

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032019\
 Data File : VU030241.D
 Acq On : 20 Mar 2019 22:27
 Operator : JC/SP
 Sample : K2022-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 12:14:41 PM

Quant Time: Mar 22 02:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 01:27:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	523702	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	520019	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259502	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	144129	40.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.40%
7) Chloroethane-d5	1.68	69	127969	45.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.38%
11) 1,1-Dichloroethene-d2	2.27	63	209064	32.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.72%
21) 2-Butanone-d5	4.17	46	258564	98.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	4.65	84	302652	46.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.14%
26) 1,2-Dichloroethane-d4	5.31	65	183197	49.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.84%
32) Benzene-d6	5.34	84	644806	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
36) 1,2-Dichloropropane-d6	6.33	67	204970	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.68%
41) Toluene-d8	7.56	98	577004	44.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.56%
43) trans-1,3-Dichloropropene-	7.85	79	91072	44.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.22%
47) 2-Hexanone-d5	8.31	63	218193	99.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	312225	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	259520m	49.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.62%

Target Compounds

					Ovalue
13) Acetone	2.32	43	6834	2.489 ug/L	97
33) Benzene	5.39	78	307126	20.471 ug/L	100
51) Chlorobenzene	9.12	112	796209	73.696 ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	204157	24.659 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	1829209	212.999 ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	5467348	646.342 ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	439086	76.736 ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	168619	28.242 ug/L	99

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

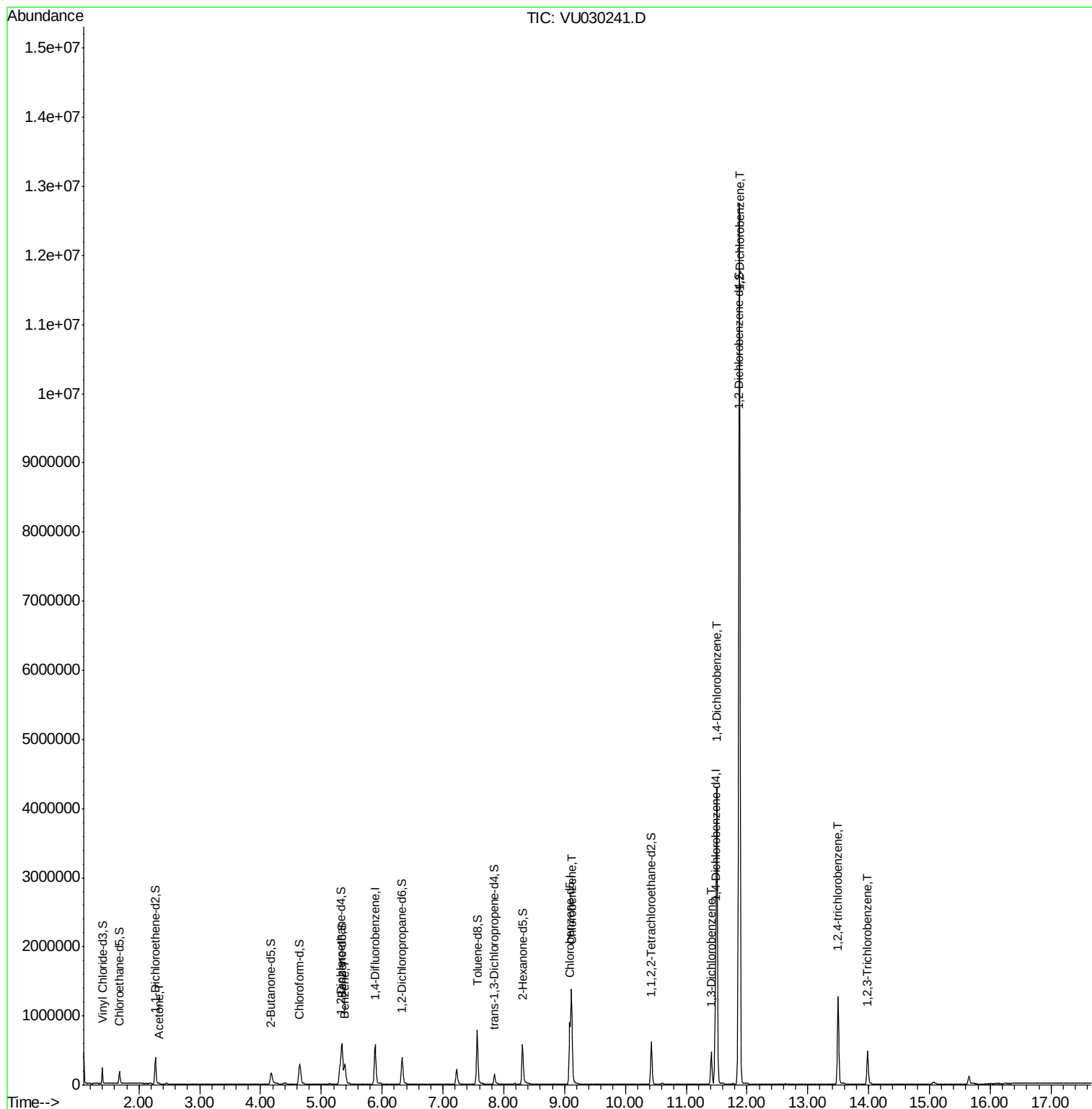
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032019\
Data File : VU030241.D
Acq On : 20 Mar 2019 22:27
Operator : JC/SP
Sample : K2022-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

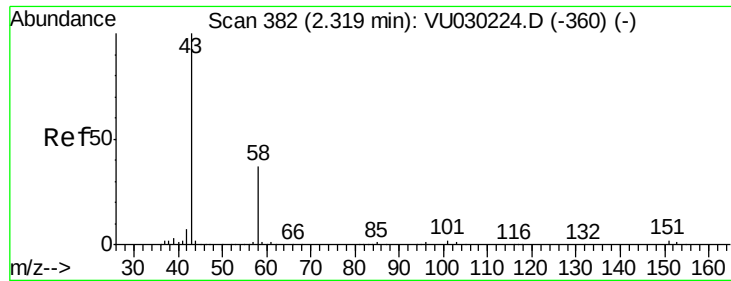
Instrument :
MSVOA_U
ClientSampleId :
C09A7

Manual Integrations APPROVED

MMDadoda
3/22/2019 12:14:41 PM

Quant Time: Mar 22 02:44:34 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 01:27:23 2019
Response via : Initial Calibration





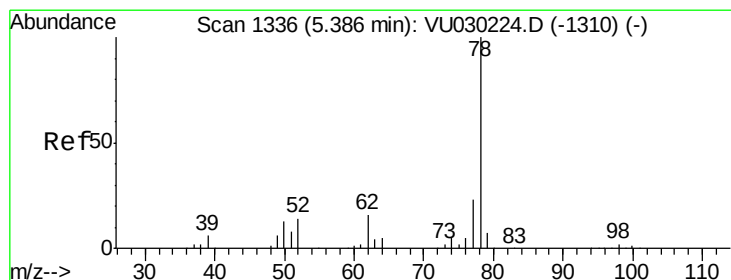
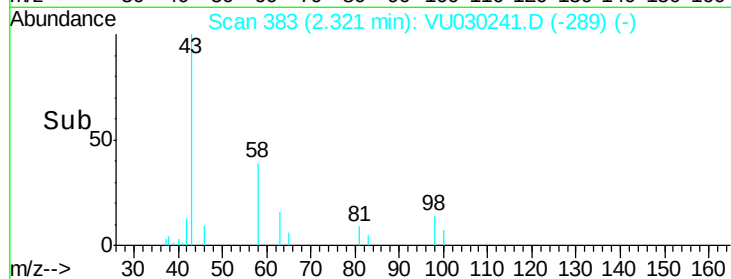
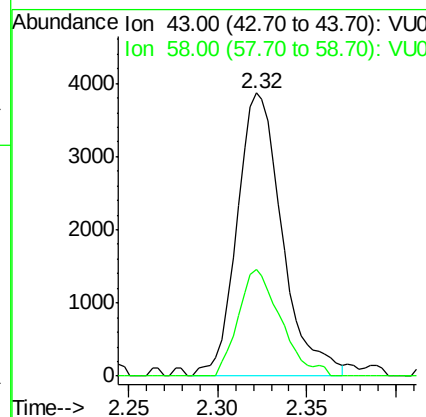
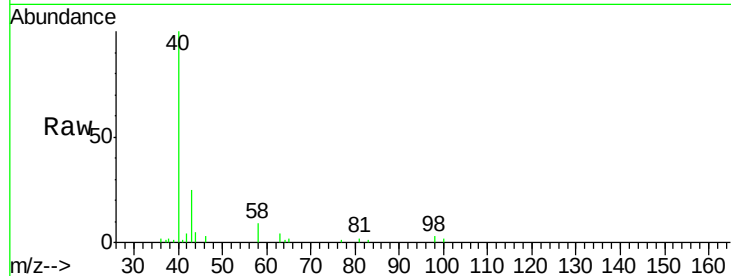
#13
Acetone
Concen: 2.489 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.00 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27

Instrument :
MSVOA_U
ClientSampleId :
C09A7

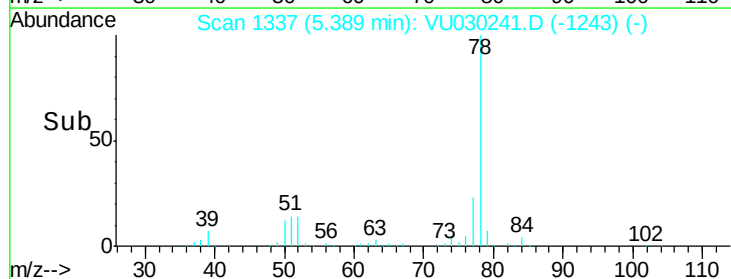
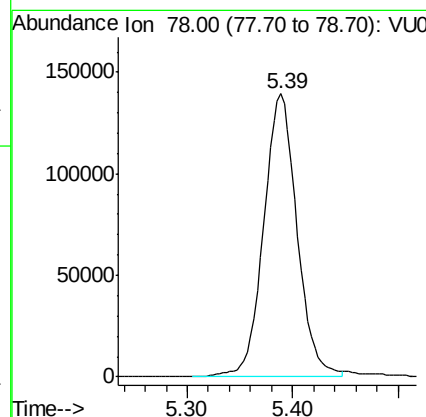
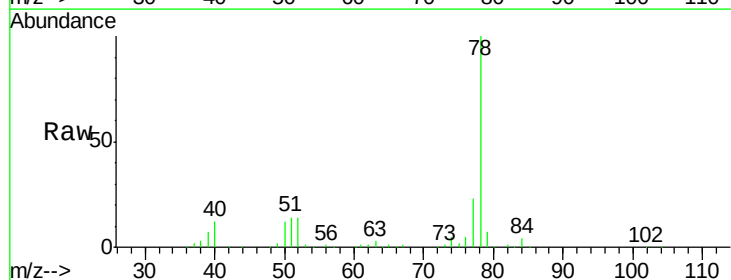
Tot Ion: 43 Resp: 6834
Ion Ratio Lower Upper
43 100
58 34.7 0.0 73.4

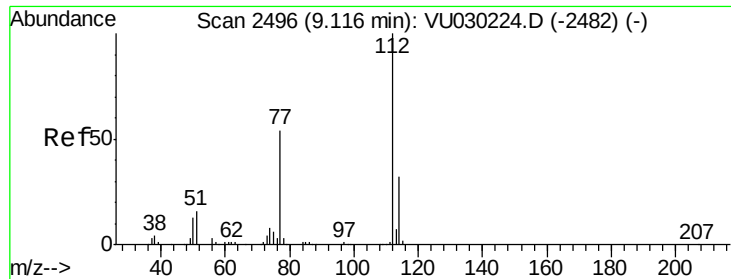
Manual Integrations
APPROVED

MMDadoda
3/22/2019 12:14:41 PM



#33
Benzene
Concen: 20.471 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27
Tgt Ion: 78 Resp: 307126





#51

Chlorobenzene

Concen: 73.696 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Instrument :

MSVOA_U

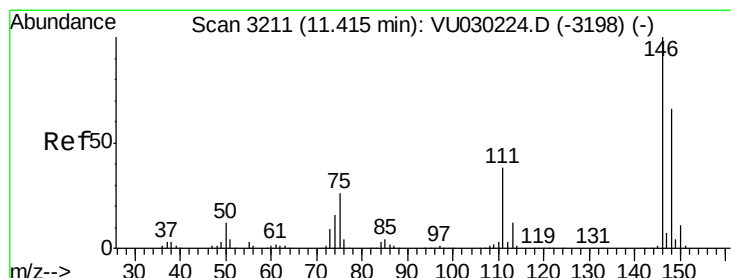
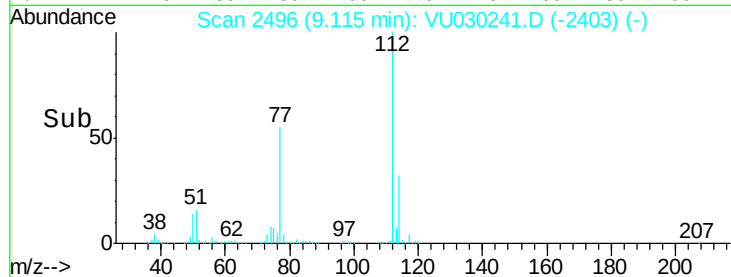
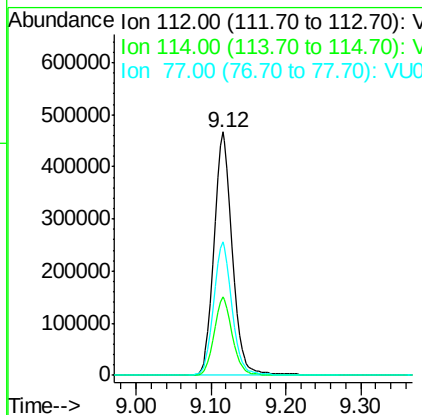
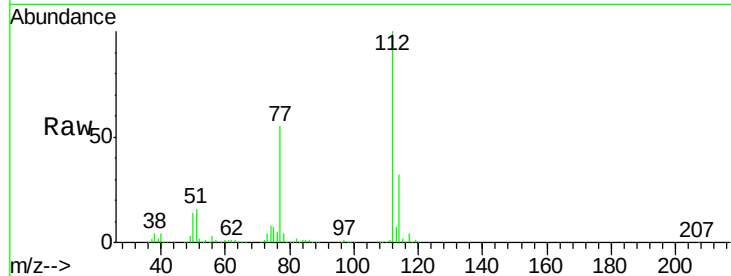
ClientSampleId :

C09A7

Tot Ion:	112	Resp:	796209
Ion Ratio	Lower	Upper	
112	100		
114	32.2	22.5	41.7
77	54.8	43.4	65.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 12:14:41 PM



#62

1,3-Dichlorobenzene

Concen: 24.659 ug/L

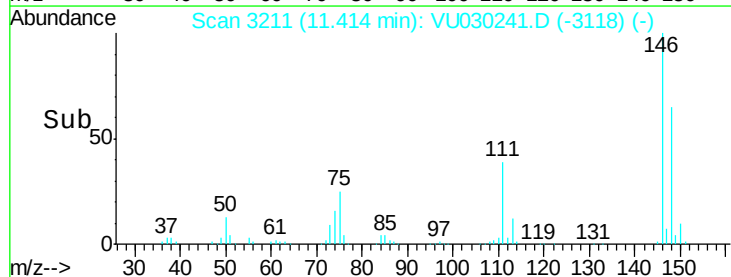
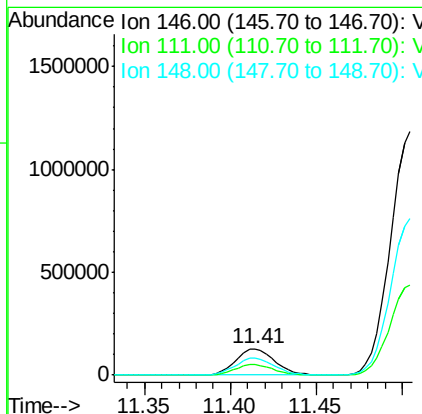
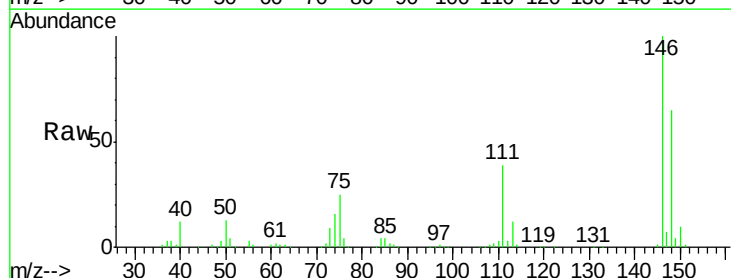
RT: 11.41 min Scan# 3211

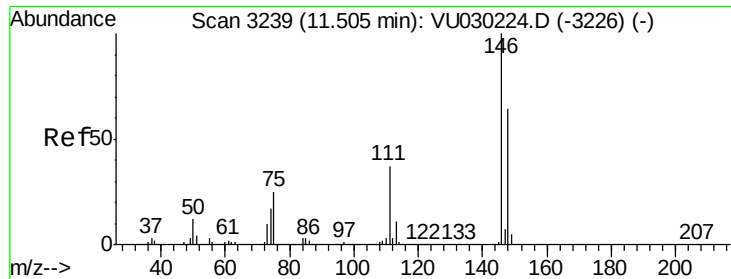
Delta R.T. -0.00 min

Lab File: VU030241.D

Acq: 20 Mar 2019 22:27

Tgt Ion:	146	Resp:	204157
Ion Ratio	Lower	Upper	
146	100		
111	39.3	27.2	50.4
148	65.1	44.4	82.5





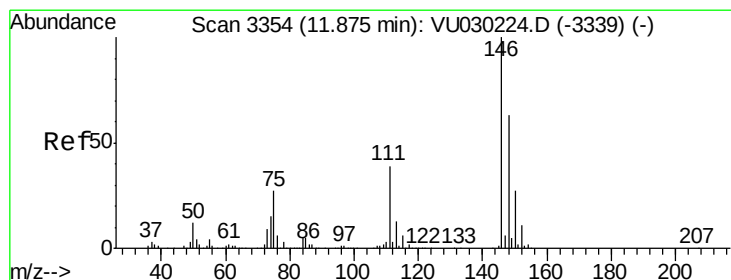
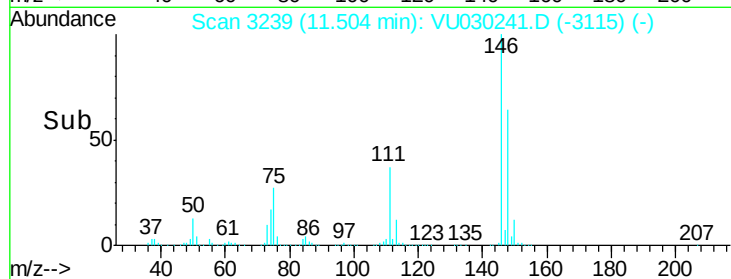
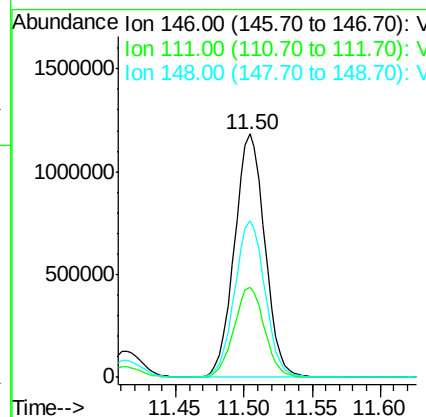
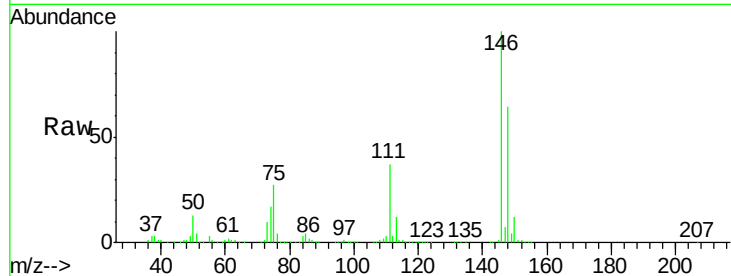
#63
1,4-Dichlorobenzene
Concen: 212.999 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27

Instrument :
MSVOA_U
ClientSampleId :
C09A7

Tot Ion	Ion	Ratio	Lower	Upper
146	100			
111	37.2	25.3	46.9	
148	64.3	44.7	82.9	

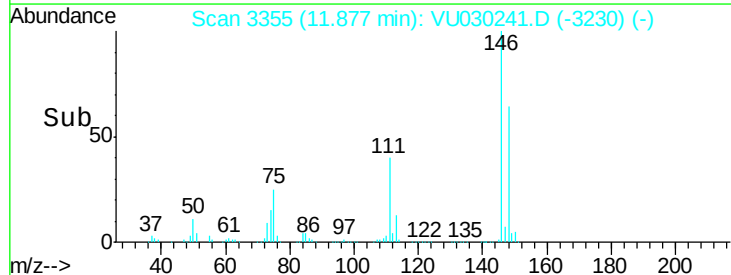
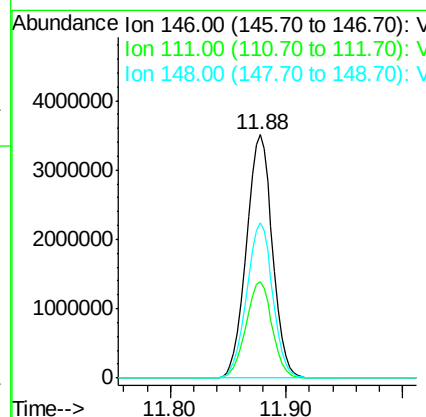
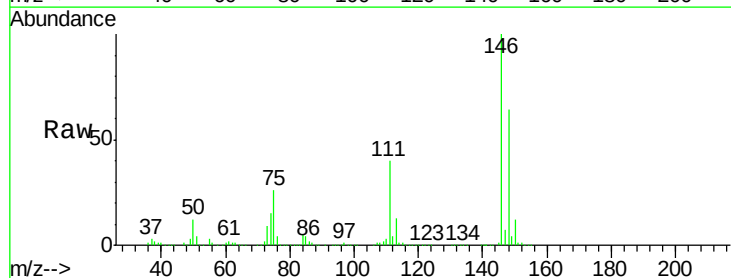
Manual Integrations
APPROVED

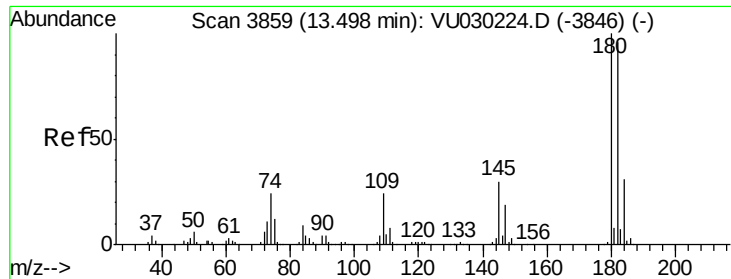
MMDadoda
3/22/2019 12:14:41 PM



#65
1,2-Dichlorobenzene
Concen: 646.342 ug/L
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU030241.D
Acq: 20 Mar 2019 22:27

Tgt Ion	Ion	Ratio	Lower	Upper
146	100			
111	39.7	31.7	47.5	
148	63.9	52.0	78.0	





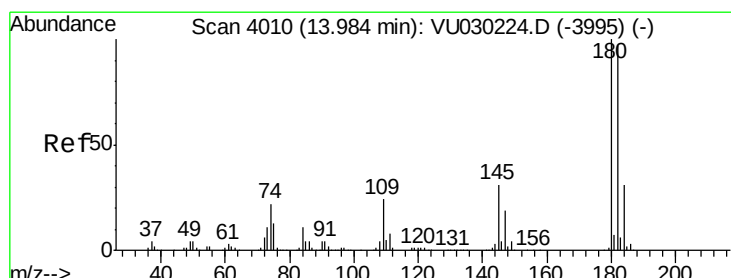
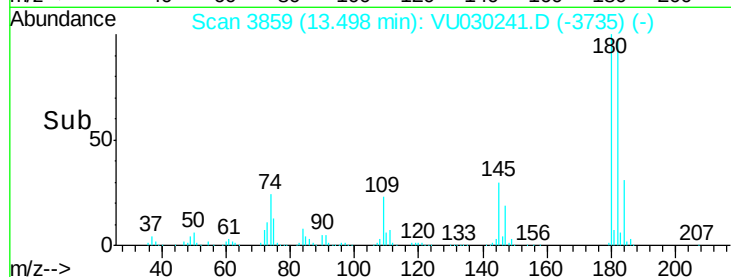
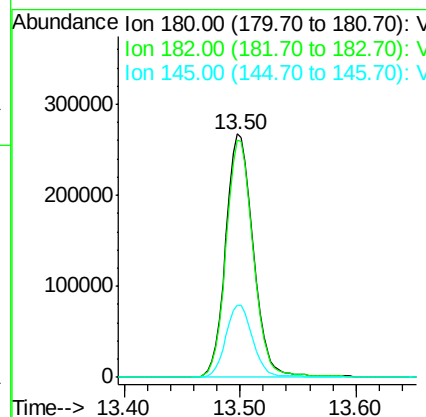
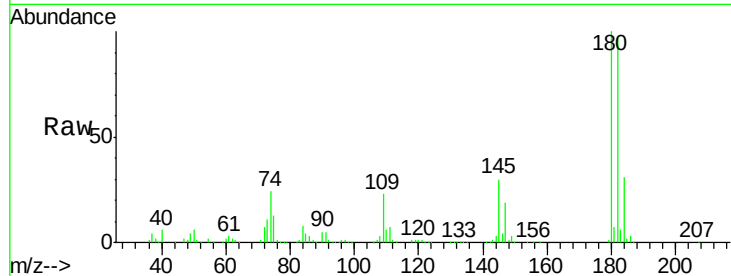
#68
 1,2,4-trichlorobenzene
 Concen: 76.736 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7

Tot Ion	Ratio	Resp	Lower	Upper
180	100	439086		
182	96.7	76.4	114.6	
145	29.2	22.7	34.1	

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 12:14:41 PM



#70
 1,2,3-Trichlorobenzene
 Concen: 28.242 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. -0.00 min
 Lab File: VU030241.D
 Acq: 20 Mar 2019 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	168619		
182	95.9	75.9	113.9	
145	31.1	24.1	36.1	

