

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\
 Data File : VW006328.D
 Acq On : 24 Oct 2018 19:01
 Operator : SY/AP
 Sample : J5635-26
 Misc : 4.75G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 5:57:42 PM

Quant Time: Oct 25 09:07:21 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	374767	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289725	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	90697m	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74952	17.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.92%
7) Chloroethane-d5	2.90	69	73471	20.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.80%
10) 1,1-Dichloroethene-d2	4.01	63	111497	13.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.96%
20) 2-Butanone-d5	7.09	46	45758	32.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.32%
24) Chloroform-d	7.65	84	162286	19.99	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.96%
26) 1,2-Dichloroethane-d4	8.31	65	88878	19.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.16%
29) Benzene-d6	8.28	84	323936	24.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.52%
33) 1,2-Dichloropropane-d6	9.28	67	93614	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.33	98	289934	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.16%
38) trans-1,3-Dichloropropene-	10.58	79	34148	17.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.80%
39) 2-Hexanone-d5	10.93	63	37136	38.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	67673	17.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	70.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	56638	18.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.88%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.15	43	55057	38.901	ug/L	99
14) Carbon disulfide	4.38	76	7187	0.511	ug/L #	95
15) Methyl Acetate	4.68	43	4090	1.784	ug/L	97
16) Methylene chloride	4.91	84	10596m	2.190	ug/L	
21) 2-Butanone	7.18	43	5147	2.737	ug/L	96
34) Benzene	8.32	78	16254	1.093	ug/L	100
44) Toluene	10.39	91	13663	0.818	ug/L	95
52) Chlorobenzene	11.66	112	87926	7.780	ug/L	97
53) Ethylbenzene	11.74	91	7190	0.370	ug/L	96
54) m,p-Xylene	11.85	106	17040	2.236	ug/L	98
55) o-xylene	12.17	106	28289	3.888	ug/L	97
57) Isopropylbenzene	12.47	105	379483	18.743	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	1111071	199.484	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	6879746	1226.603	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	222883	43.499	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	158150	41.311	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	26841	7.804	ug/L	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\
Data File : VW006328.D
Acq On : 24 Oct 2018 19:01
Operator : SY/AP
Sample : J5635-26
Misc : 4.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A40G2

Manual Integrations
APPROVED

MMDadoda
10/29/2018 5:57:42 PM

Quant Time: Oct 25 09:07:21 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)
--------------------	------	------	----------	------	-------	----------

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

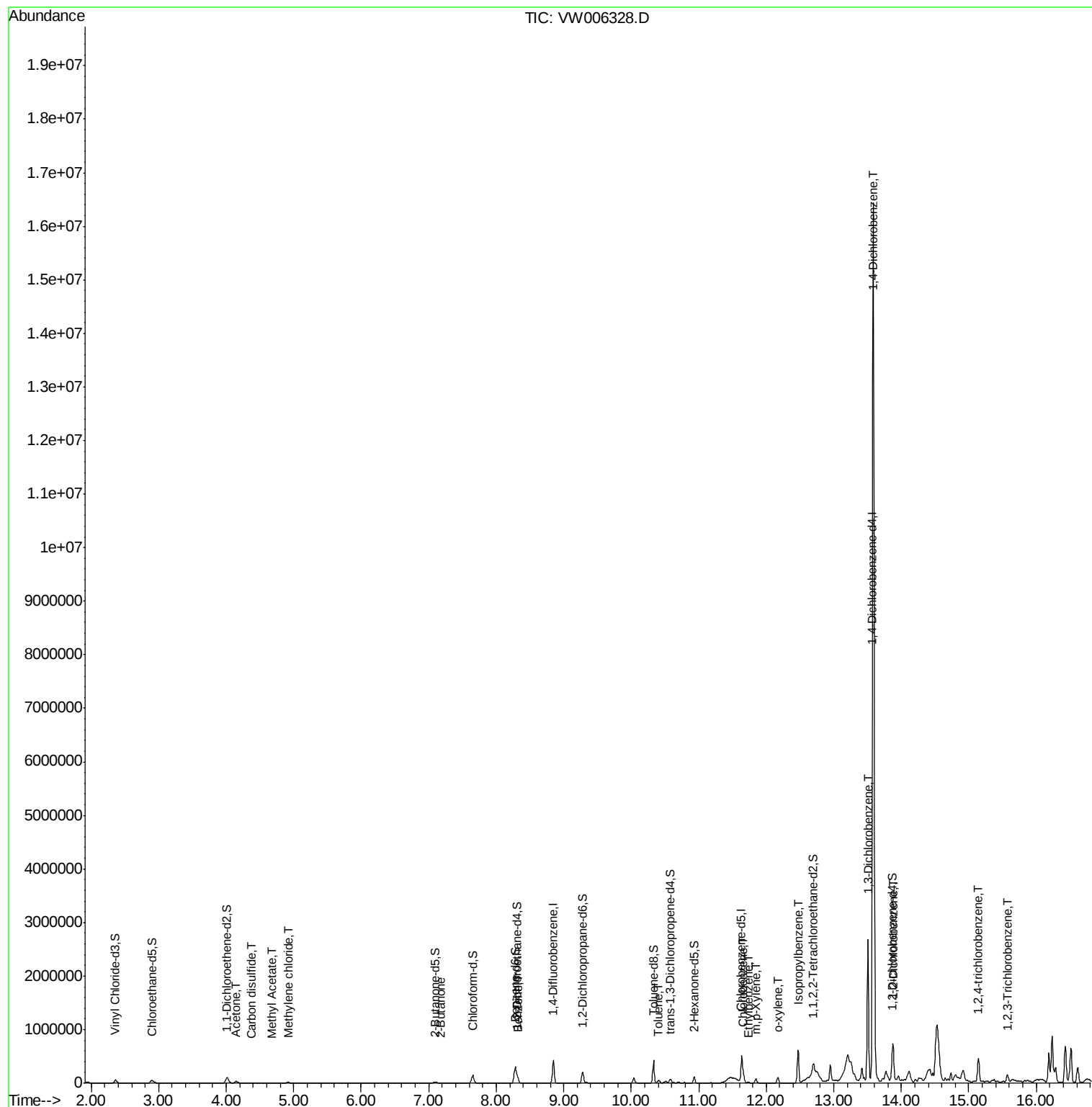
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102418\
Data File : VW006328.D
Acq On : 24 Oct 2018 19:01
Operator : SY/AP
Sample : J5635-26
Misc : 4.75G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

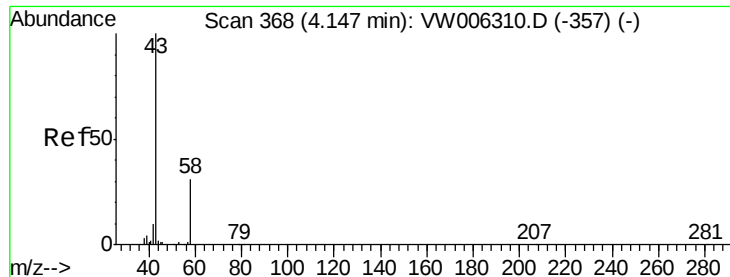
Instrument :
MSVOA_W
ClientSampleId :
A40G2

Manual Integrations
APPROVED

MMDadoda
10/29/2018 5:57:42 PM

Quant Time: Oct 25 09:07:21 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





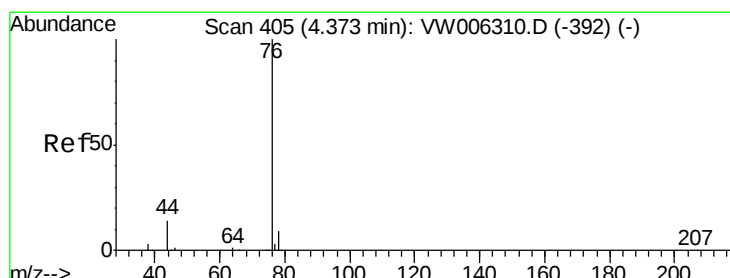
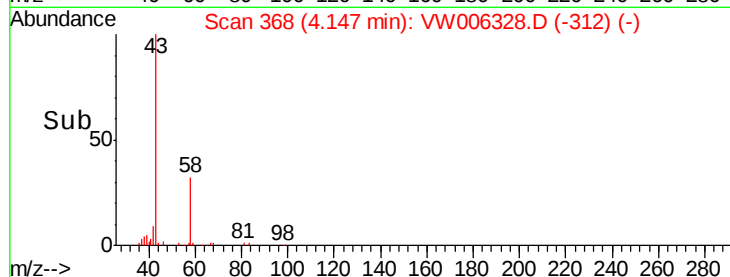
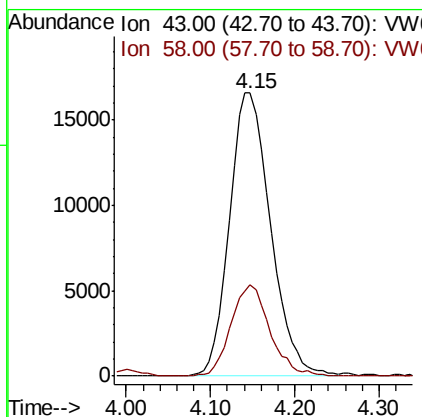
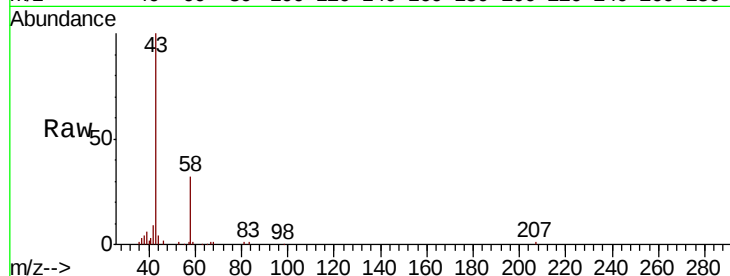
#13
Acetone
Concen: 38.901 ug/L
RT: 4.15 min Scan# 368
Delta R.T. 0.01 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_W
ClientSampleId :
A40G2

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.9	0.0	61.2

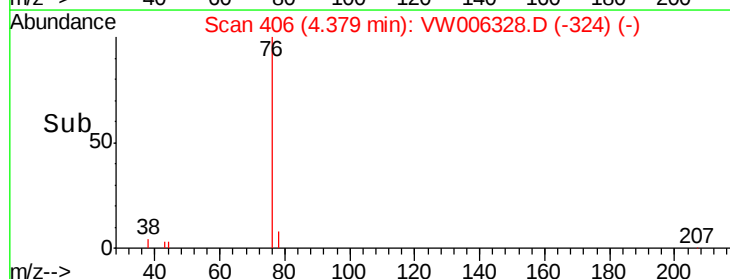
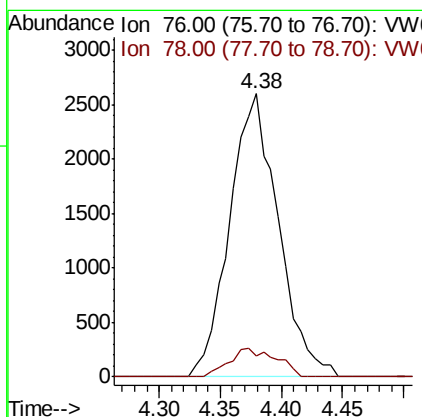
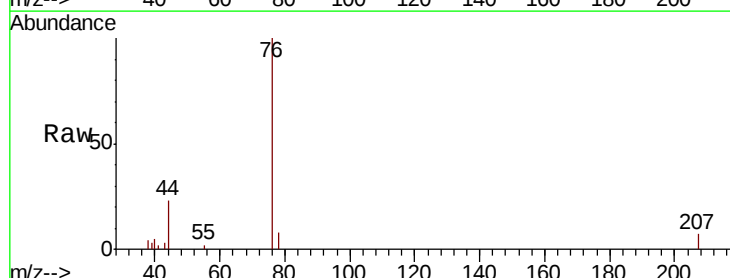
Manual Integrations
APPROVED

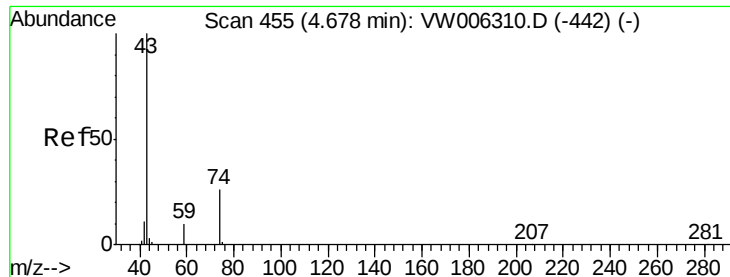
MMDadoda
10/29/2018 5:57:42 PM



#14
Carbon disulfide
Concen: 0.511 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.6	11.4#





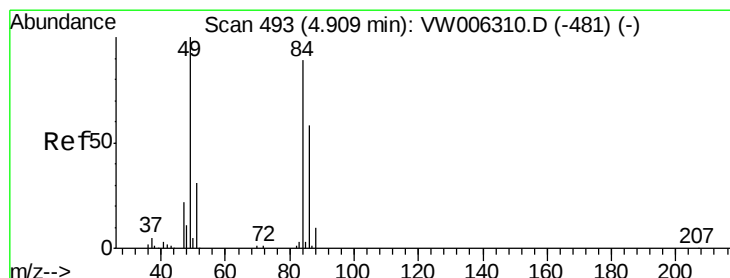
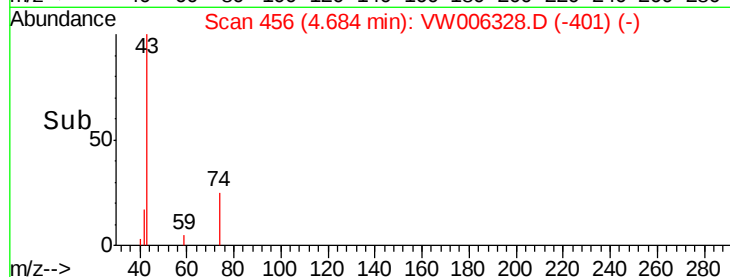
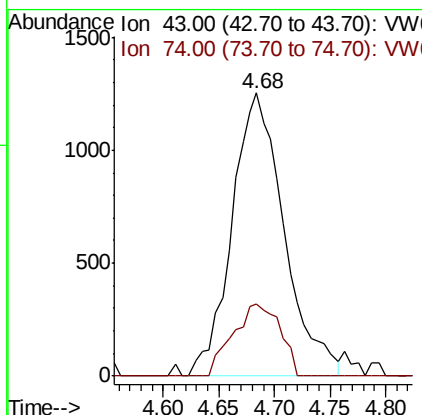
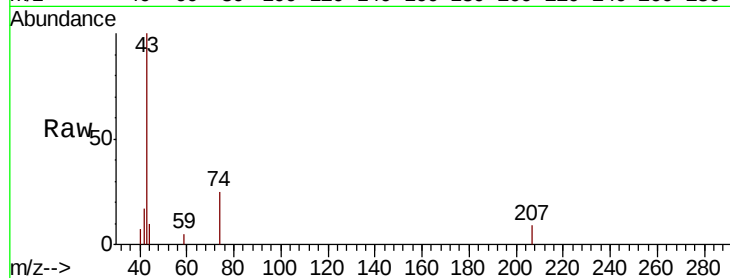
#15
Methyl Acetate
Concen: 1.784 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_W
ClientSampled :
A40G2

Tot Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.4	29.2

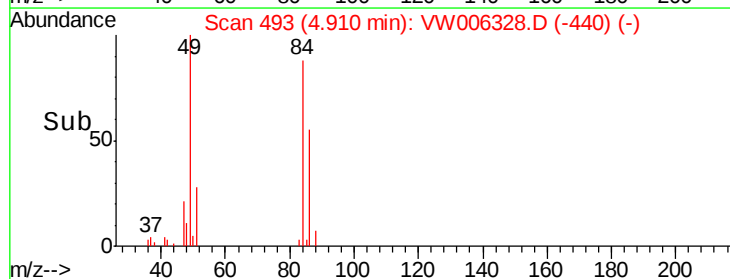
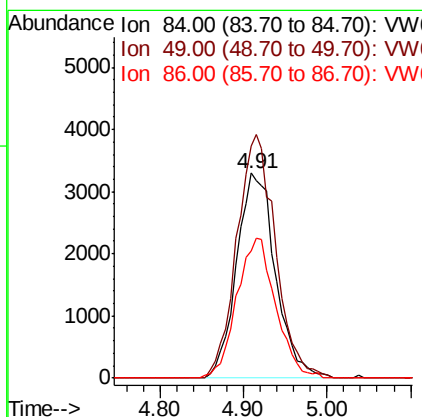
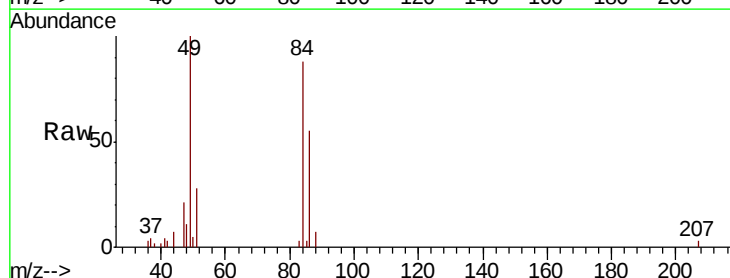
Manual Integrations
APPROVED

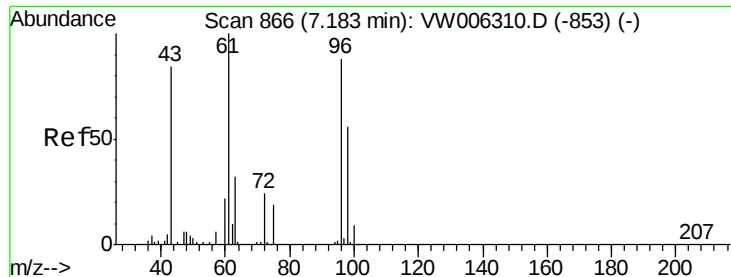
MMDadoda
10/29/2018 5:57:42 PM



#16
Methylene chloride
Concen: 2.190 ug/L m
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.1	83.5	155.1
86	62.0	44.9	83.5





#21

2-Butanone

Concen: 2.737 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampleId :

A40G2

Tot Ion: 43 Resp: 5147

Ion Ratio Lower Upper

43 100

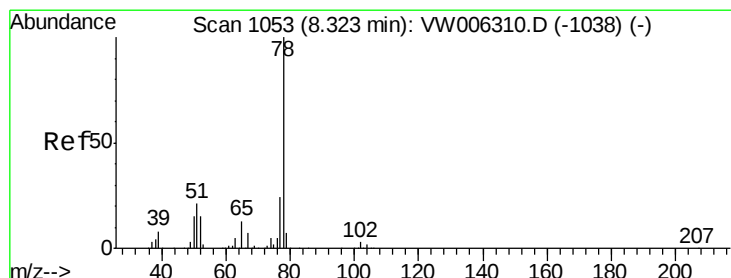
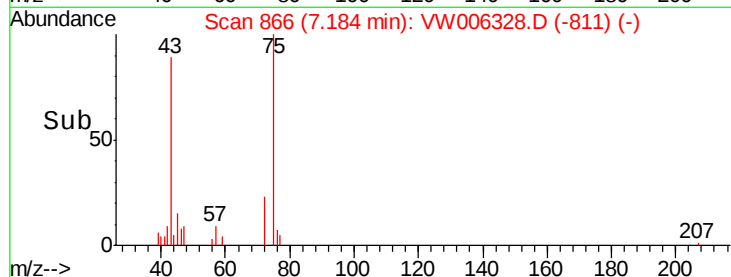
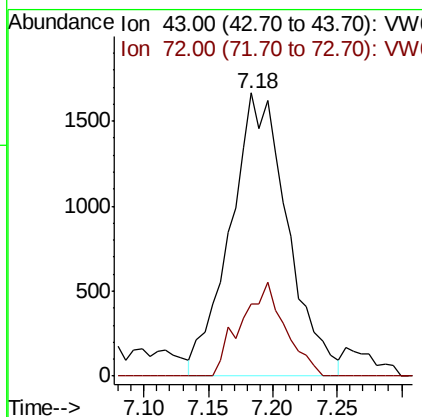
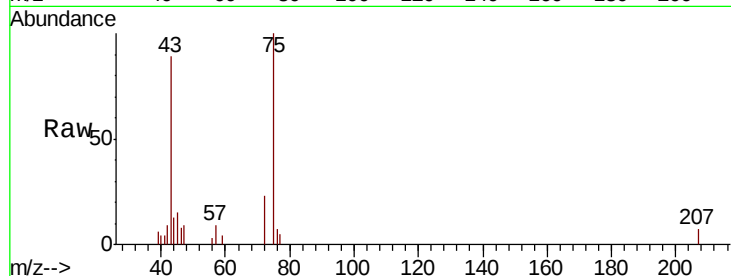
72 25.5 13.8 41.4

Manual Integrations

APPROVED

MMDadoda

10/29/2018 5:57:42 PM



#34

Benzene

Concen: 1.093 ug/L

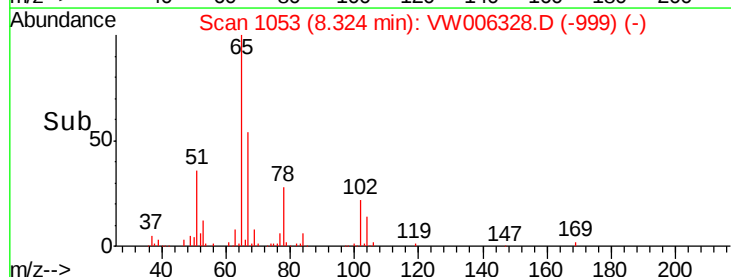
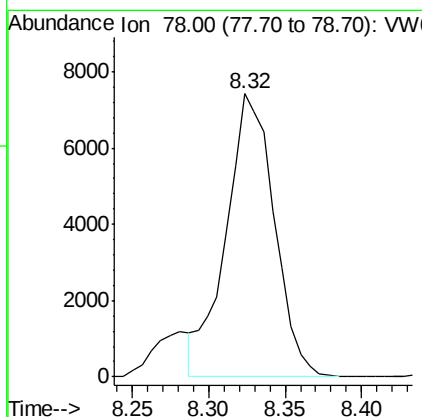
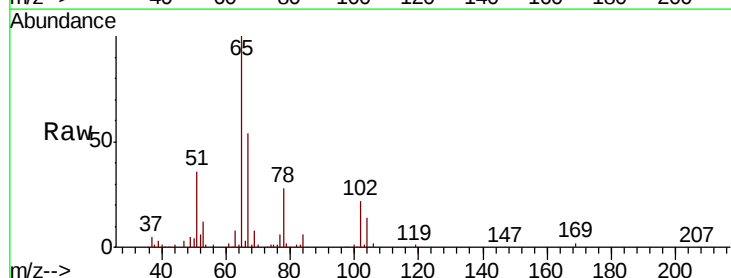
RT: 8.32 min Scan# 1053

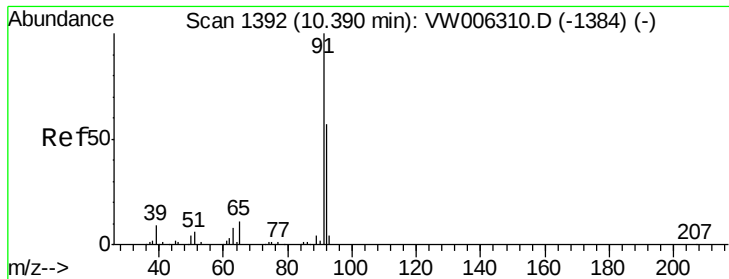
Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Tgt Ion: 78 Resp: 16254





#44

Toluene

Concen: 0.818 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampled :

A40G2

Tot Ion: 91 Resp: 13663

Ion Ratio Lower Upper

91 100

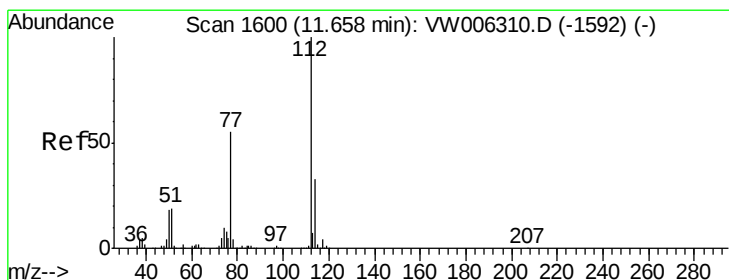
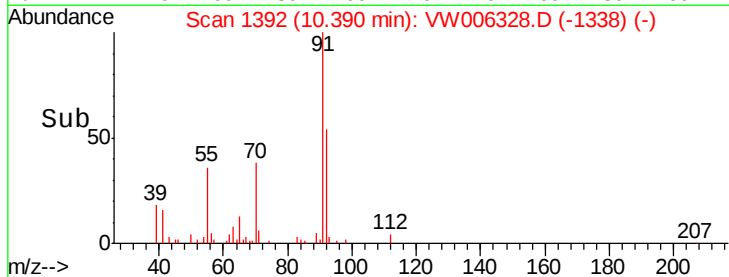
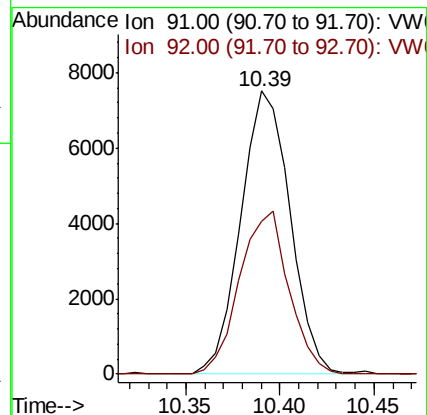
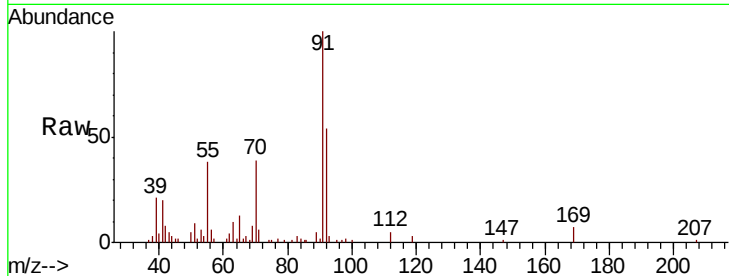
92 53.9 40.4 75.0

Manual Integrations

APPROVED

MMDadoda

10/29/2018 5:57:42 PM



#52

Chlorobenzene

Concen: 7.780 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

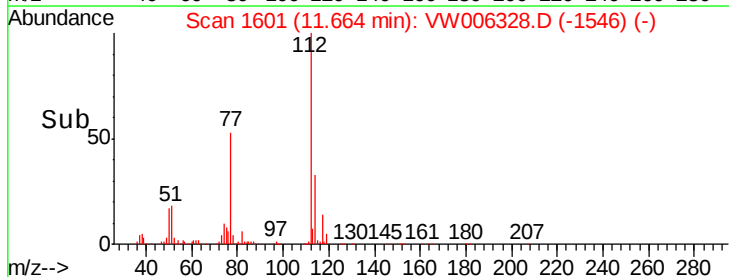
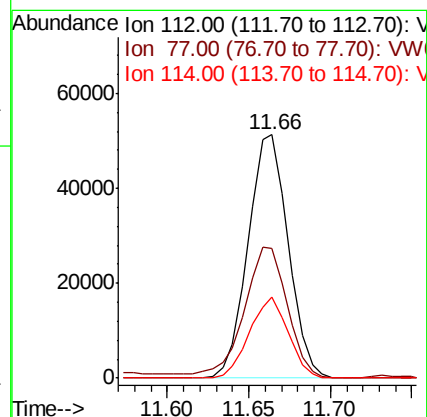
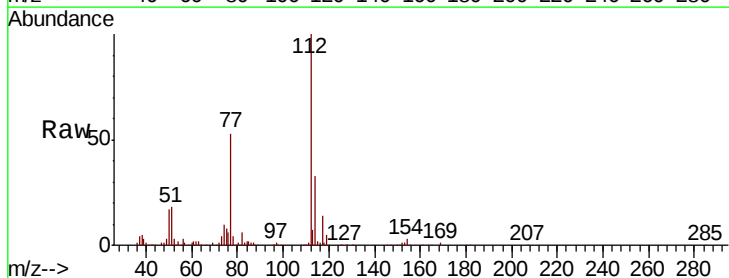
Tgt Ion: 112 Resp: 87926

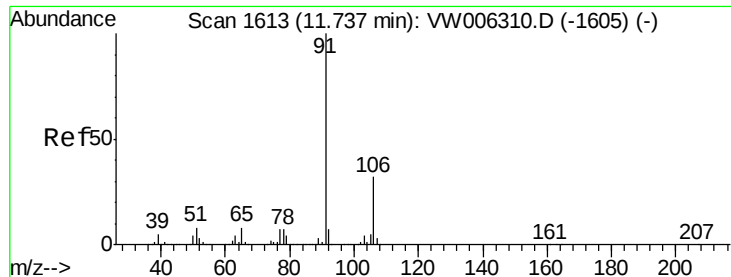
Ion Ratio Lower Upper

112 100

77 53.2 44.2 66.2

114 33.2 22.1 41.1





#53

Ethylbenzene

Concen: 0.370 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

ClientSampled :

A40G2

Tot Ion: 91 Resp: 7190

Ion Ratio Lower Upper

91 100

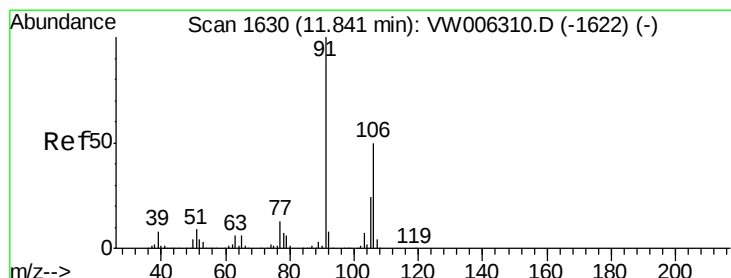
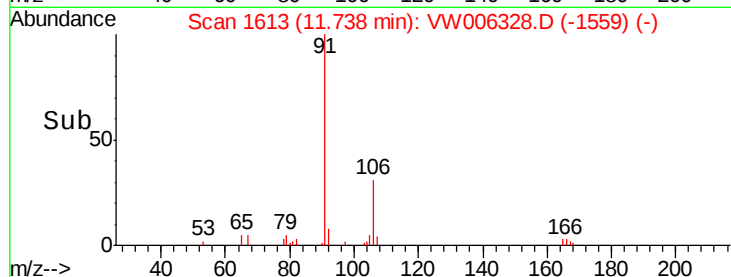
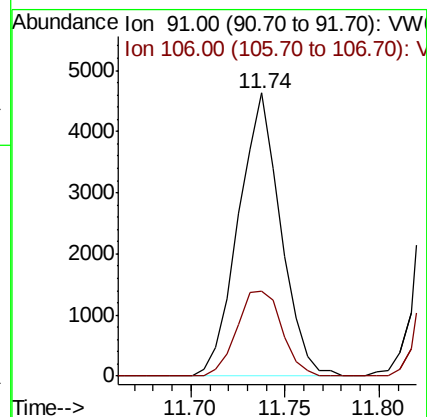
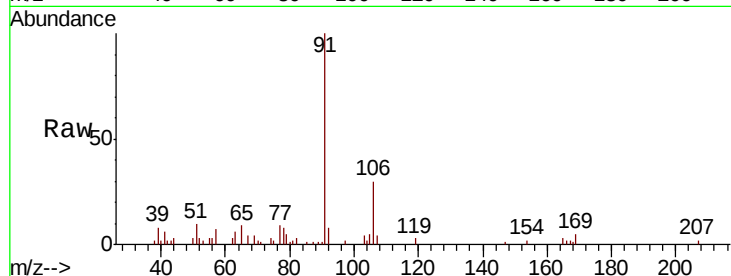
106 30.1 22.6 42.0

Manual Integrations

APPROVED

MMDadoda

10/29/2018 5:57:42 PM



#54

m,p-Xylene

Concen: 2.236 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW006328.D

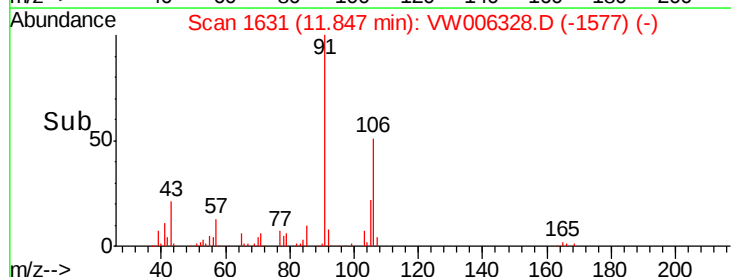
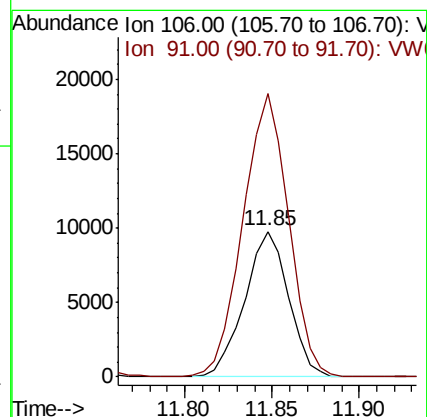
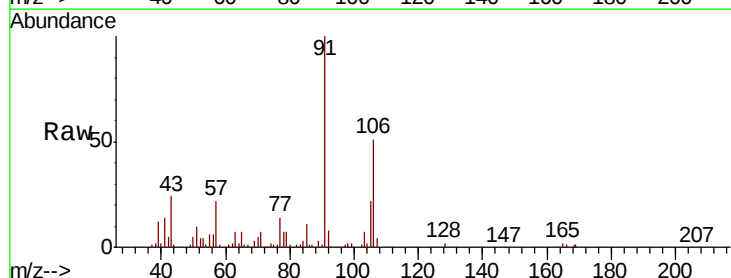
Acq: 24 Oct 2018 19:01

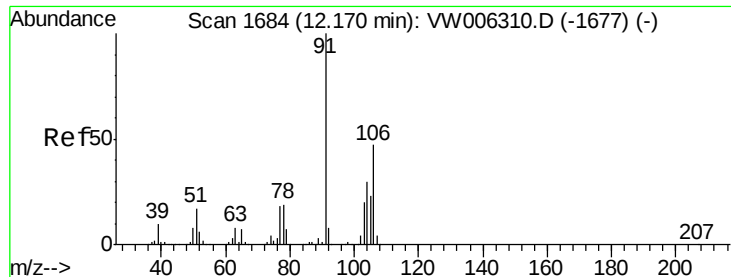
Tgt Ion: 106 Resp: 17040

Ion Ratio Lower Upper

106 100

91 195.0 138.4 257.0





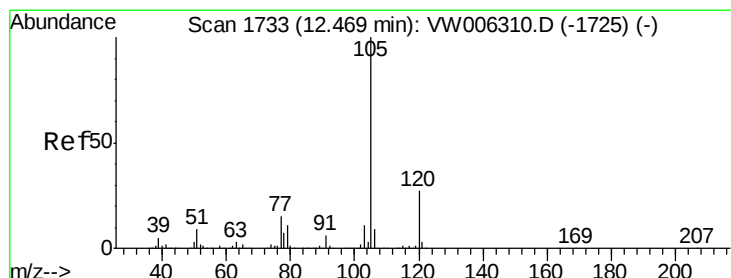
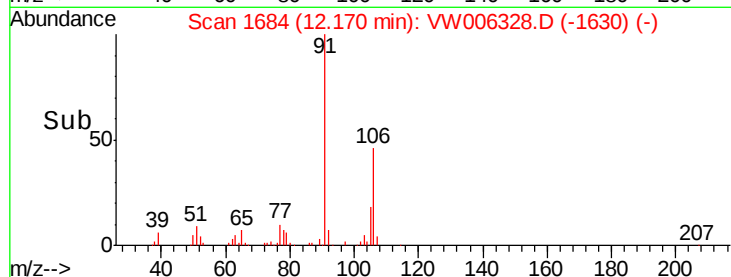
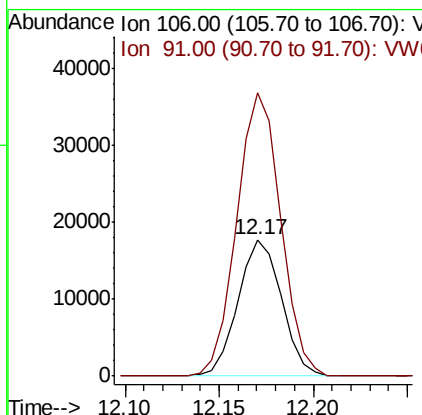
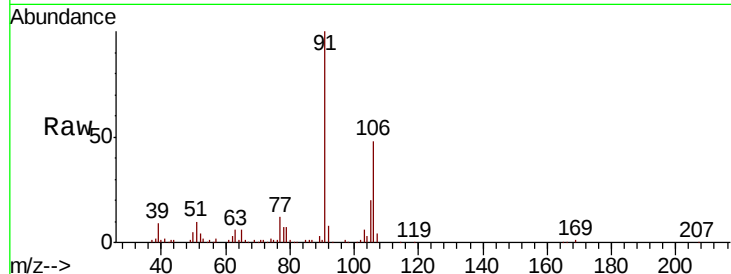
#55
o-xylene
Concen: 3.888 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_W
ClientSampleId :
A40G2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	28289		
91	91	206.9	148.7	276.1	

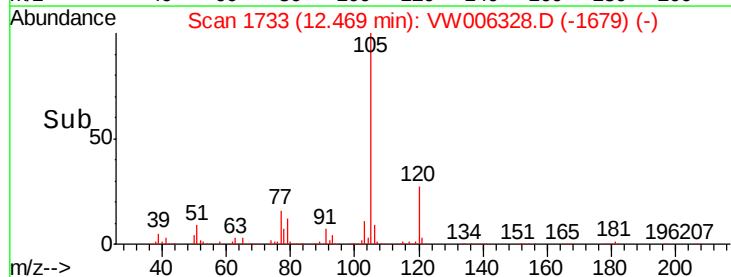
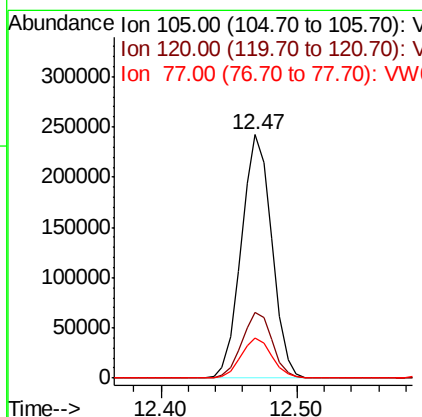
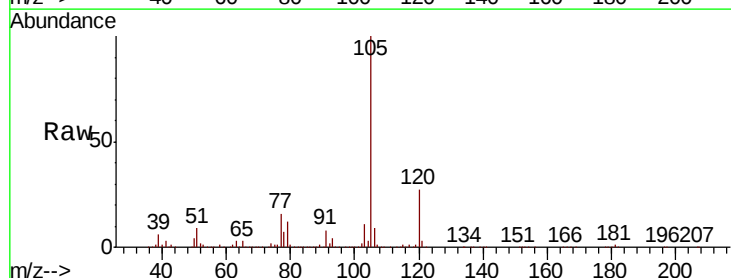
Manual Integrations
APPROVED

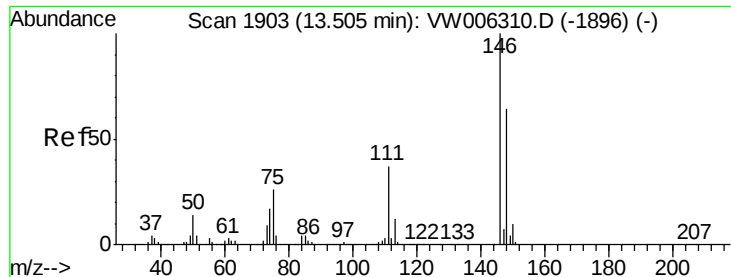
MMDadoda
10/29/2018 5:57:42 PM



#57
Isopropylbenzene
Concen: 18.743 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	379483		
120	120	26.9	21.8	32.6	
77	77	16.8	12.2	18.2	





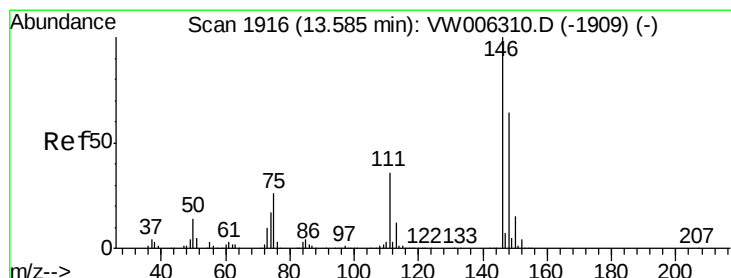
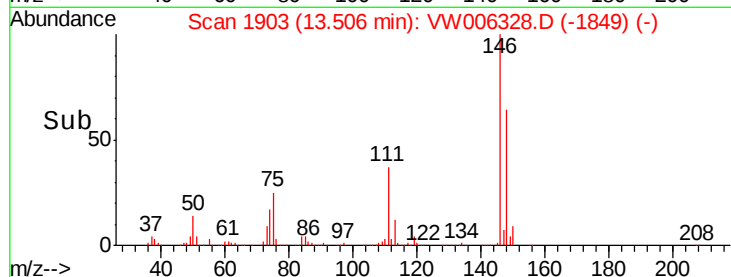
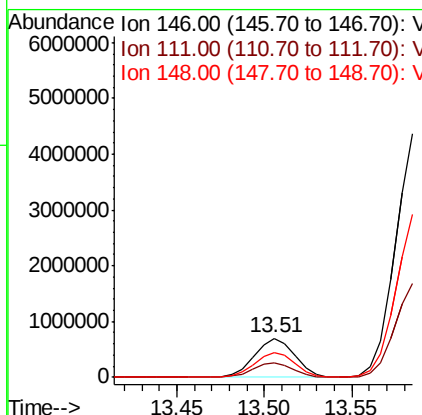
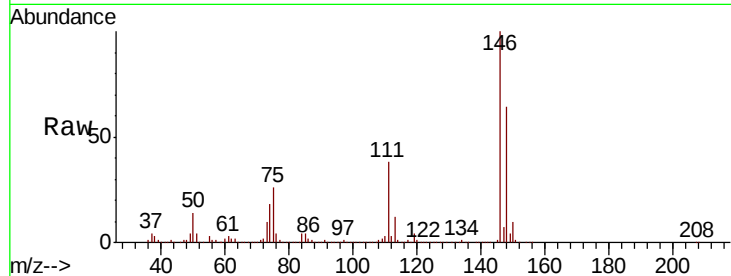
#63
1,3-Dichlorobenzene
Concen: 199.484 ug/L
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Instrument :
MSVOA_W
ClientSampleId :
A40G2

Tot Ion:146 Resp: 1111071
Ion Ratio Lower Upper
146 100
111 37.5 26.3 48.9
148 64.1 44.7 82.9

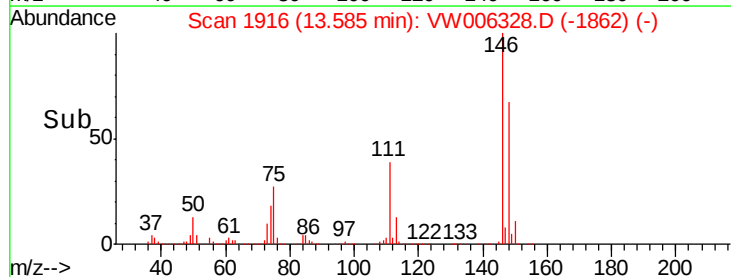
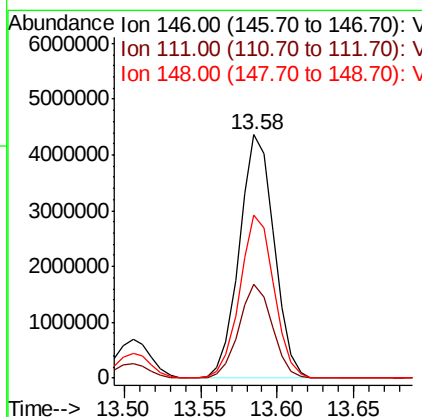
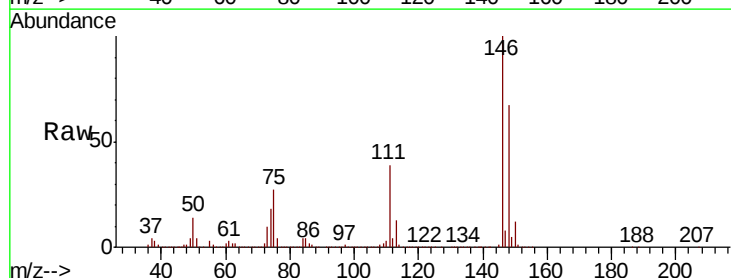
Manual Integrations
APPROVED

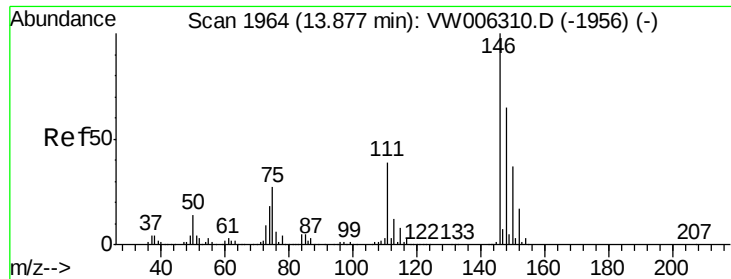
MMDadoda
10/29/2018 5:57:42 PM



#64
1,4-Dichlorobenzene
Concen: 1226.603 ug/L
RT: 13.58 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW006328.D
Acq: 24 Oct 2018 19:01

Tgt Ion:146 Resp: 6879746
Ion Ratio Lower Upper
146 100
111 38.7 24.7 45.9
148 66.8 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 43.499 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Instrument :

MSVOA_W

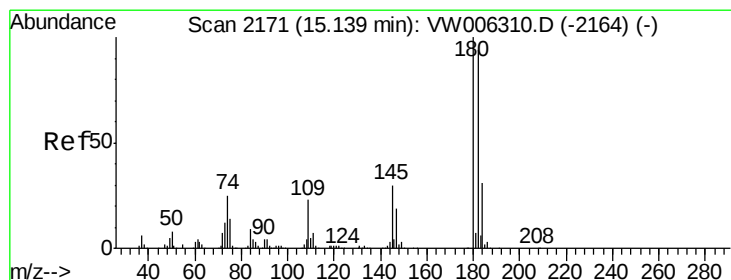
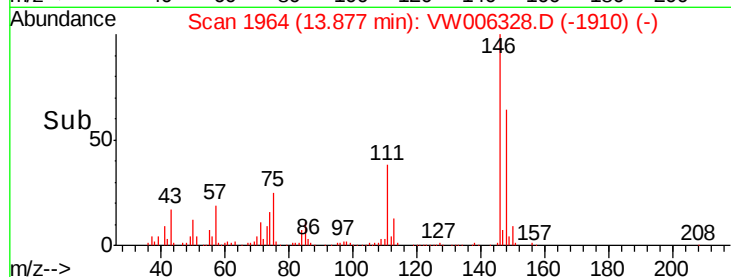
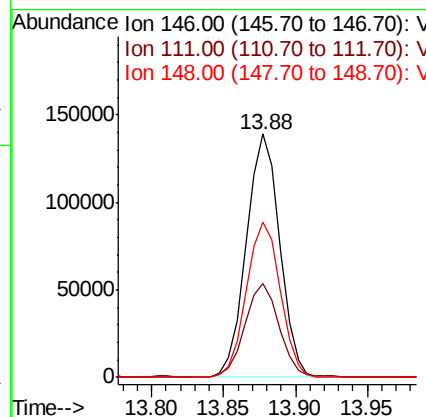
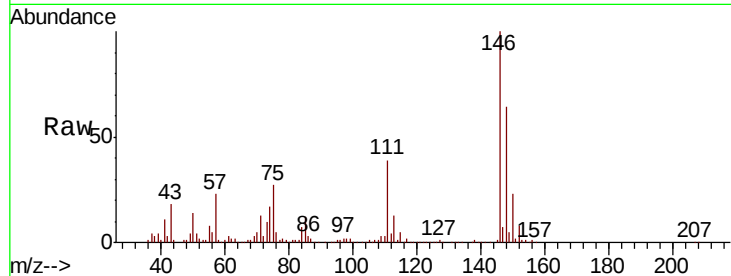
ClientSampleId :

A40G2

Tot Ion:	146	Resp:	222883
Ion Ratio	Lower	Upper	
146	100		
111	38.6	31.1	46.7
148	63.9	51.2	76.8

Manual Integrations
APPROVED

MMDadoda
10/29/2018 5:57:42 PM



#68

1,2,4-trichlorobenzene

Concen: 41.311 ug/L

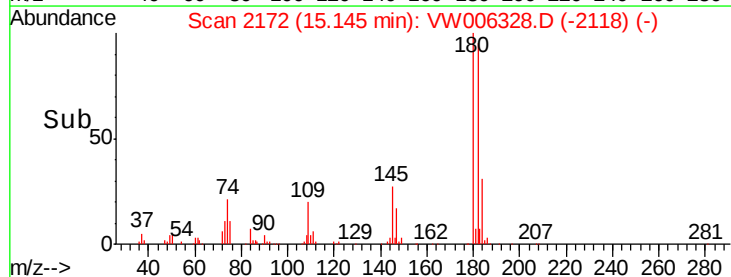
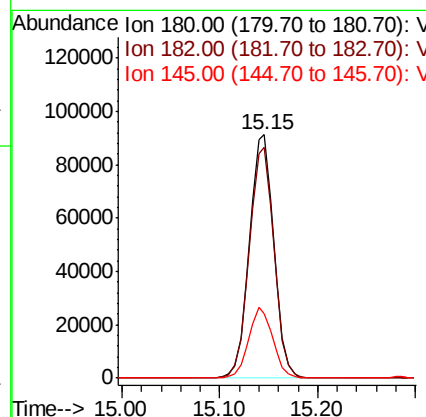
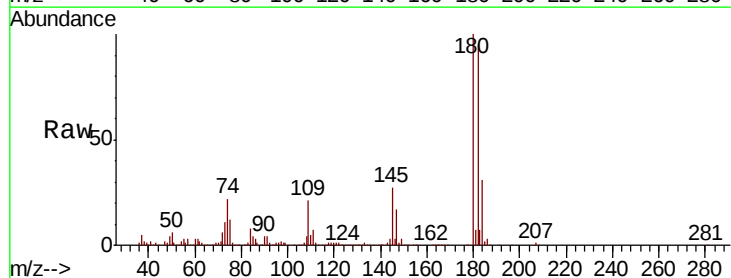
RT: 15.15 min Scan# 2172

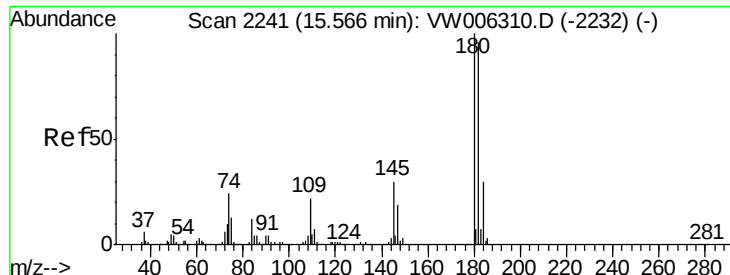
Delta R.T. 0.00 min

Lab File: VW006328.D

Acq: 24 Oct 2018 19:01

Tgt Ion:	180	Resp:	158150
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.2	114.2
145	28.6	23.0	34.6





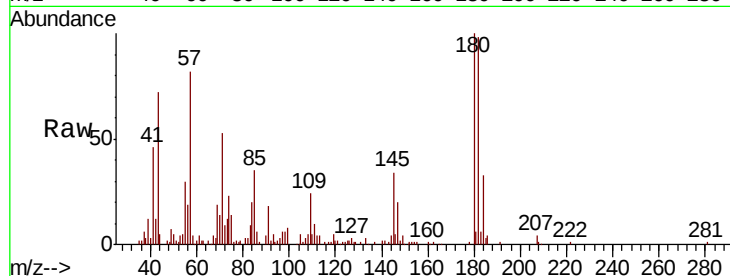
#70
 1,2,3-Trichlorobenzene
 Concen: 7.804 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW006328.D
 Acq: 24 Oct 2018 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 A40G2

Tot Ion	Ratio	Resp	Lower	Upper
180	100	26841		
182	97.6		75.5	113.3
145	35.2		24.5	36.7

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 5:57:42 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

