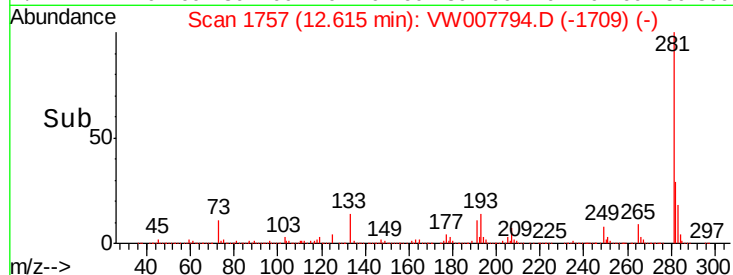
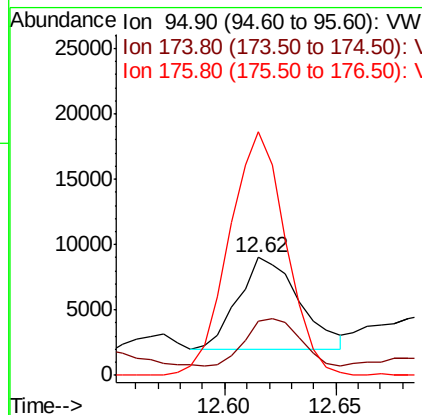
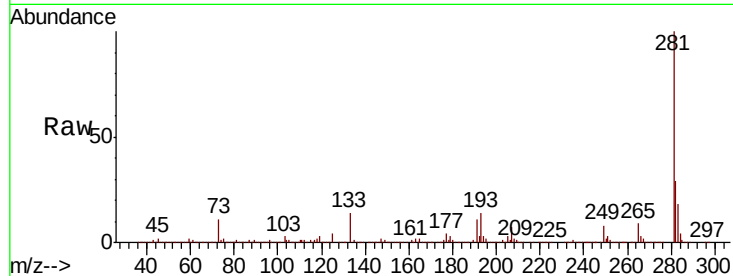
ClientSampleId :

P001-SS013-2430-01

Tgt Ion:	95	Resp:	13591
Ion Ratio	Lower	Upper	
95	100		
174	48.1	0.0	152.2
176	243.1	0.0	146.8#

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

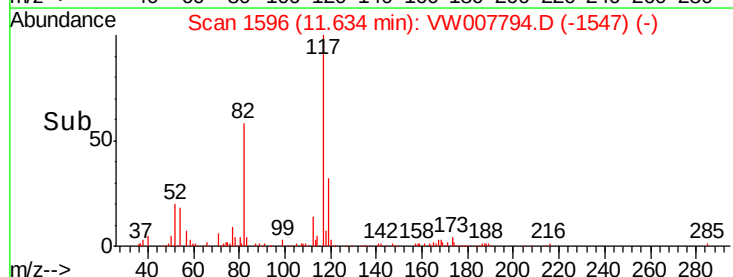
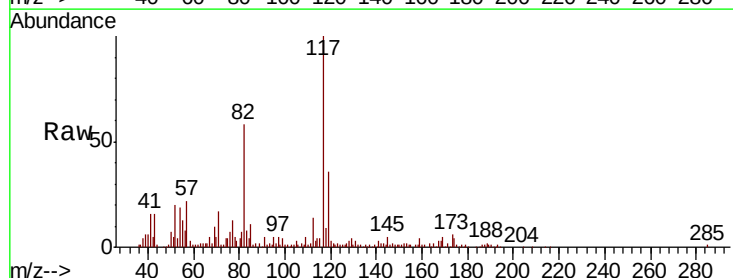
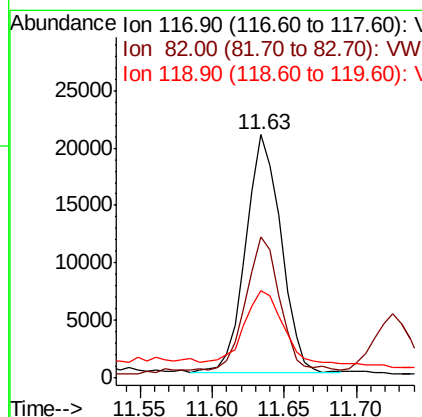
RT: 11.63 min Scan# 1596

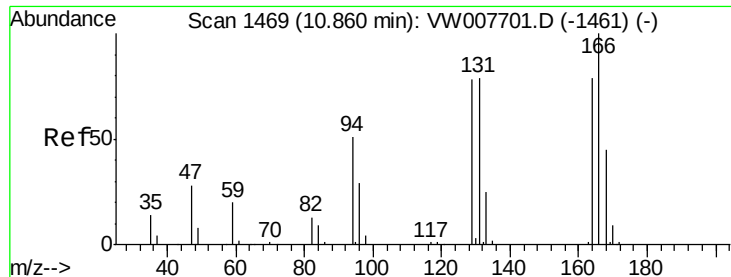
Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Tgt Ion:	117	Resp:	34737
Ion Ratio	Lower	Upper	
117	100		
82	56.3	44.3	66.5
119	31.1	25.7	38.5





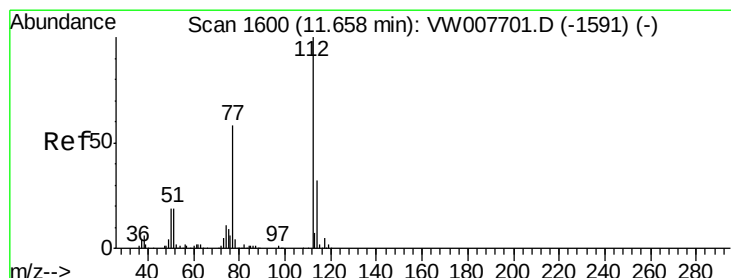
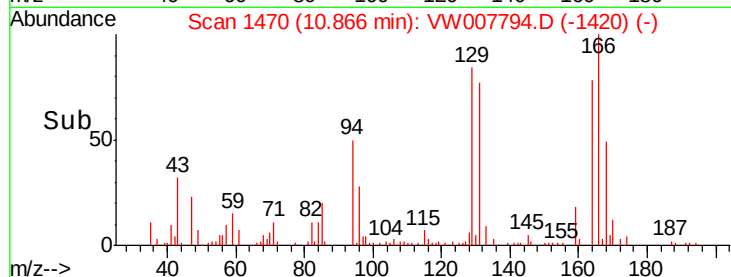
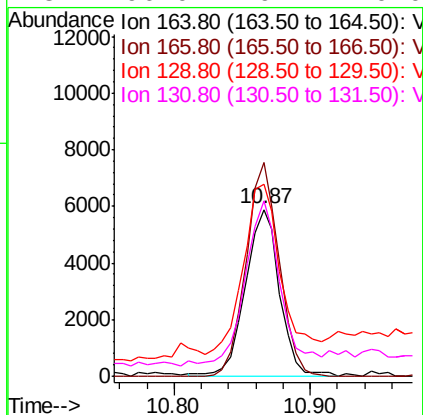
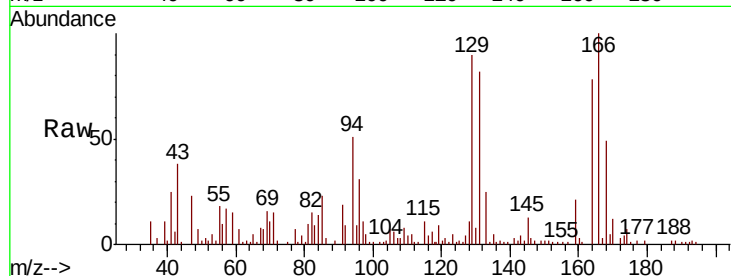
#64
Tetrachloroethene
Concen: 41.975 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.0	151.6
129	98.9	78.7	118.1
131	96.0	79.4	119.0

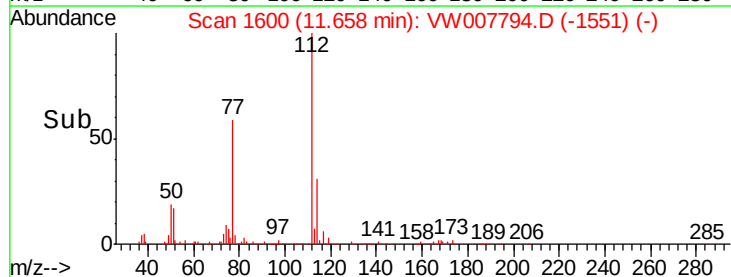
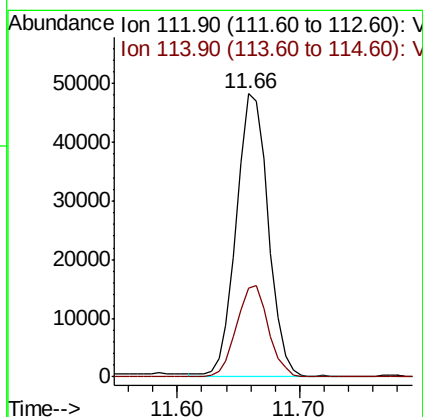
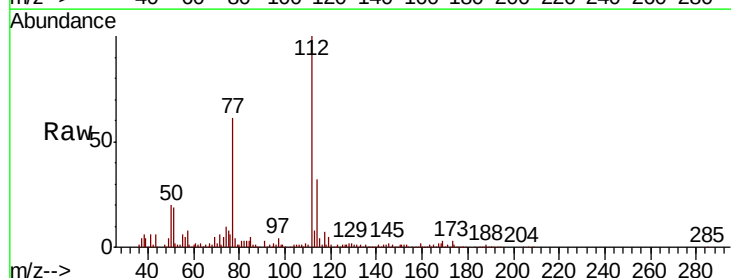
Manual Integrations
APPROVED

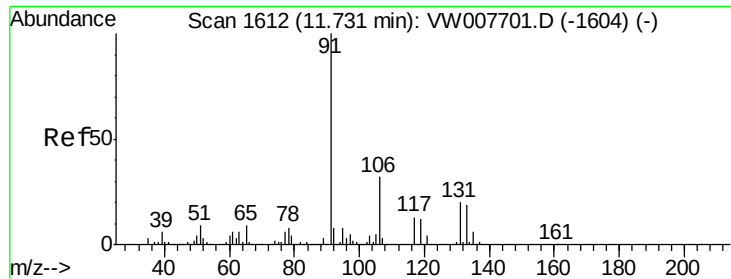
MMDadoda
12/26/2018 4:34:00 PM



#65
Chlorobenzene
Concen: 116.343 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.2	37.8





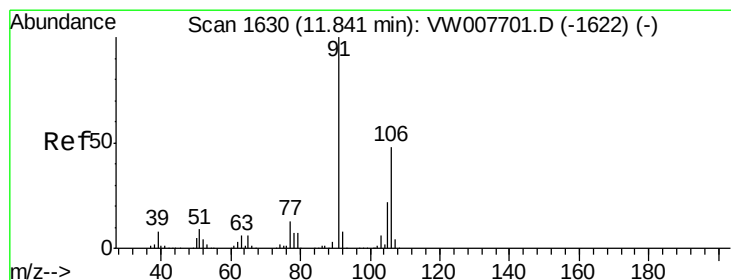
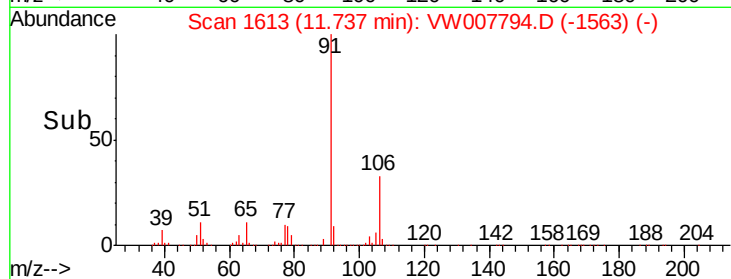
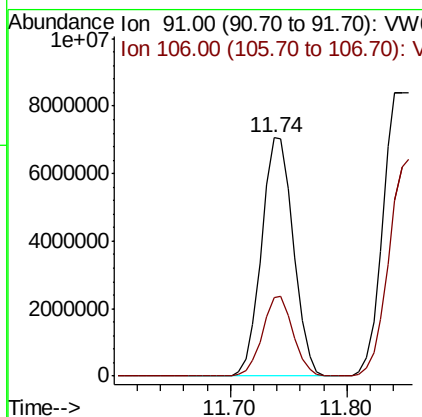
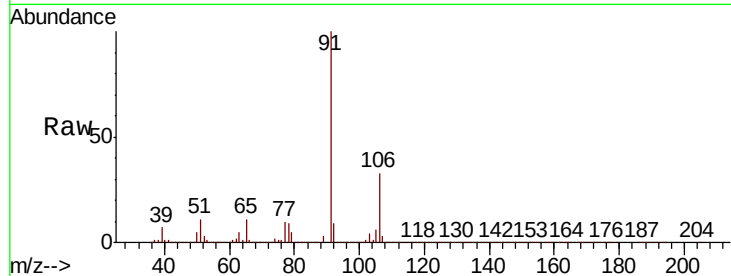
#67
Ethyl Benzene
Concen: 10430.332 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion: 91 Resp:13457038
Ion Ratio Lower Upper
91 100
106 33.1 25.8 38.8

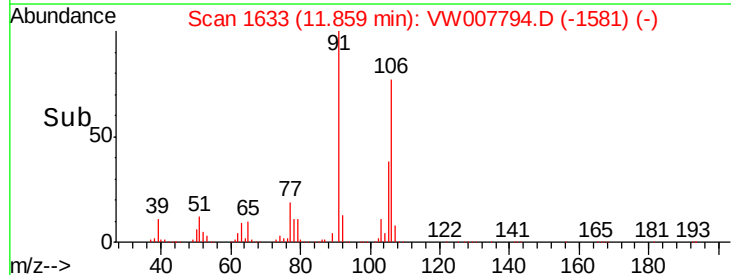
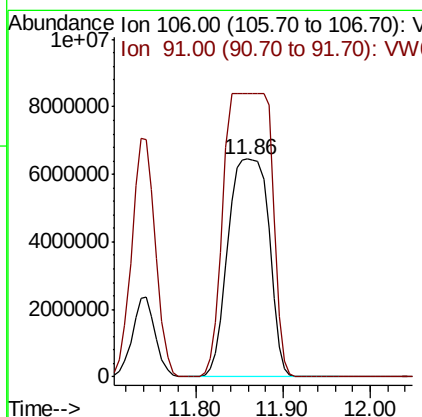
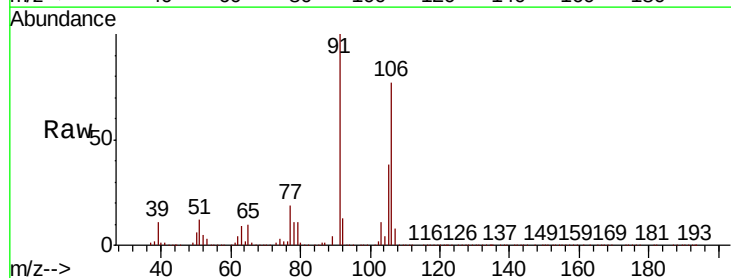
Manual Integrations
APPROVED

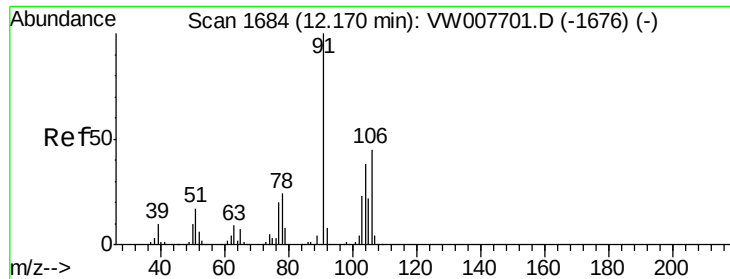
MMDadoda
12/26/2018 4:34:00 PM



#68
m/p-Xylenes
Concen: 41610.850 ug/l
RT: 11.86 min Scan# 1633
Delta R.T. 0.02 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:106 Resp:20825434
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#





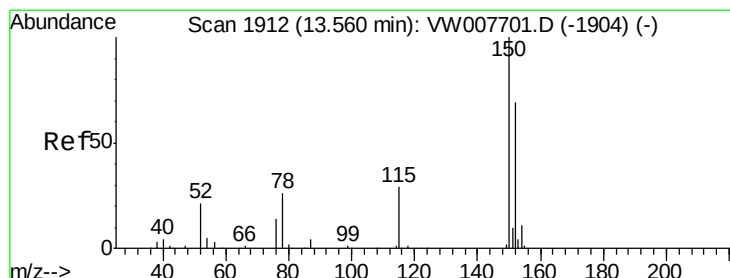
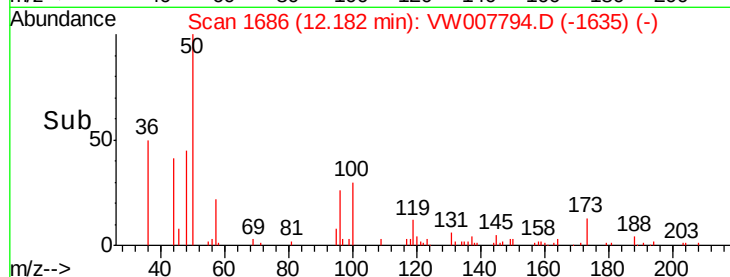
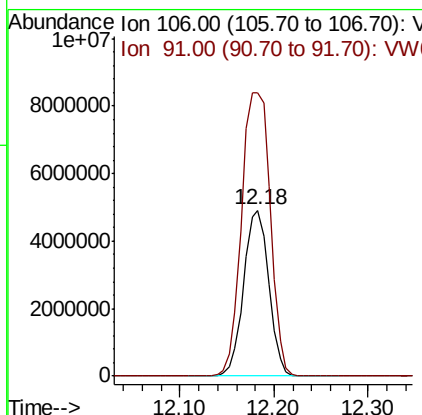
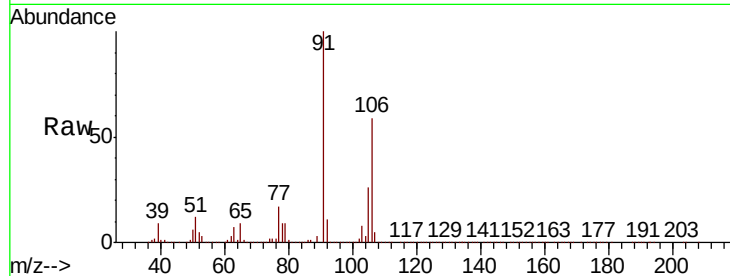
#69
o-Xylene
Concen: 19533.108 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion:106 Resp: 9163696
Ion Ratio Lower Upper
106 100
91 196.0 110.5 331.4

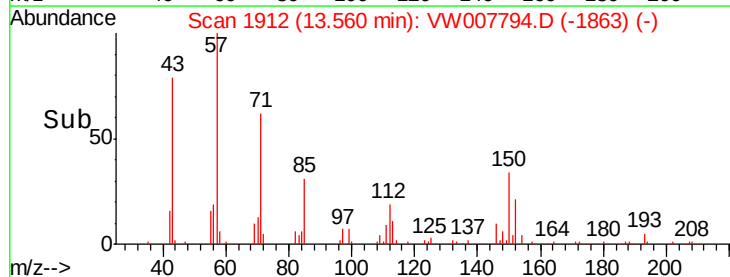
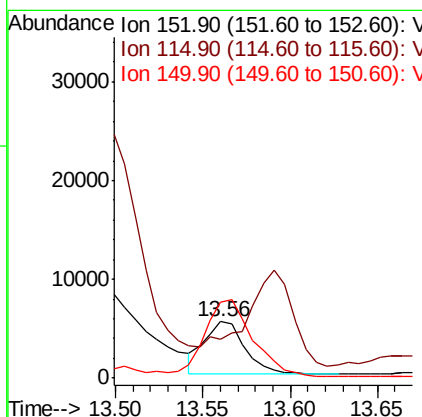
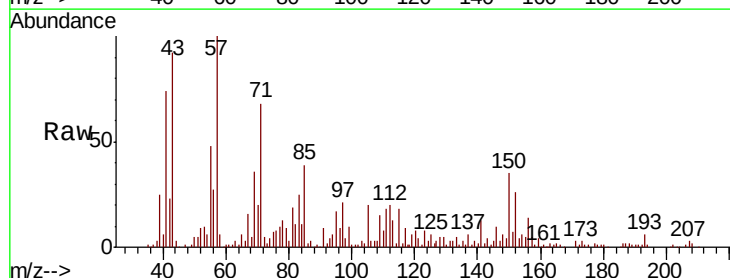
Manual Integrations
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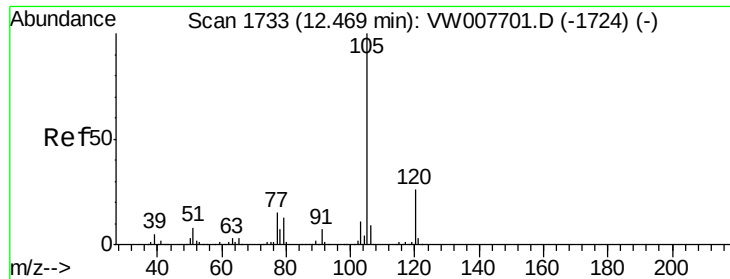
MMDadoda
12/26/2018 4:34:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion:152 Resp: 8663
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 171.6 0.0 350.8





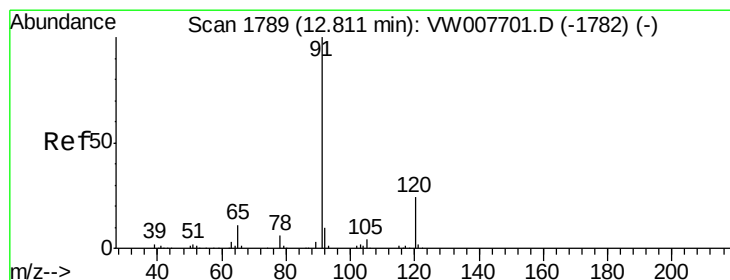
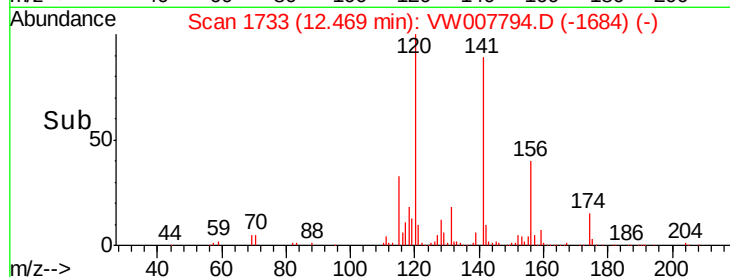
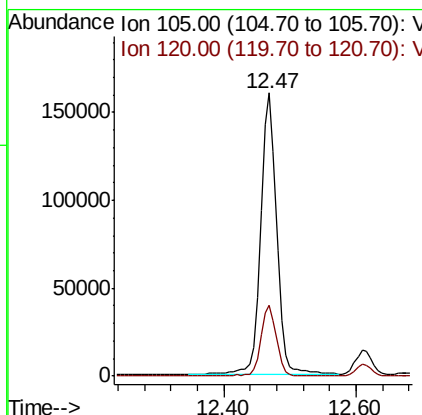
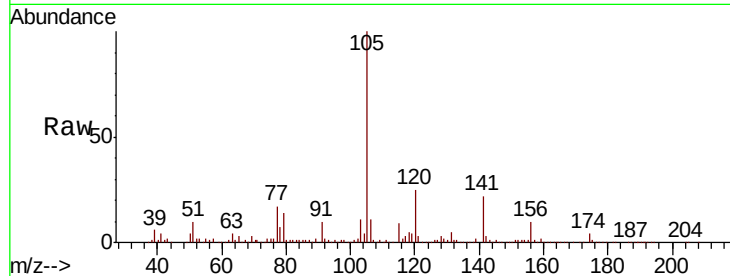
#73
Isopropylbenzene
Concen: 412.865 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.9	13.1	39.3

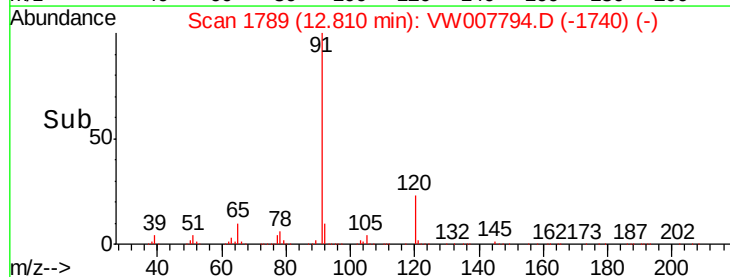
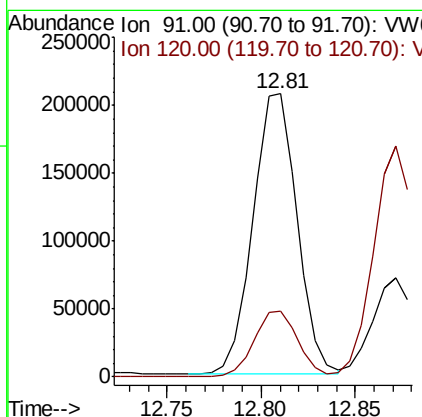
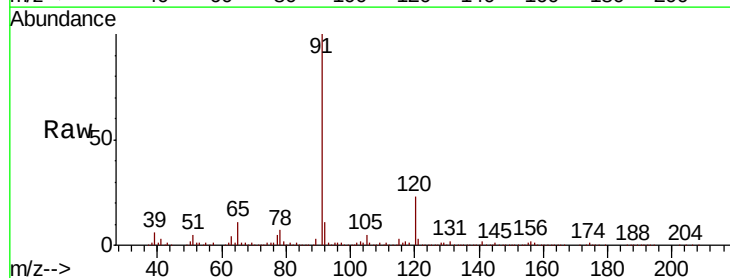
Manual Integrations
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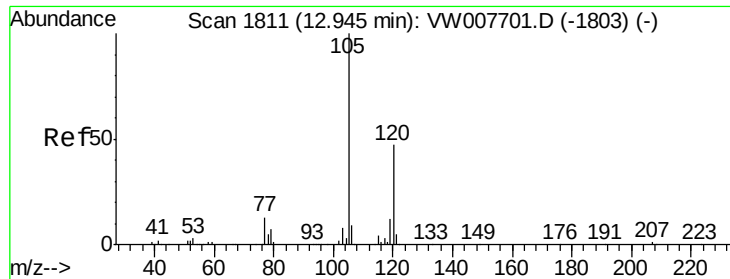
MMDadoda
12/26/2018 4:34:00 PM



#78
n-propylbenzene
Concen: 440.300 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.9	35.7





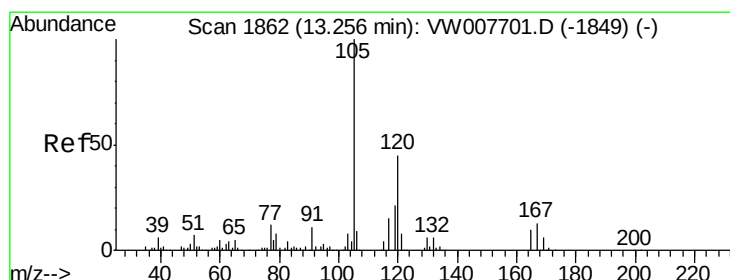
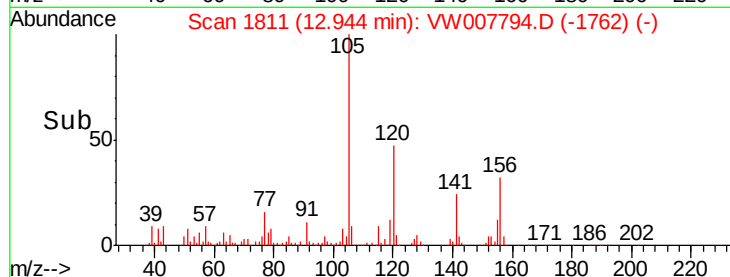
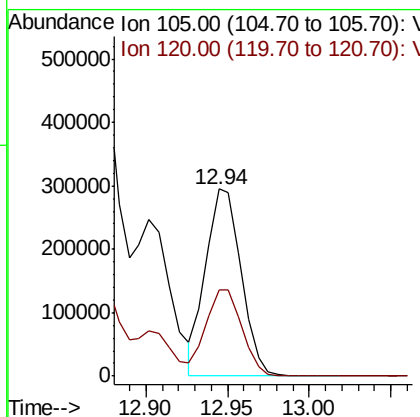
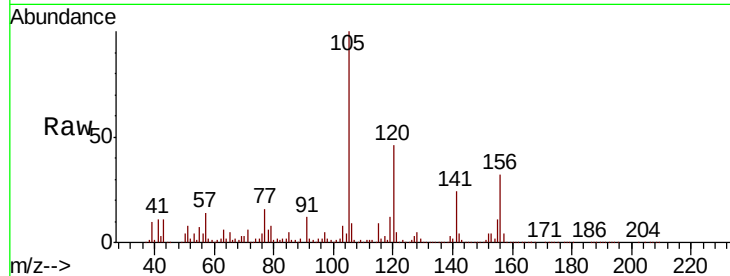
#80
 1,3,5-Trimethylbenzene
 Concen: 785.375 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Tgt Ion:105 Resp: 443607
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8

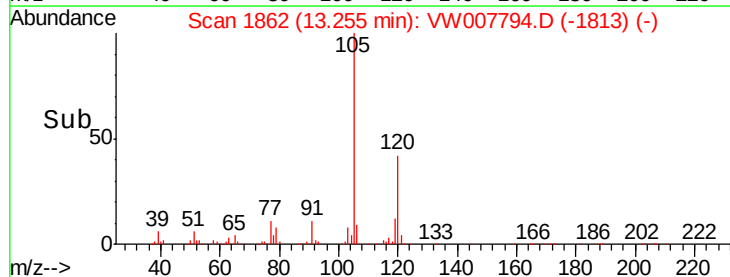
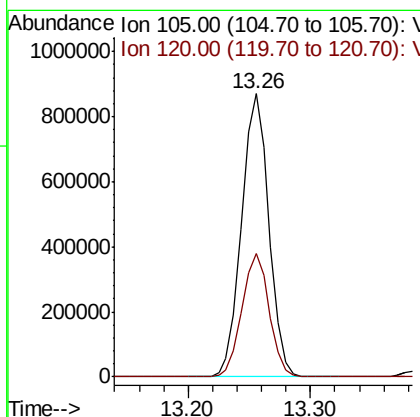
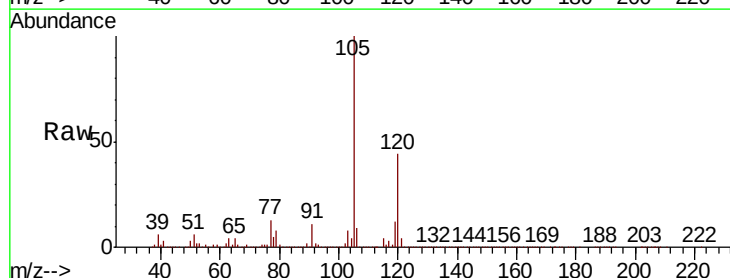
Manual Integrations
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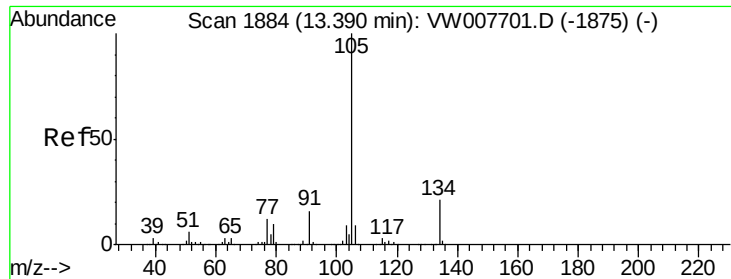
MMDadoda
 12/26/2018 4:34:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 2347.818 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion:105 Resp: 1338138
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0





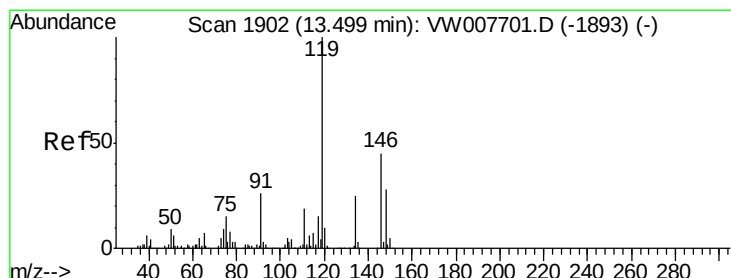
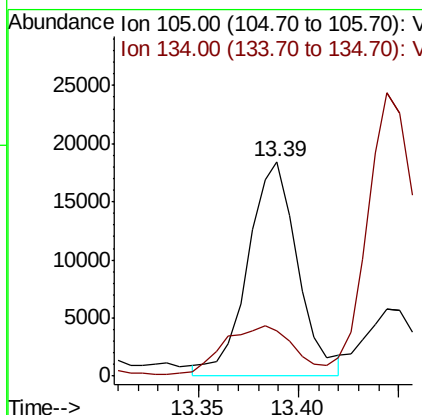
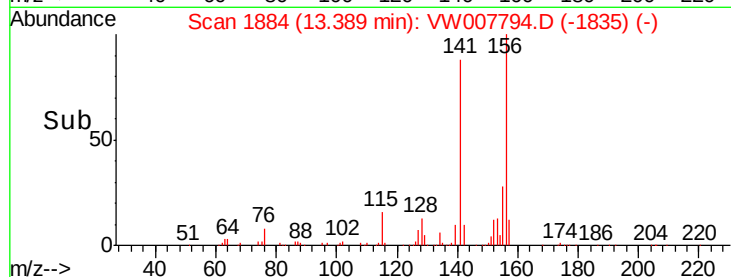
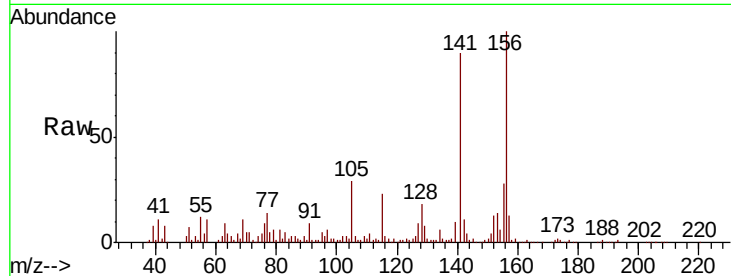
#85
 sec-Butylbenzene
 Concen: 46.650 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Tgt Ion:105 Resp: 31863
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

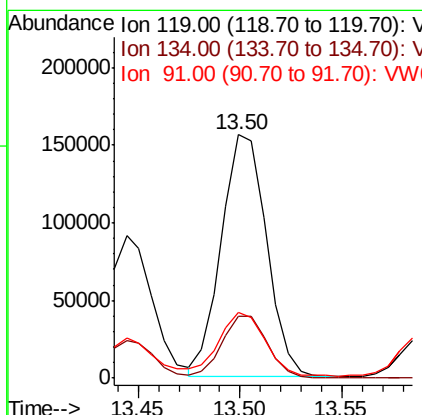
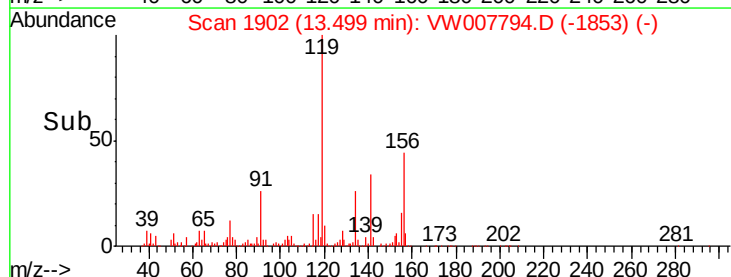
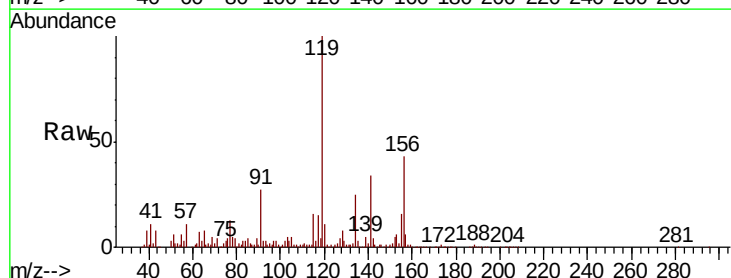
Manual Integrations
 APPROVED

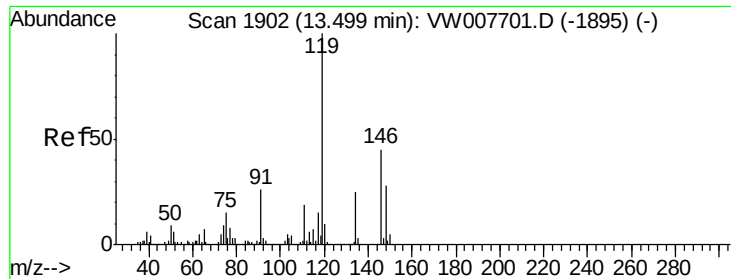
MMDadoda
 12/26/2018 4:34:00 PM



#86
 p-Isopropyltoluene
 Concen: 386.028 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion:119 Resp: 239756
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 27.1 12.8 38.4





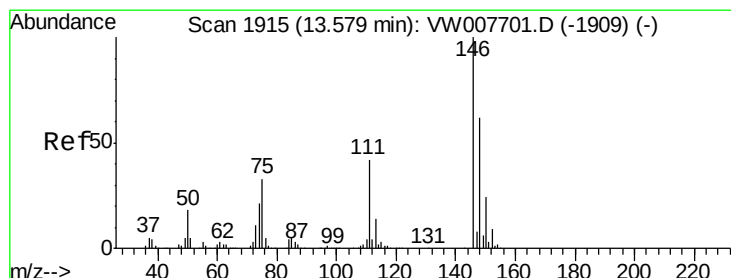
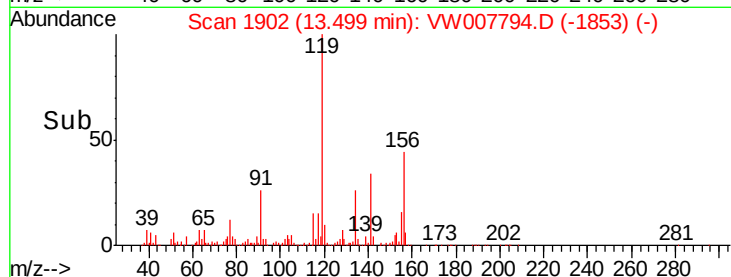
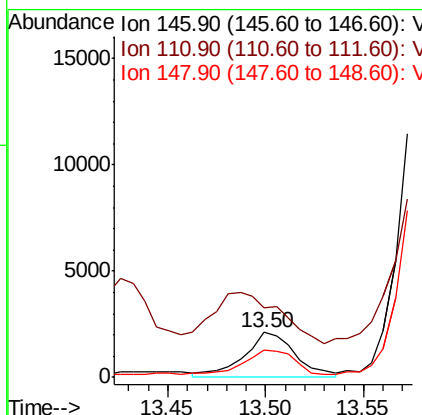
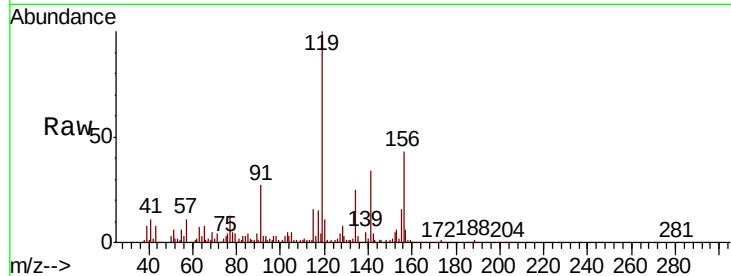
#87
1,3-Dichlorobenzene
Concen: 13.096 ug/l m
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013-2430-01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	429.6	21.1	63.4#
148	453.9	32.1	96.5#

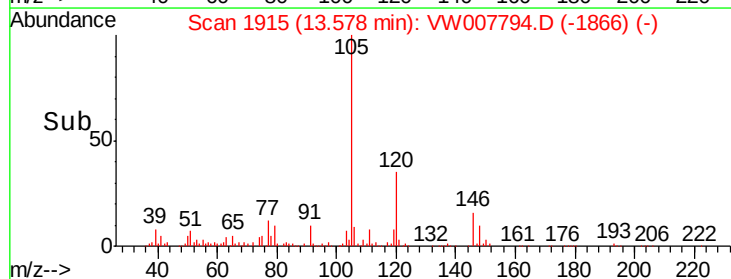
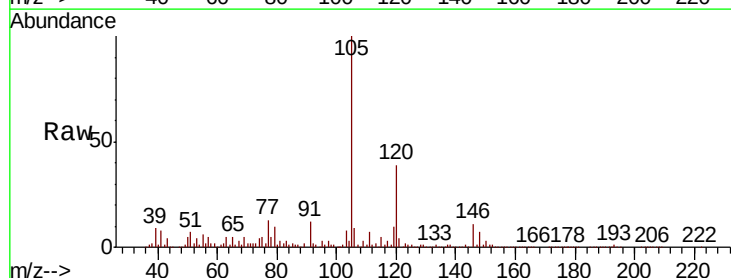
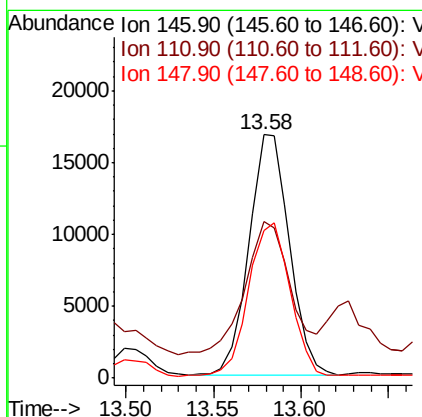
Manual Integrations
APPROVED

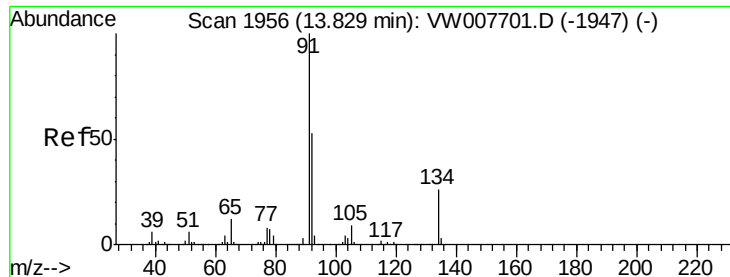
MMDadoda
12/26/2018 4:34:00 PM



#88
1,4-Dichlorobenzene
Concen: 90.214 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW007794.D
Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	62.3	21.0	63.0
148	65.9	31.8	95.4





#89

n-Butylbenzene

Concen: 63.998 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Instrument :

MSVOA_W

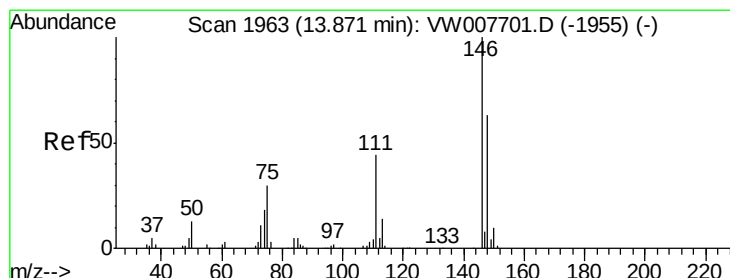
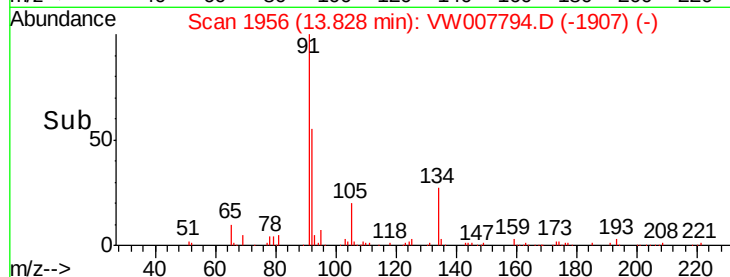
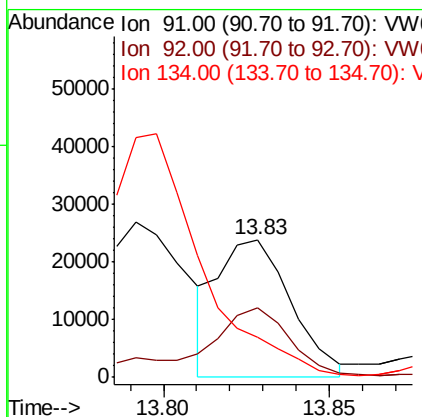
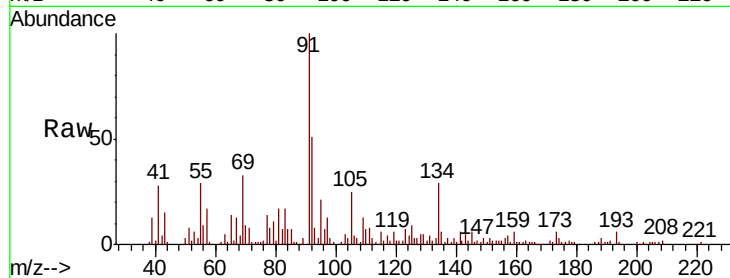
ClientSampleId :

P001-SS013-2430-01

Tgt Ion:	91	Resp:	36444
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.4	79.2#
134	0.0	13.7	41.0#

Manual Integrations
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12/26/2018 4:34:00 PM



#91

1,2-Dichlorobenzene

Concen: 86.848 ug/l

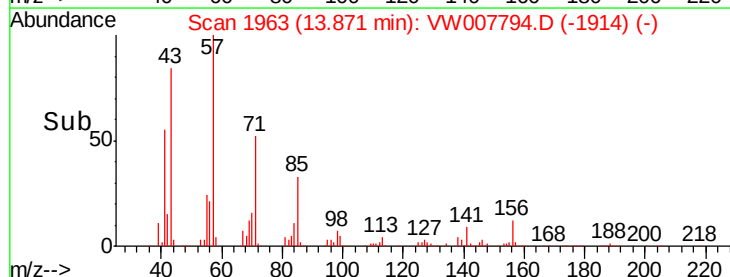
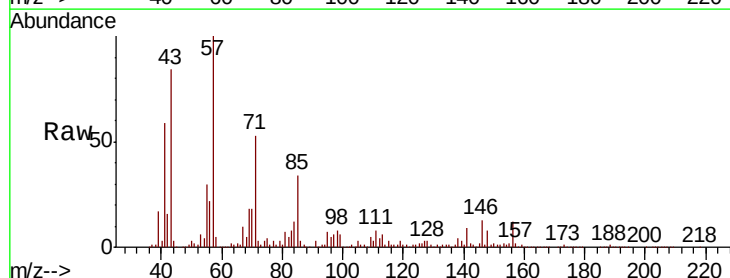
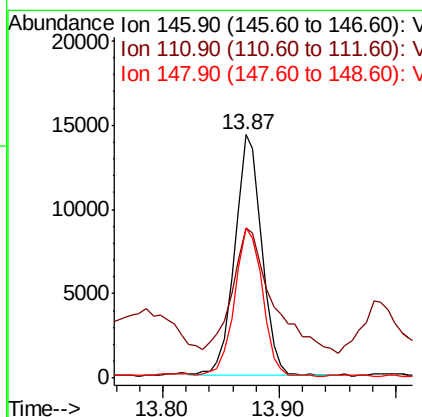
RT: 13.87 min Scan# 1963

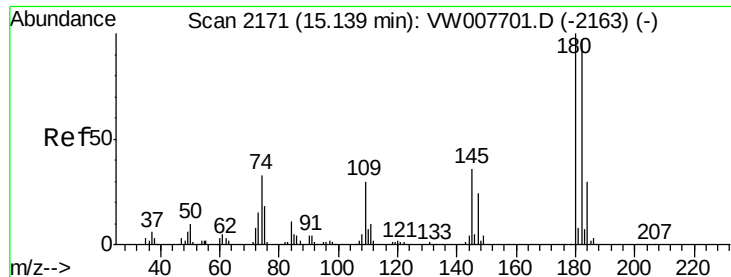
Delta R.T. -0.00 min

Lab File: VW007794.D

Acq: 21 Dec 2018 14:26

Tgt Ion:	146	Resp:	23169
Ion Ratio	Lower	Upper	
146	100		
111	76.4	21.7	65.1#
148	63.7	32.1	96.5





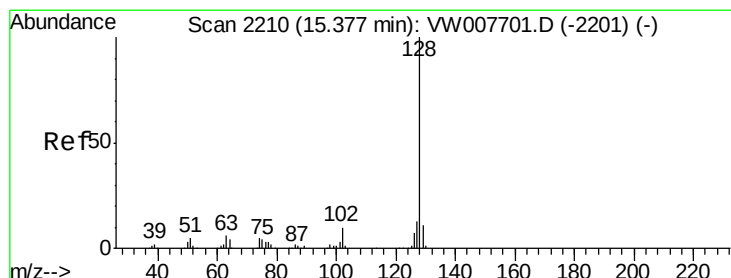
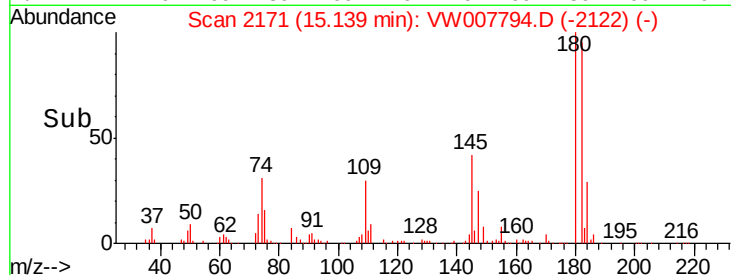
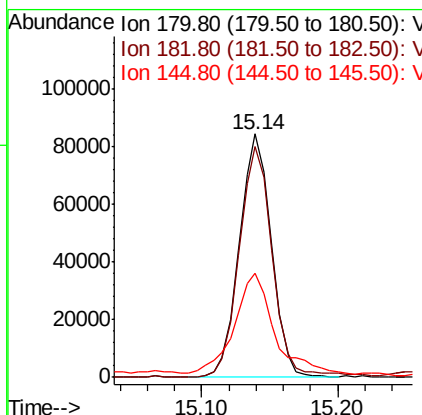
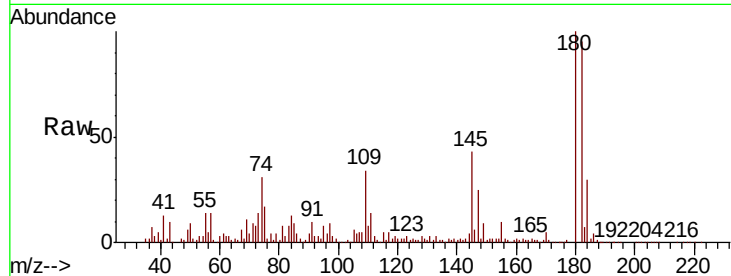
#93
 1,2,4-Trichlorobenzene
 Concen: 742.786 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137551		
182	98.5	47.5	142.6	
145	52.5	17.5	52.5	

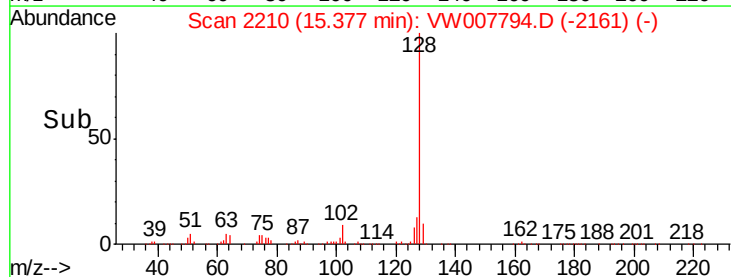
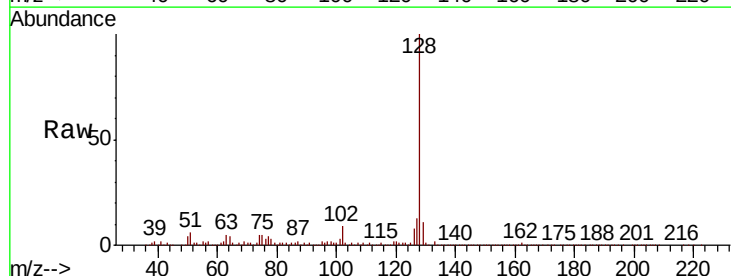
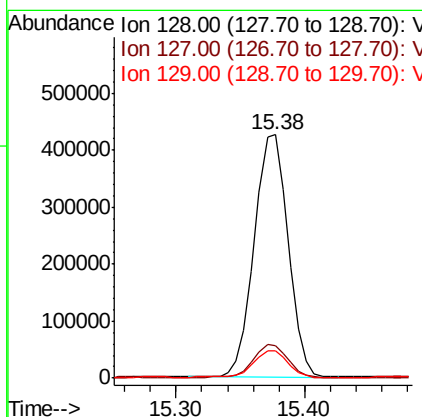
Manual Integrations
 APPROVED

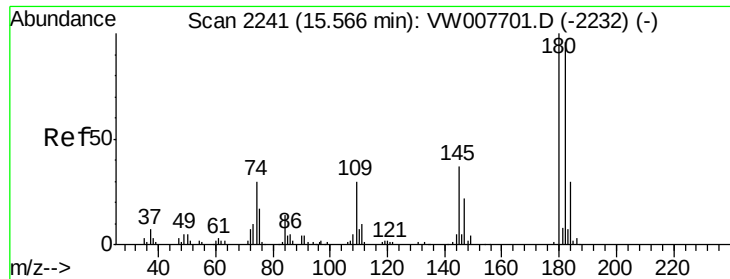
MMDadoda
 12/26/2018 4:34:00 PM



#95
 Naphthalene
 Concen: 2265.038 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. -0.00 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	775484		
127	14.0	10.7	16.1	
129	11.1	8.8	13.2	





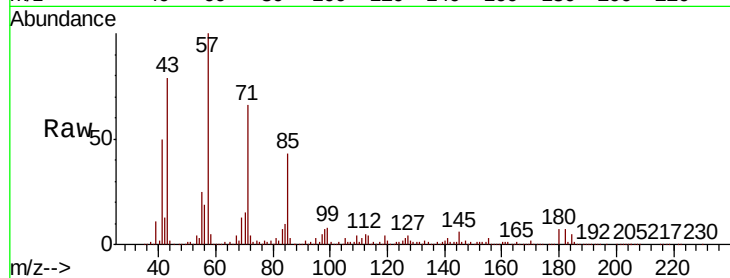
#96
 1,2,3-Trichlorobenzene
 Concen: 198.686 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW007794.D
 Acq: 21 Dec 2018 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013-2430-01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	31495		
182	84.9	47.4	142.2	
145	114.4	18.4	55.0	

Manual Integrations
 APPROVED

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 12/26/2018 4:34:00 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

