

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034734.D
 Acq On : 23 Sep 2019 15:30
 Operator : JC/SP
 Sample : K4982-05 10X
 Misc : 5.58g/5.0mL/100uL/10mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:45:50 AM

Quant Time: Sep 24 02:28:58 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	506491	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	490083	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	249149	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	216233	41.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.40%
7) Chloroethane-d5	1.66	69	173436	43.28	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.25	63	295895	33.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.40%
21) 2-Butanone-d5	4.15	46	402470	101.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.28%
24) Chloroform-d	4.62	84	338375	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
26) 1,2-Dichloroethane-d4	5.28	65	261699	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.31	84	727637	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.31	67	256010	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	7.54	98	697329	48.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.50%
43) trans-1,3-Dichloropropene-	7.83	79	121265	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.38%
47) 2-Hexanone-d5	8.29	63	269473	101.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.05%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	349354	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.84	152	261343m	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.39	62	8525	1.206	ug/L #	93
42) Toluene	7.62	91	21919	1.193	ug/L	97
51) Chlorobenzene	9.10	112	134494	12.044	ug/L	98
52) Ethylbenzene	9.23	91	262389	12.685	ug/L	96
53) m,p-Xylene	9.35	106	343595	46.896	ug/L	99
54) o-xylene	9.76	106	92951	12.827	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	1023810	118.658	ug/L	98
63) 1,4-Dichlorobenzene	11.48	146	1507304	171.491	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	2946499	337.979	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	87088	19.156	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	25333	5.416	ug/L	97

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

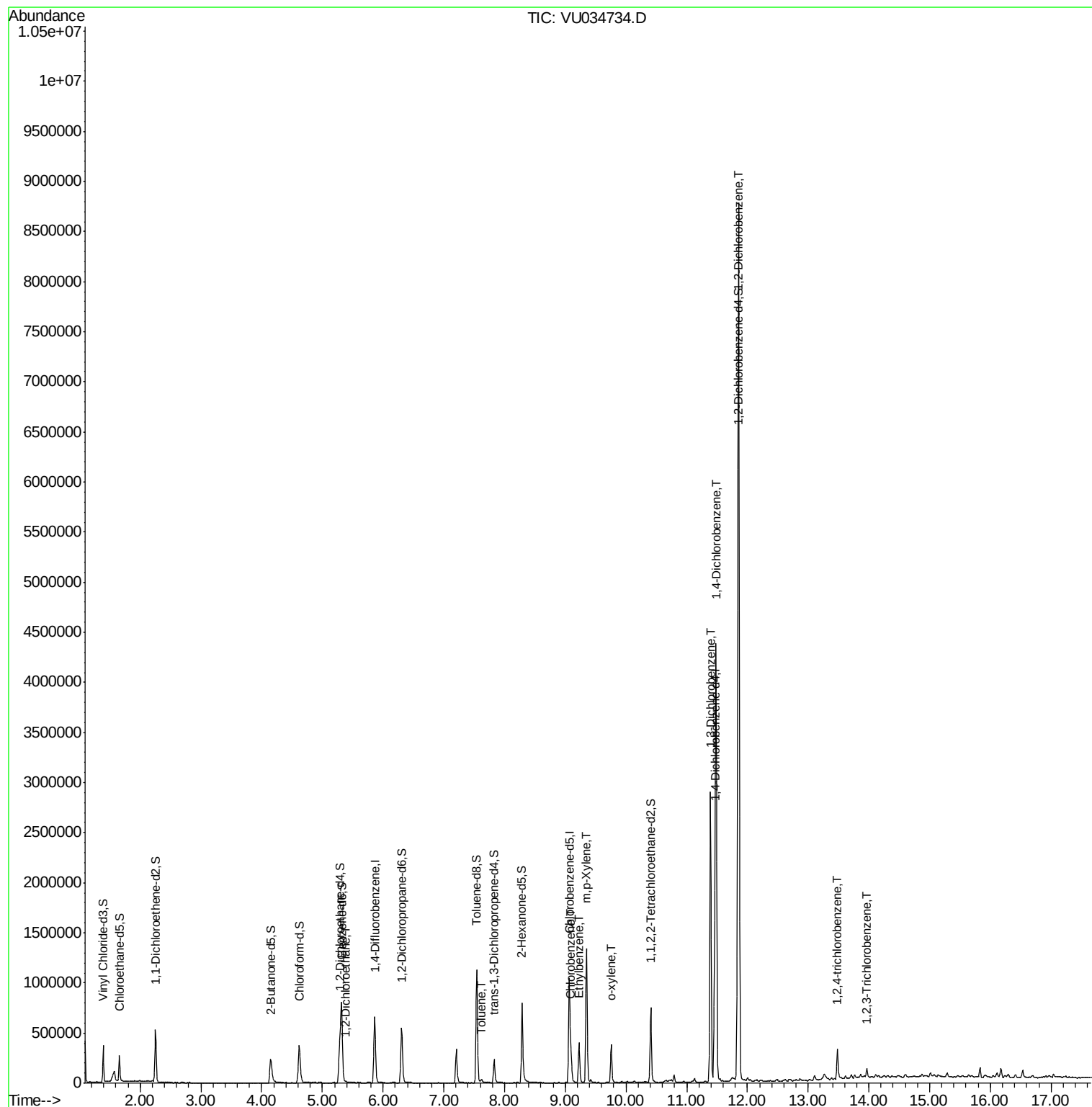
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034734.D
Acq On : 23 Sep 2019 15:30
Operator : JC/SP
Sample : K4982-05 10X
Misc : 5.58q/5.0mL/100uL/10mL/MSVOA_U/MEOH
ALS Vial : 10 Sample Multiplier: 1

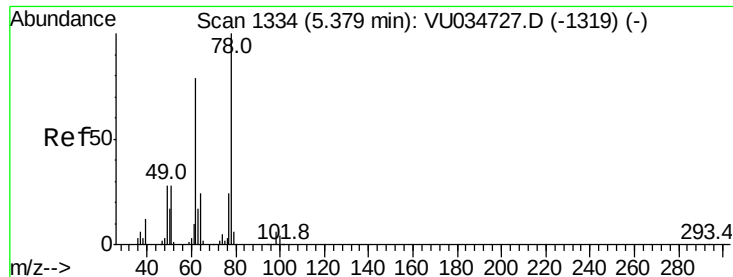
Instrument :
MSVOA_U
ClientSampleId :
C0AW2

Manual Integrations
APPROVED

MMDadoda
9/24/2019 10:45:50 AM

Quant Time: Sep 24 02:28:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 01:52:59 2019
Response via : Initial Calibration





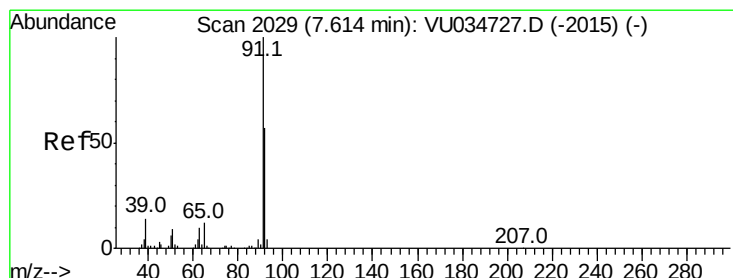
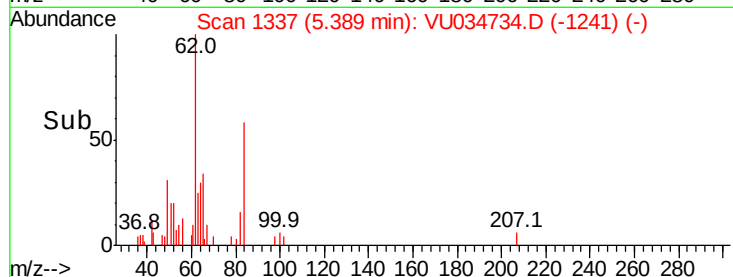
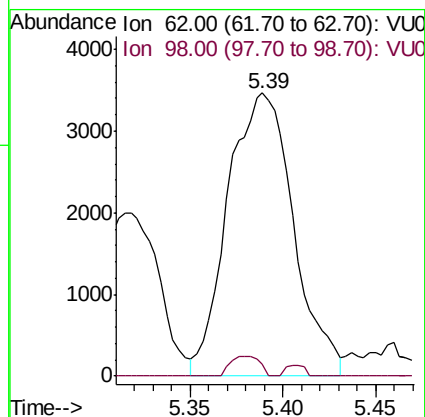
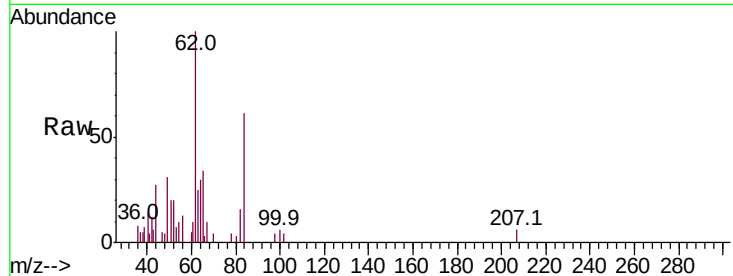
#27
 1,2-Dichloroethane
 Concen: 1.206 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.2	5.3	7.9#

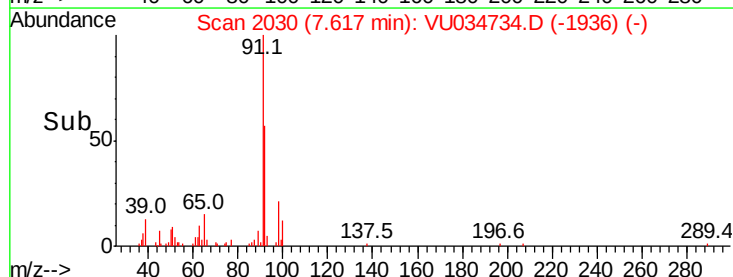
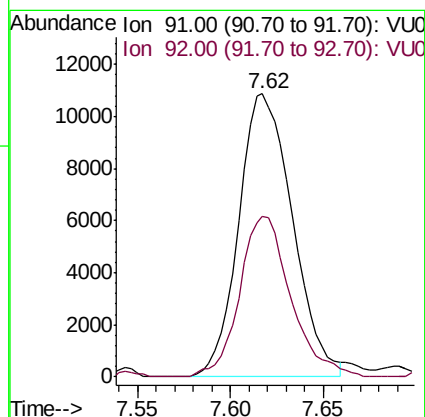
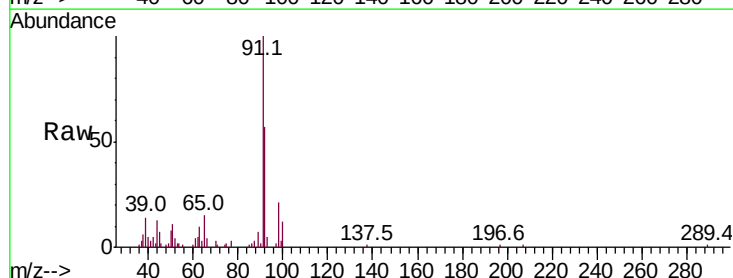
Manual Integrations
 APPROVED

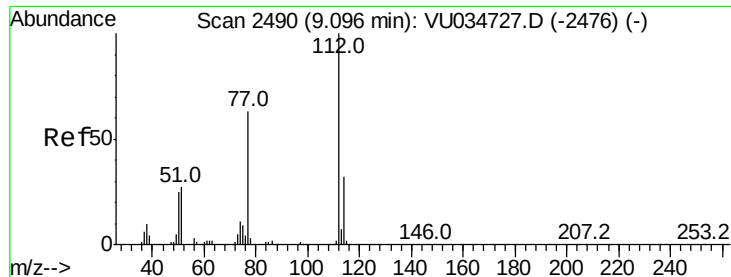
MMDadoda
 9/24/2019 10:45:50 AM



#42
 Toluene
 Concen: 1.193 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	38.2	71.0





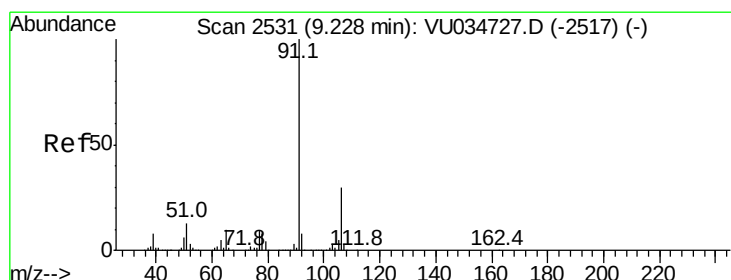
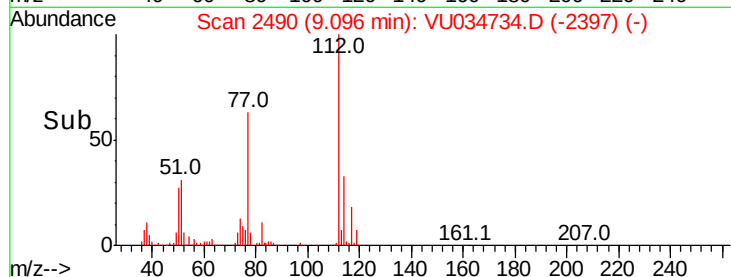
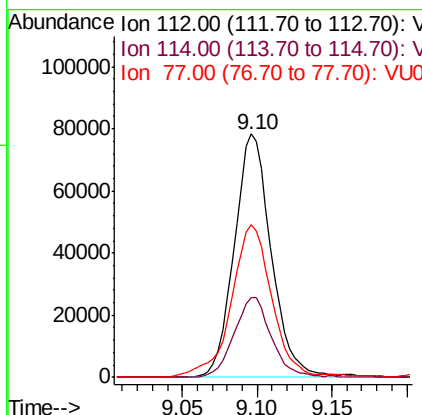
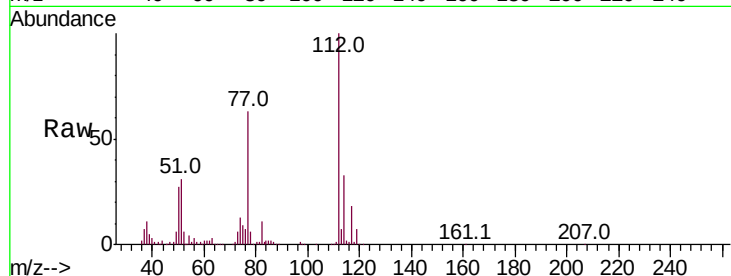
#51
Chlorobenzene
Concen: 12.044 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034734.D
Acq: 23 Sep 2019 15:30

Instrument :
MSVOA_U
ClientSampled :
C0AW2

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.8	42.4
77	62.7	51.5	77.3

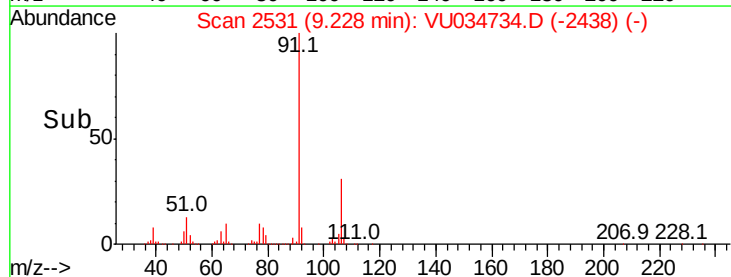
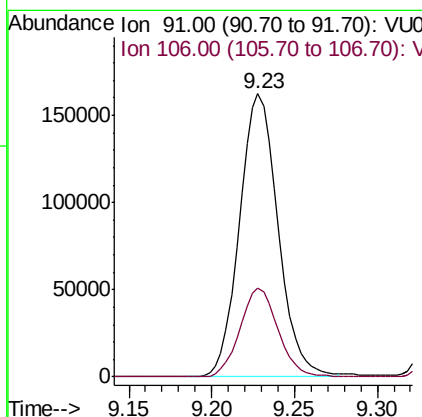
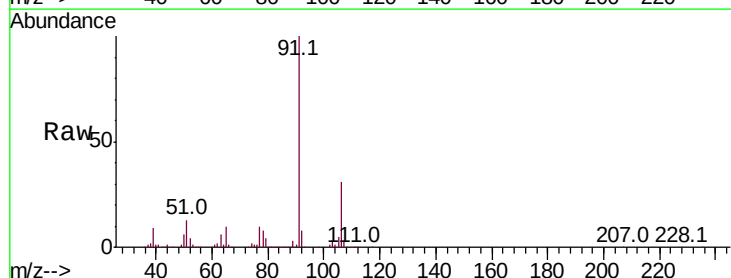
Manual Integrations
APPROVED

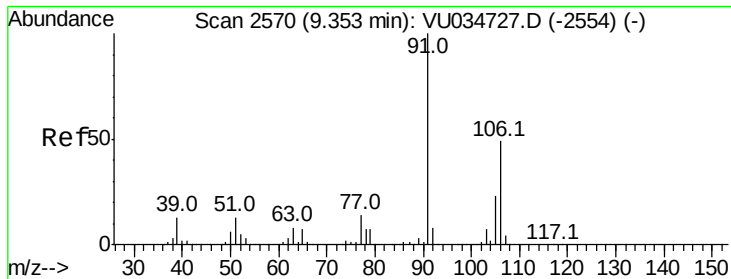
MMDadoda
9/24/2019 10:45:50 AM



#52
Ethylbenzene
Concen: 12.685 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU034734.D
Acq: 23 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	20.6	38.4





#53

m,p-Xylene

Concen: 46.896 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034734.D

Acq: 23 Sep 2019 15:30

Instrument :

MSVOA_U

ClientSampled :

C0AW2

Tot Ion:106 Resp: 343595

Ion Ratio Lower Upper

106 100

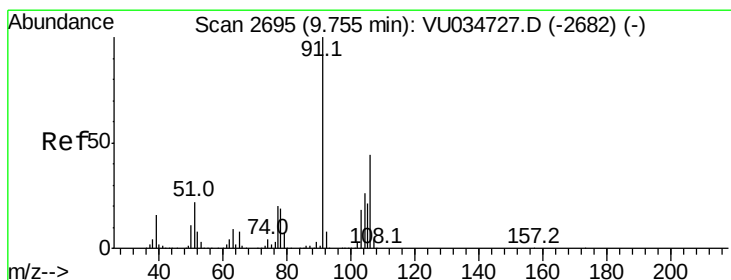
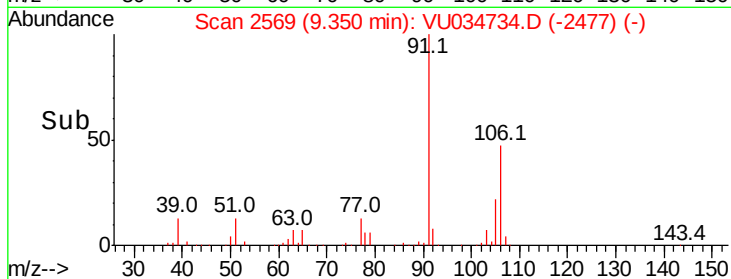
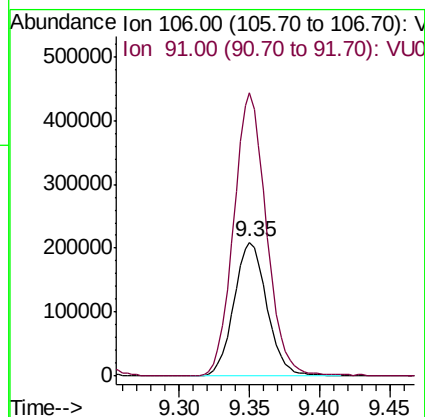
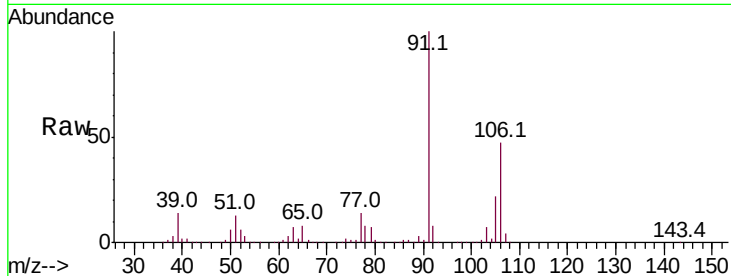
91 211.2 146.9 272.7

Manual Integrations

APPROVED

MMDadoda

9/24/2019 10:45:50 AM



#54

o-xylene

Concen: 12.827 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034734.D

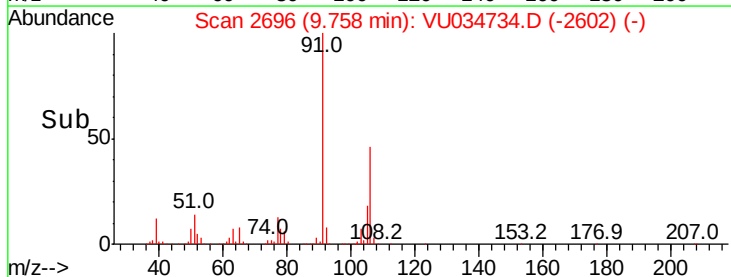
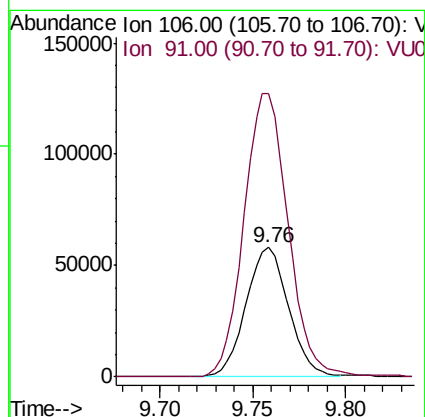
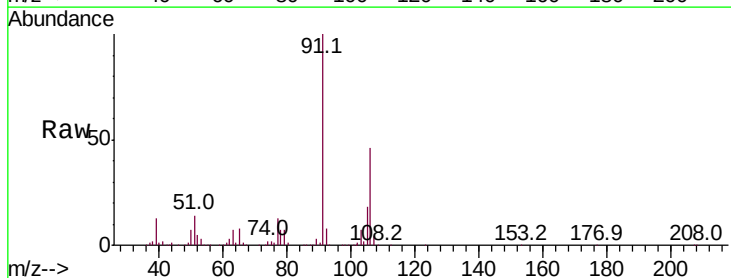
Acq: 23 Sep 2019 15:30

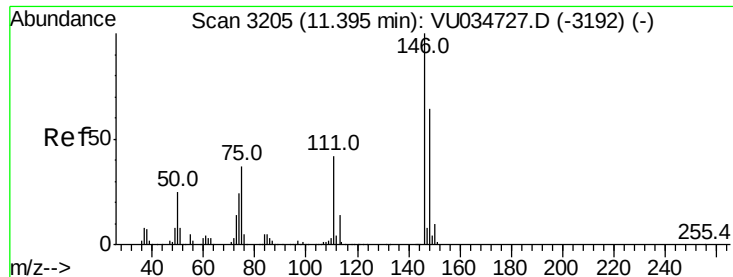
Tgt Ion:106 Resp: 92951

Ion Ratio Lower Upper

106 100

91 218.9 155.6 289.0





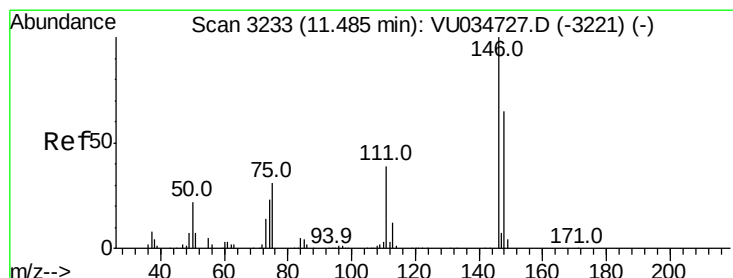
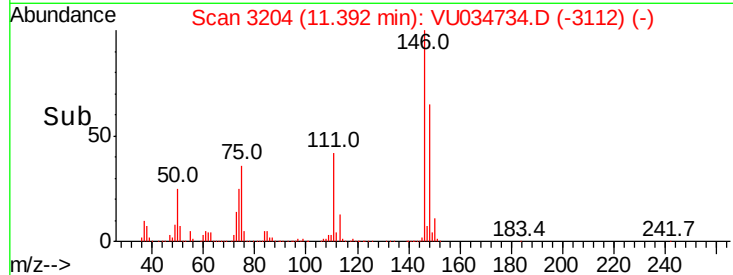
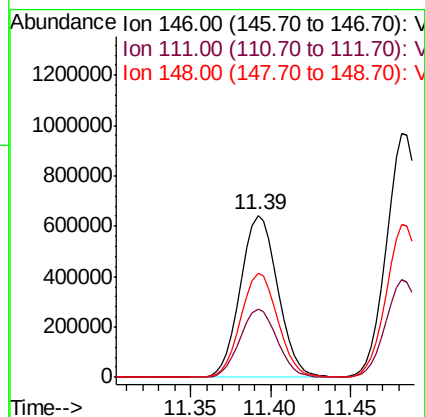
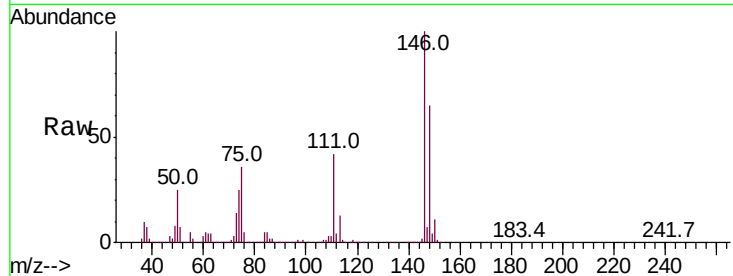
#62
 1,3-Dichlorobenzene
 Concen: 118.658 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	30.4	56.5
148	64.6	46.1	85.7

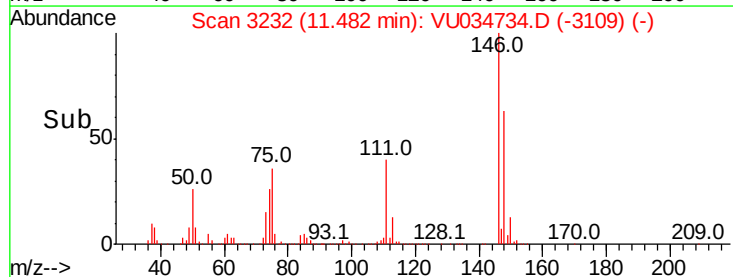
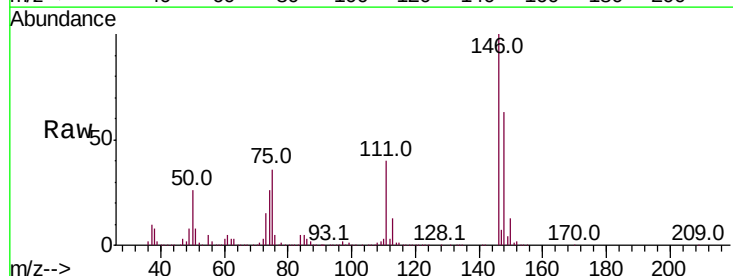
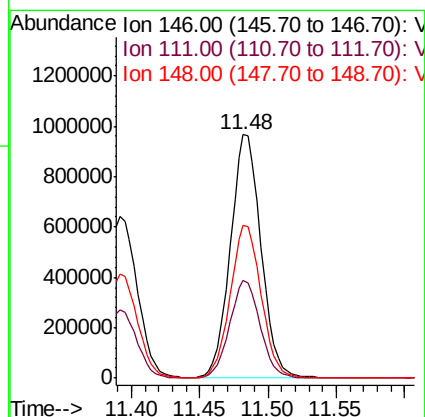
Manual Integrations
 APPROVED

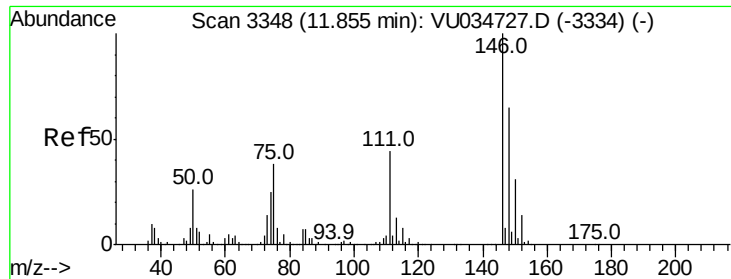
MMDadoda
 9/24/2019 10:45:50 AM



#63
 1,4-Dichlorobenzene
 Concen: 171.491 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. -0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	29.5	54.9
148	62.7	44.4	82.4





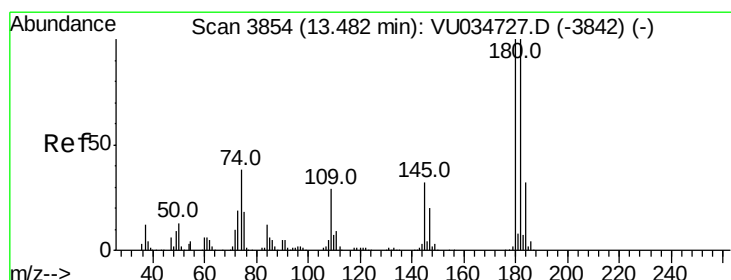
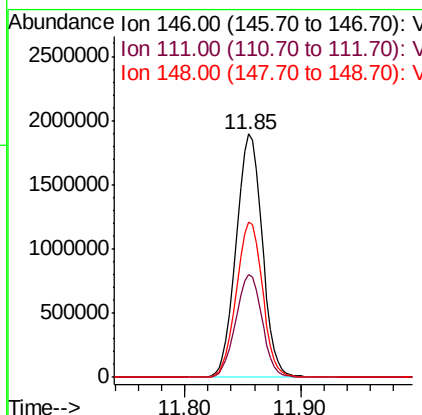
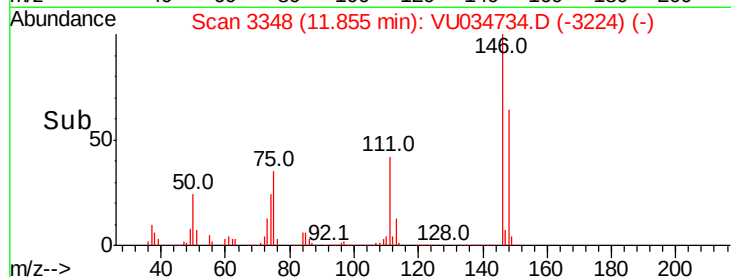
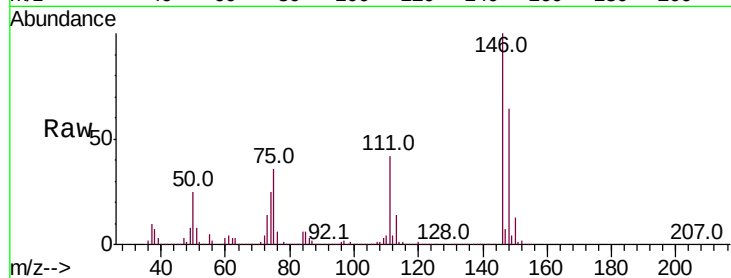
#65
 1,2-Dichlorobenzene
 Concen: 337.979 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampled :
 C0AW2

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.2	52.8
148	63.8	53.0	79.6

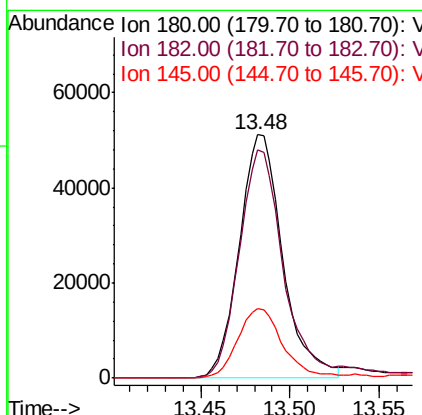
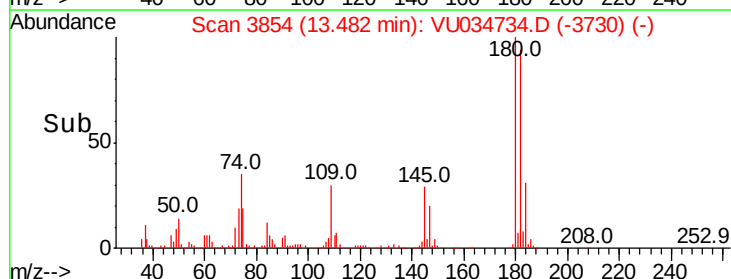
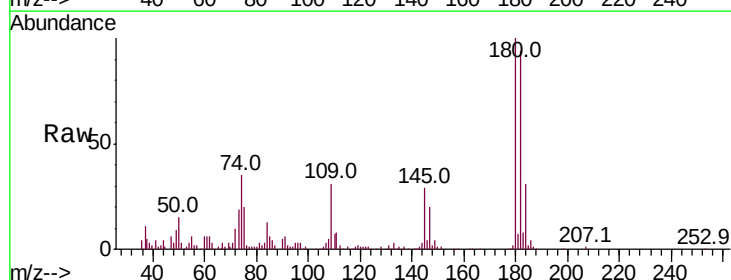
Manual Integrations
 APPROVED

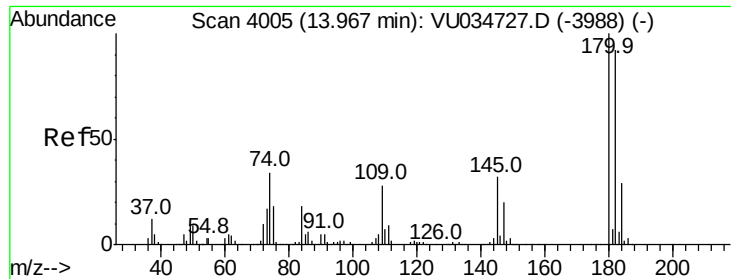
MMDadoda
 9/24/2019 10:45:50 AM



#68
 1,2,4-trichlorobenzene
 Concen: 19.156 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.7	113.5
145	29.7	25.2	37.8





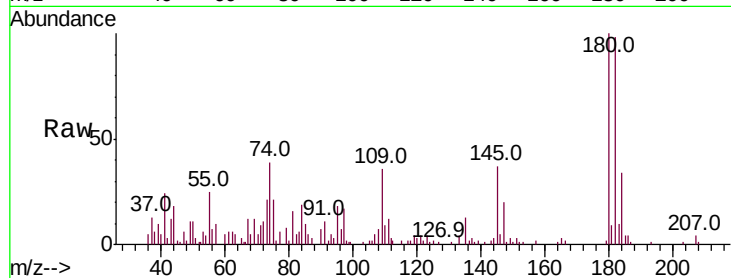
#70
 1,2,3-Trichlorobenzene
 Concen: 5.416 ug/L
 RT: 13.97 min Scan# 4005
 Delta R.T. 0.00 min
 Lab File: VU034734.D
 Acq: 23 Sep 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AW2

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.7	79.2	118.8
145	37.9	26.0	39.0

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 10:45:50 AM



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

