

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007829.D
 Acq On : 22 Dec 2018 08:49
 Operator : SY/AP
 Sample : J6426-10
 Misc : 6.16G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-2430-01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:00:41 AM

Quant Time: Dec 25 01:23:10 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	24592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	50442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	18445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	3981	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	24980	92.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.36%	
35) Dibromofluoromethane	7.88	113	19008	61.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.54%	
50) Toluene-d8	10.35	98	32744	28.23	ug/l	0.02
Spiked Amount	50.000		Recovery	=	56.46%	
62) 4-Bromofluorobenzene	12.63	95	6271	13.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.98%	

Target Compounds				Qvalue		
16) Acetone	4.12	43	57295	1135.143	ug/l	90
25) 2-Butanone	7.18	43	21899	370.418	ug/l #	83
27) cis-1,2-Dichloroethene	7.16	96	30804	108.351	ug/l	95
31) Cyclohexane	7.96	56	194544	484.856	ug/l	93
39) Methylcyclohexane	9.34	83	328797	543.492	ug/l	97
40) Benzene	8.32	78	22423	17.260	ug/l	99
52) Toluene	10.40	92	39303083m	45090.268	ug/l	
64) Tetrachloroethene	10.87	164	4184	32.033	ug/l	89
65) Chlorobenzene	11.66	112	432264	1082.749	ug/l	99
67) Ethyl Benzene	11.74	91	25121488	36669.726	ug/l	90
68) m/p-Xylenes	11.90	106	33368675m	125563.999	ug/l	
69) o-Xylene	12.19	106	17370769	69732.201	ug/l #	1
73) Isopropylbenzene	12.47	105	778249	2586.239	ug/l	100
78) n-propylbenzene	12.81	91	1050318	2998.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1205885	4645.801	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	3502298	13371.887	ug/l	99
85) sec-Butylbenzene	13.39	105	56159m	178.920	ug/l	
86) p-Isopropyltoluene	13.51	119	572347	2005.326	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	125435	916.086	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	761759	5561.696	ug/l	99
89) n-Butylbenzene	13.83	91	57535	219.860	ug/l #	72
91) 1,2-Dichlorobenzene	13.88	146	290498	2369.584	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	672046	7897.241	ug/l	99
95) Naphthalene	15.38	128	1730230	10997.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	270963	3719.732	ug/l	98

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

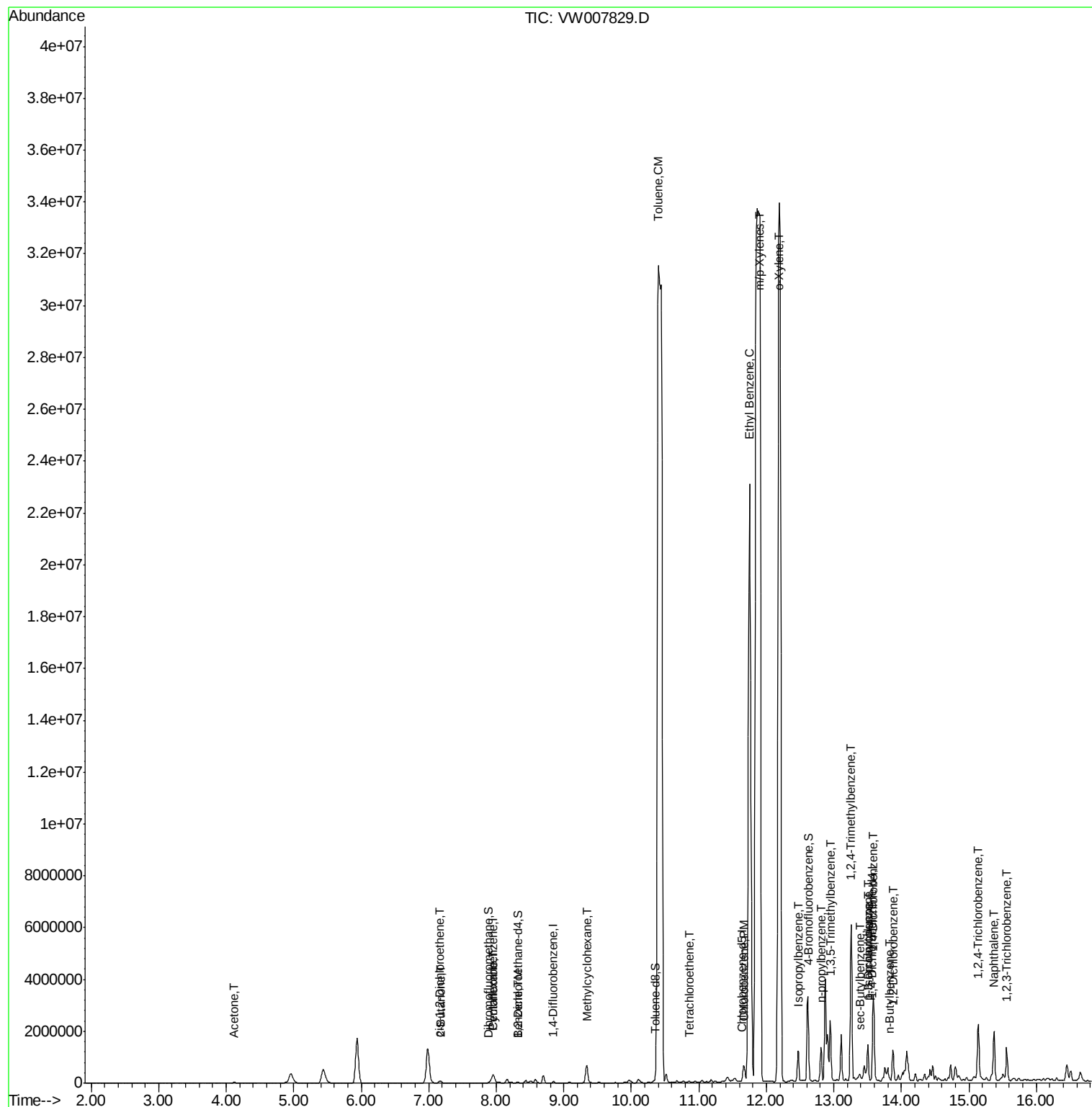
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007829.D
Acq On : 22 Dec 2018 08:49
Operator : SY/AP
Sample : J6426-10
Misc : 6.16G/5ML/MSVOA W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Manual Integrations
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12/26/2018 11:00:41 AM

Quant Time: Dec 25 01:23:10 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# 992

Delta R.T. 0.01 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-2430-01

Tot Ion:168 Resp: 24592

Ion Ratio Lower Upper

168 100

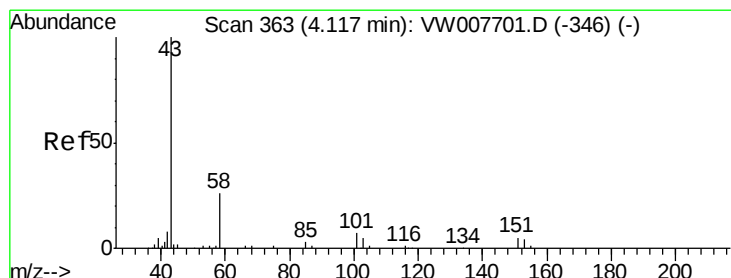
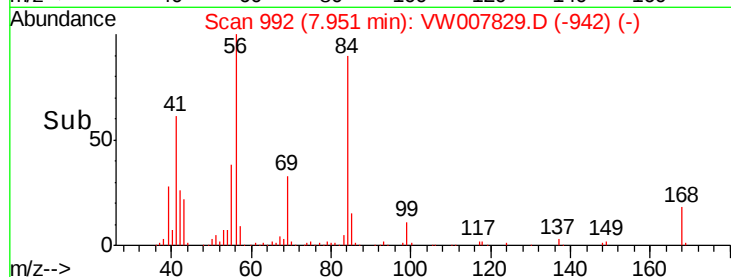
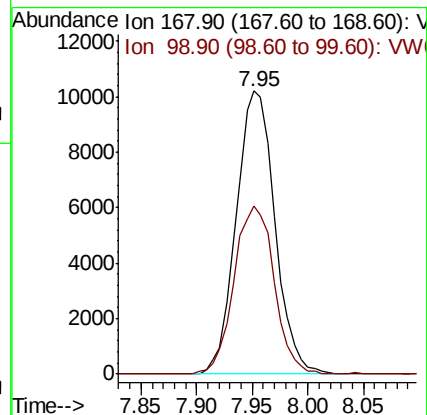
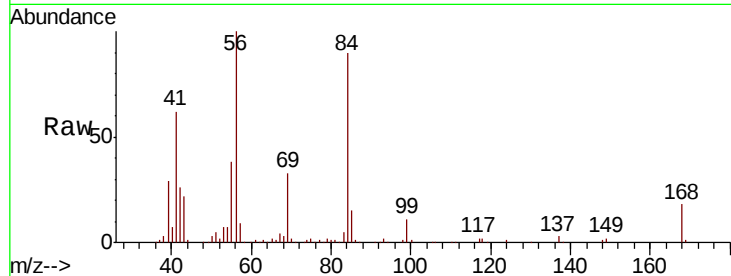
99 59.6 54.0 81.0

Manual Integrations

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#16

Acetone

Concen: 1135.143 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007829.D

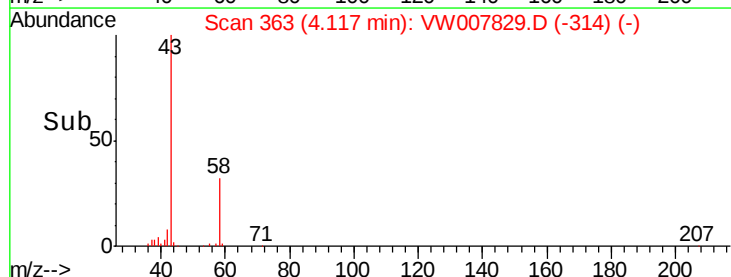
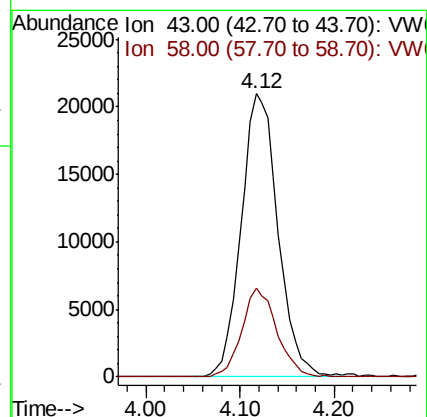
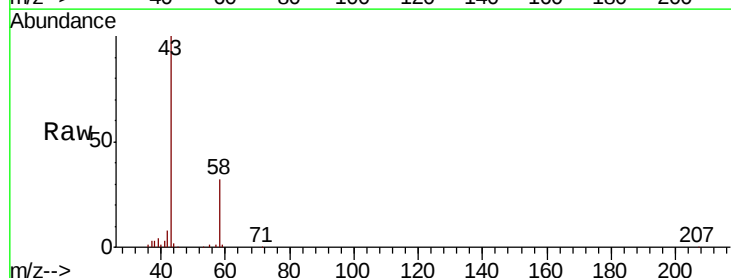
Acq: 22 Dec 2018 08:49

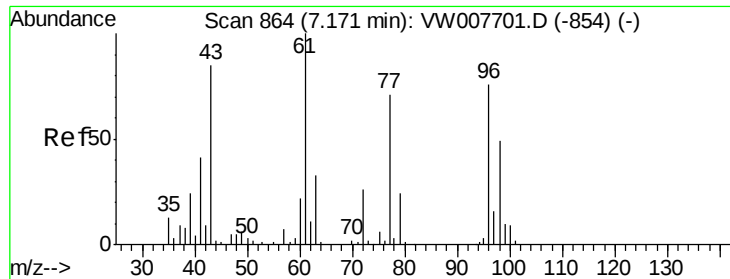
Tgt Ion: 43 Resp: 57295

Ion Ratio Lower Upper

43 100

58 31.6 21.2 31.8





#25

2-Butanone

Concen: 370.418 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-2430-01

Tot Ion: 43 Resp: 21899

Ion Ratio Lower Upper

43 100

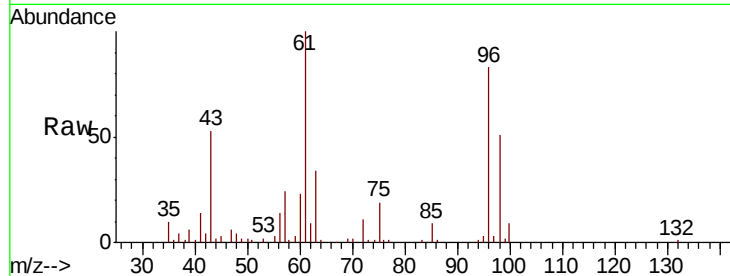
72 21.1 24.5 36.7#

Manual Integrations

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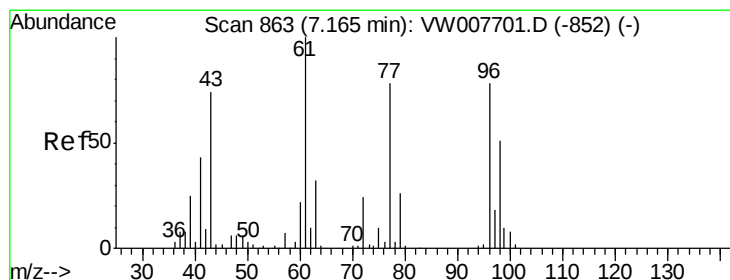
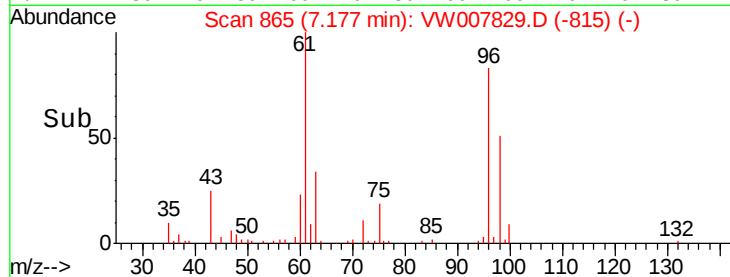
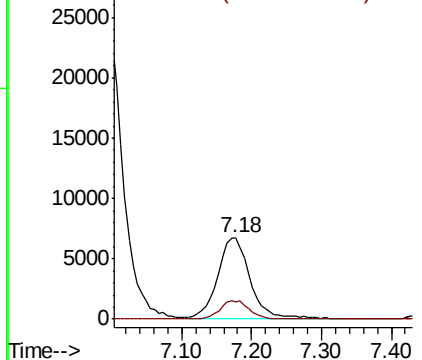
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#27

cis-1,2-Dichloroethene

Concen: 108.351 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

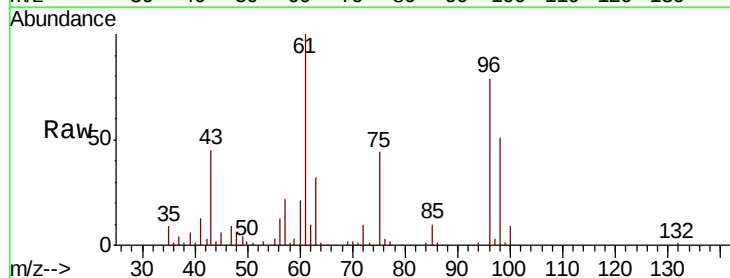
Tgt Ion: 96 Resp: 30804

Ion Ratio Lower Upper

96 100

61 127.0 0.0 271.6

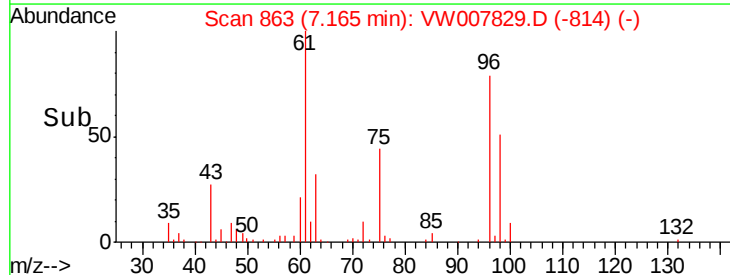
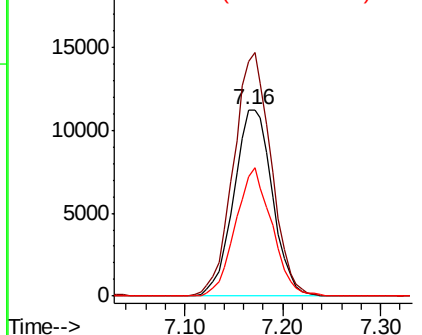
98 65.2 0.0 131.2

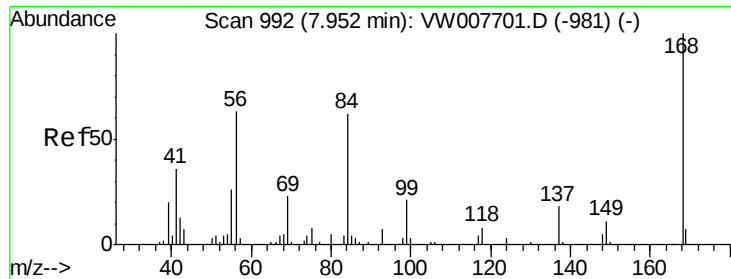


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





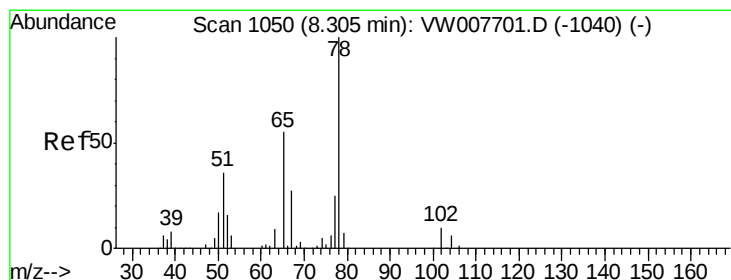
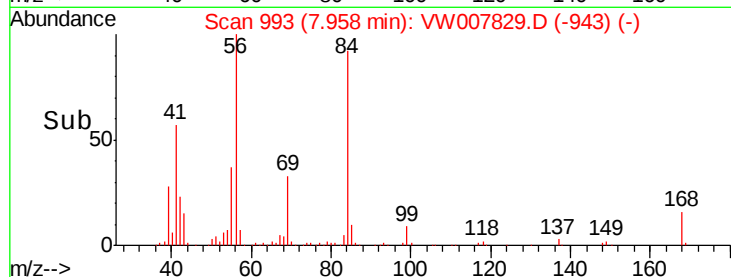
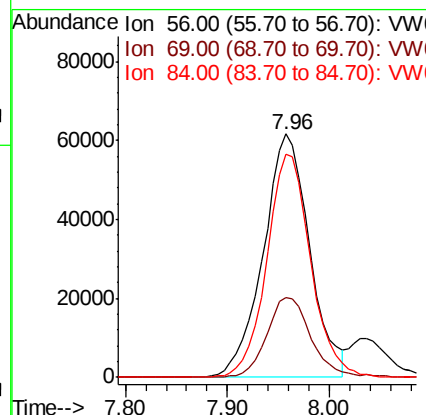
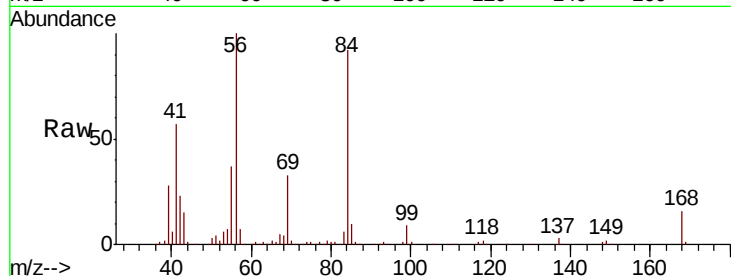
#31
Cyclohexane
Concen: 484.856 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	29.7	44.5
84	91.9	78.9	118.3

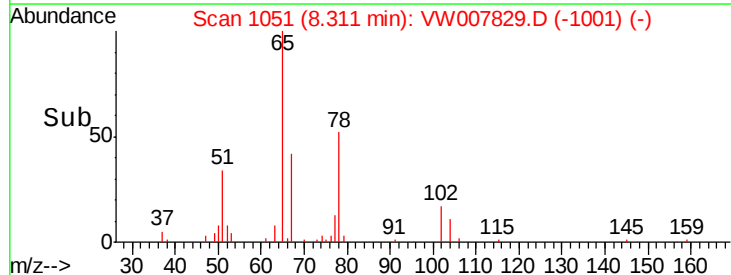
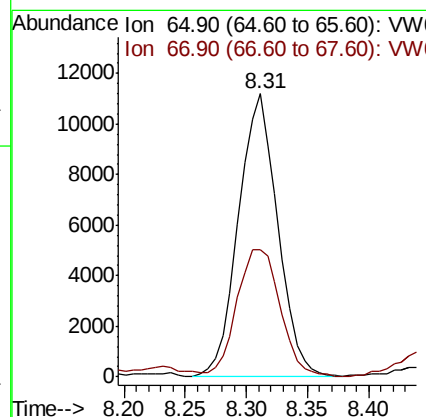
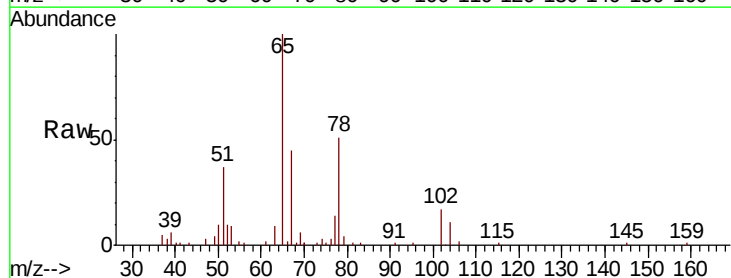
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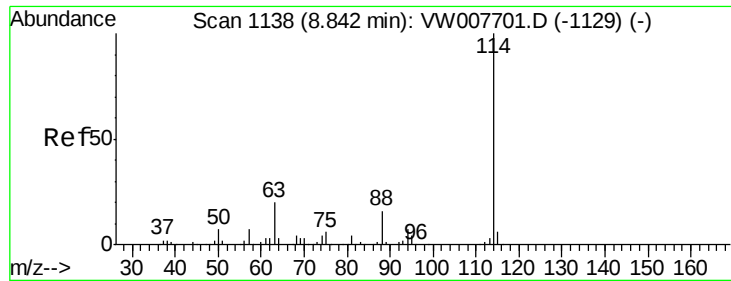
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#33
1,2-Dichloroethane-d4
Concen: 92.677 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.6





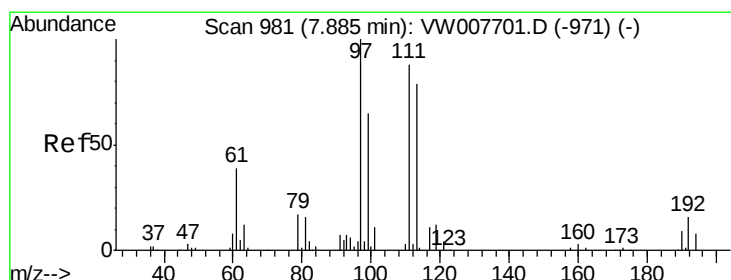
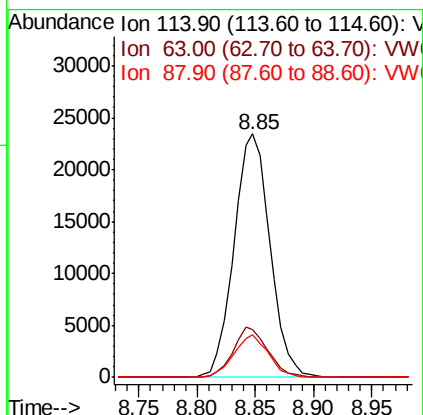
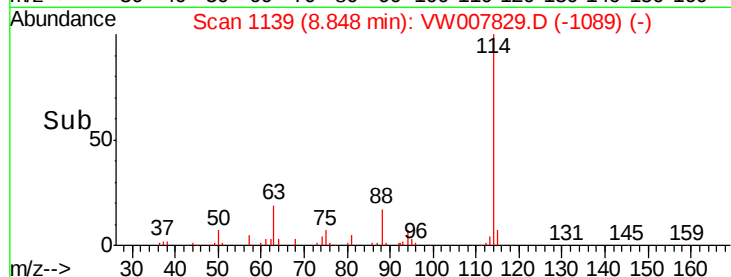
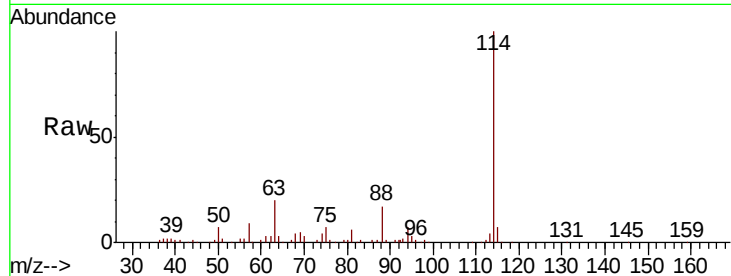
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	17.5	0.0	32.6

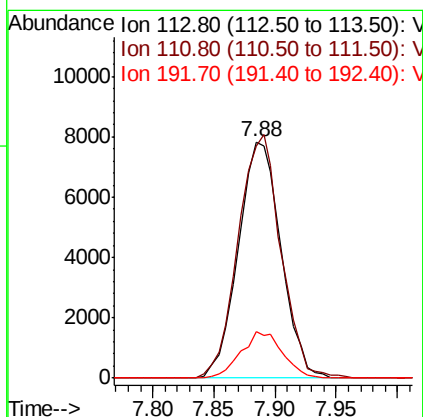
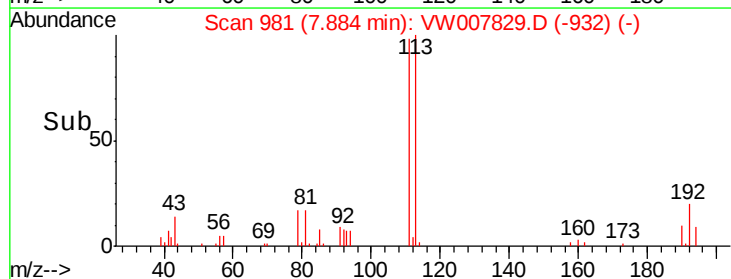
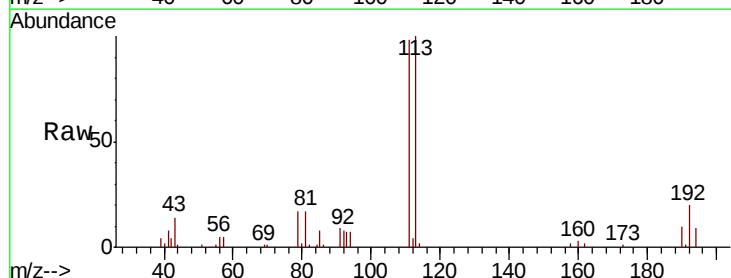
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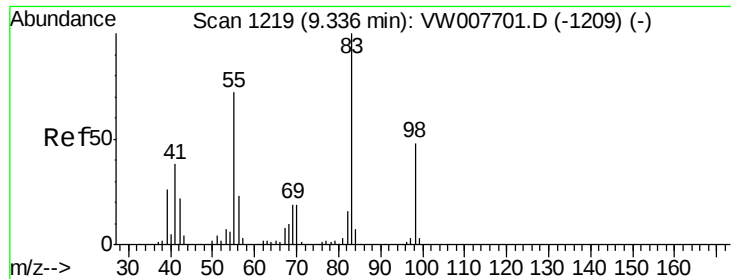
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#35
 Dibromofluoromethane
 Concen: 61.770 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	124.0
192	19.2	15.5	23.3





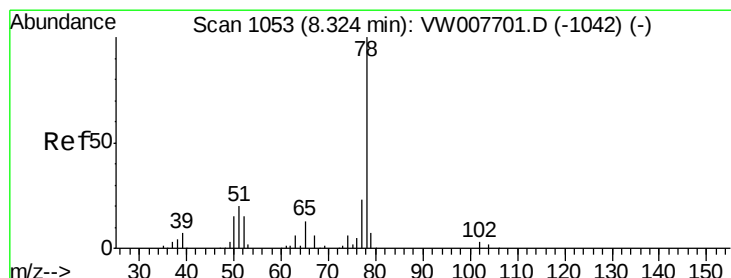
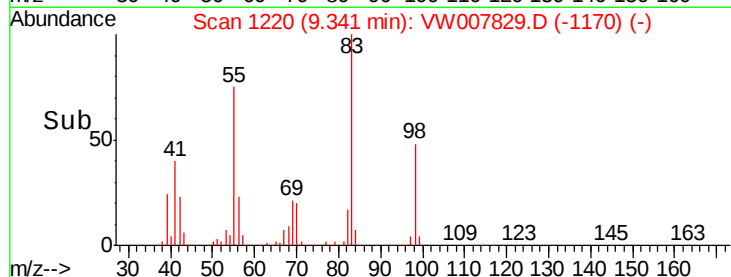
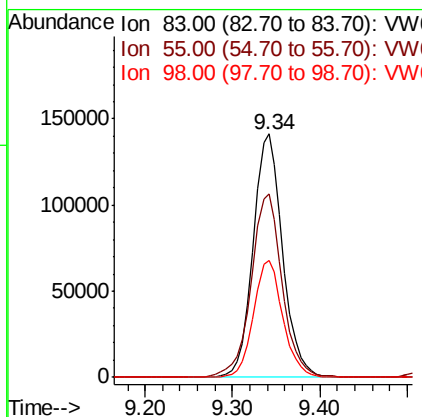
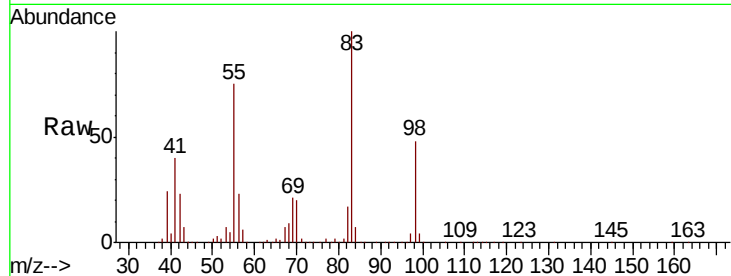
#39
Methvlcvclohexane
Concen: 543.492 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.2	85.8
98	48.1	38.6	58.0

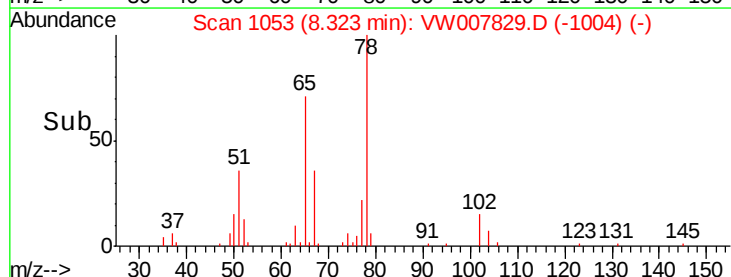
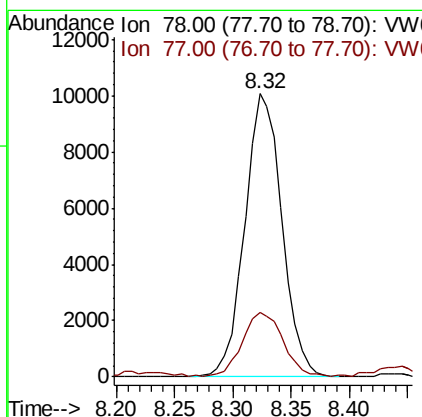
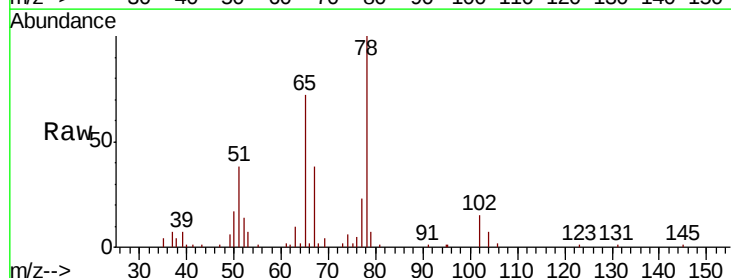
Manual Integrations
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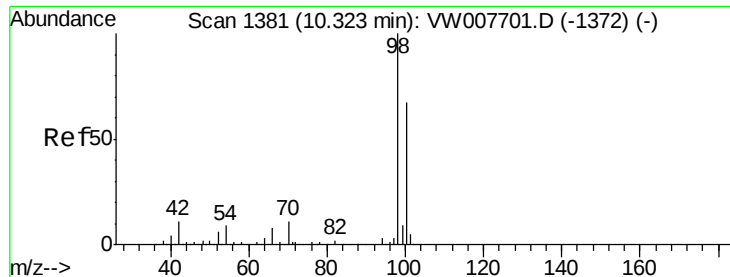
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12/26/2018 11:00:41 AM



#40
Benzene
Concen: 17.260 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.7	28.1





#50

Toluene-d8

Concen: 28.226 ug/l

RT: 10.35 min Scan# 1385

Delta R.T. 0.02 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-2430-01

Tot Ion: 98 Resp: 32744

Ion Ratio Lower Upper

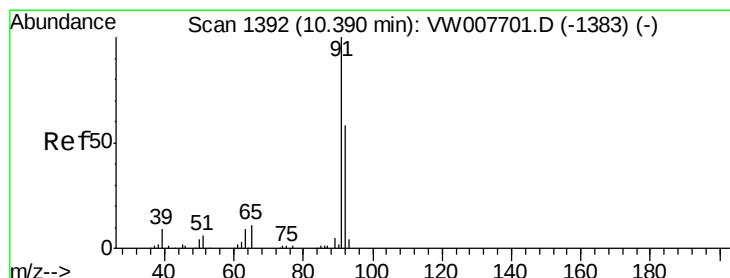
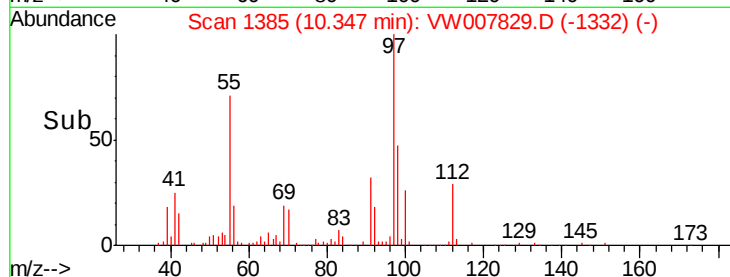
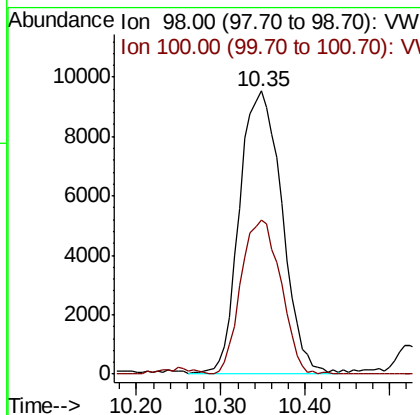
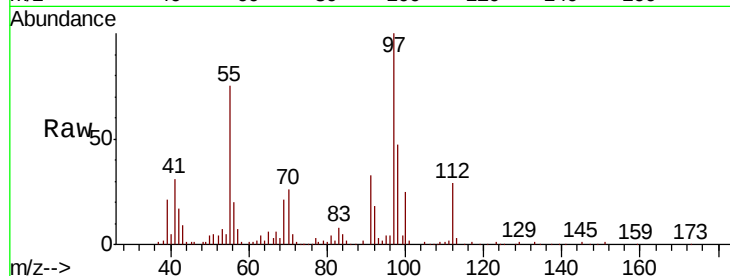
98 100

100 50.7 52.2 78.2#

Manual Integrations
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12/26/2018 11:00:41 AM



#52

Toluene

Concen: 45090.268 ug/l m

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007829.D

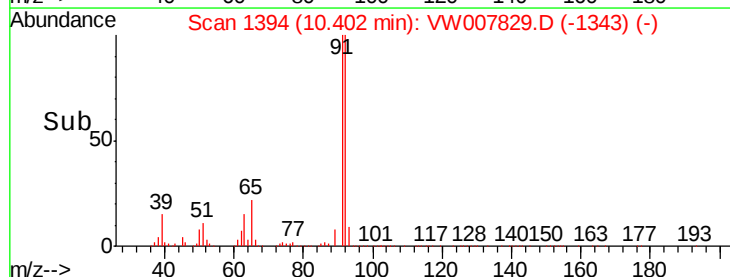
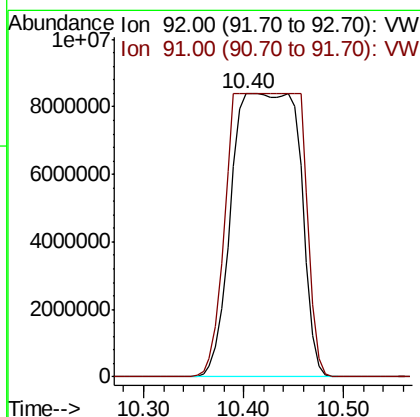
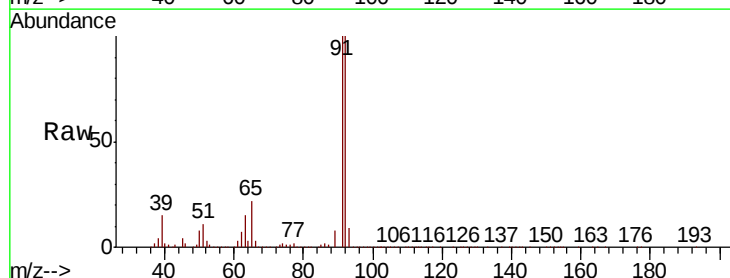
Acq: 22 Dec 2018 08:49

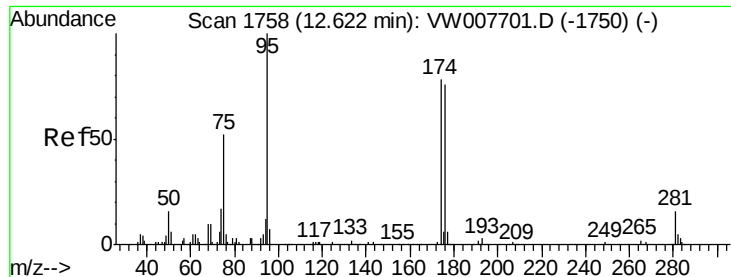
Tgt Ion: 92 Resp: 39303083

Ion Ratio Lower Upper

92 100

91 0.0 137.0 205.4#





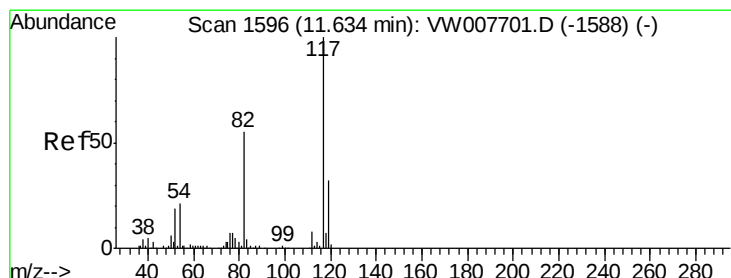
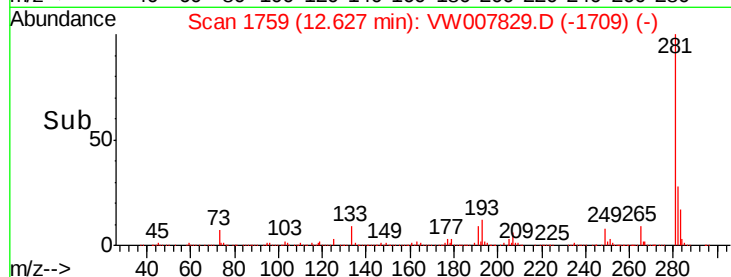
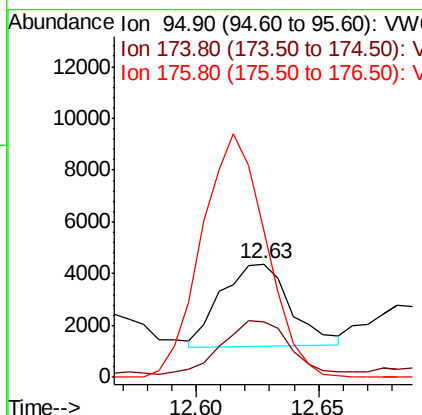
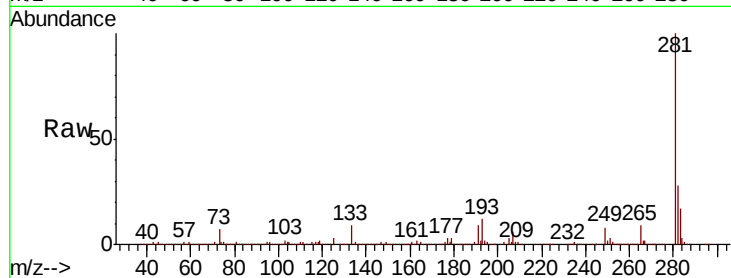
#62
4-Bromofluorobenzene
Concen: 13.993 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
95	100		
174	63.2	0.0	152.2
176	273.4	0.0	146.8

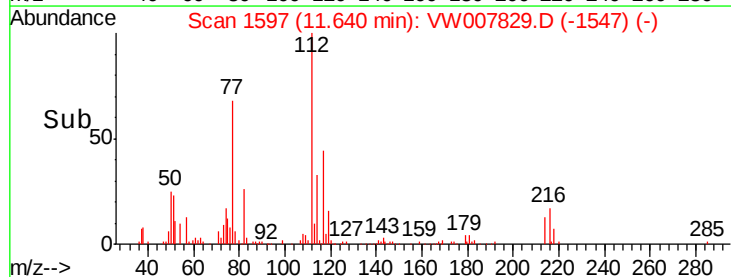
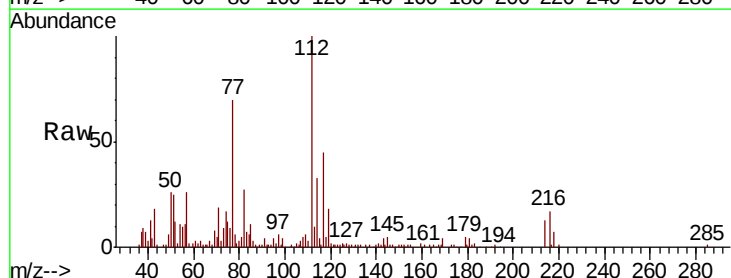
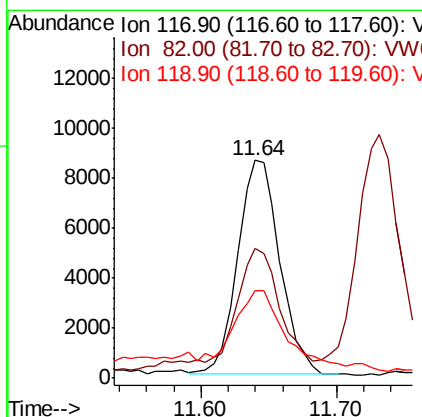
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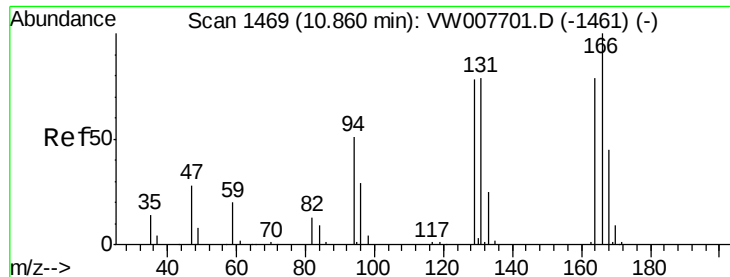
MMDadoda
12/26/2018 11:00:41 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.3	66.5
119	34.4	25.7	38.5





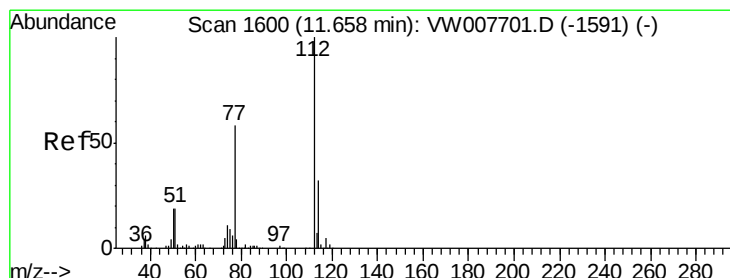
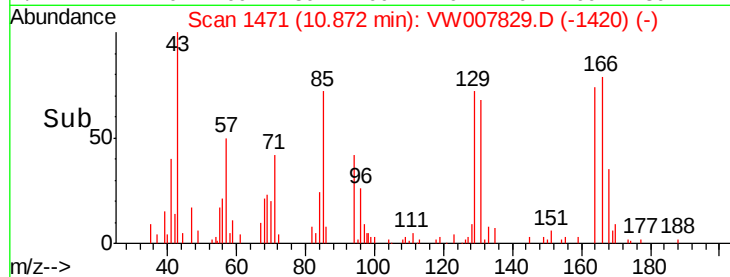
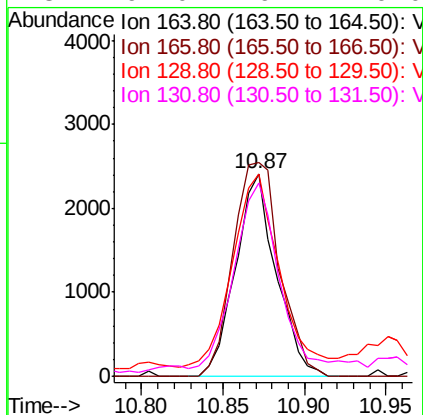
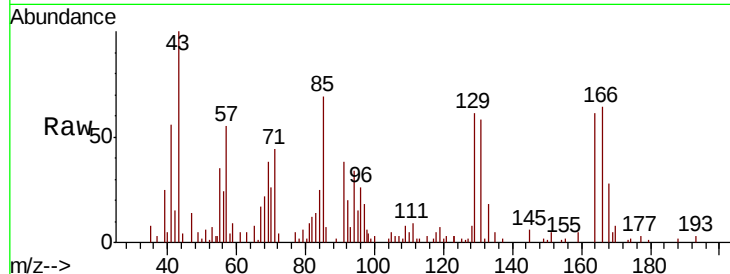
#64
Tetrachloroethene
Concen: 32.033 ug/l
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
164	100		
166	105.6	101.0	151.6
129	94.4	78.7	118.1
131	92.0	79.4	119.0

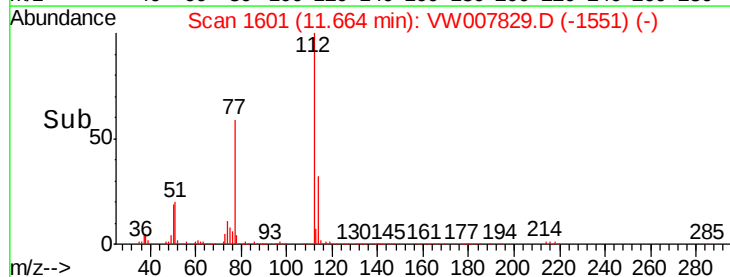
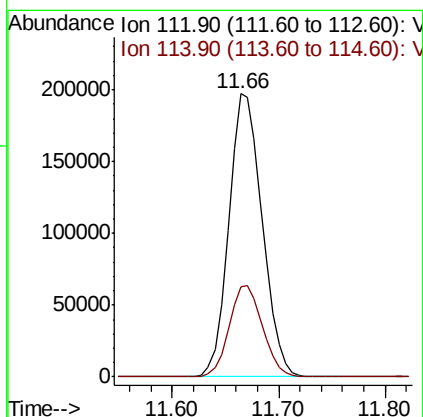
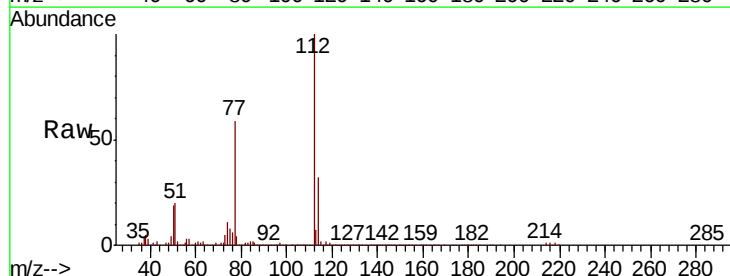
Manual Integrations
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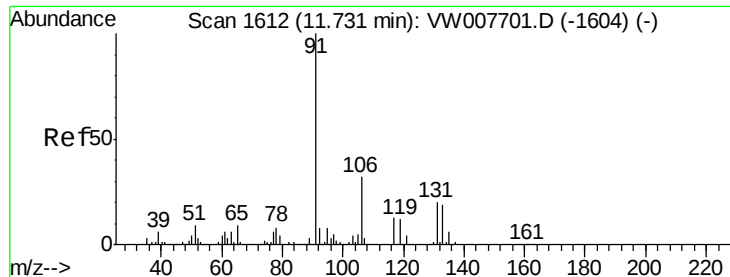
MMDadoda
12/26/2018 11:00:41 AM



#65
Chlorobenzene
Concen: 1082.749 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8





#67

Ethyl Benzene

Concen: 36669.726 ug/l

RT: 11.74 min Scan# 1614

Delta R.T. 0.01 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-2430-01

Tot Ion: 91 Resp: 25121488

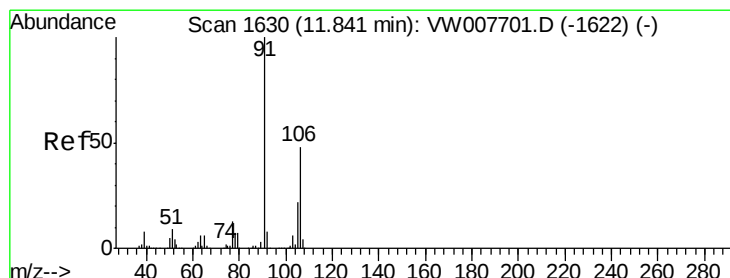
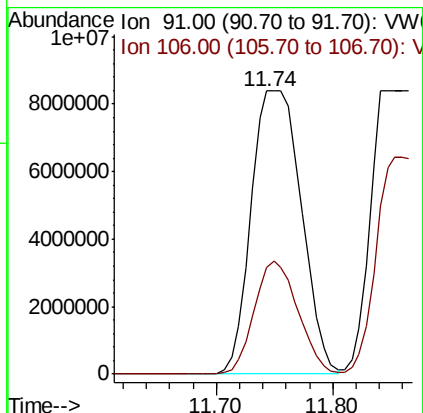
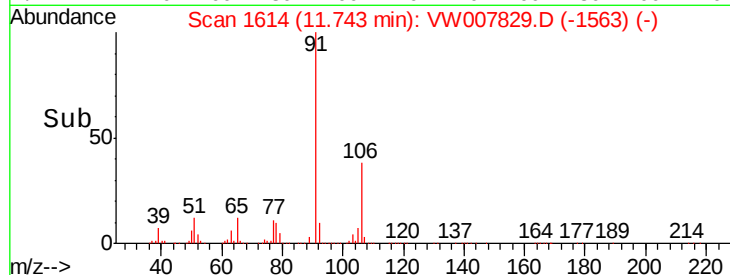
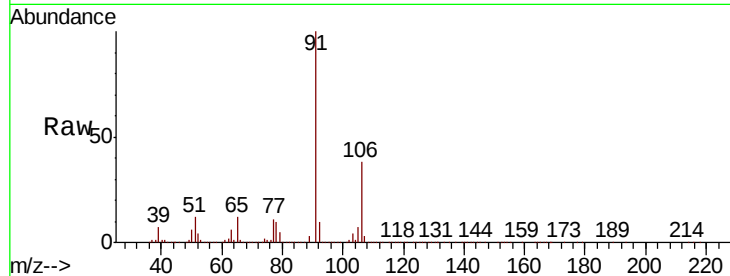
Ion Ratio Lower Upper

91 100

106 37.7 25.8 38.8

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#68

m/p-Xylenes

Concen: 125563.999 ug/l m

RT: 11.90 min Scan# 1640

Delta R.T. 0.06 min

Lab File: VW007829.D

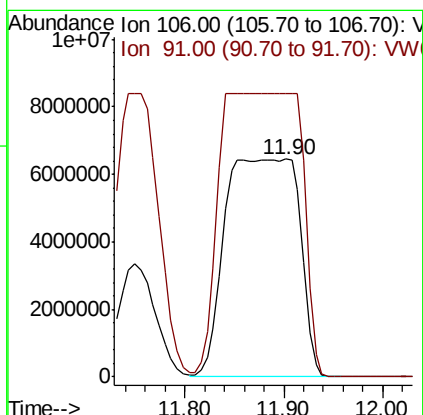
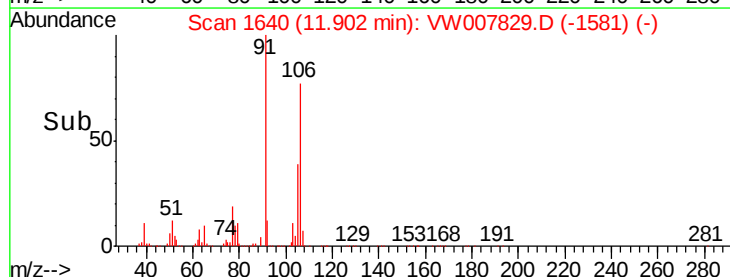
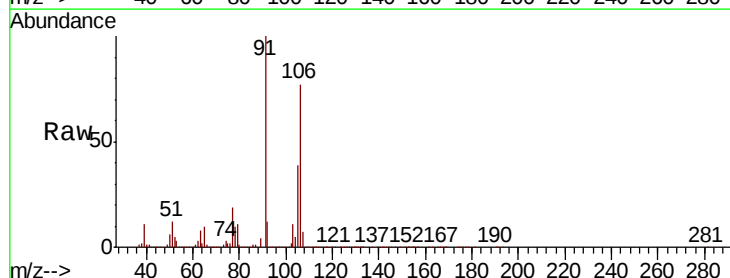
Acq: 22 Dec 2018 08:49

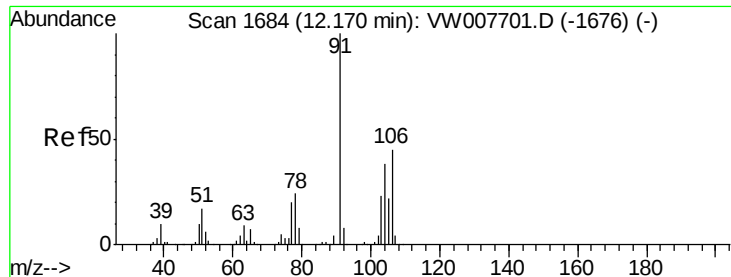
Tgt Ion: 106 Resp: 33368675

Ion Ratio Lower Upper

106 100

91 0.0 165.2 247.8#





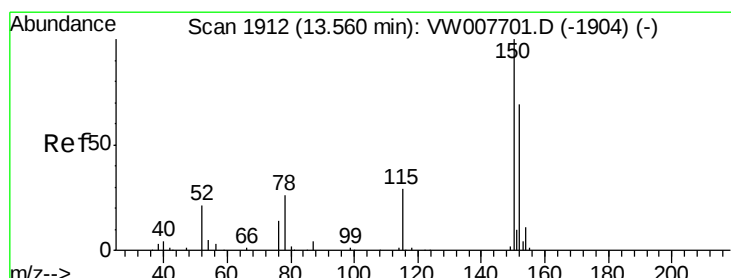
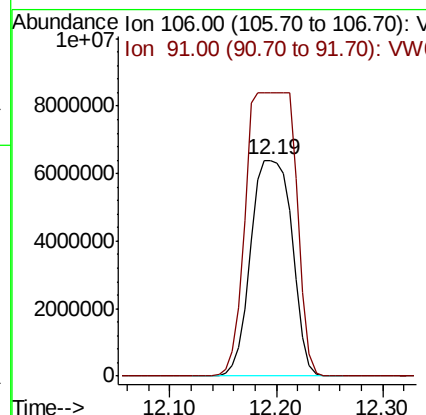
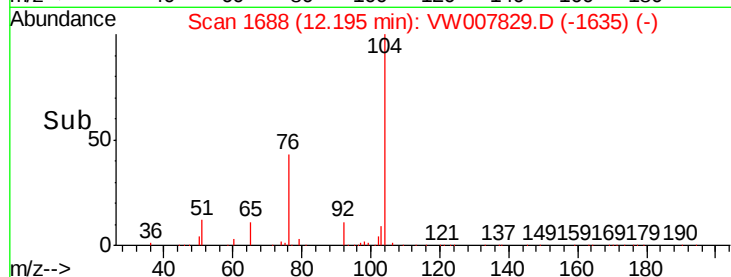
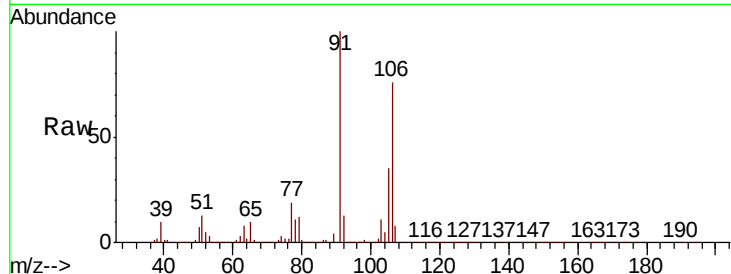
#69
o-Xylene
Concen: 69732.201 ug/l
RT: 12.19 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion:106 Resp:17370769
Ion Ratio Lower Upper
106 100
91 0.0 110.5 331.4#

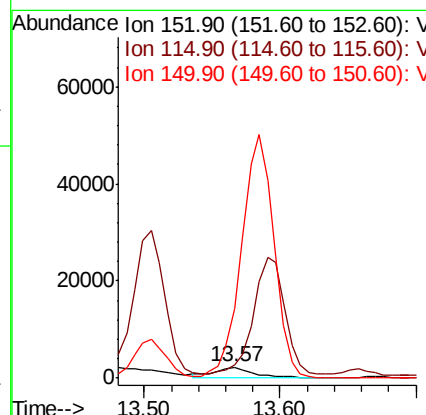
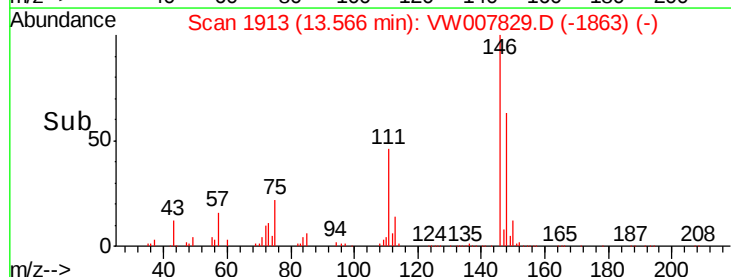
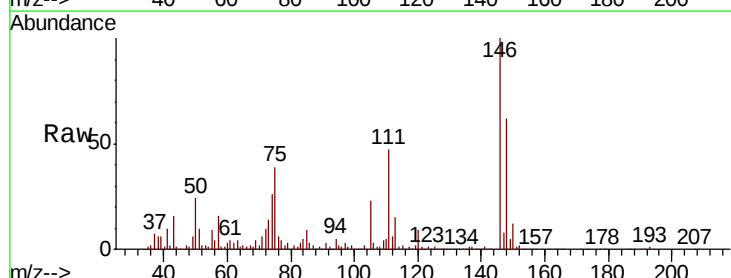
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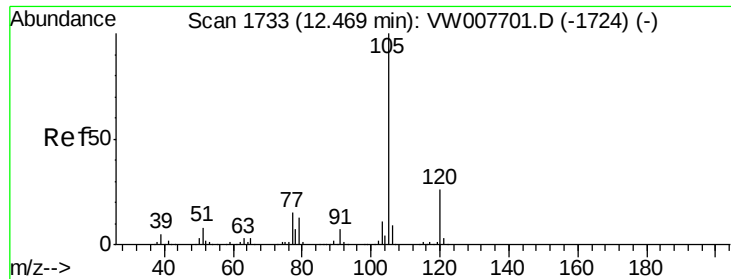
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion:152 Resp: 3981
Ion Ratio Lower Upper
152 100
115 0.0 31.8 95.4#
150 0.0 0.0 350.8





#73

Isopropylbenzene

Concen: 2586.239 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013A-2430-01

Tot Ion:105 Resp: 778249

Ion Ratio Lower Upper

105 100

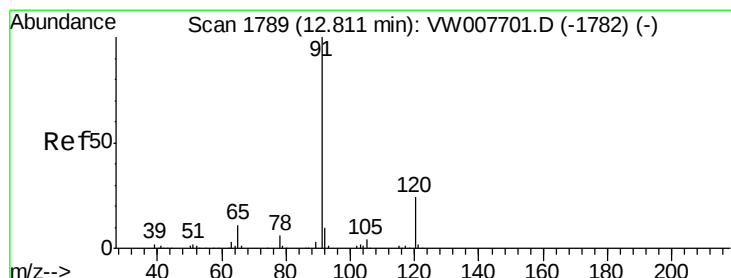
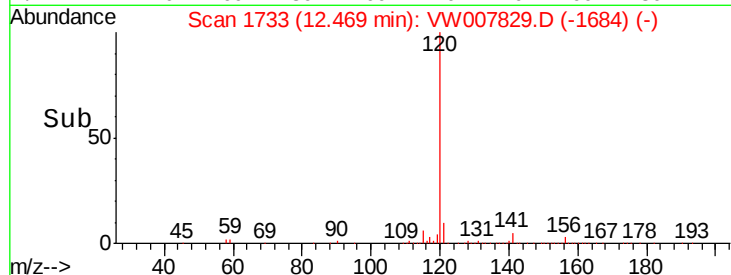
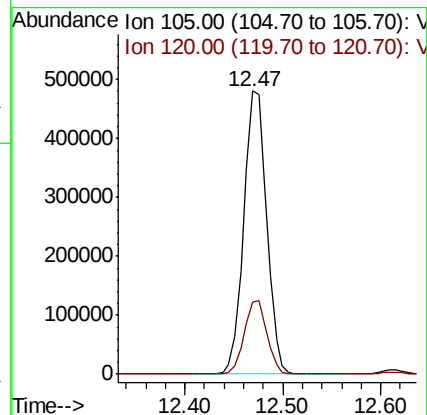
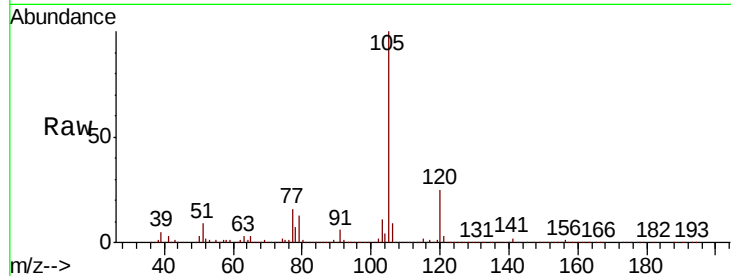
120 26.0 13.1 39.3

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#78

n-propylbenzene

Concen: 2998.430 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007829.D

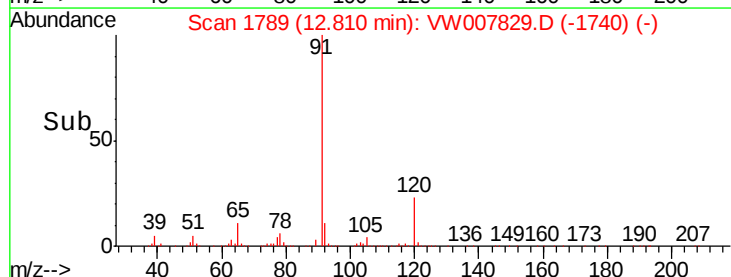
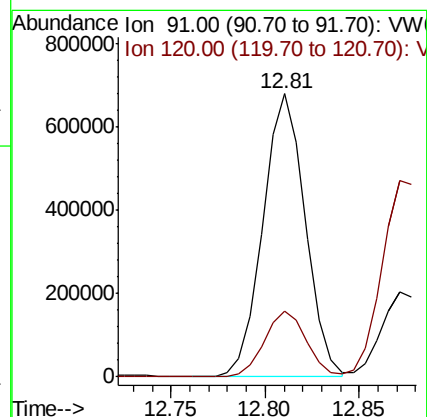
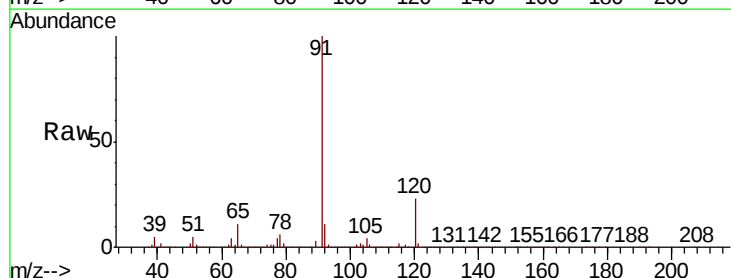
Acq: 22 Dec 2018 08:49

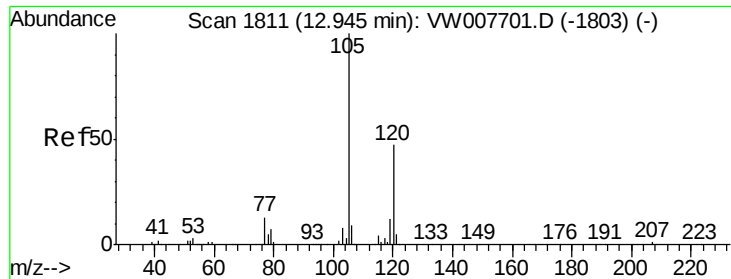
Tgt Ion: 91 Resp: 1050318

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.7





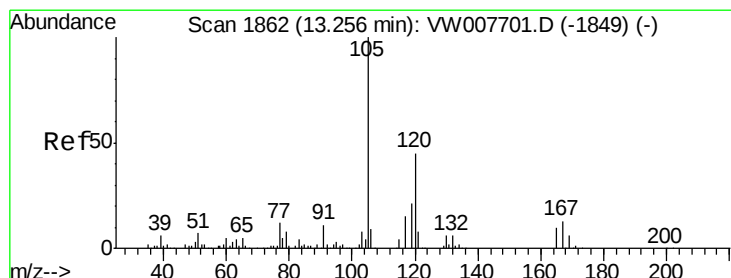
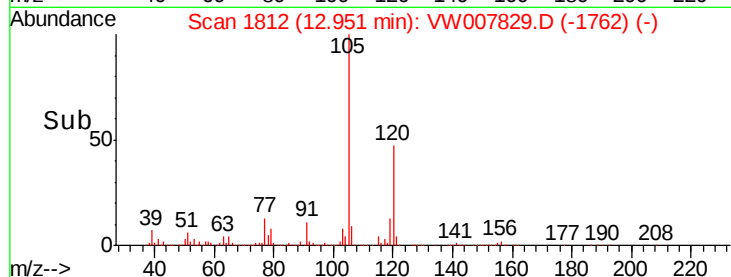
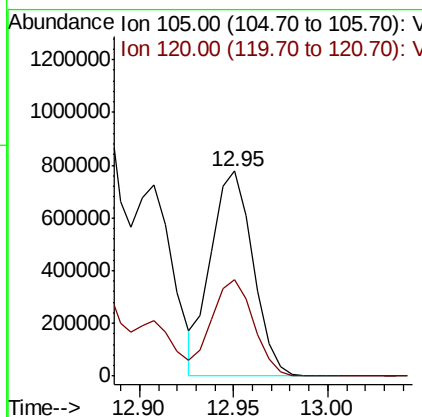
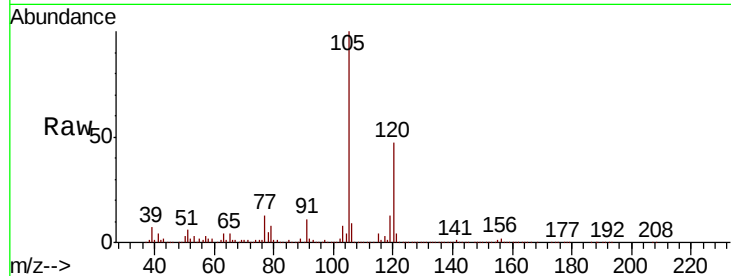
#80
 1,3,5-Trimethylbenzene
 Concen: 4645.801 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-2430-01

Tot Ion:105 Resp: 1205885
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.6 70.8

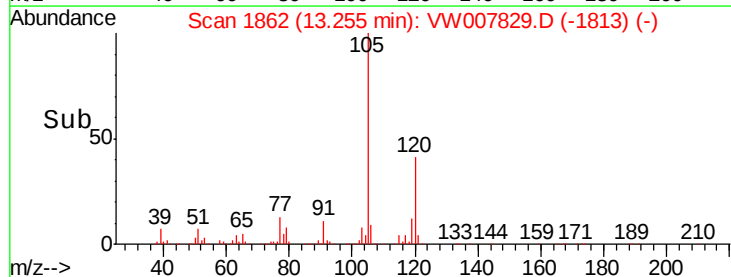
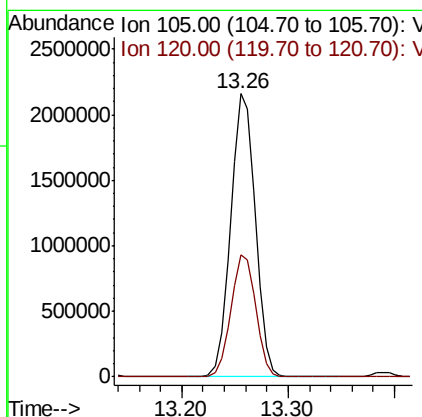
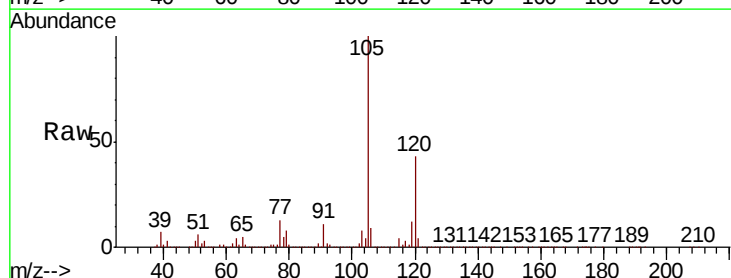
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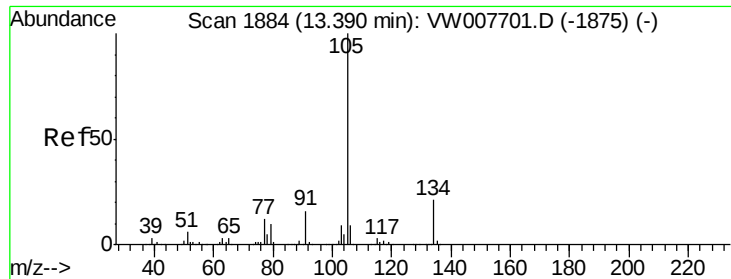
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 13371.887 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Tgt Ion:105 Resp: 3502298
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0





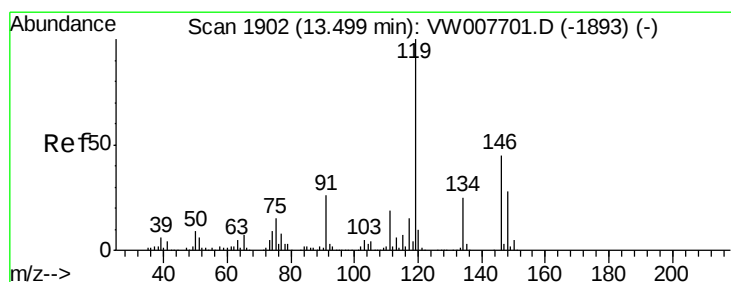
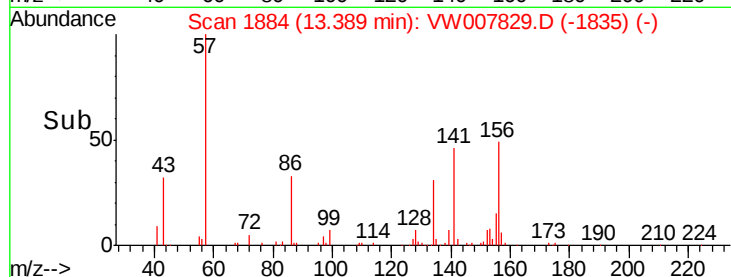
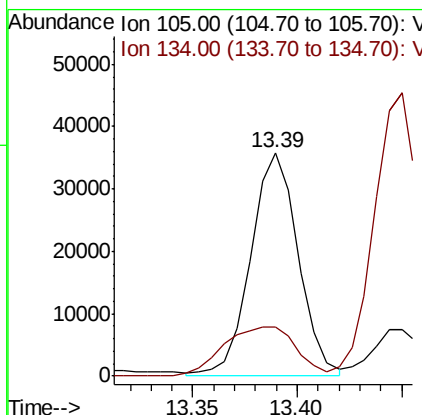
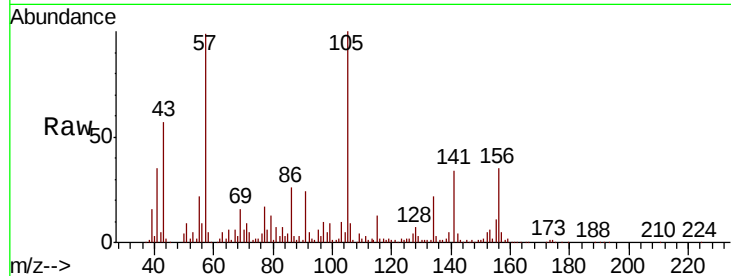
#85
 sec-Butylbenzene
 Concen: 178.920 ug/l m
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-2430-01

Tot Ion:105 Resp: 56159
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

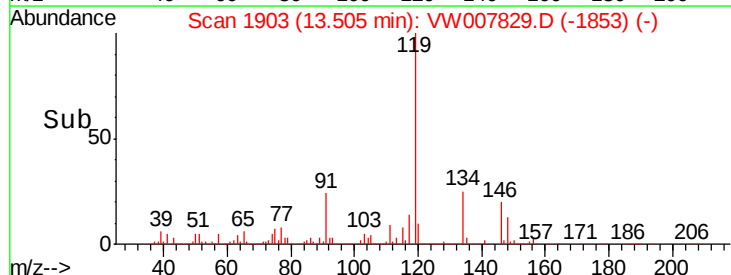
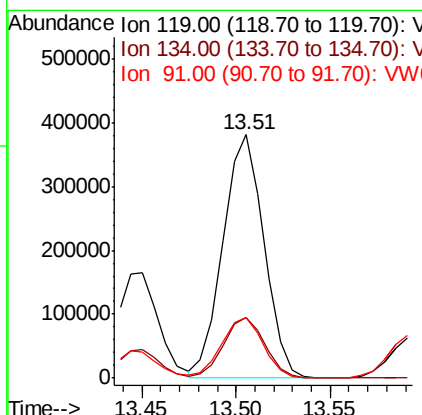
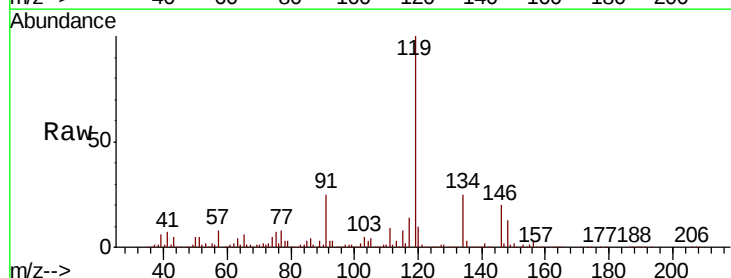
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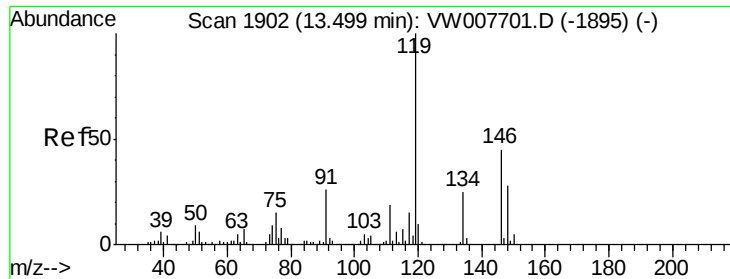
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#86
 p-Isopropyltoluene
 Concen: 2005.326 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Tgt Ion:119 Resp: 572347
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.0 39.0
 91 24.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 916.086 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

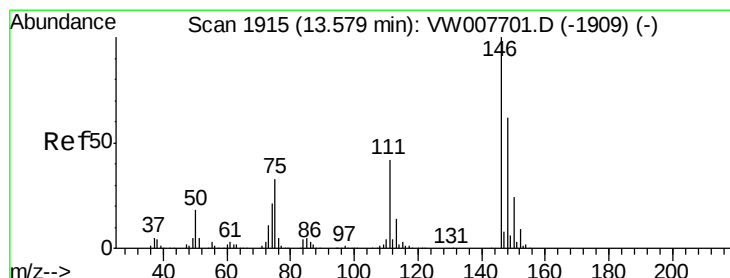
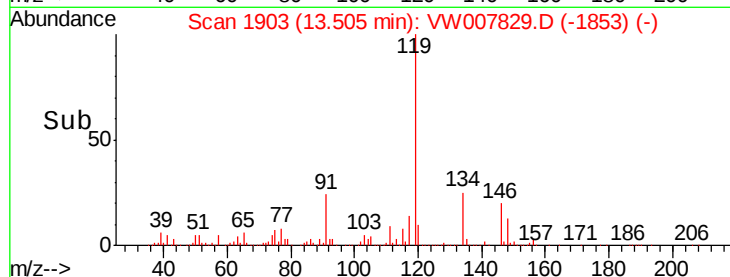
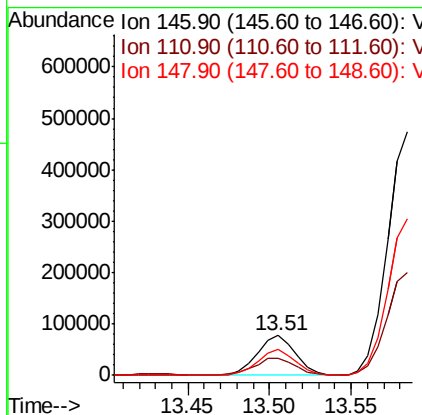
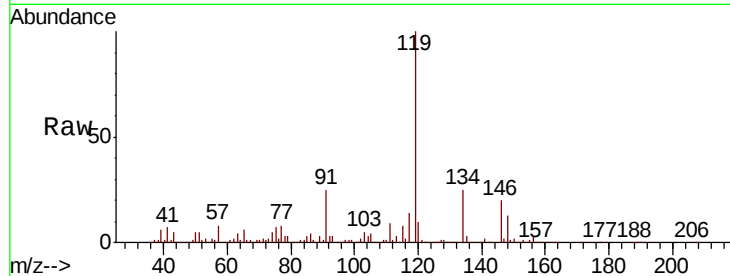
Instrument :
MSVOA_W

ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.4
148	63.6	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 5561.696 ug/l

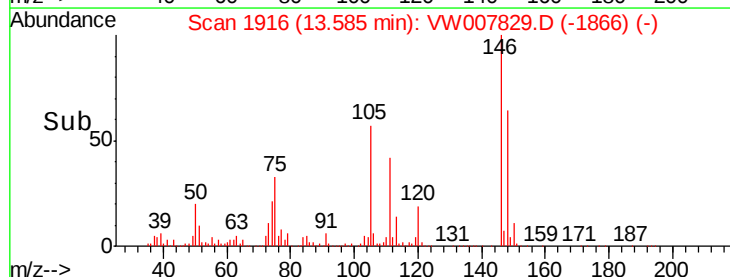
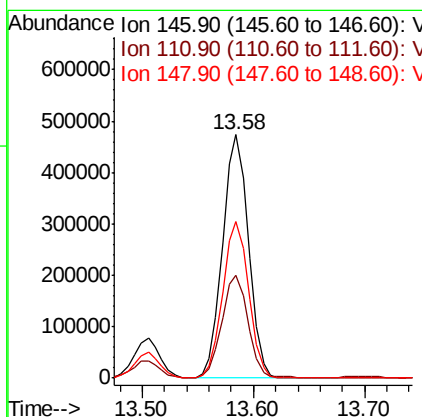
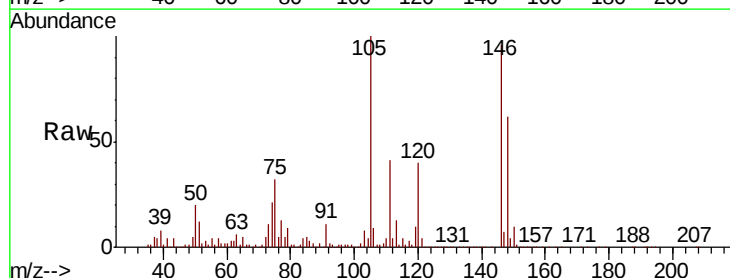
RT: 13.58 min Scan# 1916

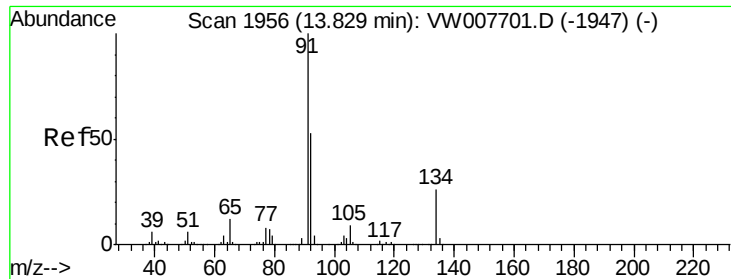
Delta R.T. 0.01 min

Lab File: VW007829.D

Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.0	63.0
148	64.3	31.8	95.4





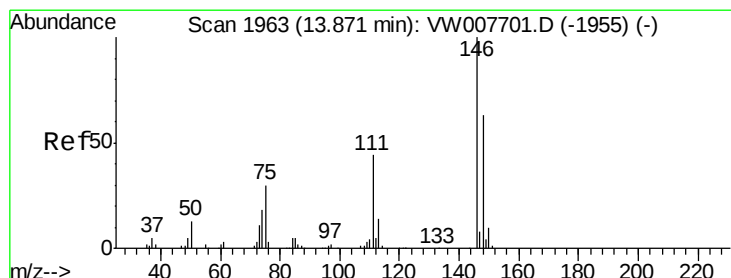
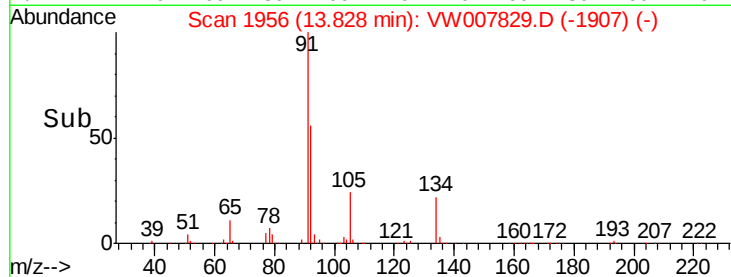
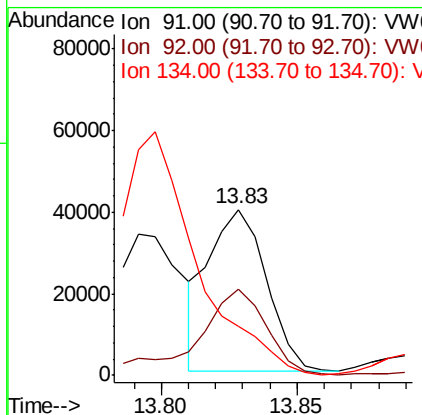
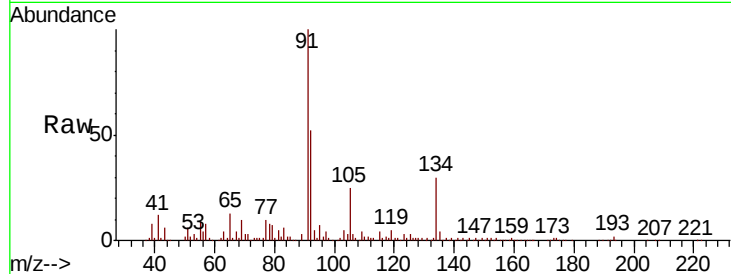
#89
n-Butylbenzene
Concen: 219.860 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.4	26.4	79.2
134	0.0	13.7	41.0#

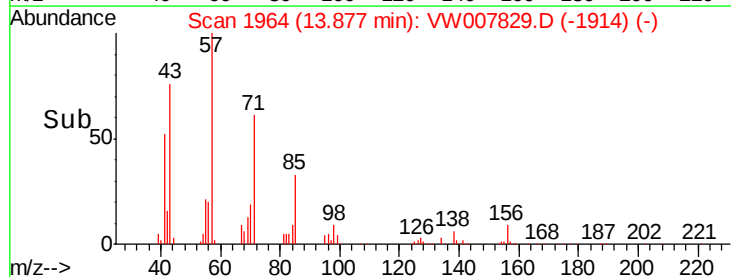
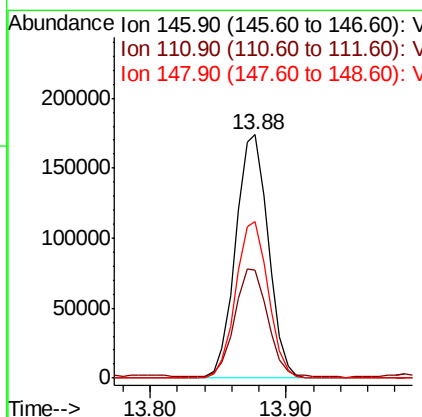
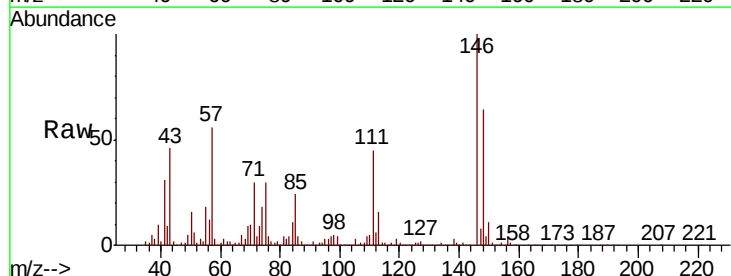
Manual Integrations
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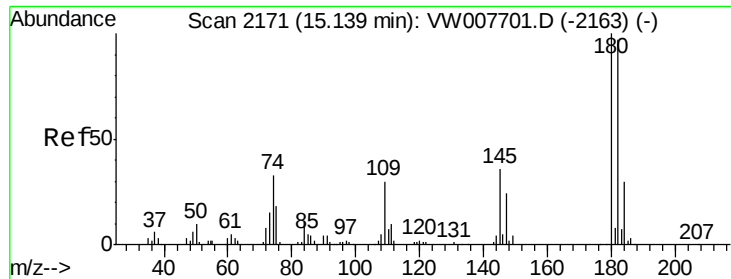
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 2369.584 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.7	65.1
148	63.7	32.1	96.5





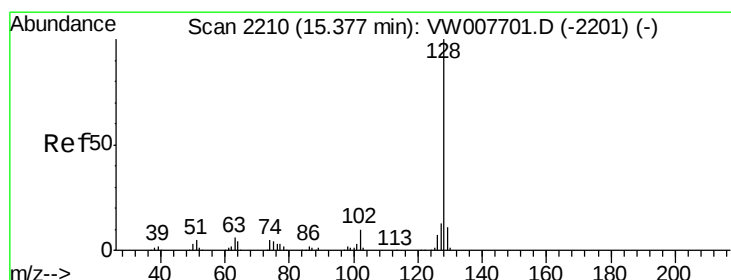
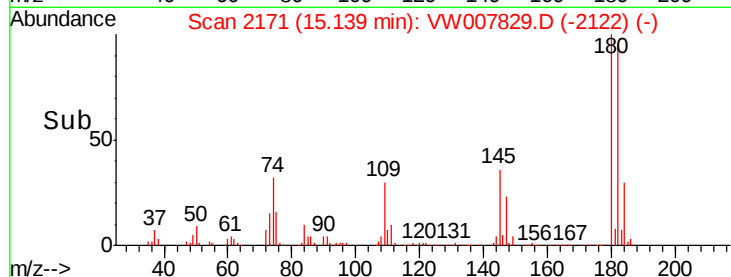
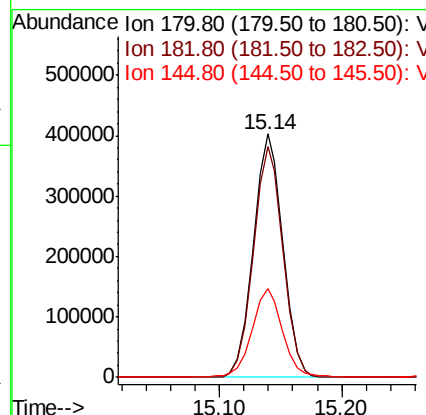
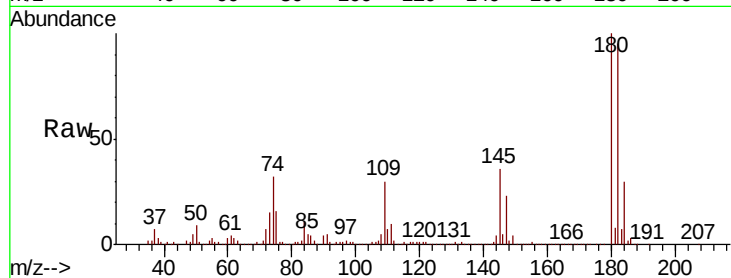
#93
1,2,4-Trichlorobenzene
Concen: 7897.241 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	37.7	17.5	52.5

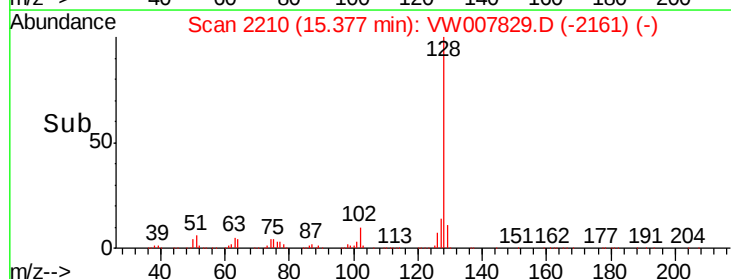
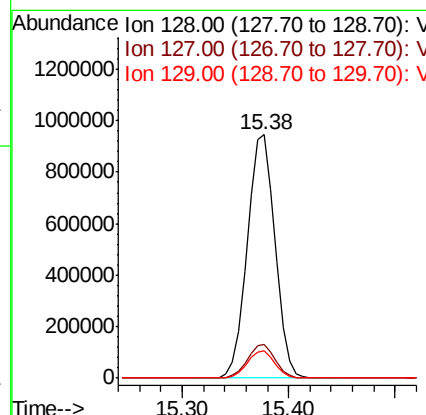
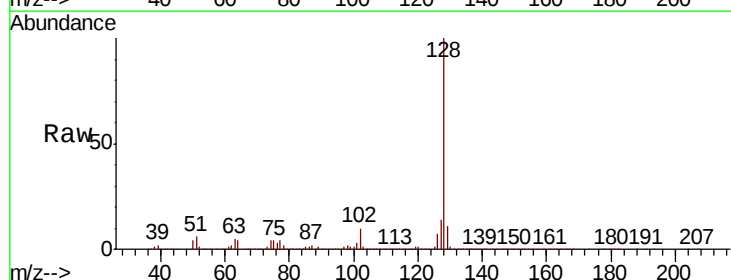
Manual Integrations
APPROVED

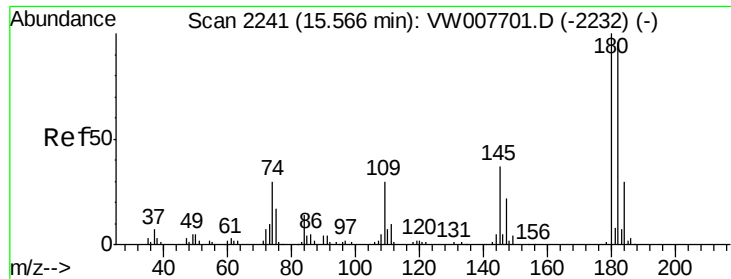
MMDadoda
12/26/2018 11:00:41 AM



#95
Naphthalene
Concen: 10997.214 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007829.D
Acq: 22 Dec 2018 08:49

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 3719.732 ug/l
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW007829.D
 Acq: 22 Dec 2018 08:49

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013A-2430-01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270963		
182	94.7		47.4	142.2
145	40.6		18.4	55.0

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:00:41 AM

