

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034737.D
 Acq On : 23 Sep 2019 16:40
 Operator : JC/SP
 Sample : K4982-04DL 100X
 Misc : 3.99g/5.0mL/100uL/10mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT5DL

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:46:12 AM

Quant Time: Sep 24 02:56:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 01:52:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	477824	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	447968	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	218167	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	202489	41.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.78%
7) Chloroethane-d5	1.67	69	166468	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.06%
11) 1,1-Dichloroethene-d2	2.26	63	284259	34.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.62%
21) 2-Butanone-d5	4.15	46	328756	87.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.69%
24) Chloroform-d	4.62	84	300301	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
26) 1,2-Dichloroethane-d4	5.28	65	255592	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.78%
32) Benzene-d6	5.32	84	709327	51.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.18%
36) 1,2-Dichloropropane-d6	6.31	67	252866	52.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.20%
41) Toluene-d8	7.54	98	670322	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	7.83	79	113688	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.82%
47) 2-Hexanone-d5	8.29	63	239058	98.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.08%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	324186	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.84	152	232579	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.10	112	12842	1.258	ug/L	99
52) Ethylbenzene	9.23	91	98310	5.199	ug/L	98
53) m,p-Xylene	9.35	106	107152	16.000	ug/L	95
54) o-xylene	9.76	106	27788	4.195	ug/L	93
62) 1,3-Dichlorobenzene	11.40	146	158937	21.036	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	232319	30.185	ug/L	95
65) 1,2-Dichlorobenzene	11.85	146	473703	62.052	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	12925m	3.247	ug/L	
70) 1,2,3-Trichlorobenzene	13.98	180	5446m	1.330	ug/L	

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

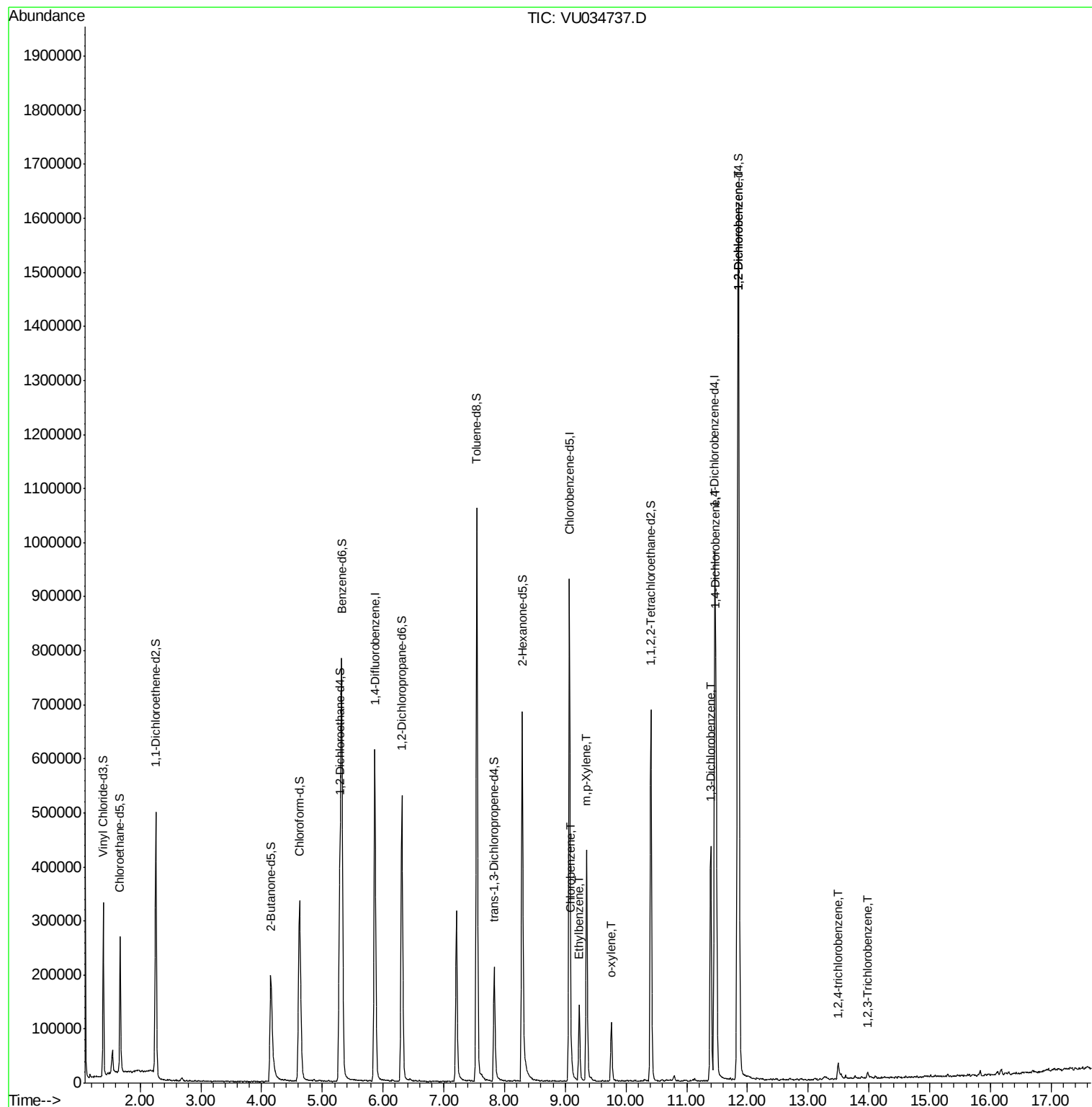
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034737.D
Acq On : 23 Sep 2019 16:40
Operator : JC/SP
Sample : K4982-04DL 100X
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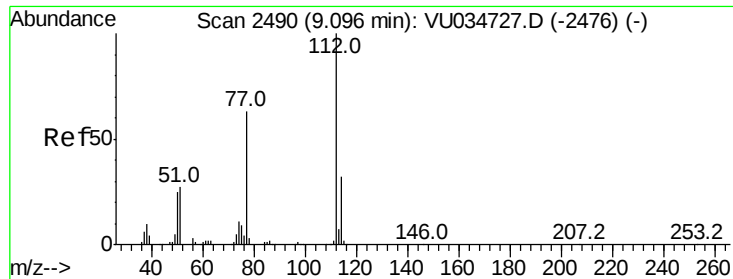
Instrument :
MSVOA_U
ClientSampleId :
C0AT5DL

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Quant Time: Sep 24 02:56:34 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
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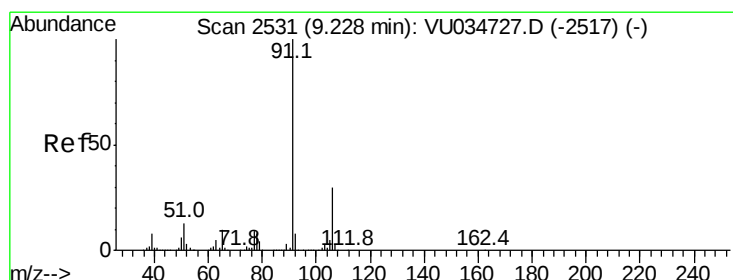
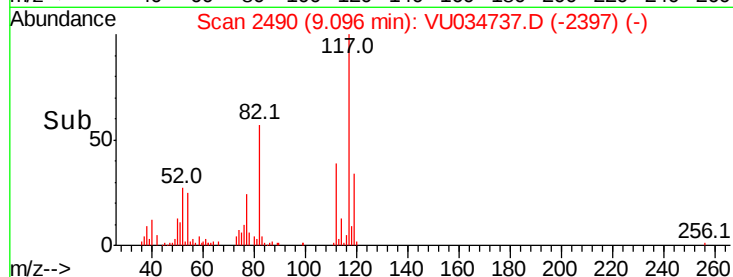
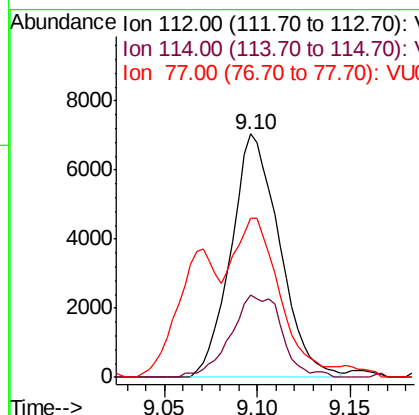
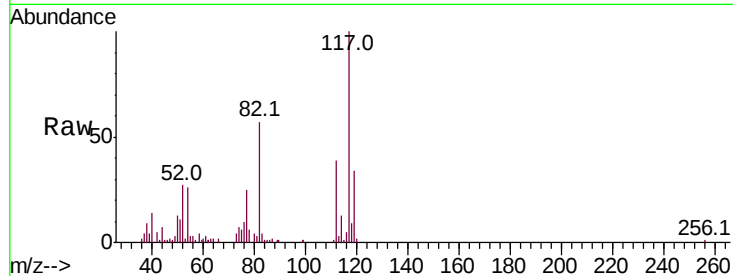
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Chlorobenzene
Concen: 1.258 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034737.D
Acq: 23 Sep 2019 16:40

Instrument :
MSVOA_U
ClientSampled :
C0AT5DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.8	42.4
77	65.3	51.5	77.3

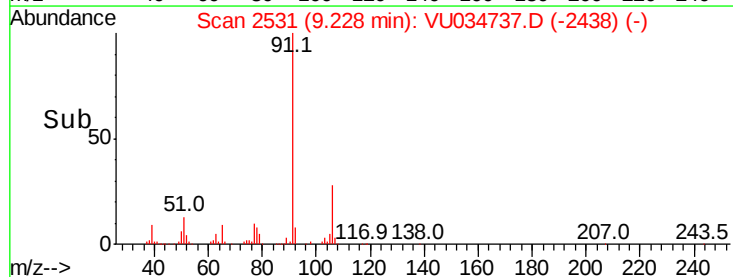
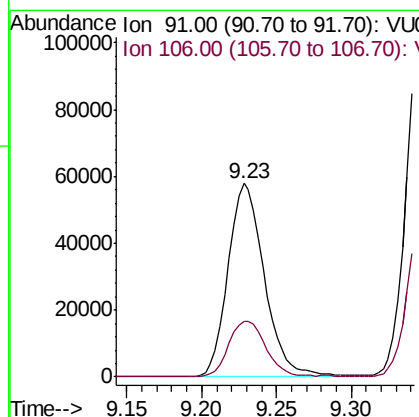
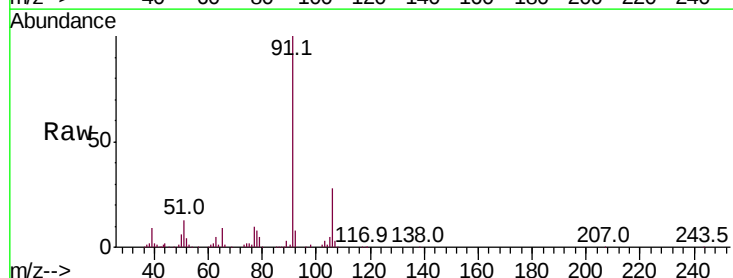
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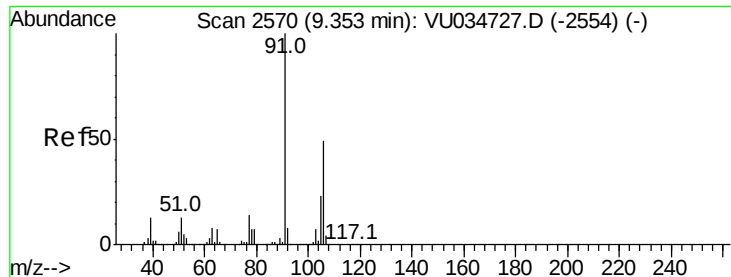
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#52
Ethylbenzene
Concen: 5.199 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034737.D
Acq: 23 Sep 2019 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	20.6	38.4





#53

m,p-Xylene

Concen: 16.000 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034737.D

Acq: 23 Sep 2019 16:40

Instrument :

MSVOA_U

ClientSampleId :

C0AT5DL

Tot Ion:106 Resp: 107152

Ion Ratio Lower Upper

106 100

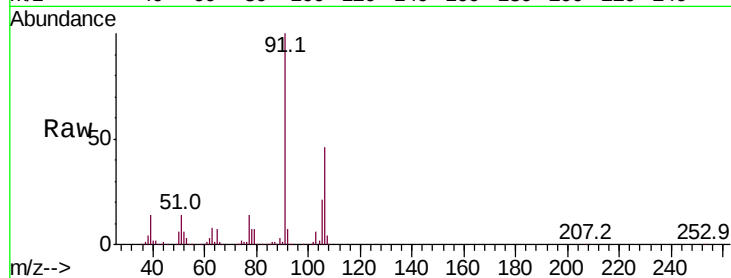
91 217.4 146.9 272.7

Manual Integrations

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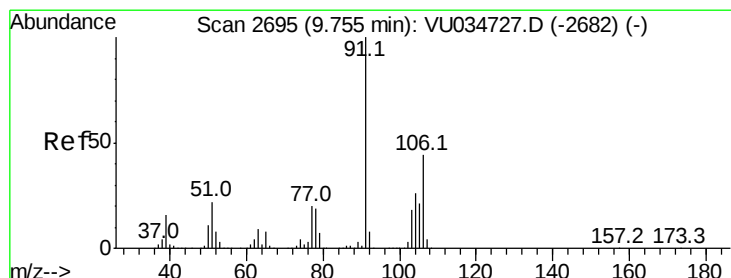
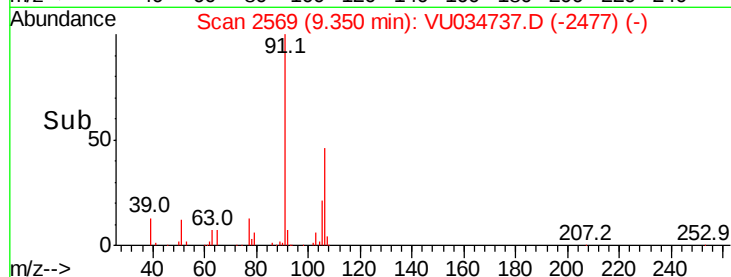
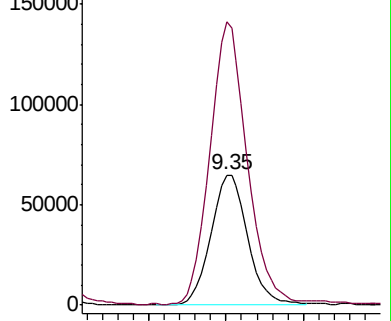
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.195 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034737.D

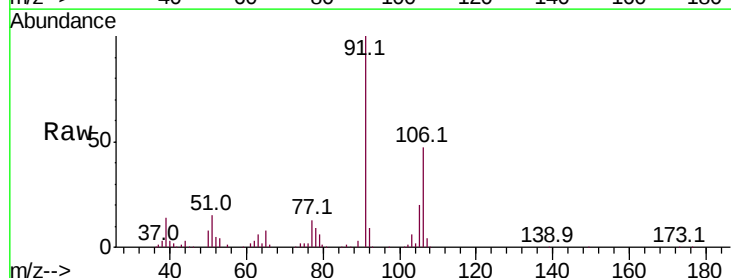
Acq: 23 Sep 2019 16:40

Tgt Ion:106 Resp: 27788

Ion Ratio Lower Upper

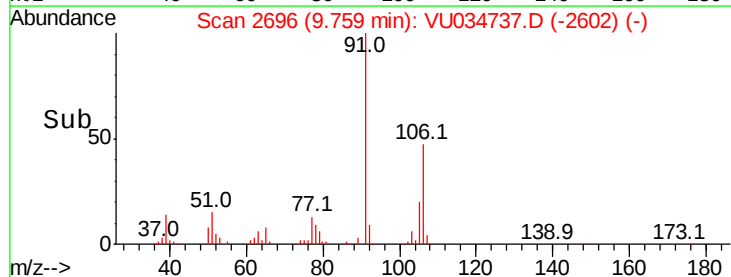
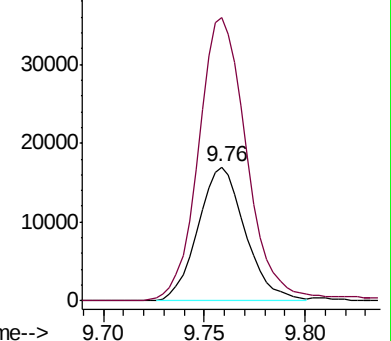
106 100

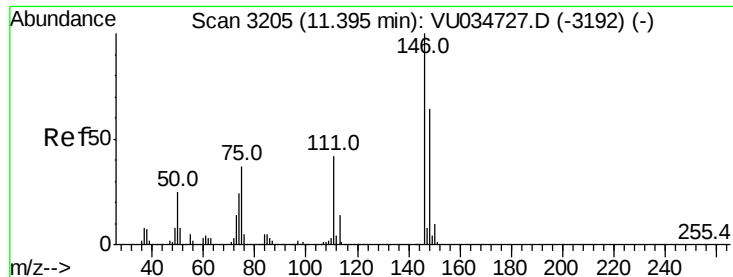
91 211.7 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





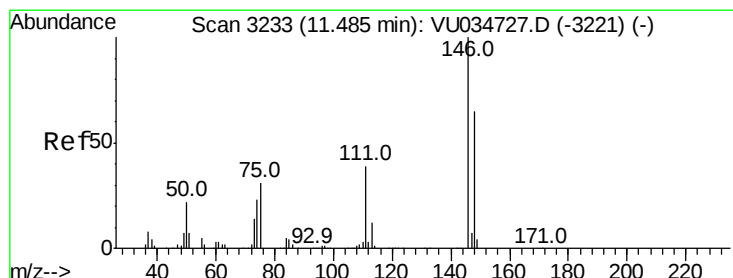
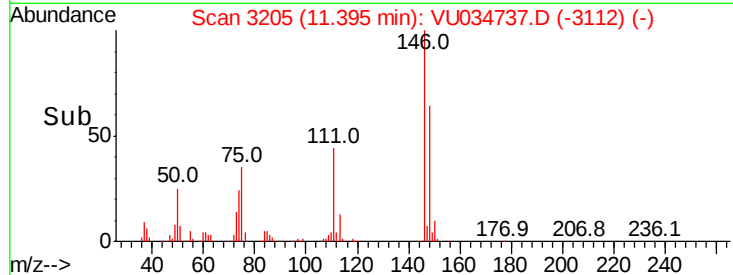
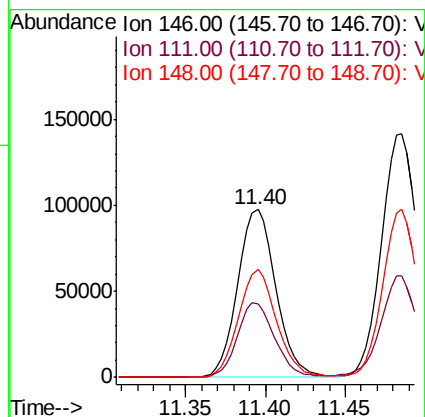
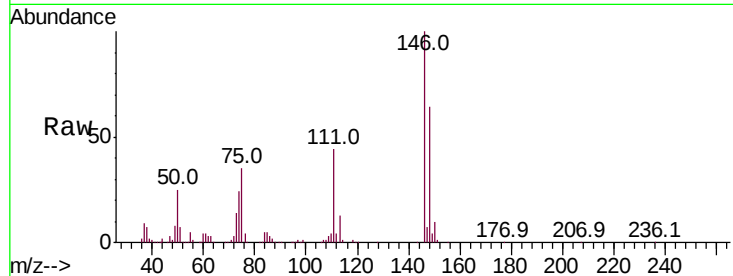
#62
 1,3-Dichlorobenzene
 Concen: 21.036 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Instrument :
 MSVOA_U
 ClientSampled :
 C0AT5DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	30.4	56.5
148	64.0	46.1	85.7

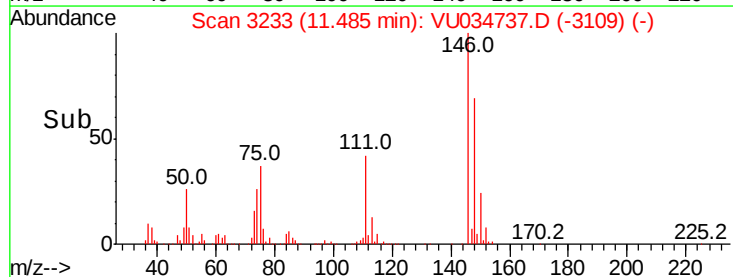
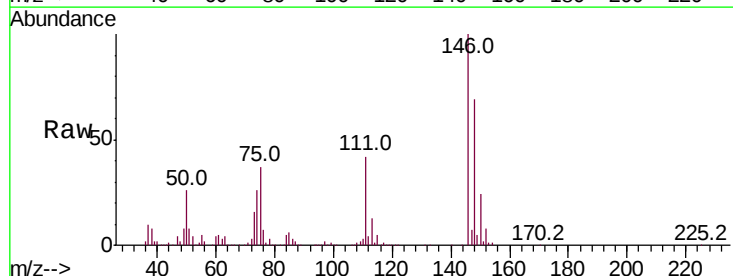
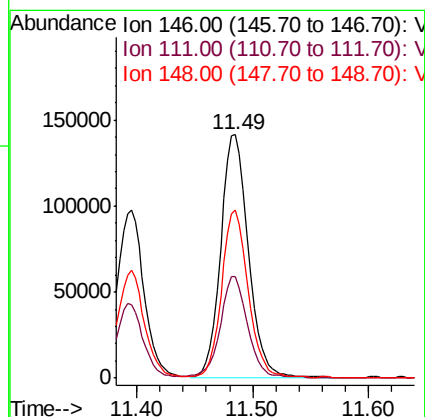
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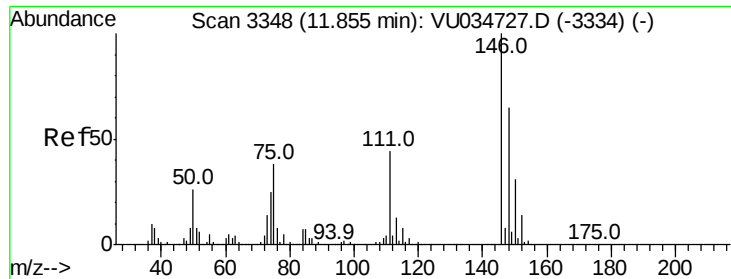
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#63
 1,4-Dichlorobenzene
 Concen: 30.185 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	29.5	54.9
148	69.0	44.4	82.4





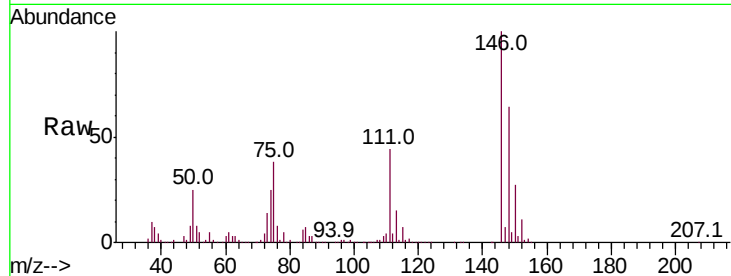
#65
 1,2-Dichlorobenzene
 Concen: 62.052 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT5DL

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.5	35.2	52.8	
148	63.5	53.0	79.6	

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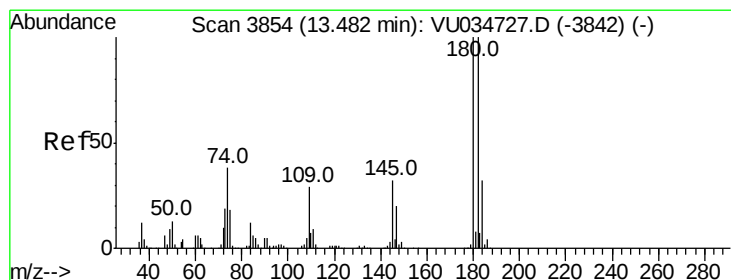
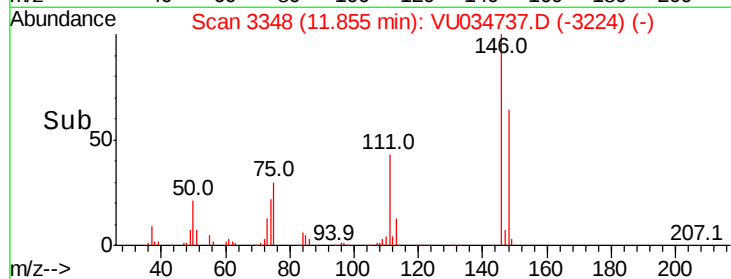
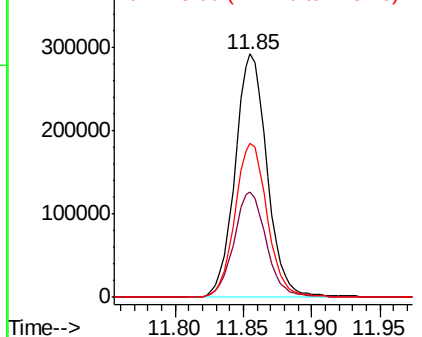


Abundance

Ion 146.00 (145.70 to 146.70): V

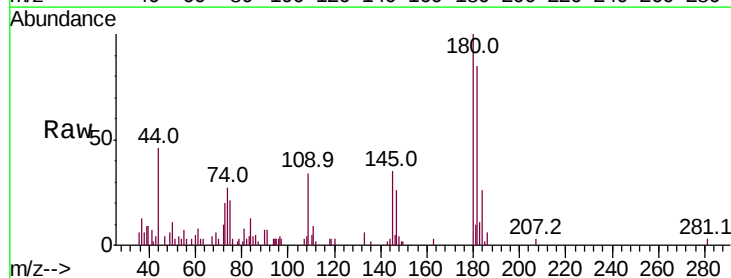
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.247 ug/L m
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	74.2	75.7	113.5#	
145	18.4	25.2	37.8#	

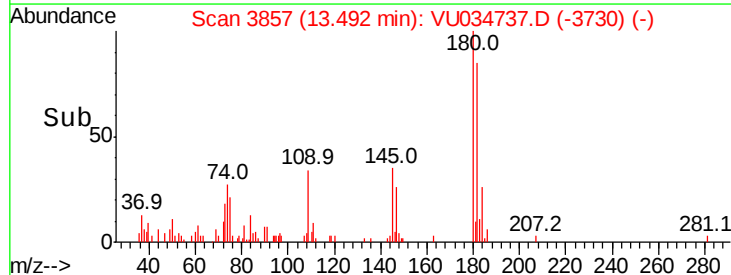
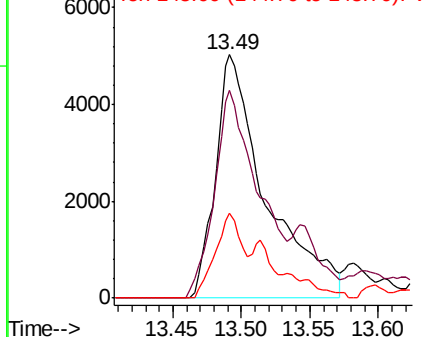


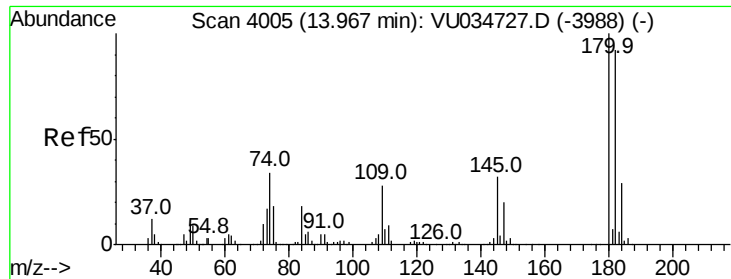
Abundance

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





#70
 1,2,3-Trichlorobenzene
 Concen: 1.330 ug/L m
 RT: 13.98 min Scan# 4009
 Delta R.T. 0.01 min
 Lab File: VU034737.D
 Acq: 23 Sep 2019 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AT5DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.7	79.2	118.8#
145	23.0	26.0	39.0#

Manual Integrations
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