

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\
 Data File : VW006327.D
 Acq On : 24 Oct 2018 18:35
 Operator : SY/AP
 Sample : J5635-25
 Misc : 5.24G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 5:57:51 PM

Quant Time: Oct 25 09:01:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 07:32:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	343168	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	266463	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	71252m	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78870	20.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.52%
7) Chloroethane-d5	2.90	69	76694	23.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.08%
10) 1,1-Dichloroethene-d2	4.01	63	119481	16.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.32%
20) 2-Butanone-d5	7.09	46	48817	38.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.10%
24) Chloroform-d	7.65	84	171146	23.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	8.31	65	95884	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.24%
29) Benzene-d6	8.28	84	340679	28.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.64%
33) 1,2-Dichloropropane-d6	9.28	67	99089	27.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.56%
37) Toluene-d8	10.33	98	307329	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.60%
38) trans-1,3-Dichloropropene-	10.58	79	36047	20.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.28%
39) 2-Hexanone-d5	10.93	63	40448	45.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.70%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	67618	19.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	50155	20.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.16%

Target Compounds

					Ovalue
13) Acetone	4.14	43	34926	26.949 ug/L	100
14) Carbon disulfide	4.38	76	12869	0.999 ug/L	98
15) Methyl Acetate	4.67	43	2173m	1.035 ug/L	
16) Methylene chloride	4.92	84	9944	2.244 ug/L	96
21) 2-Butanone	7.19	43	3562	2.068 ug/L	74
34) Benzene	8.32	78	14840	1.085 ug/L	100
44) Toluene	10.39	91	17073	1.112 ug/L	95
52) Chlorobenzene	11.66	112	21706	2.088 ug/L	99
53) Ethylbenzene	11.74	91	17159	0.960 ug/L	95
54) m,p-Xylene	11.84	106	23107	3.297 ug/L	95
55) o-xylene	12.17	106	34877	5.211 ug/L	94
57) Isopropylbenzene	12.47	105	331651	17.810 ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	369574	84.462 ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	2243900	509.250 ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	85153	21.154 ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	316202	105.137 ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	57915	21.435 ug/L	99

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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

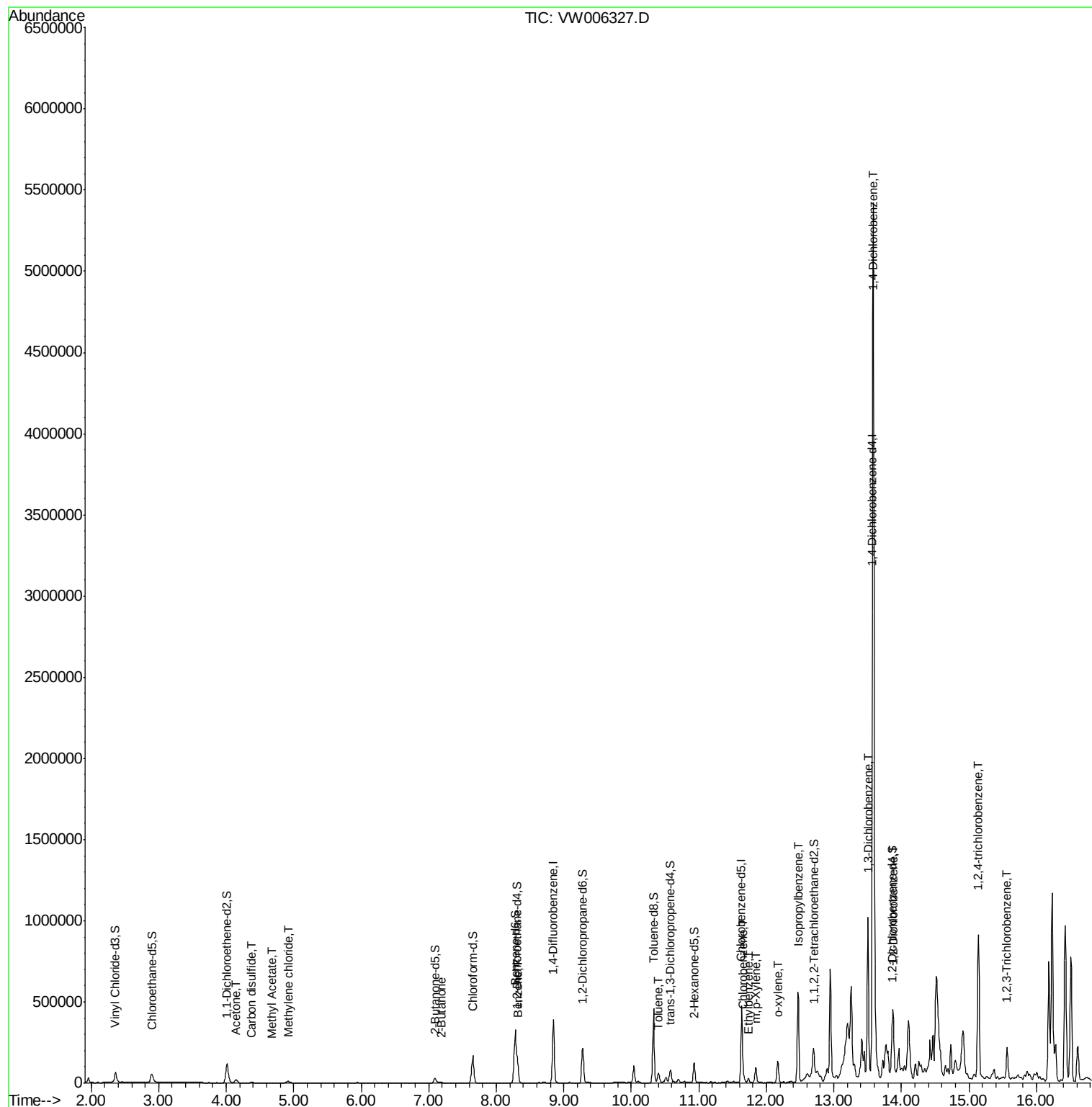
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102418\
Data File : VW006327.D
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ALS Vial : 1 Sample Multiplier: 1

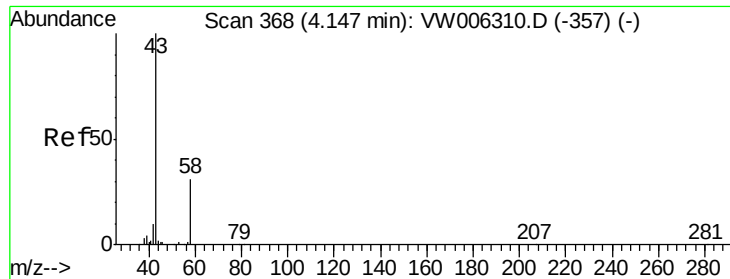
Instrument :
MSVOA_W
ClientSampleId :
A40G1

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Quant Time: Oct 25 09:01:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 07:32:16 2018
Response via : Initial Calibration





#13

Acetone

Concen: 26.949 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

A40G1

Tot Ion: 43 Resp: 34926

Ion Ratio Lower Upper

43 100

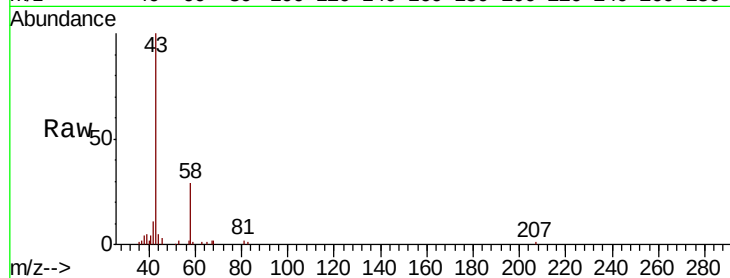
58 30.3 0.0 61.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

12000

10000

8000

6000

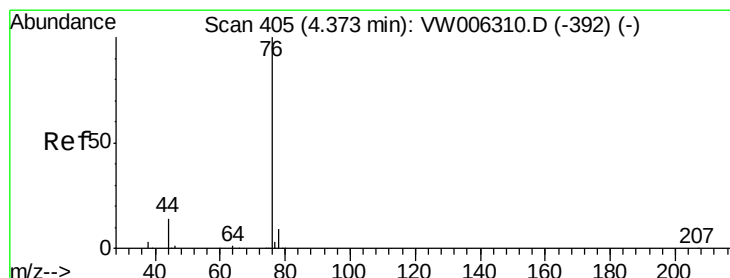
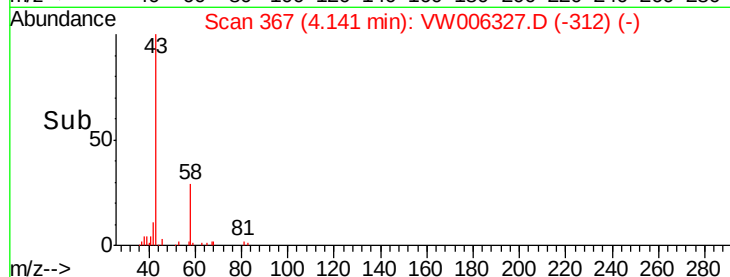
4000

2000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 0.999 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006327.D

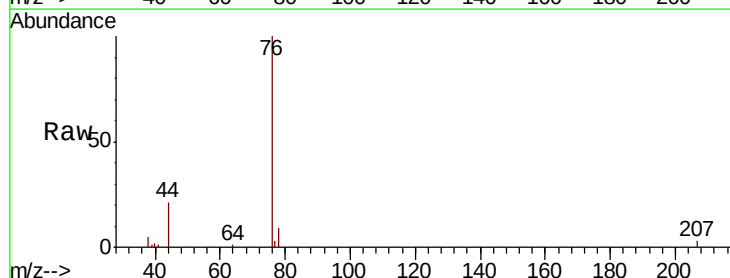
Acq: 24 Oct 2018 18:35

Tgt Ion: 76 Resp: 12869

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

5000

4000

3000

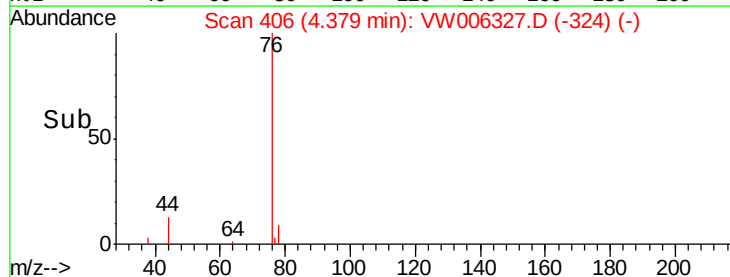
2000

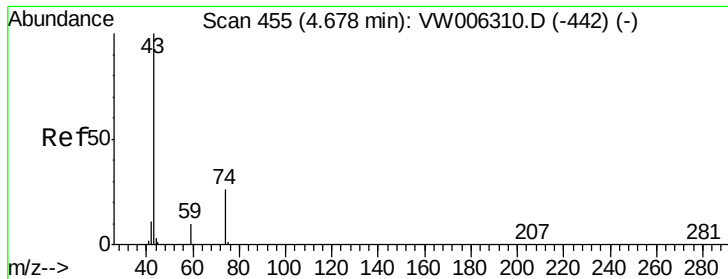
1000

0

4.30 4.40 4.50

Time-->





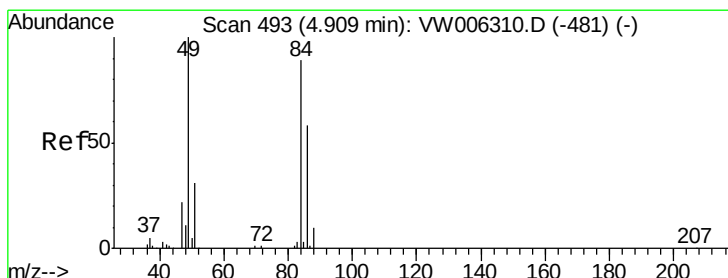
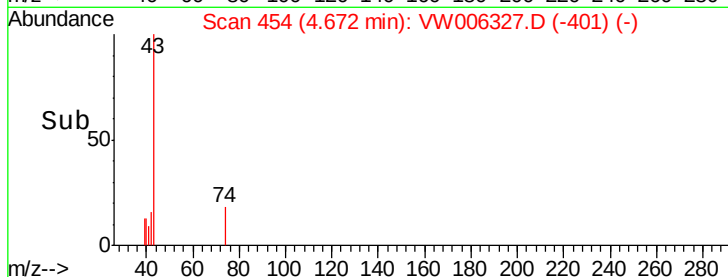
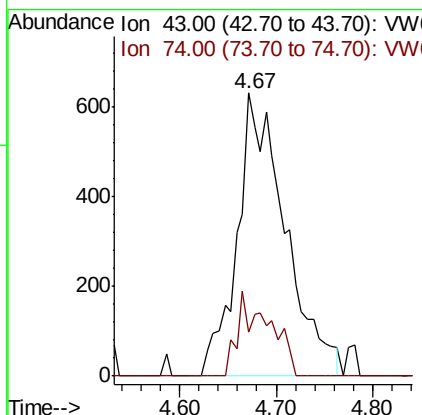
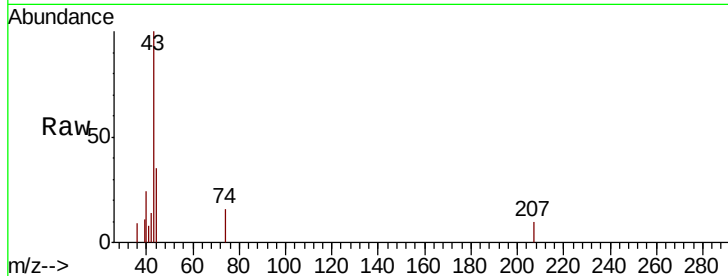
#15
Methyl Acetate
Concen: 1.035 ug/L m
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion	Ratio	Lower	Upper
43	100		
74	7.2	19.4	29.2#

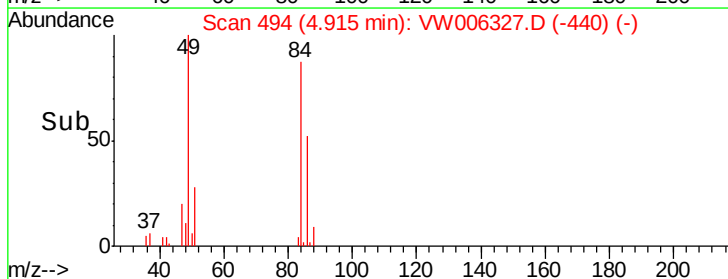
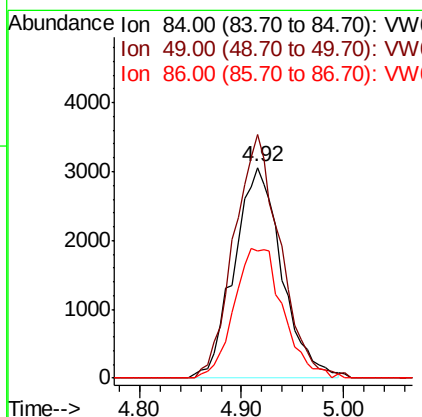
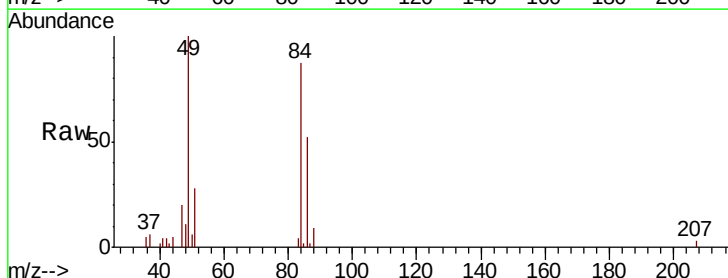
Manual Integrations
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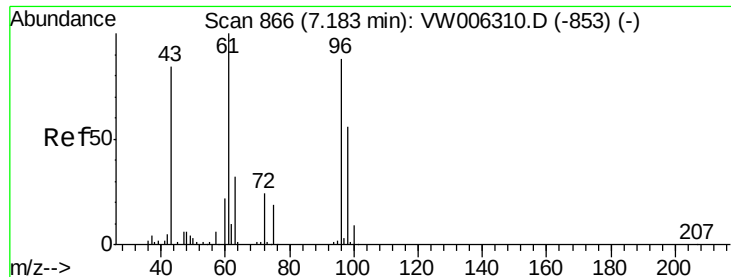
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#16
Methylene chloride
Concen: 2.244 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.4	83.5	155.1
86	60.3	44.9	83.5





#21

2-Butanone

Concen: 2.068 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

A40G1

Tot Ion: 43 Resp: 3562

Ion Ratio Lower Upper

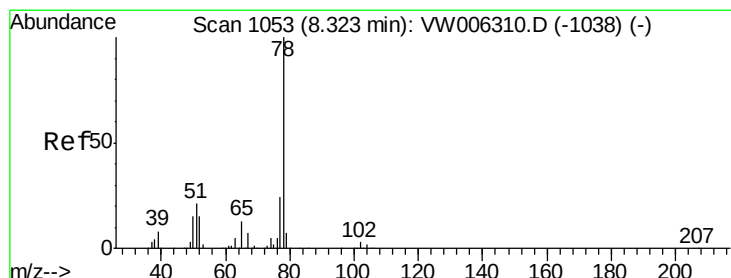
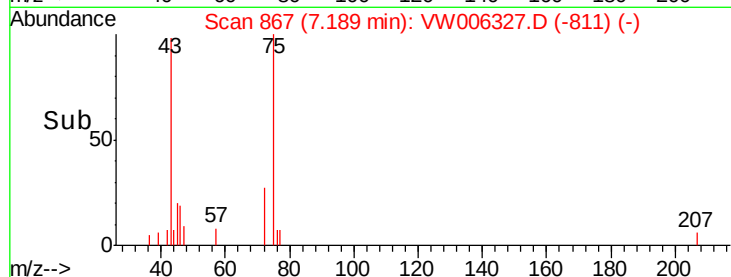
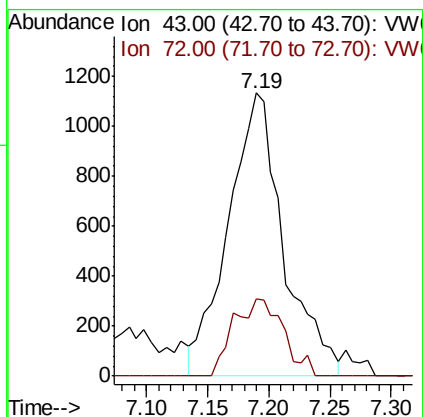
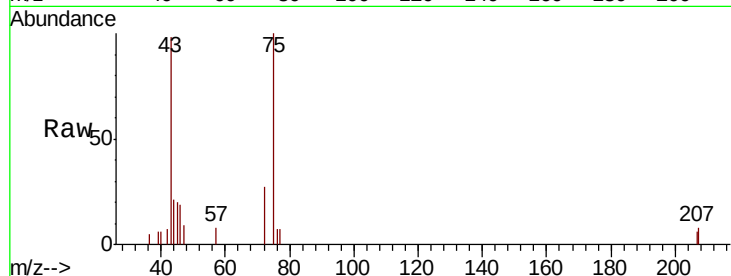
43 100

72 14.3 13.8 41.4

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#34

Benzene

Concen: 1.085 ug/L

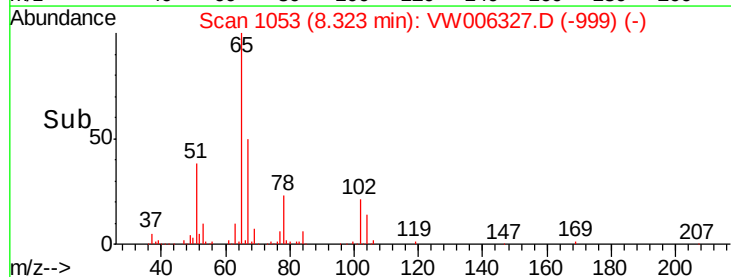
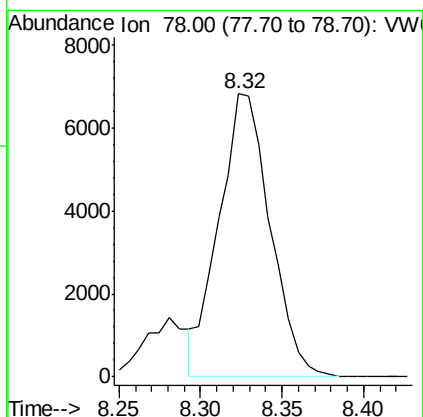
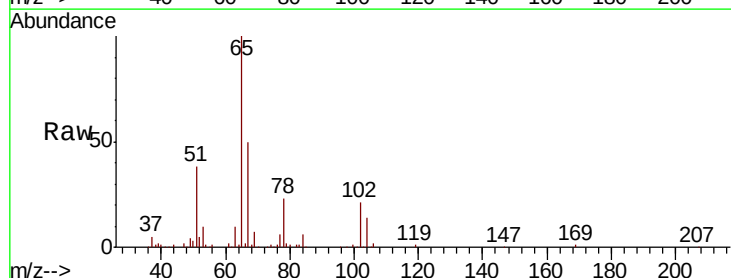
RT: 8.32 min Scan# 1053

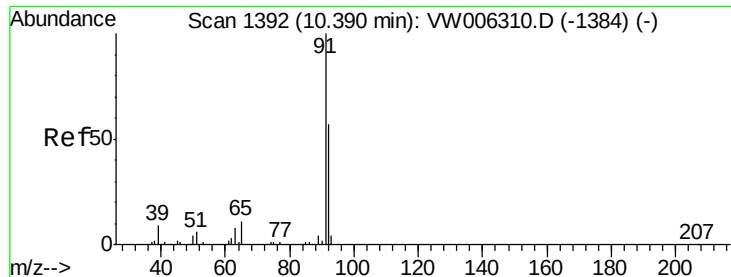
Delta R.T. -0.00 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Tgt Ion: 78 Resp: 14840





#44

Toluene

Concen: 1.112 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Instrument :

MSVOA_W

ClientSampleId :

A40G1

Tot Ion: 91 Resp: 17073

Ion Ratio Lower Upper

91 100

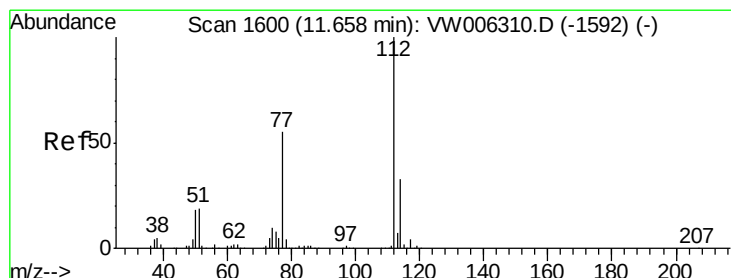
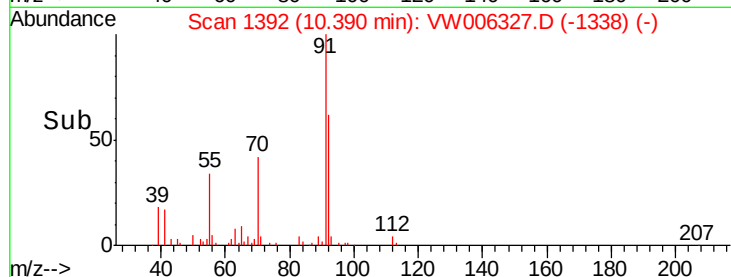
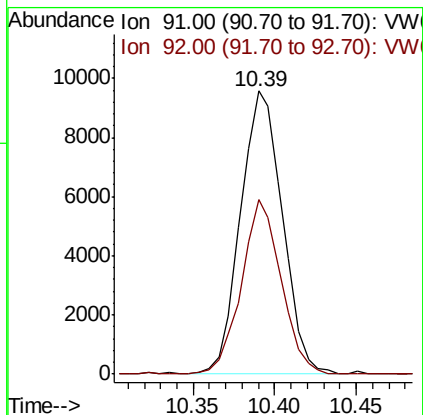
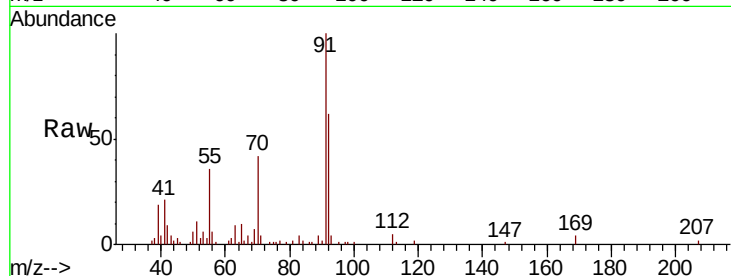
92 61.7 40.4 75.0

Manual Integrations

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#52

Chlorobenzene

Concen: 2.088 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

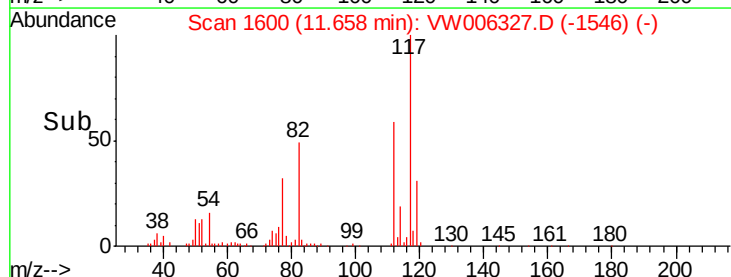
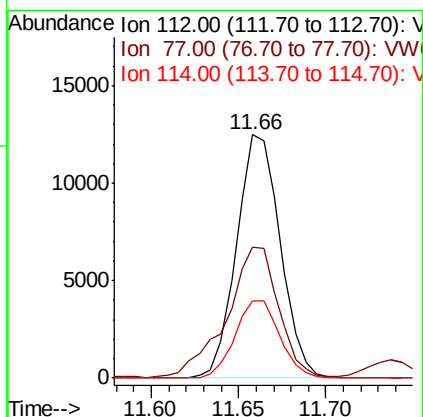
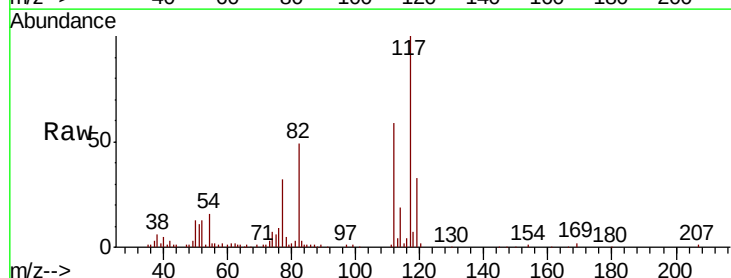
Tgt Ion: 112 Resp: 21706

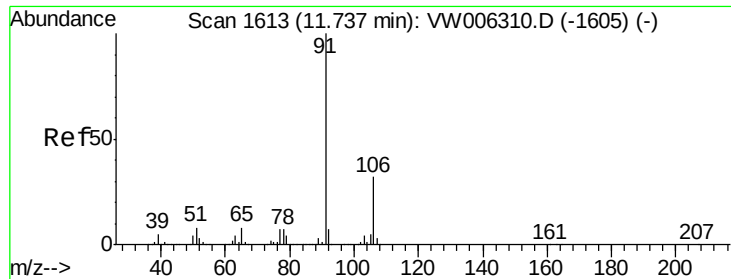
Ion Ratio Lower Upper

112 100

77 53.8 44.2 66.2

114 31.6 22.1 41.1





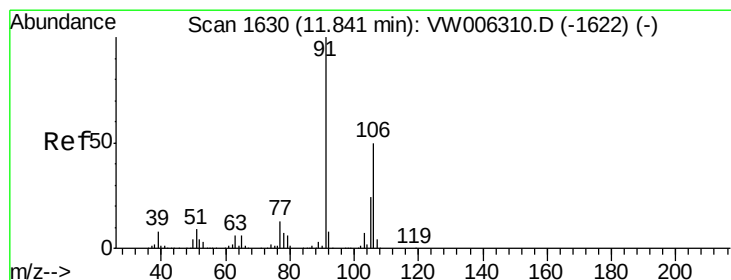
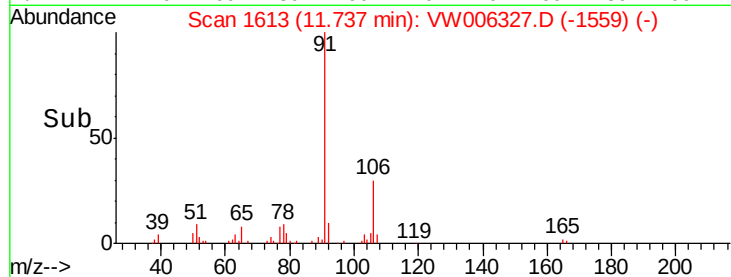
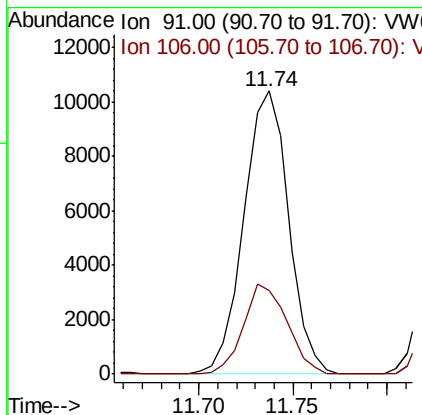
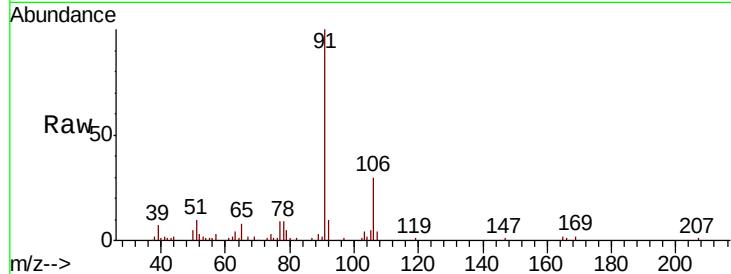
#53
Ethylbenzene
Concen: 0.960 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion: 91 Resp: 17159
Ion Ratio Lower Upper
91 100
106 29.6 22.6 42.0

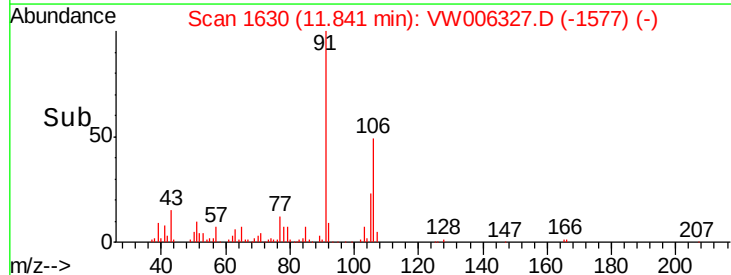
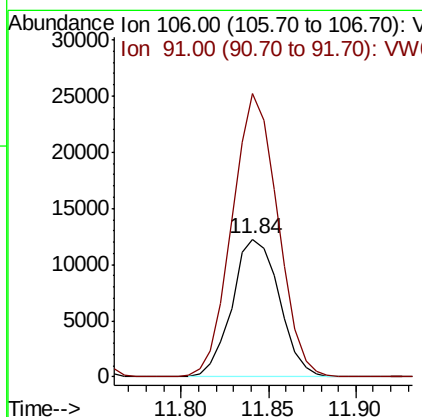
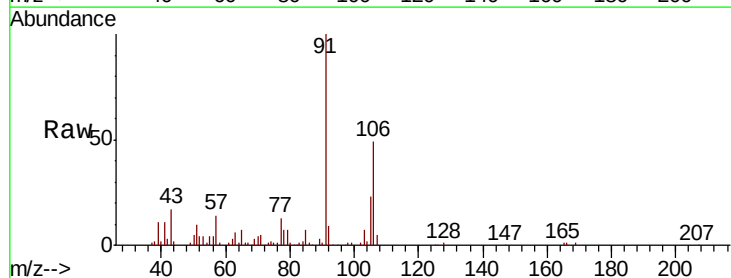
Manual Integrations
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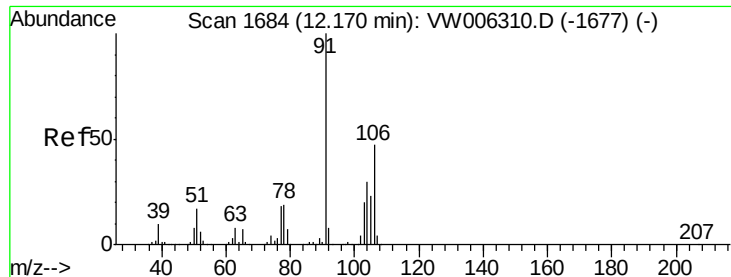
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10/29/2018 5:57:51 PM



#54
m,p-Xylene
Concen: 3.297 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion:106 Resp: 23107
Ion Ratio Lower Upper
106 100
91 205.3 138.4 257.0





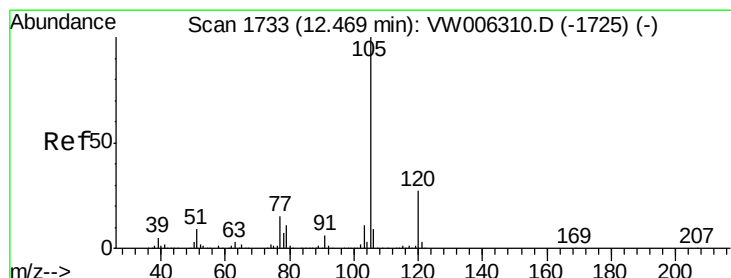
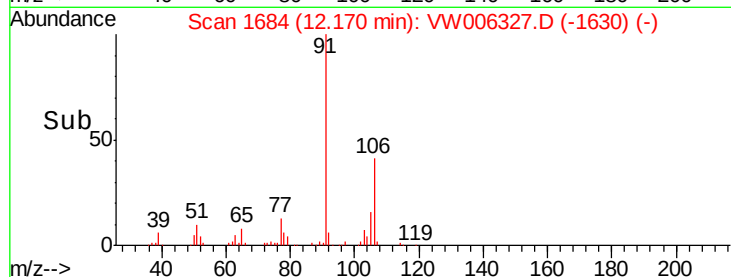
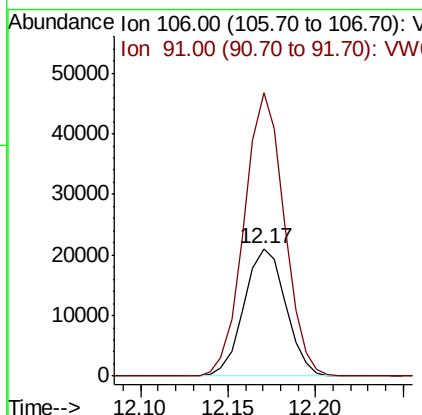
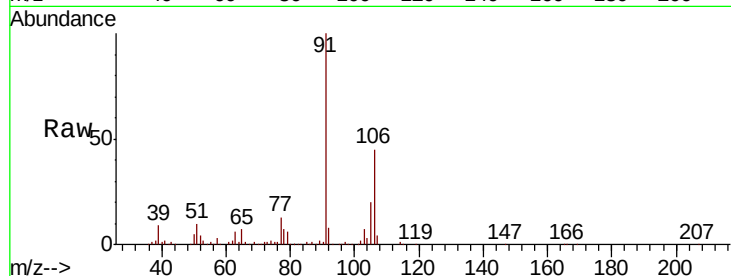
#55
o-xylene
Concen: 5.211 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion:106 Resp: 34877
Ion Ratio Lower Upper
106 100
91 221.7 148.7 276.1

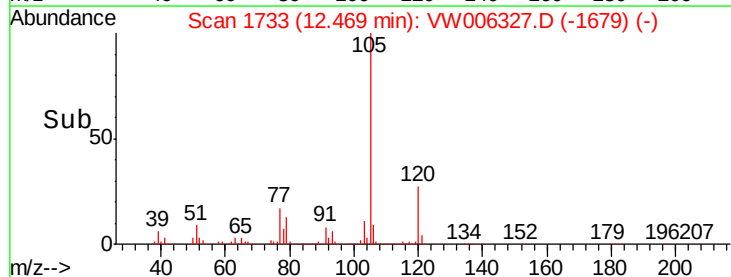
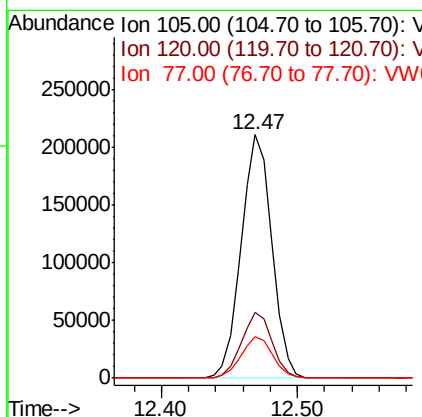
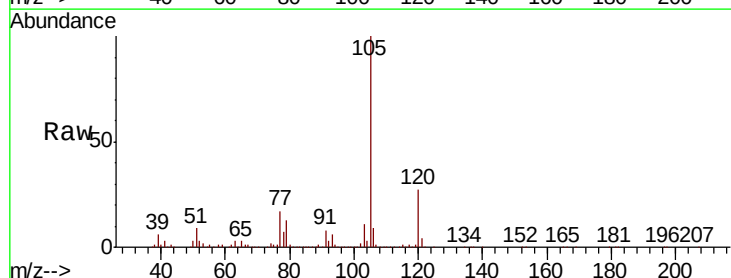
Manual Integrations
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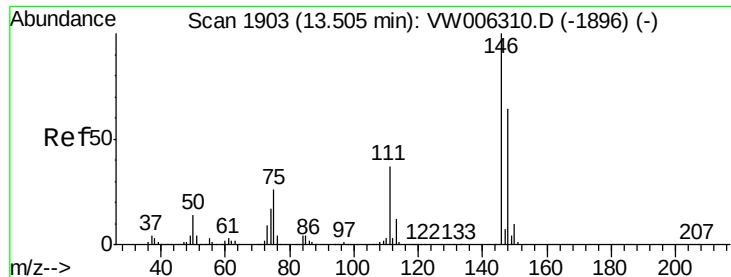
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10/29/2018 5:57:51 PM



#57
Isopropylbenzene
Concen: 17.810 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion:105 Resp: 331651
Ion Ratio Lower Upper
105 100
120 26.9 21.8 32.6
77 17.5 12.2 18.2





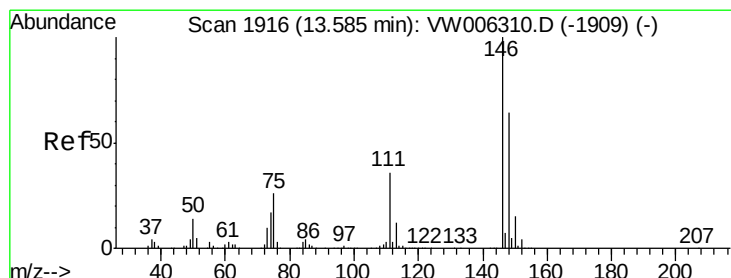
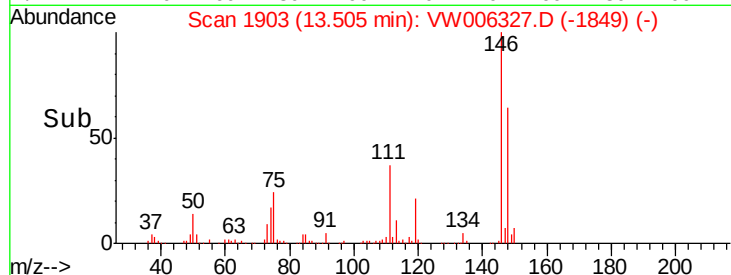
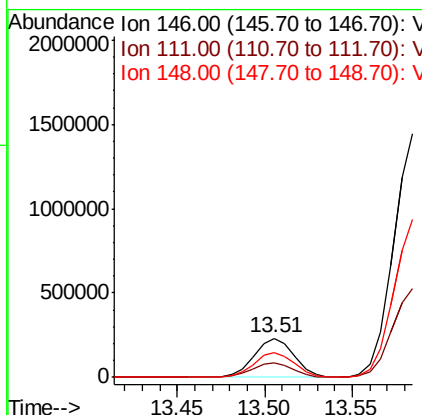
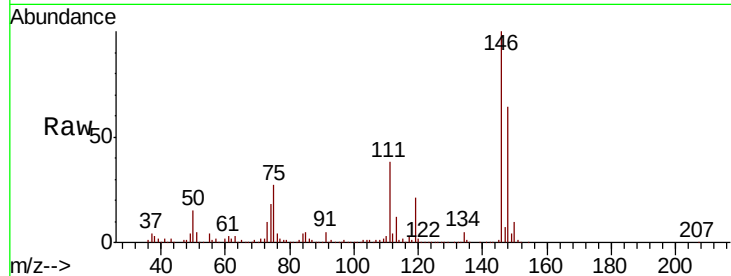
#63
 1,3-Dichlorobenzene
 Concen: 84.462 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006327.D
 Acq: 24 Oct 2018 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.3	48.9
148	64.1	44.7	82.9

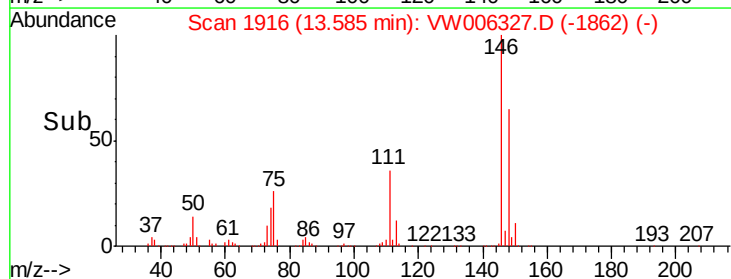
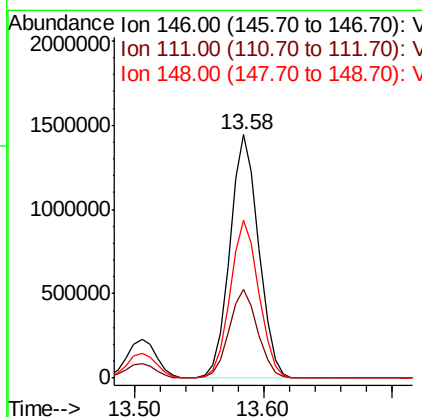
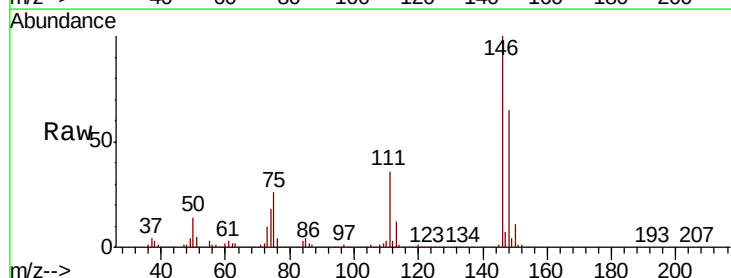
Manual Integrations
 APPROVED

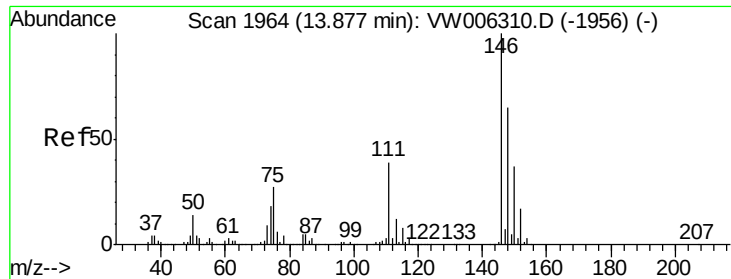
MMDadoda
 10/29/2018 5:57:51 PM



#64
 1,4-Dichlorobenzene
 Concen: 509.250 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006327.D
 Acq: 24 Oct 2018 18:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	24.7	45.9
148	64.7	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 21.154 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Instrument :

MSVOA_W

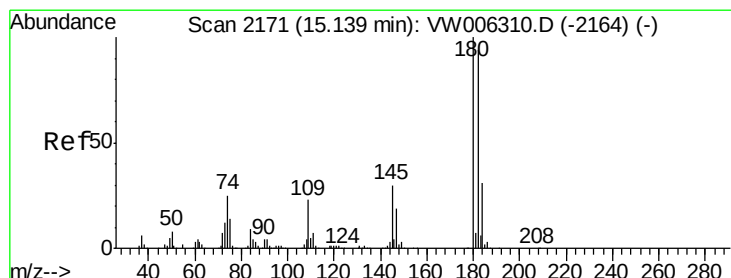
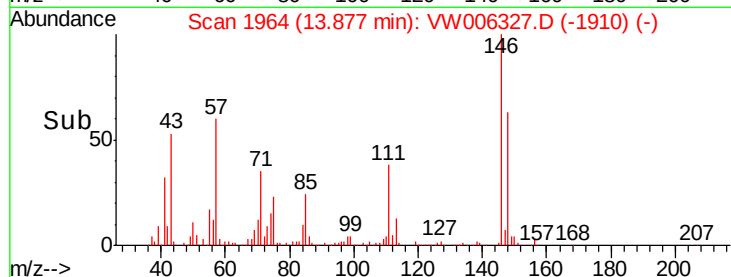
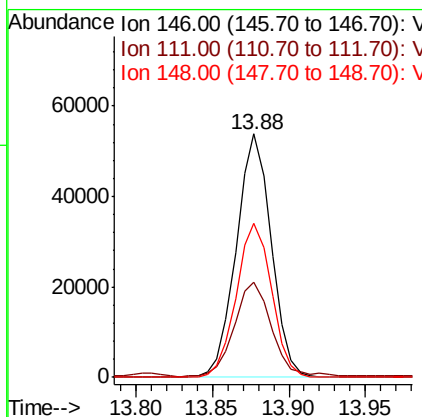
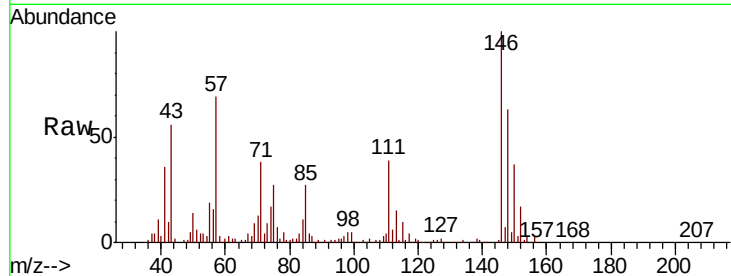
ClientSampled :

A40G1

Tot Ion:	146	Resp:	85153
Ion Ratio	Lower	Upper	
146	100		
111	39.2	31.1	46.7
148	63.0	51.2	76.8

Manual Integrations
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#68

1,2,4-trichlorobenzene

Concen: 105.137 ug/L

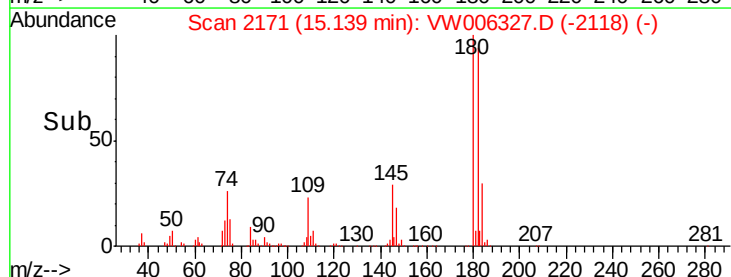
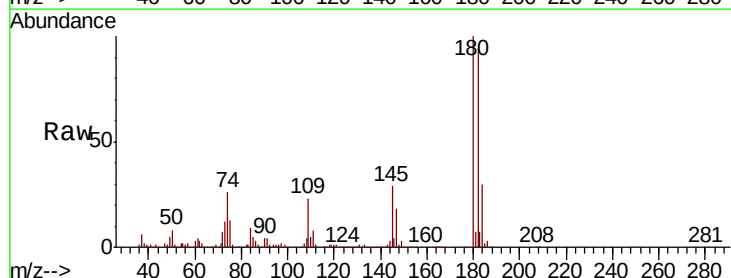
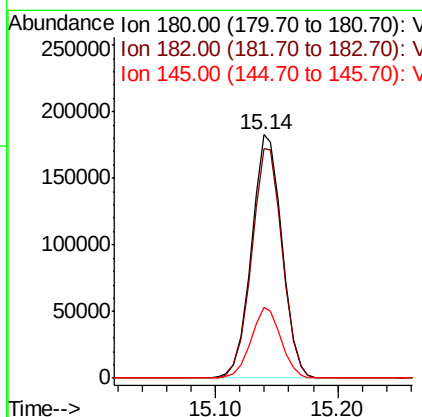
RT: 15.14 min Scan# 2171

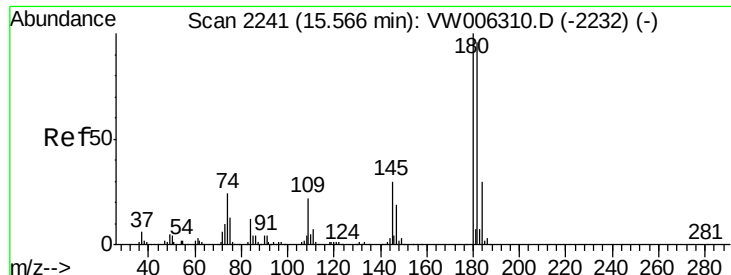
Delta R.T. -0.01 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Tgt Ion:	180	Resp:	316202
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.2	114.2
145	29.1	23.0	34.6





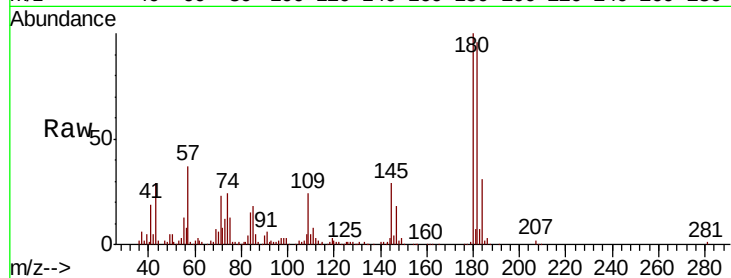
#70
 1,2,3-Trichlorobenzene
 Concen: 21.435 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW006327.D
 Acq: 24 Oct 2018 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G1

Tot Ion	Ratio	Resp	Lower	Upper
180	100	57915		
182	93.7		75.5	113.3
145	30.8		24.5	36.7

Manual Integrations
 APPROVED

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 10/29/2018 5:57:51 PM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

