

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\
 Data File : VU030273.D
 Acq On : 21 Mar 2019 18:12
 Operator : JC/SP
 Sample : K2022-07DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7DL

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 1:07:24 PM

Quant Time: Mar 22 05:38:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 05:14:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	534905	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	524923	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	245640	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174947	48.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.74%
7) Chloroethane-d5	1.68	69	141145	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.27	63	233876	35.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.88%
21) 2-Butanone-d5	4.17	46	224744	83.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.76%
24) Chloroform-d	4.65	84	297887	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	5.31	65	175350	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
32) Benzene-d6	5.34	84	649642	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.33	67	197840	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	7.56	98	586999	45.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.26%
43) trans-1,3-Dichloropropene-	7.85	79	88797	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.22%
47) 2-Hexanone-d5	8.31	63	184805	83.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285223	43.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	237368	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%

Target Compounds

					Ovalue
33) Benzene	5.39	78	23715	1.566 ug/L	100
51) Chlorobenzene	9.12	112	65033	5.963 ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	16333	2.084 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	140832	17.324 ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	436561	54.522 ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	28533m	5.268 ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	10798m	1.911 ug/L	

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

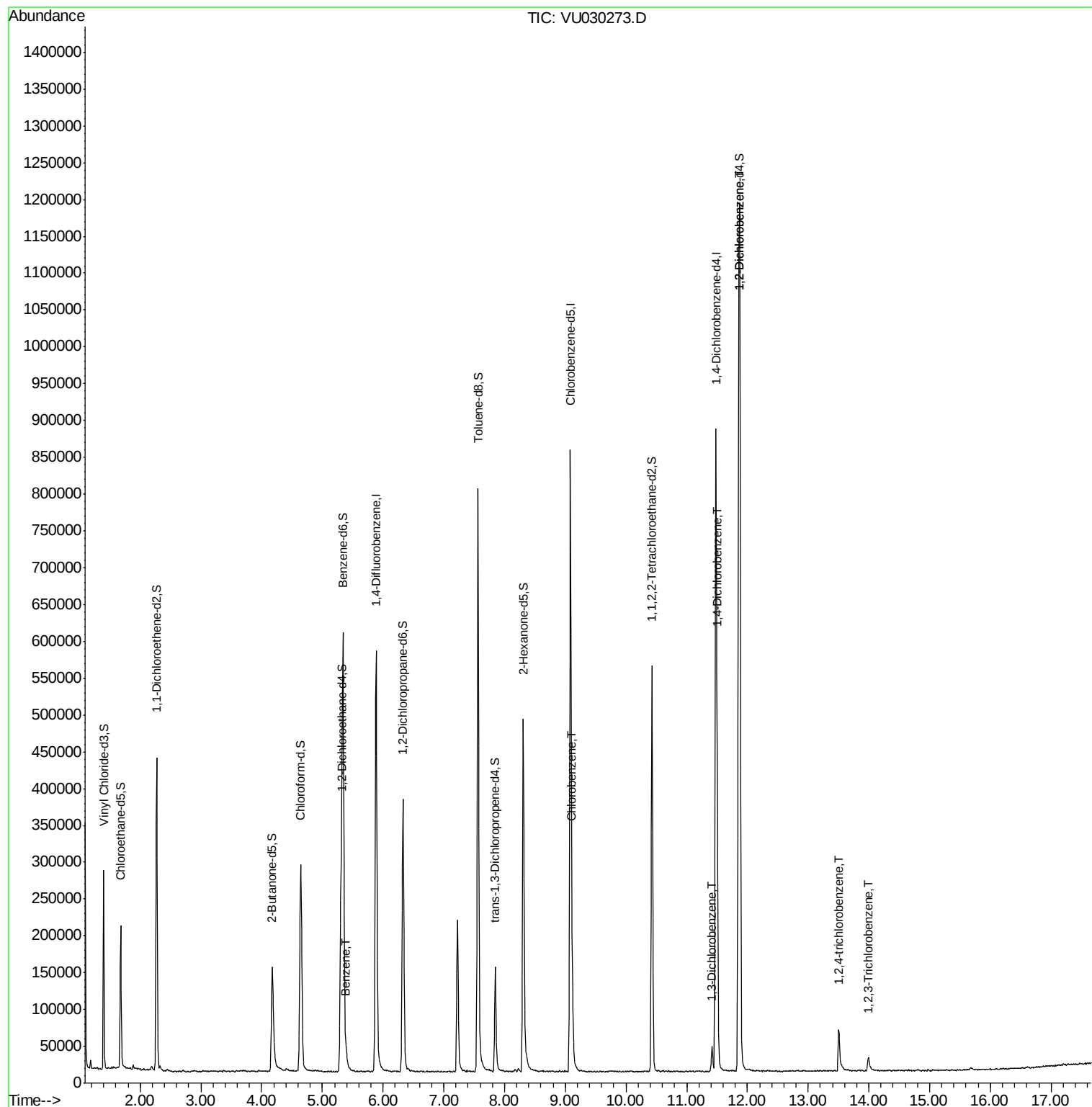
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032119\
Data File : VU030273.D
Acq On : 21 Mar 2019 18:12
Operator : JC/SP
Sample : K2022-07DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

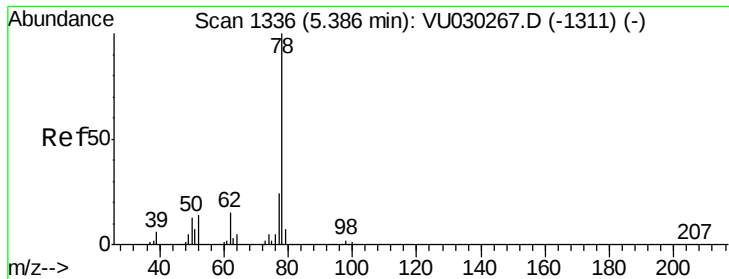
Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:07:24 PM

Quant Time: Mar 22 05:38:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration





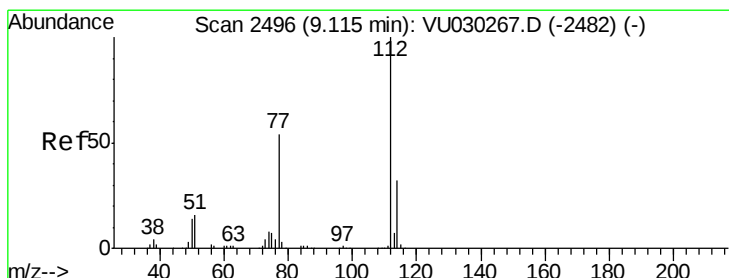
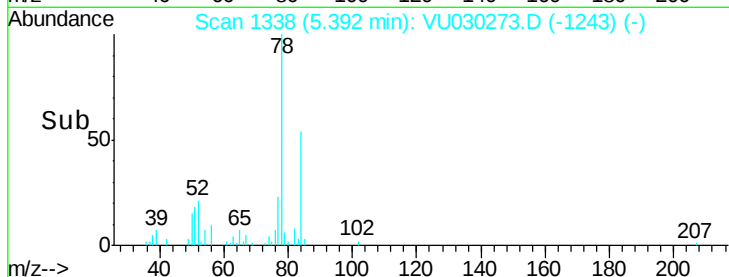
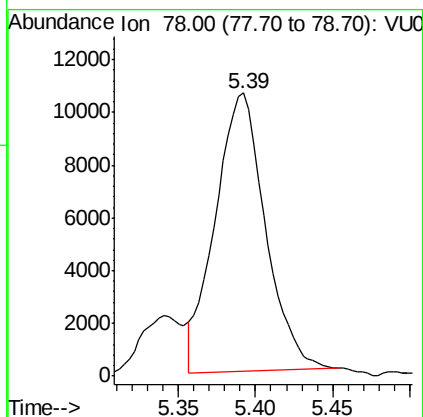
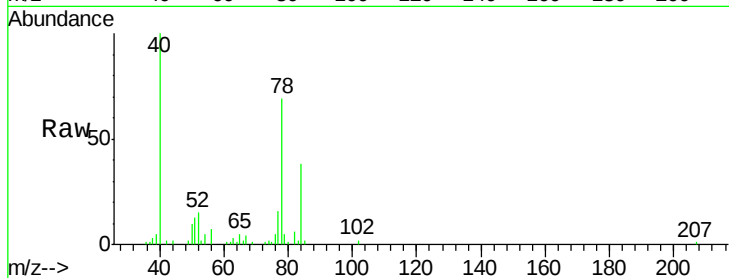
#33
Benzene
Concen: 1.566 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Instrument :
MSVOA_U
ClientSampleId :
C09A7DL

Tgt Ion: 78 Resp: 23715

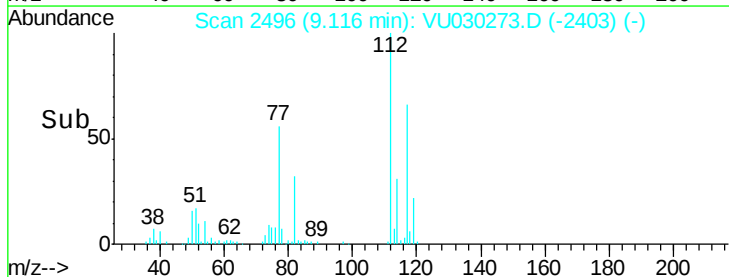
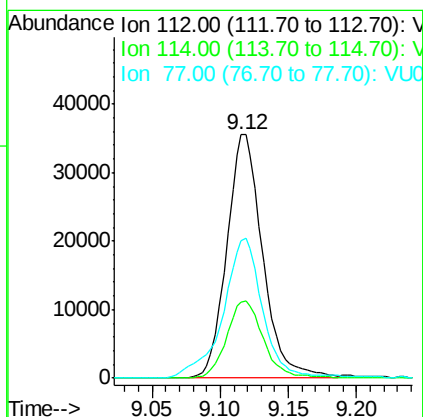
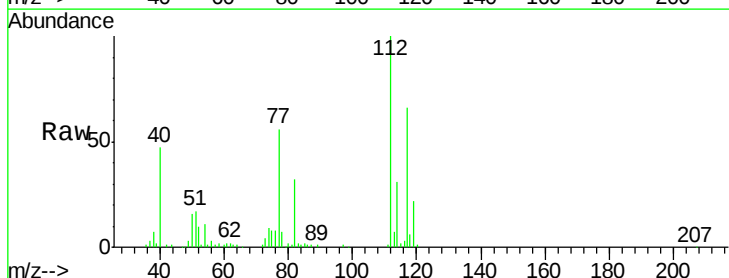
Manual Integrations
APPROVED

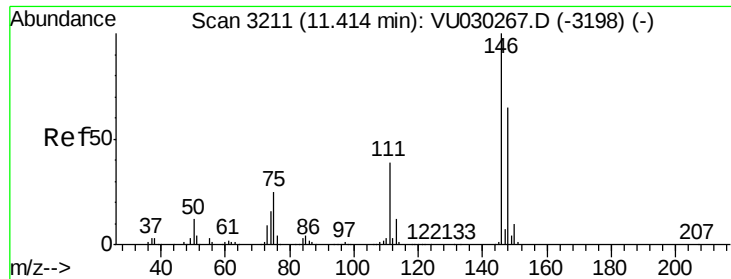
MMDadoda
3/22/2019 1:07:24 PM



#51
Chlorobenzene
Concen: 5.963 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030273.D
Acq: 21 Mar 2019 18:12

Tgt Ion: 112 Resp: 65033
Ion Ratio Lower Upper
112 100
114 31.2 22.5 41.7
77 56.3 43.4 65.0





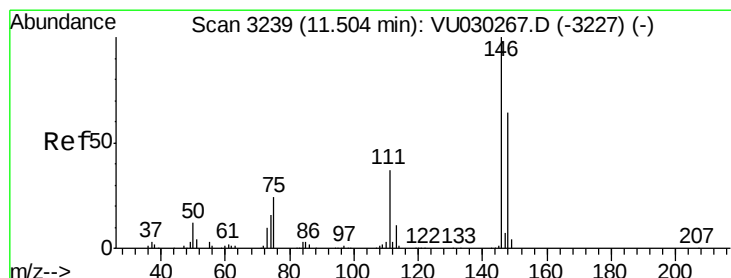
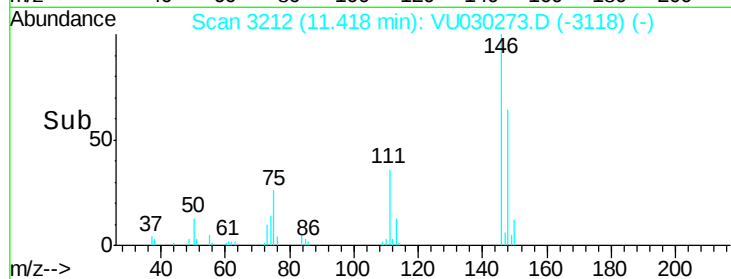
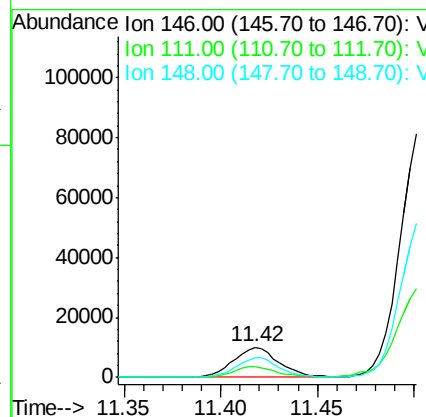
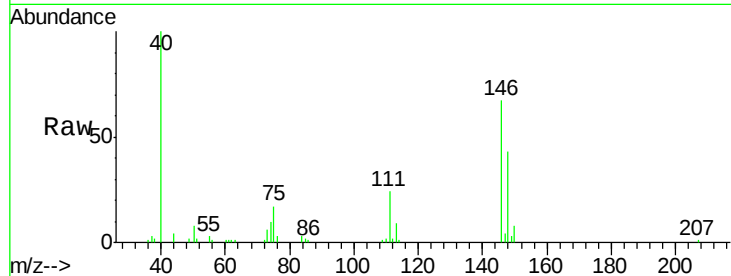
#62
 1,3-Dichlorobenzene
 Concen: 2.084 ug/L
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030273.D
 Acq: 21 Mar 2019 18:12

Instrument :
 MSVOA_U
 ClientSampled :
 C09A7DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	27.2	50.4
148	64.3	44.4	82.5

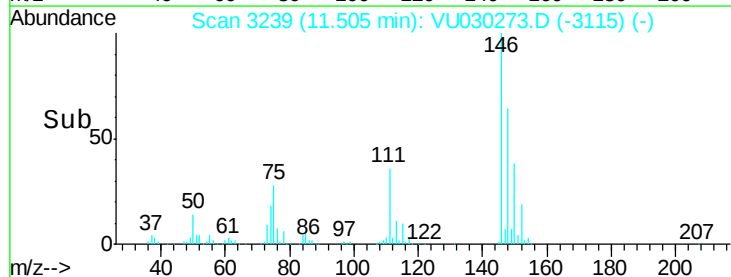
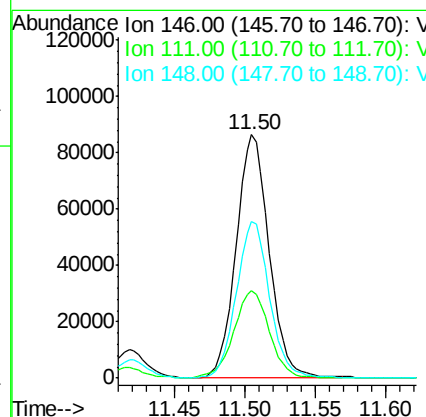
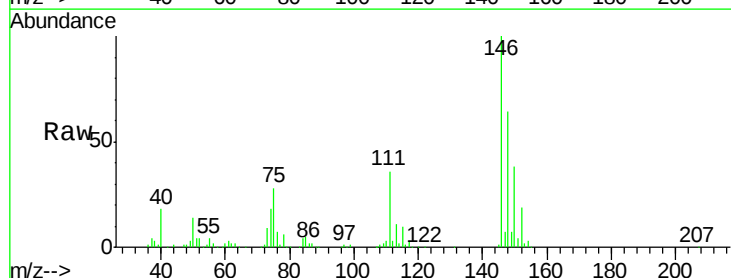
Manual Integrations
 APPROVED

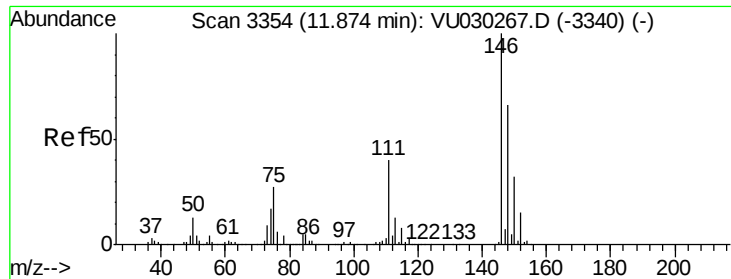
MMDadoda
 3/22/2019 1:07:24 PM



#63
 1,4-Dichlorobenzene
 Concen: 17.324 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030273.D
 Acq: 21 Mar 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	25.3	46.9
148	64.4	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 54.522 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030273.D

Acq: 21 Mar 2019 18:12

Instrument :

MSVOA_U

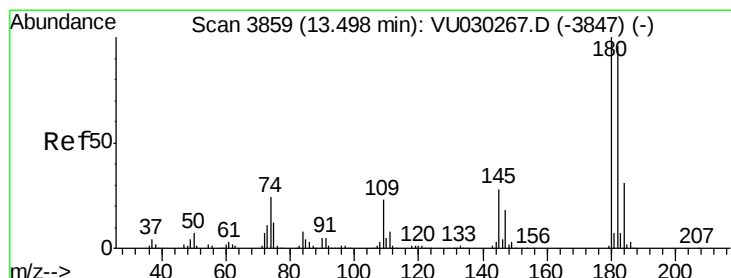
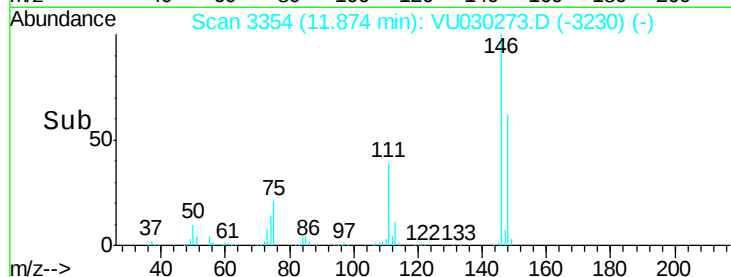
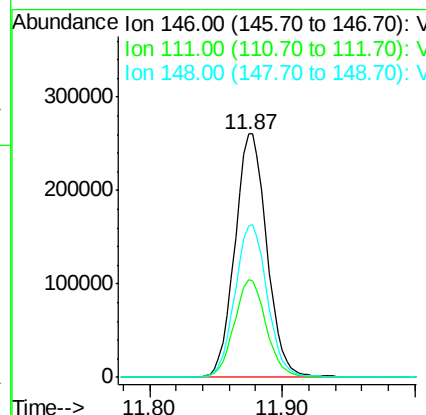
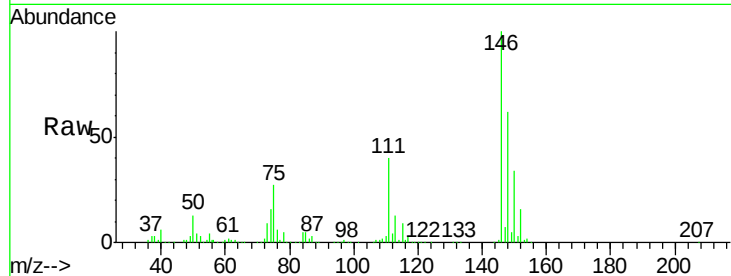
ClientSampleId :

C09A7DL

Tot Ion:	146	Resp:	436561
Ion Ratio	Lower	Upper	
146	100		
111	39.9	31.7	47.5
148	62.0	52.0	78.0

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:07:24 PM



#68

1,2,4-trichlorobenzene

Concen: 5.268 ug/L m

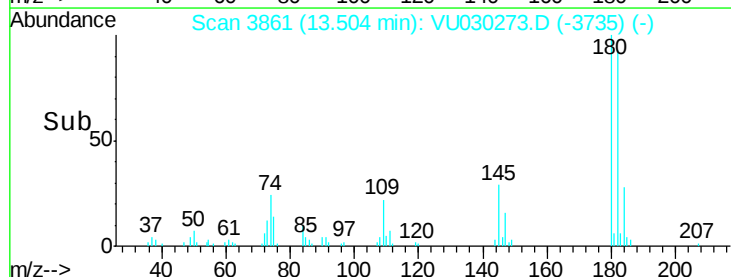
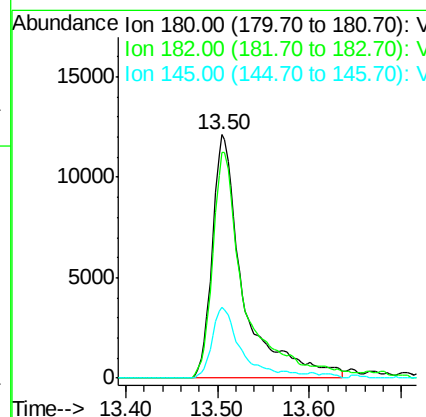
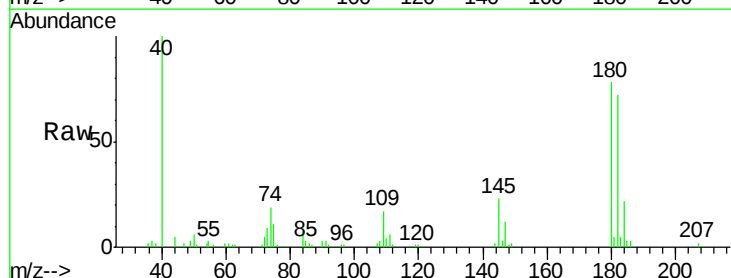
RT: 13.50 min Scan# 3861

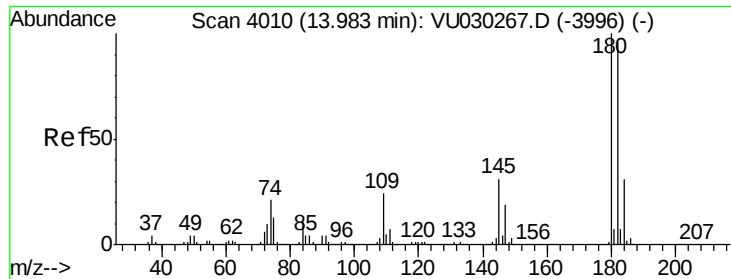
Delta R.T. 0.01 min

Lab File: VU030273.D

Acq: 21 Mar 2019 18:12

Tgt Ion:	180	Resp:	28533
Ion Ratio	Lower	Upper	
180	100		
182	86.7	76.4	114.6
145	25.9	22.7	34.1





#70
 1,2,3-Trichlorobenzene
 Concen: 1.911 ug/L m
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU030273.D
 Acq: 21 Mar 2019 18:12

Instrument :
 MSVOA_U
 ClientSampleId :
 C09A7DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.8	75.9	113.9
145	13.2	24.1	36.1

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 1:07:24 PM

