

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102418\
 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

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 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 Time: Oct 25 09:01:28 2018
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Quant Title : VOC Analysis
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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

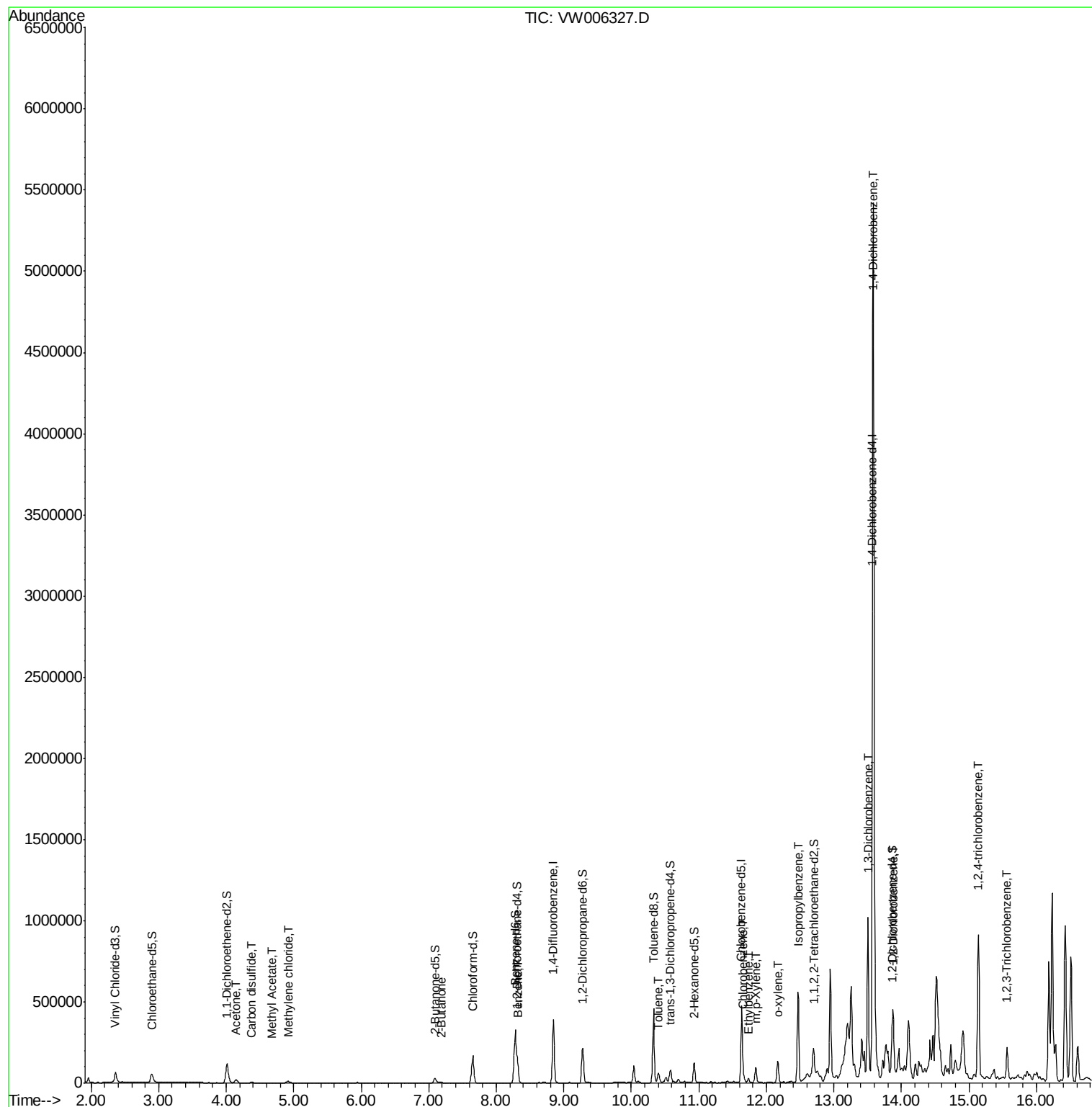
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102418\
Data File : VW006327.D
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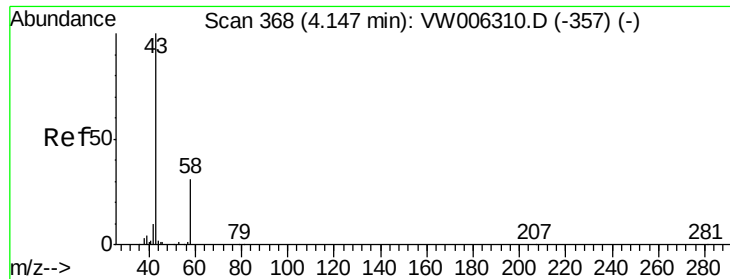
Instrument :
MSVOA_W
ClientSampleId :
A40G1

Manual Integrations
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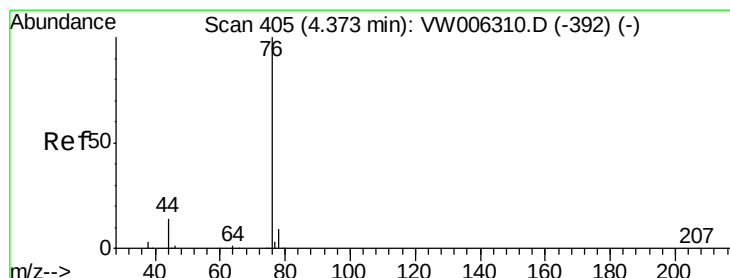
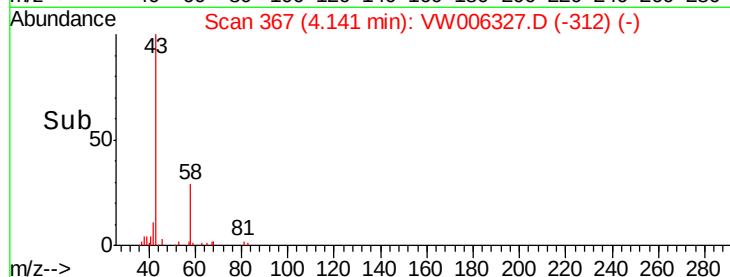
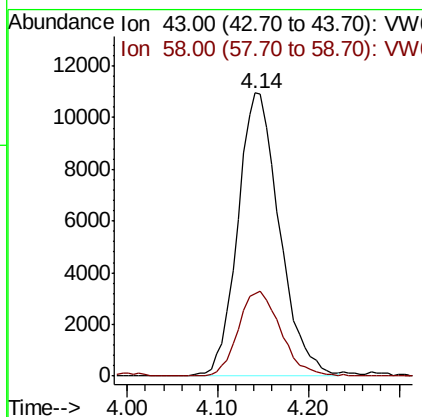
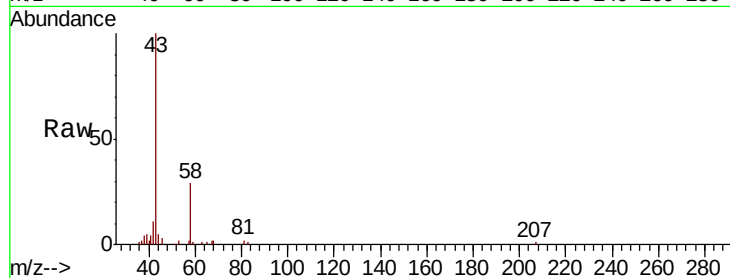
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Acetone
Concen: 26.949 ug/L
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion	43	Resp	34926
Ion Ratio	100	Lower	Upper
43	100		
58	30.3	0.0	61.2

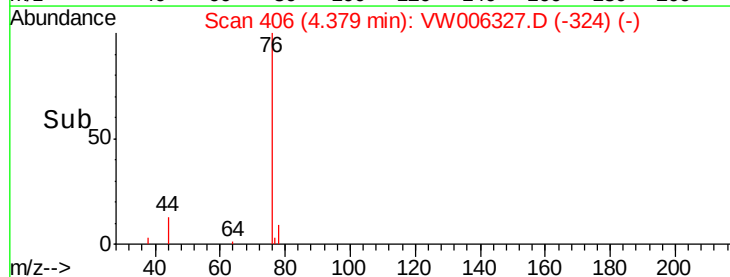
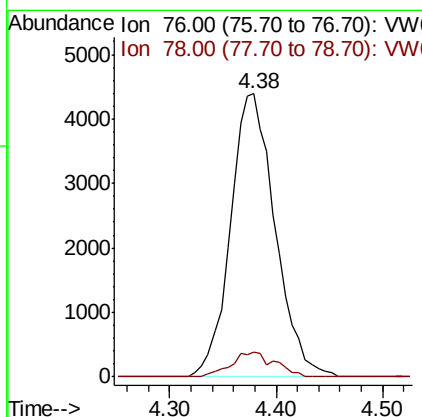
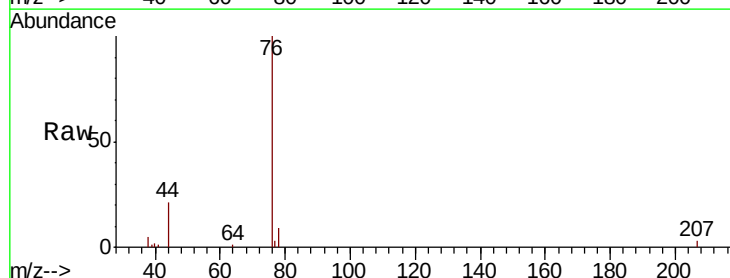
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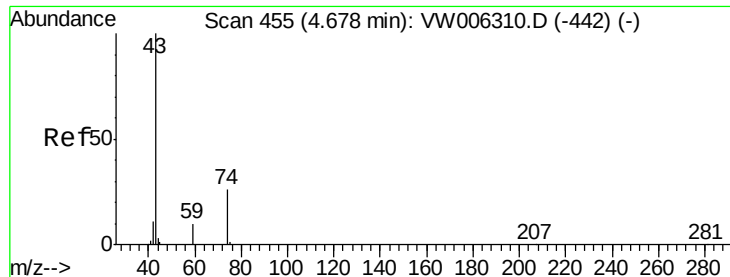
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#14
Carbon disulfide
Concen: 0.999 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion	76	Resp	12869
Ion Ratio	100	Lower	Upper
76	100		
78	8.7	7.6	11.4





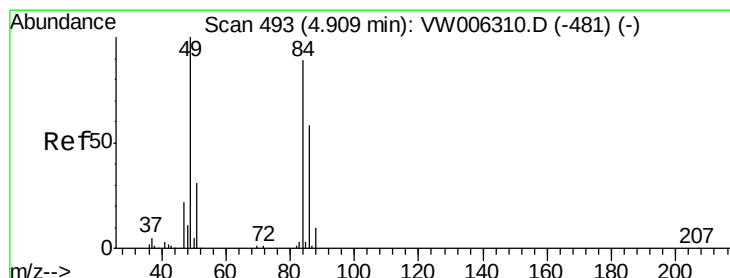
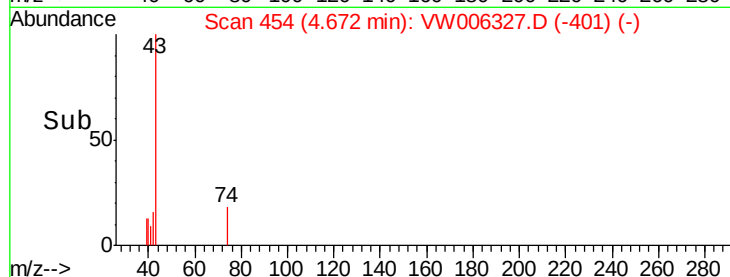
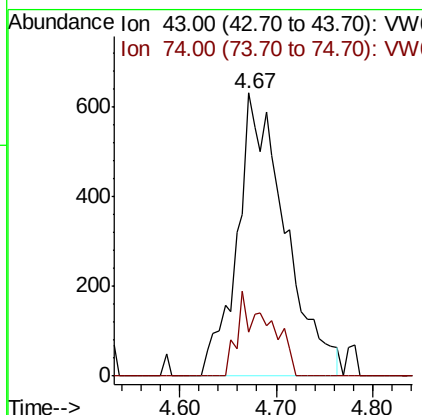
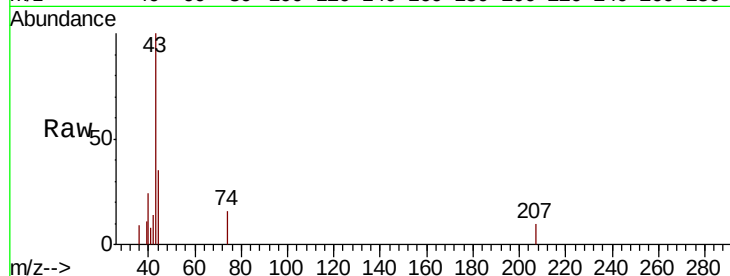
#15
Methvl Acetate
Concen: 1.035 ug/L m
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
74 7.2 19.4 29.2#

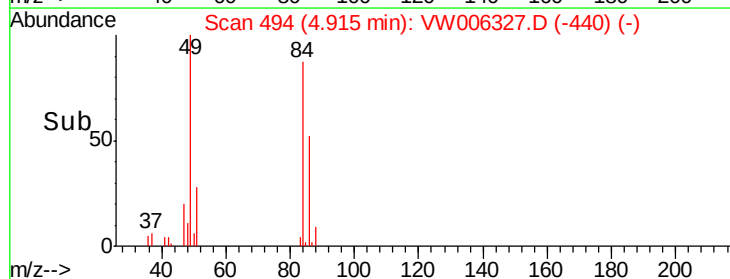
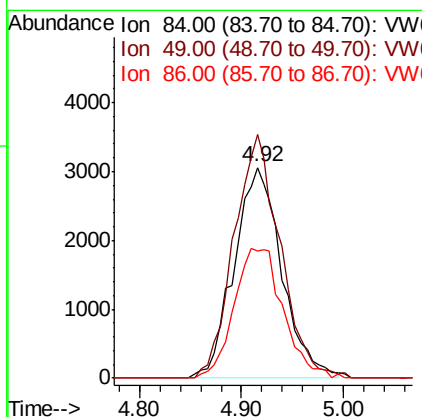
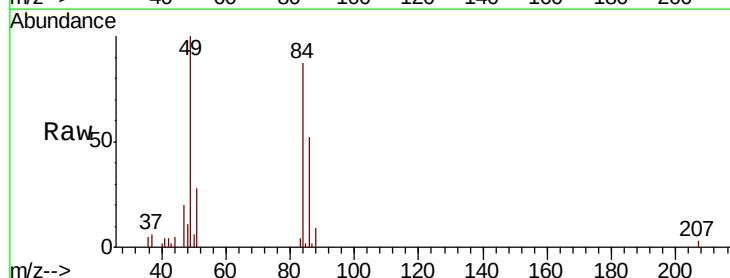
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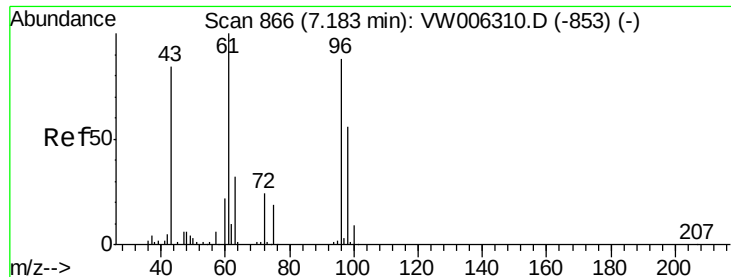
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#16
Methylene chloride
Concen: 2.244 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion: 84 Resp: 9944
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

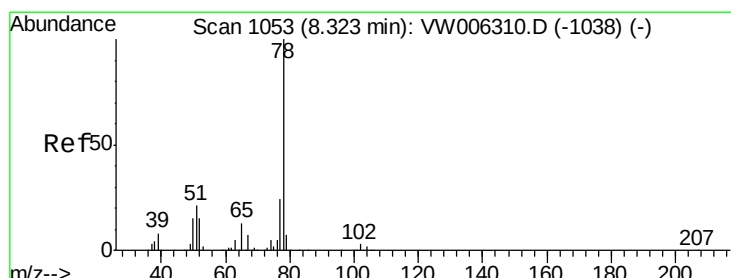
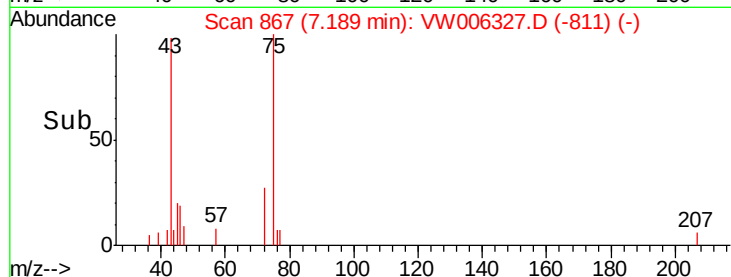
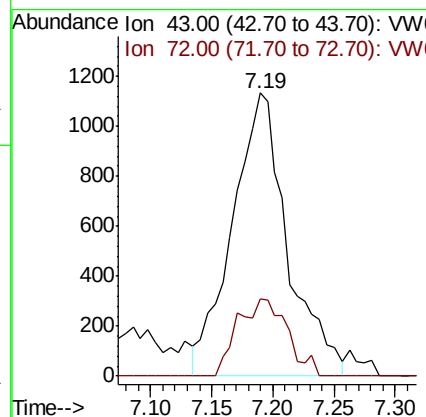
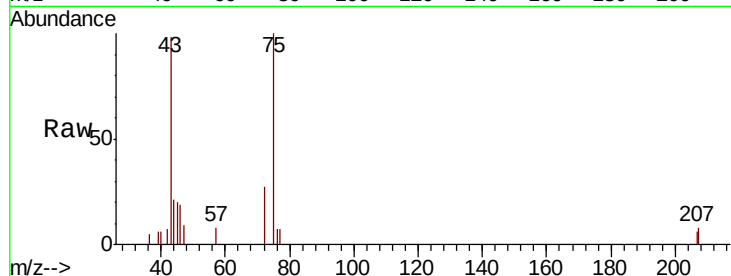
72 14.3 13.8 41.4

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#34

Benzene

Concen: 1.085 ug/L

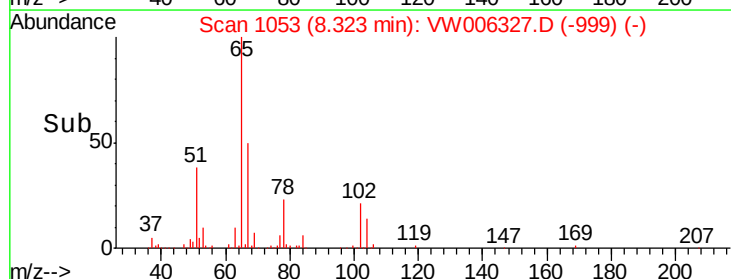
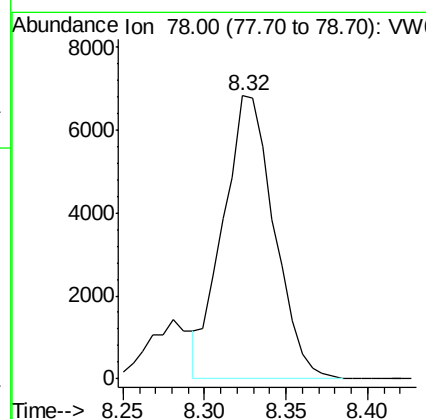
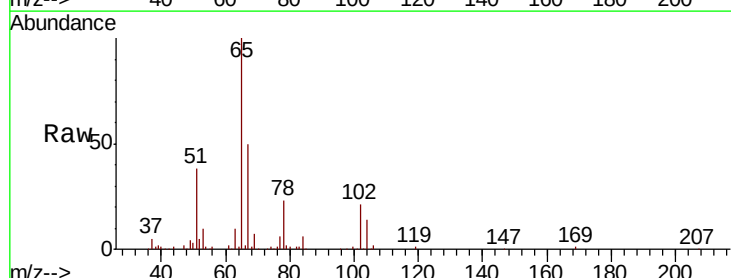
RT: 8.32 min Scan# 1053

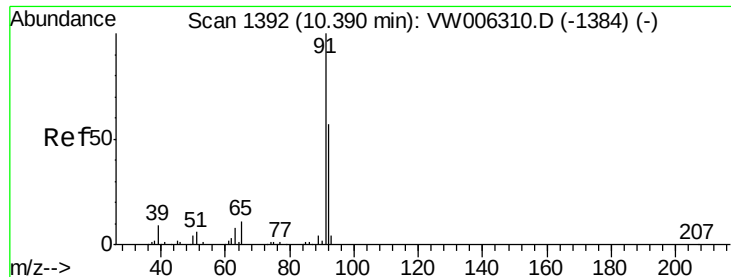
Delta R.T. -0.00 min

Lab File: VW006327.D

Acq: 24 Oct 2018 18:35

Tgt Ion: 78 Resp: 14840





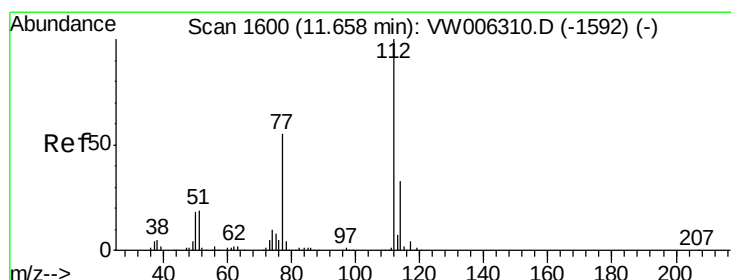
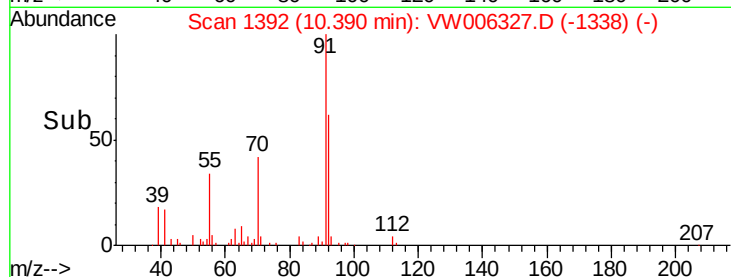
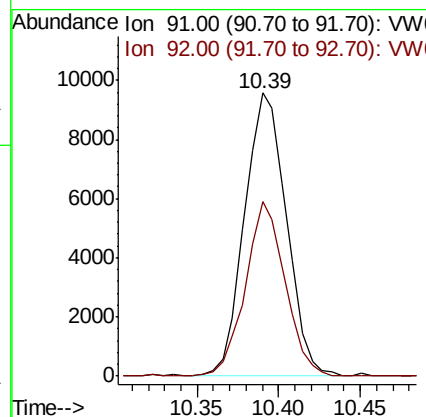
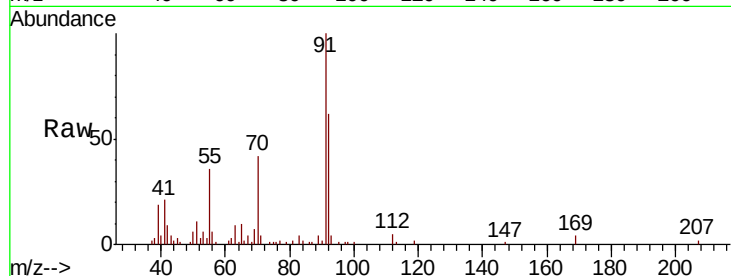
#44
Toluene
Concen: 1.112 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	61.7	40.4	75.0	

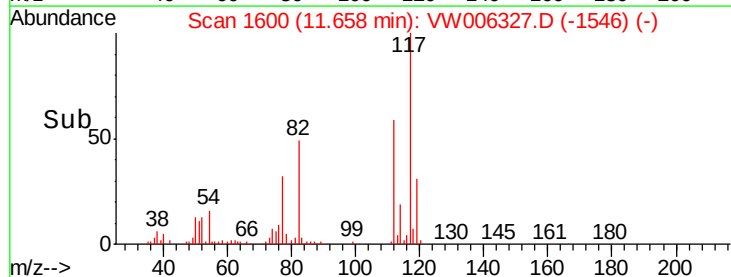
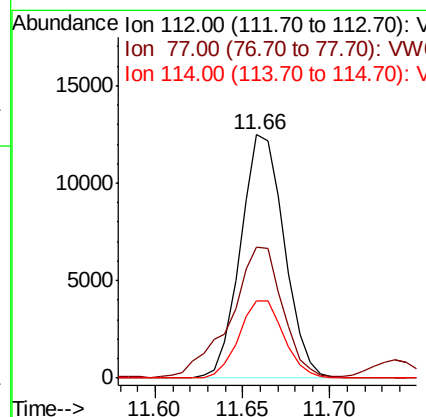
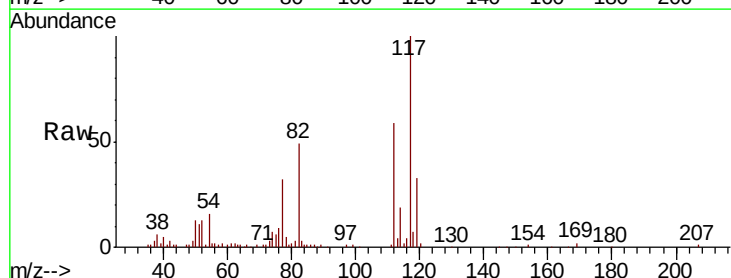
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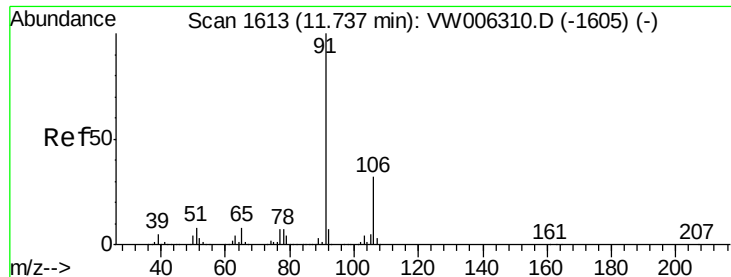
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#52
Chlorobenzene
Concen: 2.088 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Tgt Ion	Ion	Ratio	Lower	Upper
112	100			
77	53.8	44.2	66.2	
114	31.6	22.1	41.1	





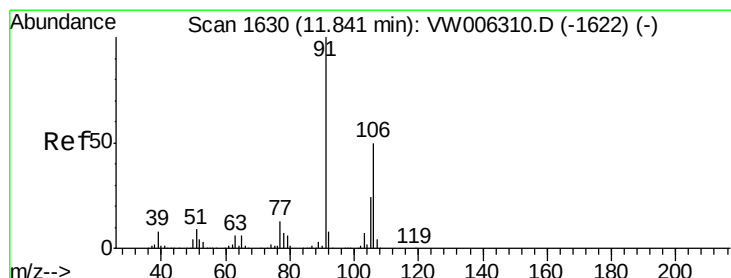
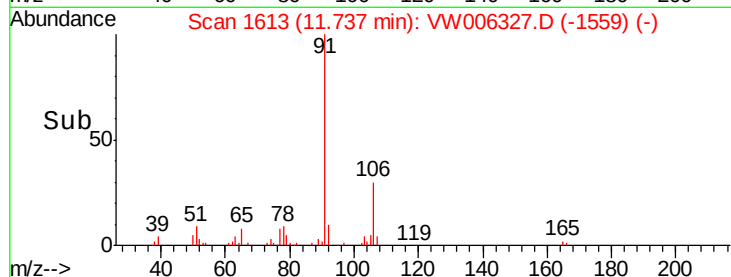
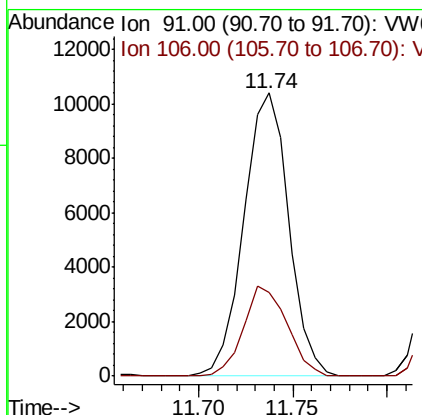
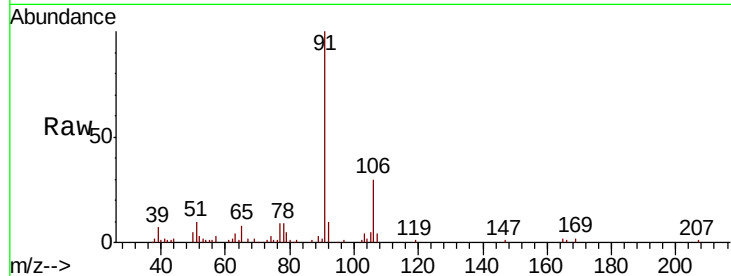
#53
Ethylbenzene
Concen: 0.960 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

Instrument :
MSVOA_W
ClientSampleId :
A40G1

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

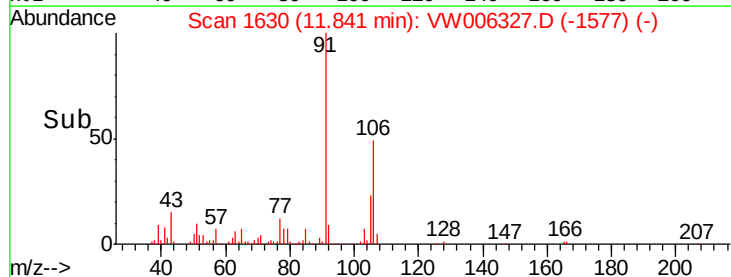
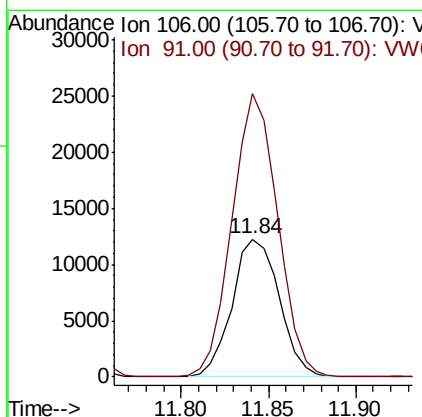
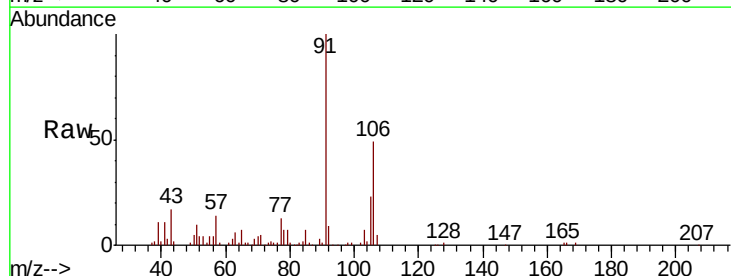
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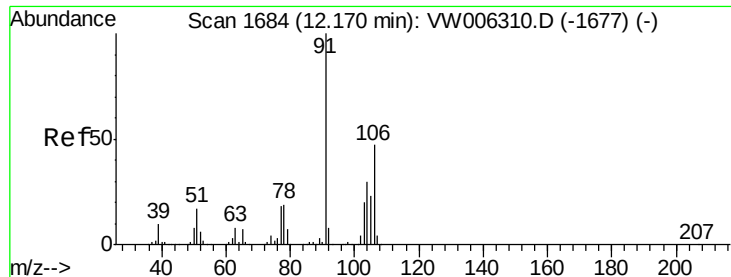
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#54
m,p-Xylene
Concen: 3.297 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

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

ClientSampled :

A40G1

Tot Ion:106 Resp: 34877

Ion Ratio Lower Upper

106 100

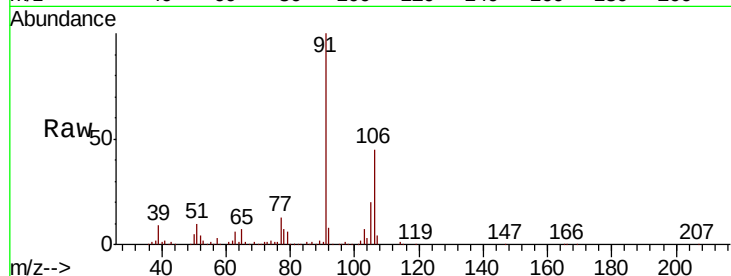
91 221.7 148.7 276.1

Manual Integrations

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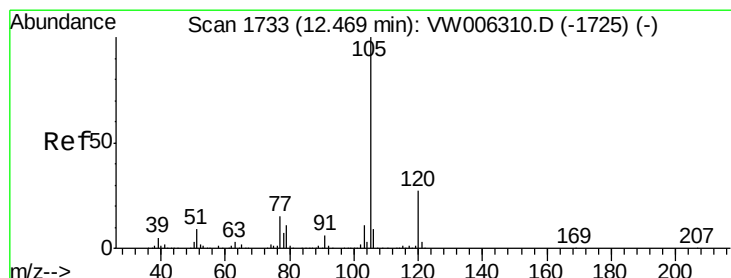
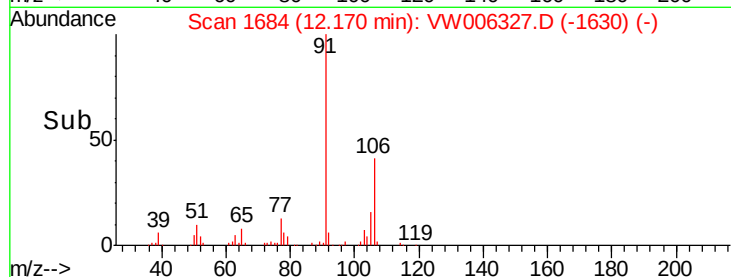
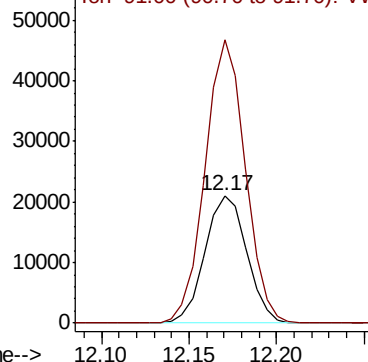
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#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

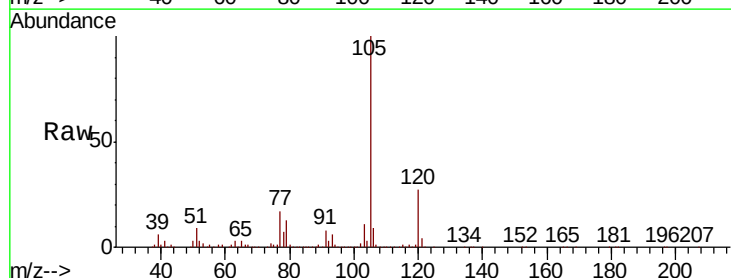
Tgt Ion:105 Resp: 331651

Ion Ratio Lower Upper

105 100

120 26.9 21.8 32.6

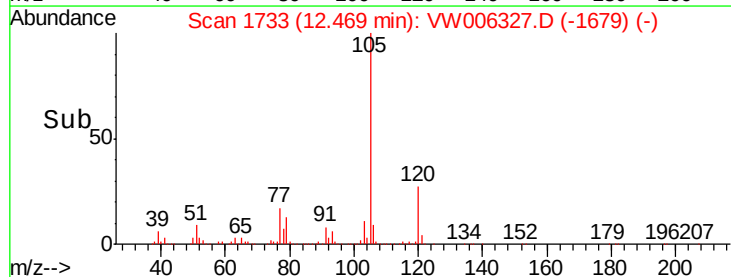
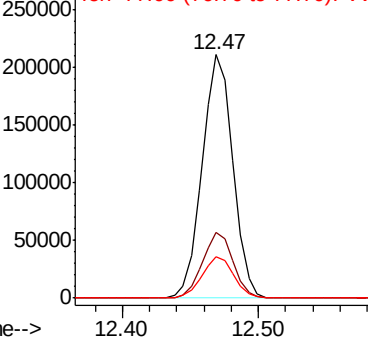
77 17.5 12.2 18.2

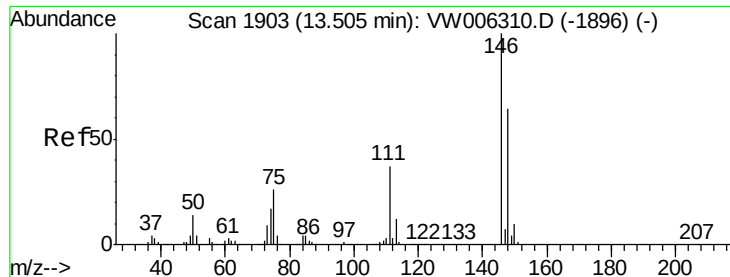


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





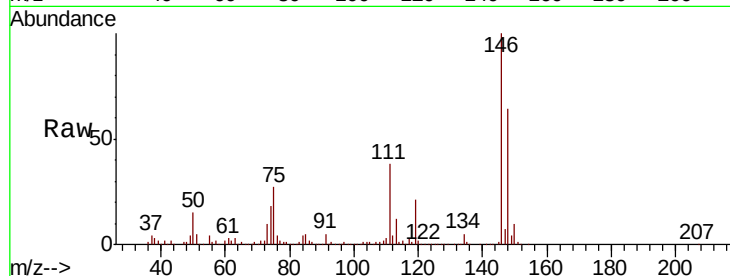
#63
1,3-Dichlorobenzene
Concen: 84.462 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW006327.D
Acq: 24 Oct 2018 18:35

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

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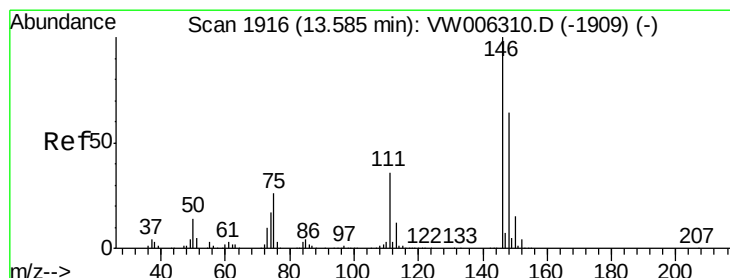
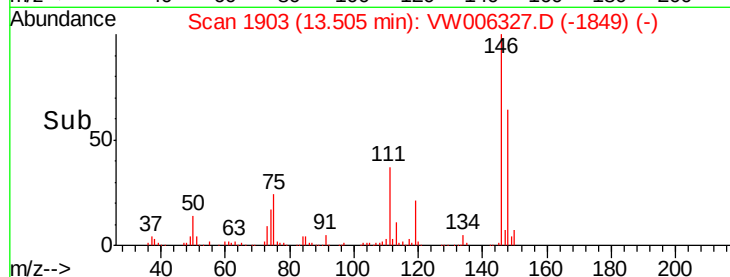
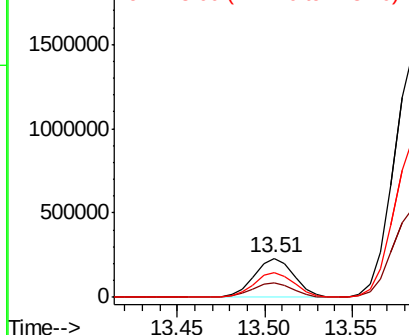


Abundance

Ion 146.00 (145.70 to 146.70): V

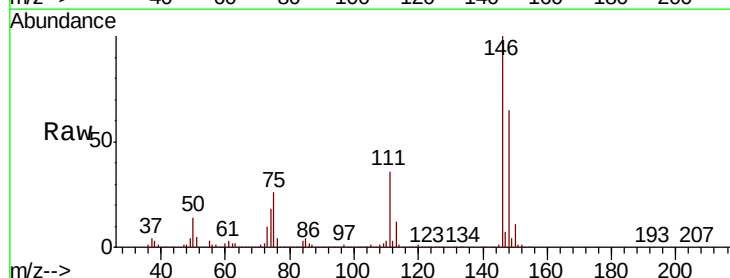
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#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

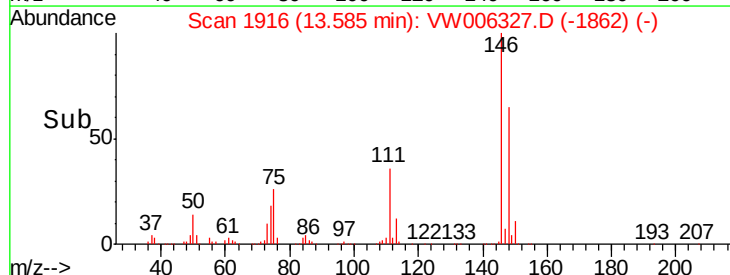
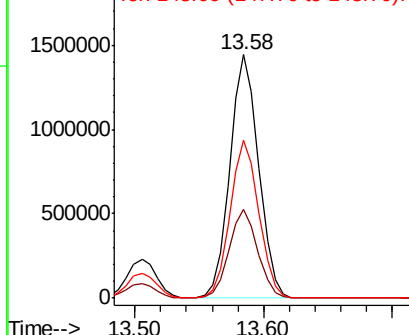


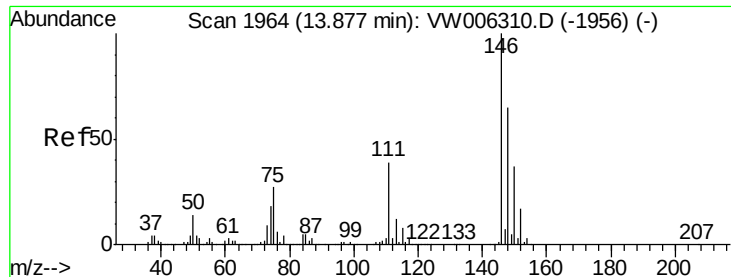
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#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

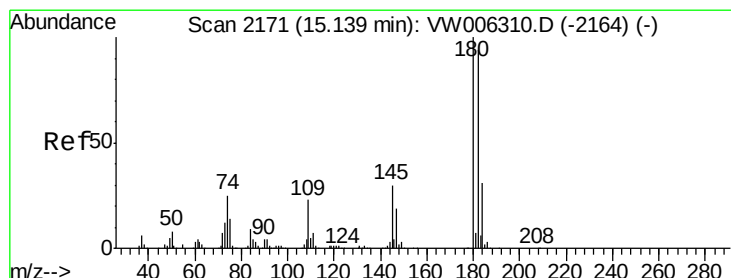
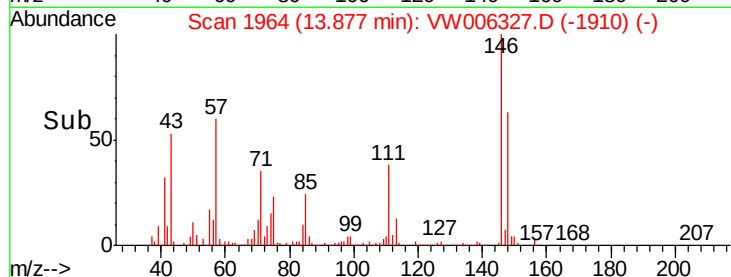
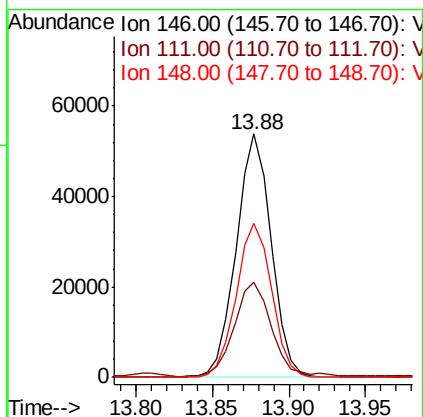
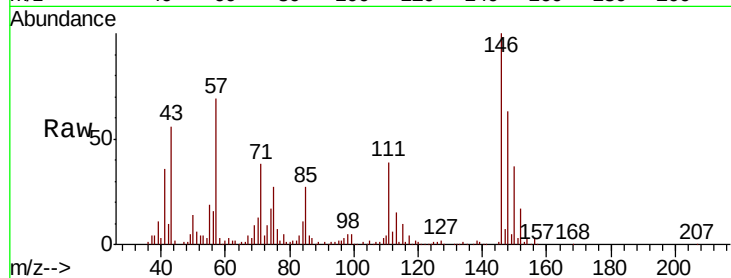
ClientSampled :

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

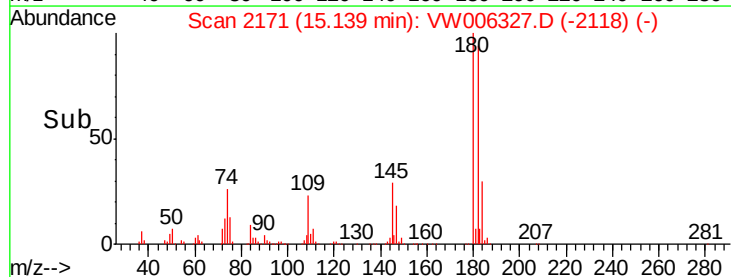
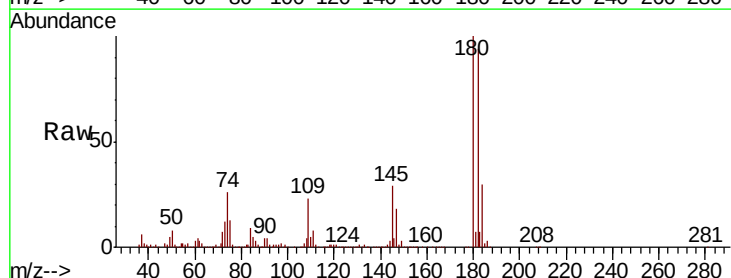
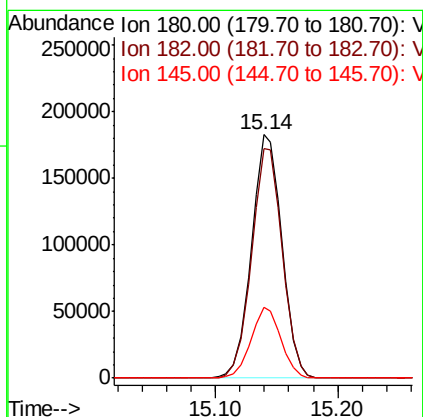
RT: 15.14 min Scan# 2171

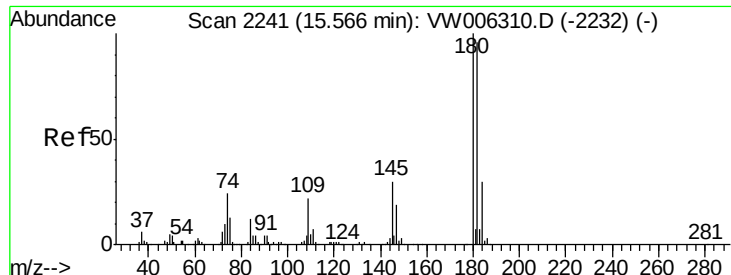
Delta R.T. -0.01 min

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





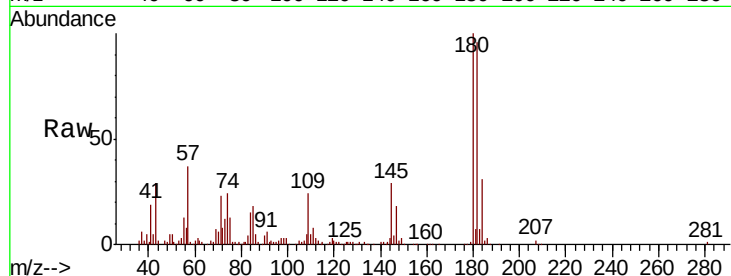
#70
 1,2,3-Trichlorobenzene
 Concen: 21.435 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW006327.D
 Acq: 24 Oct 2018 18:35

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
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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

