

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037057.D
 Acq On : 04 Mar 2020 23:17
 Operator : JC/MD
 Sample : L1780-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7

Manual Integrations
 APPROVED

sam
 3/5/2020 3:34:34 PM

Quant Time: Mar 05 03:36:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 02:52:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	252609	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	268238	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	133316	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87907	41.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.88%
7) Chloroethane-d5	1.92	69	85509	48.72	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.44%
11) 1,1-Dichloroethene-d2	2.59	63	125963	35.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.92%
21) 2-Butanone-d5	4.67	46	143337	100.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.73%
24) Chloroform-d	5.10	84	165519	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	113162	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
32) Benzene-d6	5.76	84	354105	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
36) 1,2-Dichloropropane-d6	6.72	67	113583	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.92	98	313487	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%
43) trans-1,3-Dichloropropene-	8.20	79	46921	40.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.36%
47) 2-Hexanone-d5	8.66	63	105500	85.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.86%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162470	45.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.72%
64) 1,2-Dichlorobenzene-d4	12.22	152	126189	48.42	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	3354	1.361	ug/L	91
12) 1,1-Dichloroethene	2.60	96	12292	7.534	ug/L #	1
13) Acetone	2.66	43	5009	3.422	ug/L	99
25) Chloroform	5.13	83	68539	20.857	ug/L	96
29) Cyclohexane	5.43	56	3379	0.949	ug/L	95
33) Benzene	5.81	78	19905104m	2348.948	ug/L	
34) Trichloroethene	6.57	95	6530	3.135	ug/L	98
46) Tetrachloroethene	8.57	164	2110	1.538	ug/L	92
51) Chlorobenzene	9.47	112	22265080m	4162.200	ug/L	
62) 1,3-Dichlorobenzene	11.76	146	3798957	878.420	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	17145437m	4012.696	ug/L	
65) 1,2-Dichlorobenzene	12.24	146	18484104m	4280.574	ug/L	
68) 1,2,4-trichlorobenzene	13.87	180	894370	434.863	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	341603	166.211	ug/L	98

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

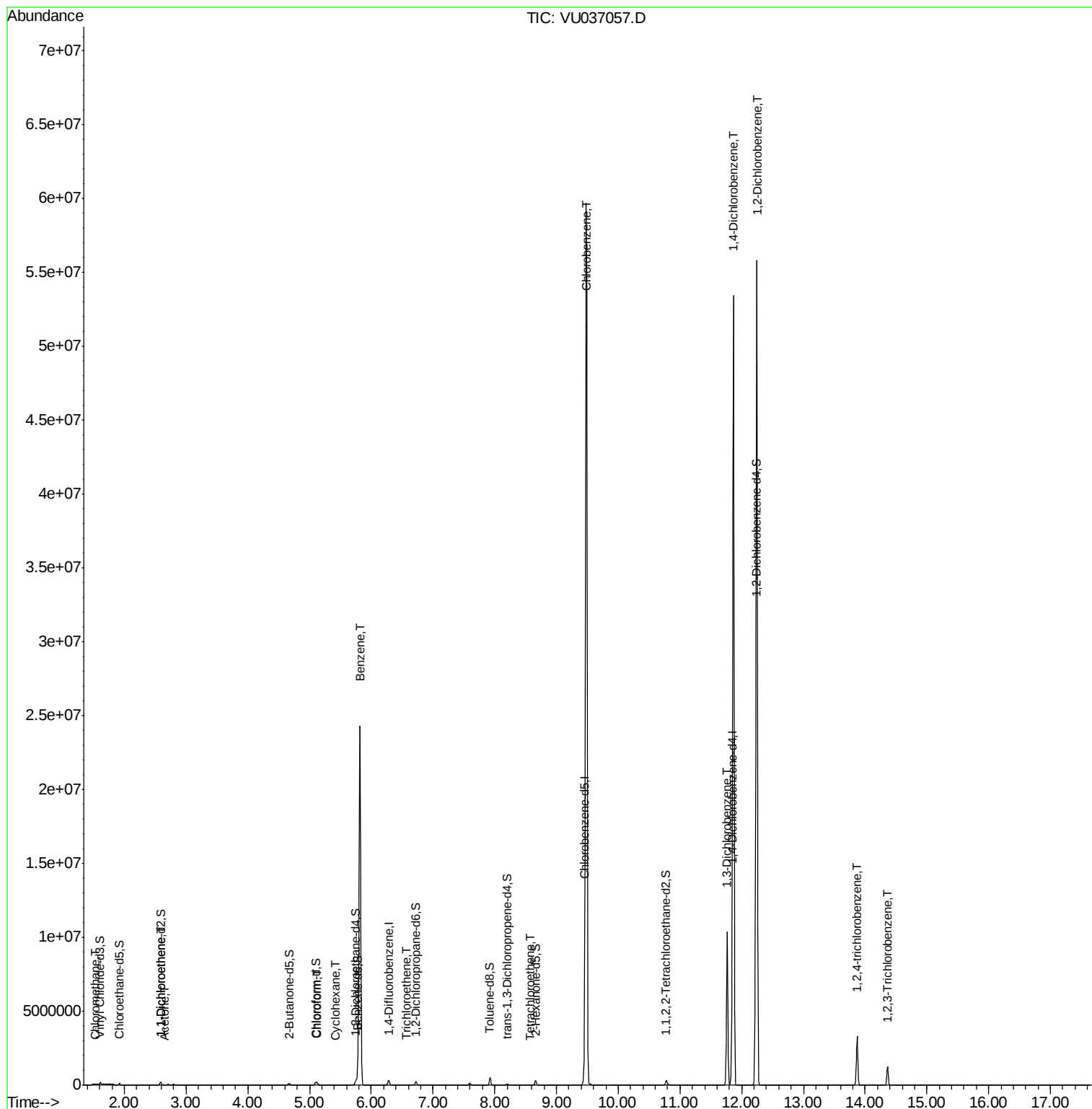
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
Data File : VU037057.D
Acq On : 04 Mar 2020 23:17
Operator : JC/MD
Sample : L1780-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

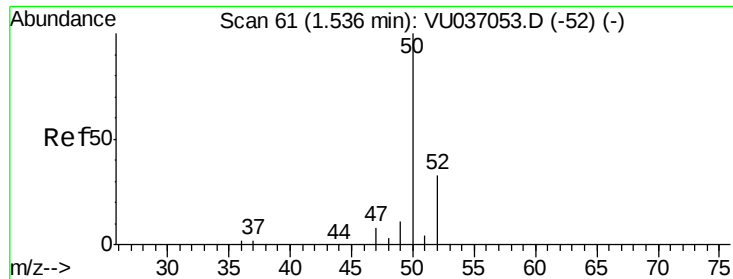
Instrument :
MSVOA_U
ClientSampleId :
C0DF7

Manual Integrations
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3/5/2020 3:34:34 PM

Quant Time: Mar 05 03:36:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.361 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampled :

C0DF7

Tot Ion: 50 Resp: 3354

Ion Ratio Lower Upper

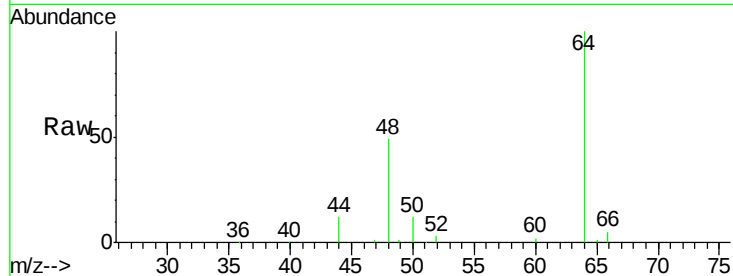
50 100

52 27.6 23.0 42.6

Manual Integrations
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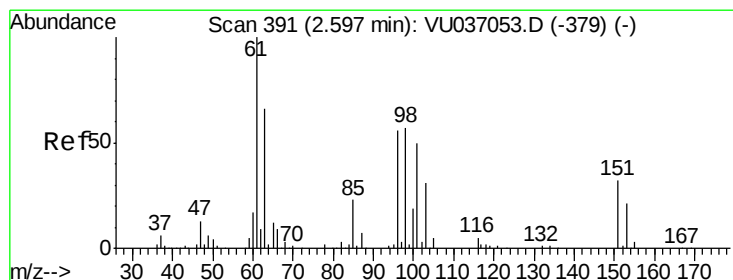
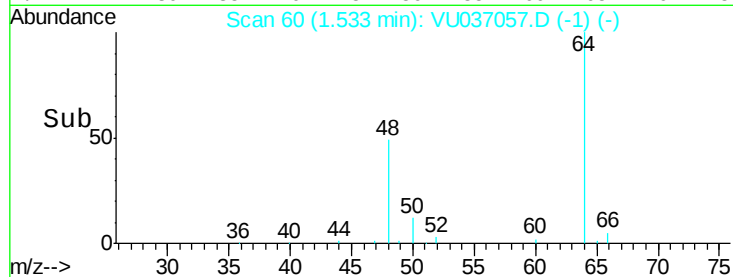
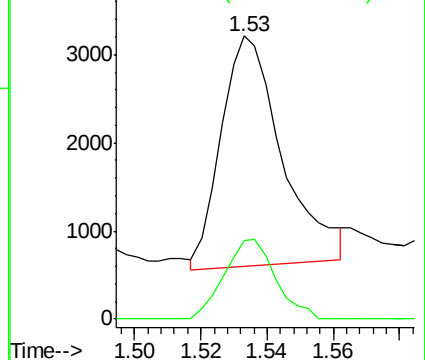
sam

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Abundance Ion 50.00 (49.70 to 50.70): VU037053.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037053.D (-52) (-)



#12

1,1-Dichloroethene

Concen: 7.534 ug/L

RT: 2.60 min Scan# 392

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

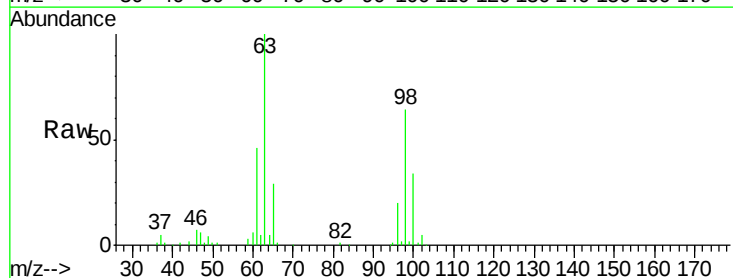
Tgt Ion: 96 Resp: 12292

Ion Ratio Lower Upper

96 100

61 229.2 127.5 236.7

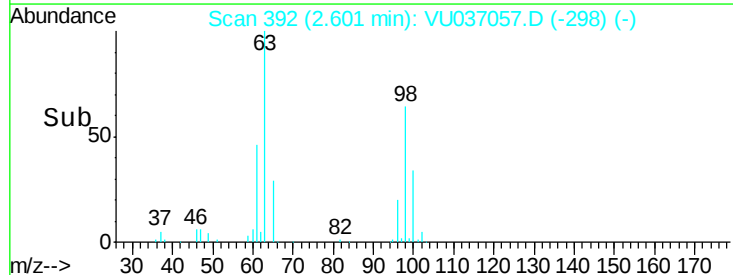
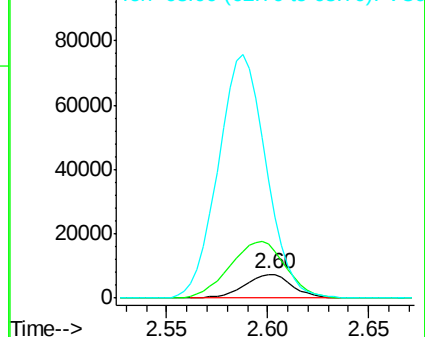
63 498.8 101.4 188.2#

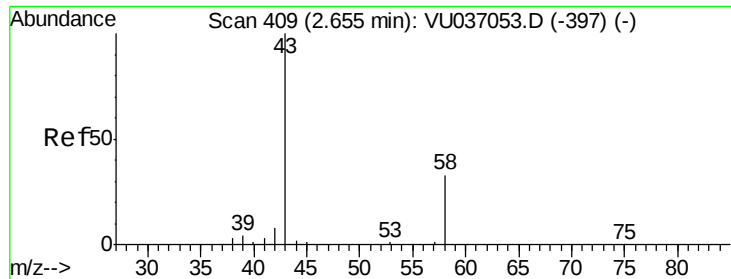


Abundance Ion 96.00 (95.70 to 96.70): VU037053.D (-379) (-)

Ion 61.00 (60.70 to 61.70): VU037053.D (-379) (-)

Ion 63.00 (62.70 to 63.70): VU037053.D (-379) (-)





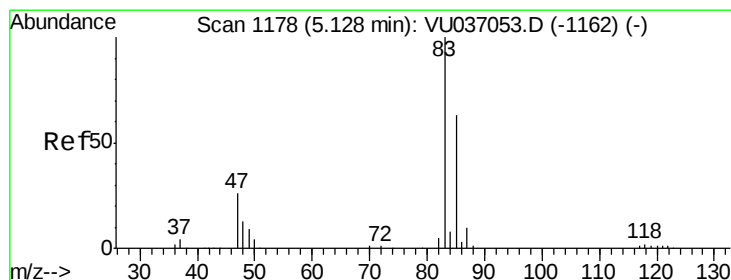
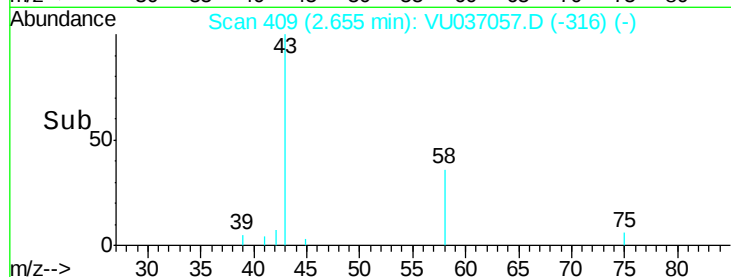
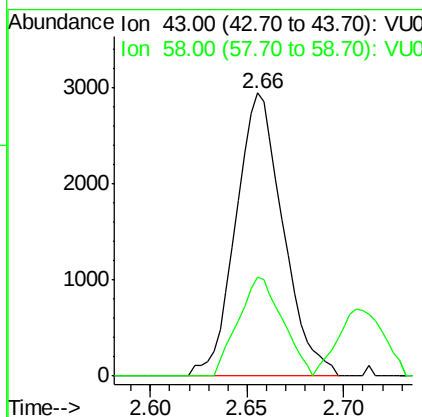
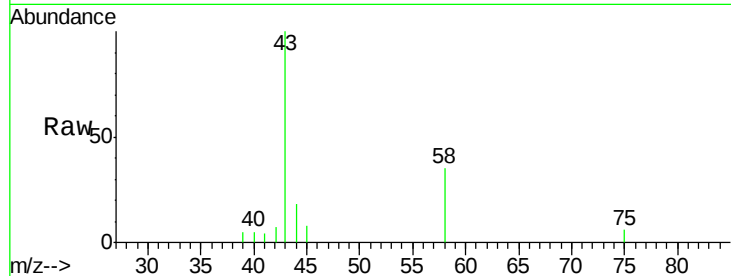
#13
Acetone
Concen: 3.422 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037057.D
Acq: 04 Mar 2020 23:17

Instrument :
MSVOA_U
ClientSampleId :
C0DF7

Tot Ion: 43 Resp: 5009
Ion Ratio Lower Upper
43 100
58 32.7 0.0 64.6

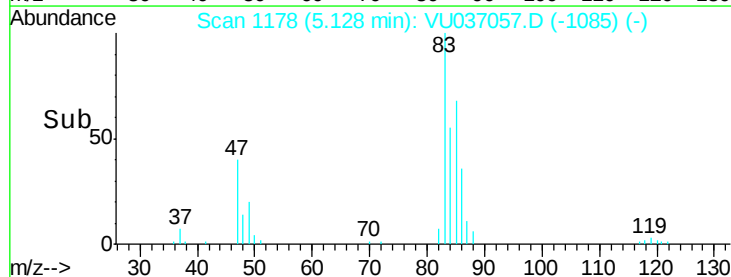
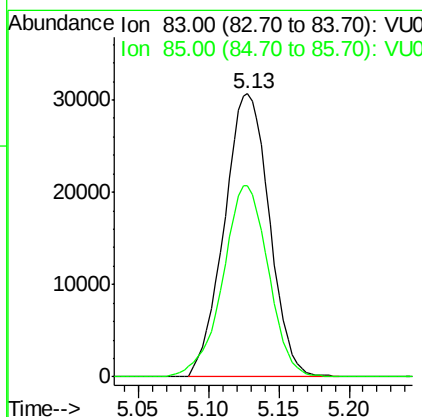
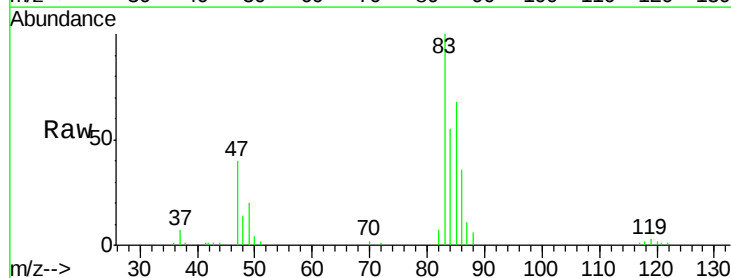
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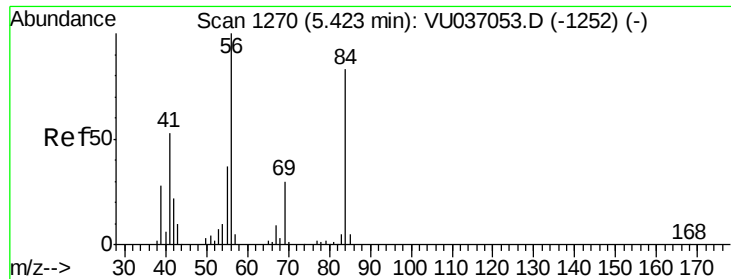
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#25
Chloroform
Concen: 20.857 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037057.D
Acq: 04 Mar 2020 23:17

Tgt Ion: 83 Resp: 68539
Ion Ratio Lower Upper
83 100
85 67.7 45.1 83.9





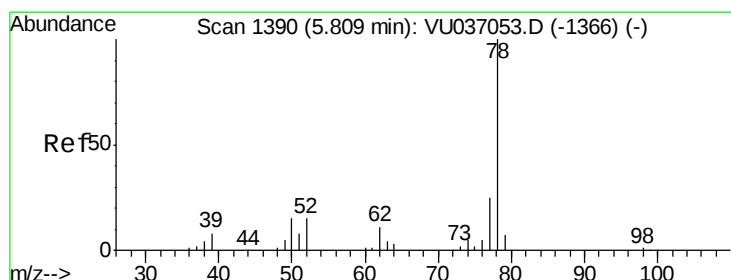
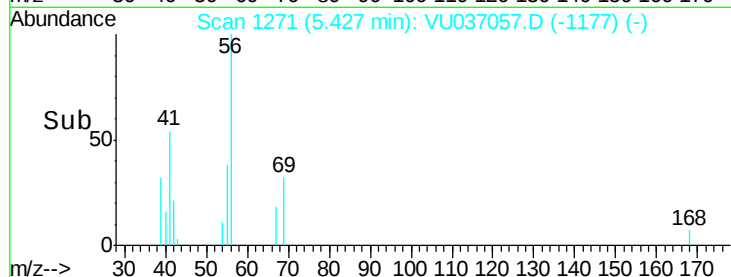
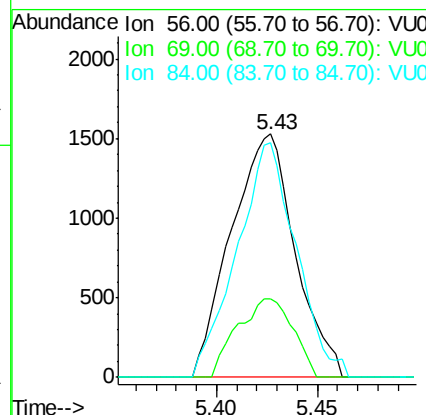
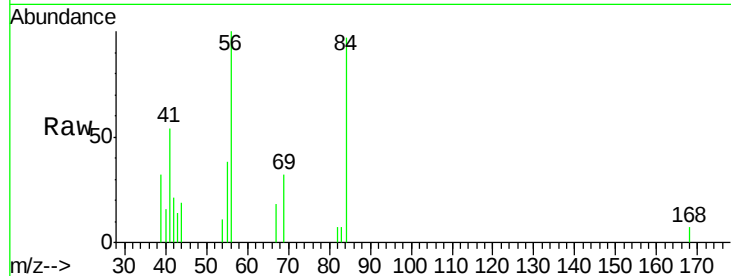
#29
Cyclohexane
Concen: 0.949 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037057.D
Acq: 04 Mar 2020 23:17

Instrument :
MSVOA_U
ClientSampleId :
C0DF7

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.6	37.0
84	88.5	67.0	100.4

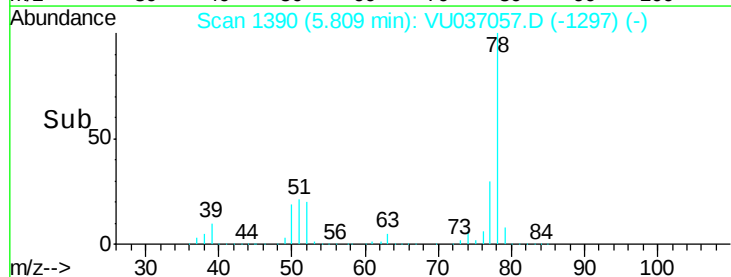
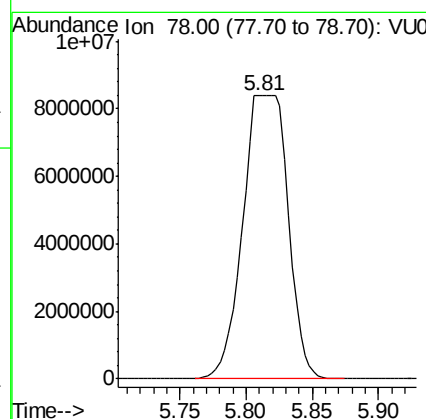
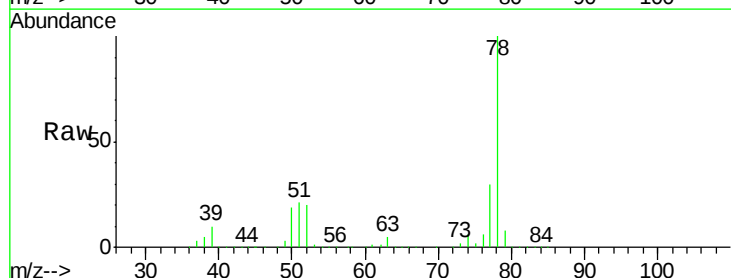
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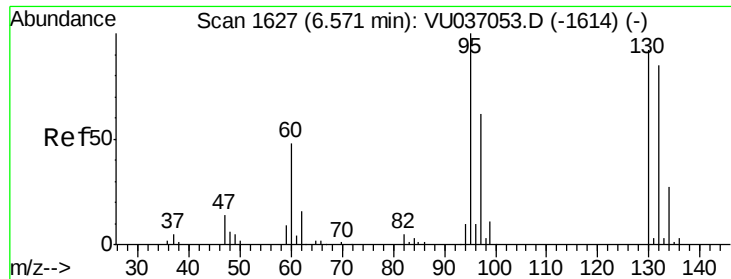
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#33
Benzene
Concen: 2348.948 ug/L m
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU037057.D
Acq: 04 Mar 2020 23:17

Tgt Ion: 78 Resp:19905104





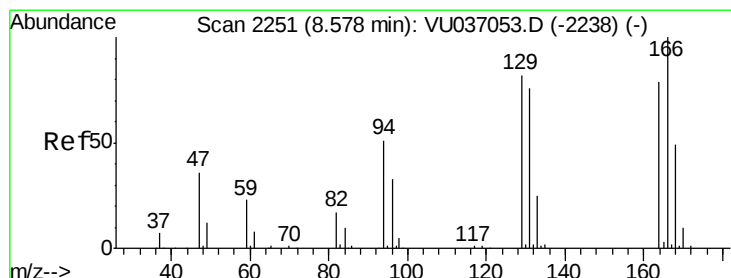
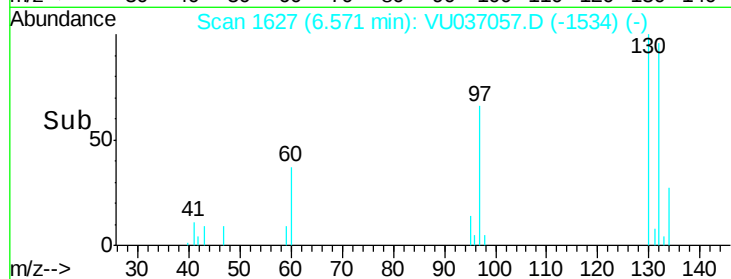
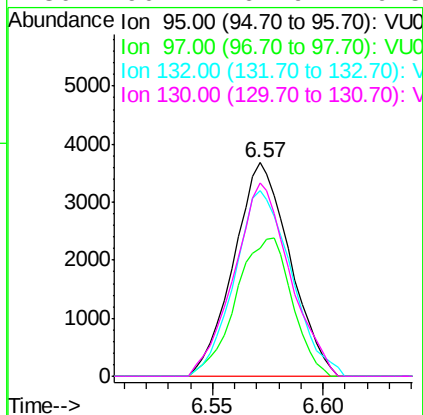
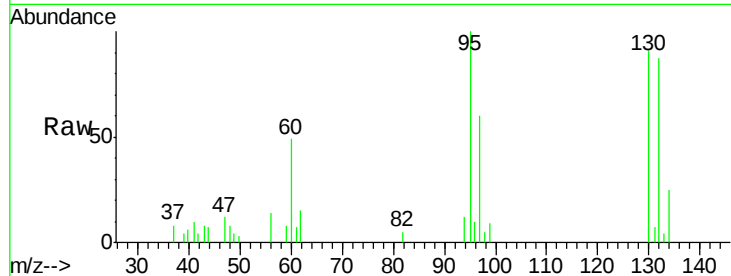
#34
 Trichloroethene
 Concen: 3.135 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Instrument :
 MSVOA_U
 ClientSampled :
 C0DF7

Tot Ion:	95	Resp:	6530
Ion	Ratio	Lower	Upper
95	100		
97	59.8	44.1	81.9
132	87.1	60.6	112.6
130	90.7	64.9	120.5

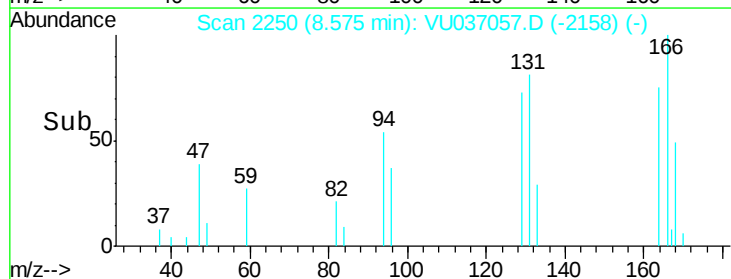
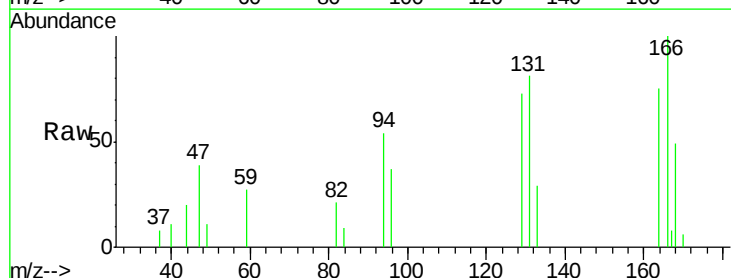
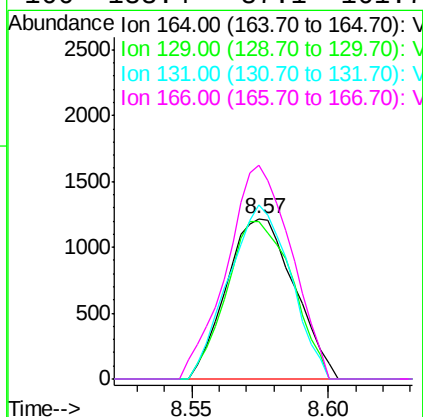
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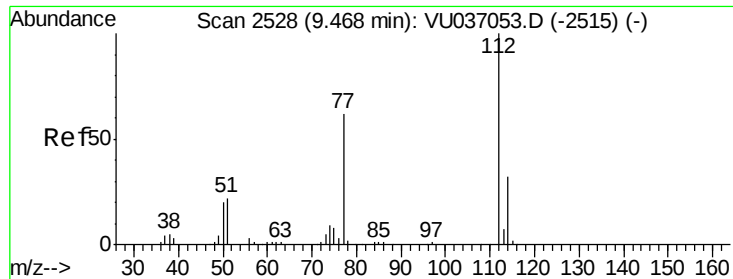
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#46
 Tetrachloroethene
 Concen: 1.538 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion:	164	Resp:	2110
Ion	Ratio	Lower	Upper
164	100		
129	97.9	72.0	133.8
131	108.4	67.9	126.1
166	133.4	87.1	161.7





#51

Chlorobenzene

Concen: 4162.200 ug/L m

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampled :

C0DF7

Tot Ion:112 Resp:22265080

Ion Ratio Lower Upper

112 100

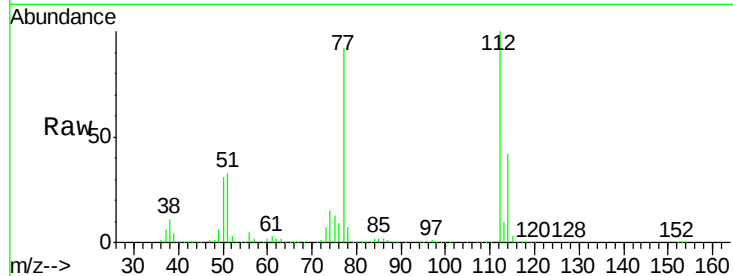
114 42.0 22.3 41.5#

77 91.7 50.1 75.1#

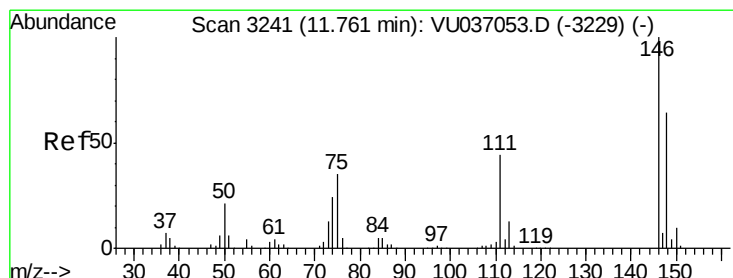
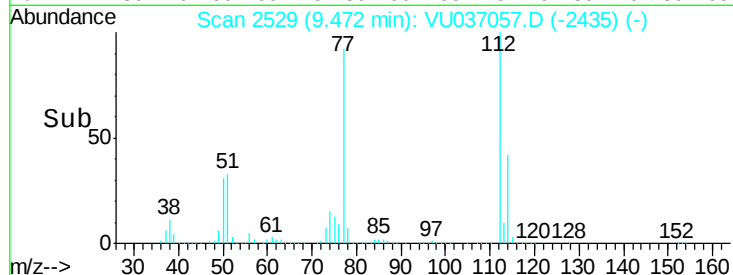
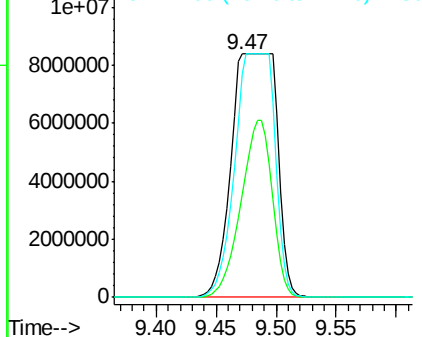
Manual Integrations
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Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#62

1,3-Dichlorobenzene

Concen: 878.420 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

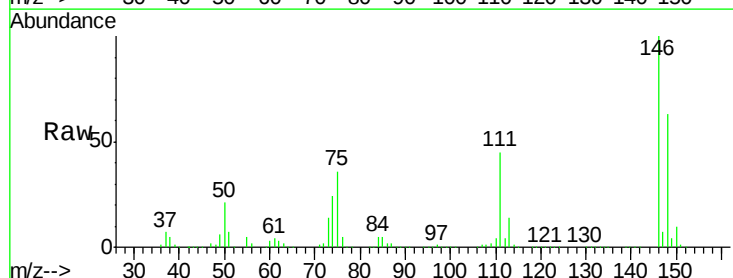
Tgt Ion:146 Resp: 3798957

Ion Ratio Lower Upper

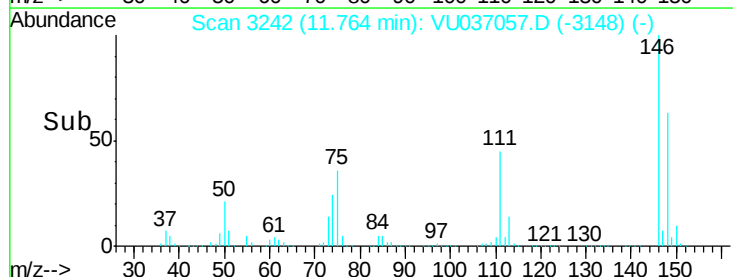
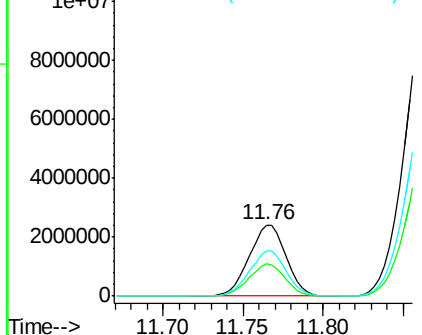
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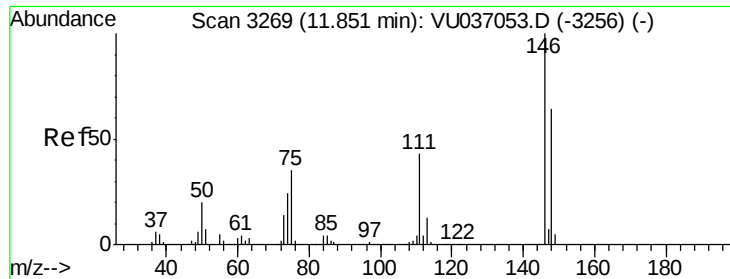
111 44.9 30.7 56.9

148 63.1 44.2 82.2



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





#63

1,4-Dichlorobenzene

Concen: 4012.696 ug/L m

RT: 11.86 min Scan# 3272

Delta R.T. 0.01 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

Instrument :

MSVOA_U

ClientSampled :

C0DF7

Tot Ion:146 Resp:17145437

Ion Ratio Lower Upper

146 100

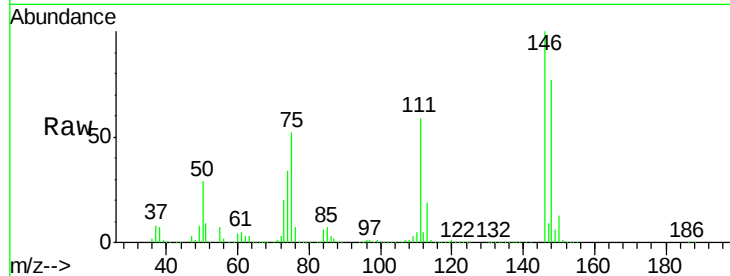
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148 77.2 45.1 83.9

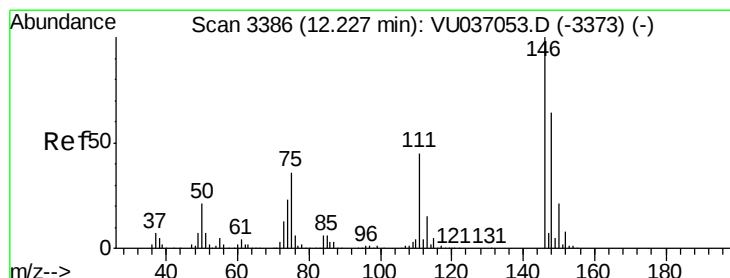
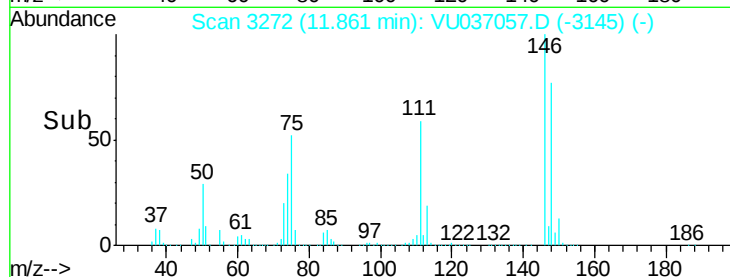
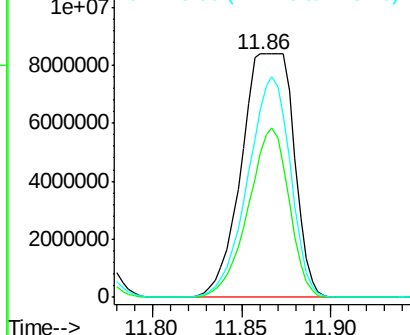
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 4280.574 ug/L m

RT: 12.24 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VU037057.D

Acq: 04 Mar 2020 23:17

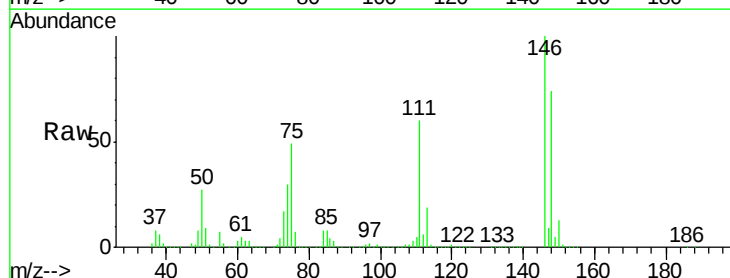
Tgt Ion:146 Resp:18484104

Ion Ratio Lower Upper

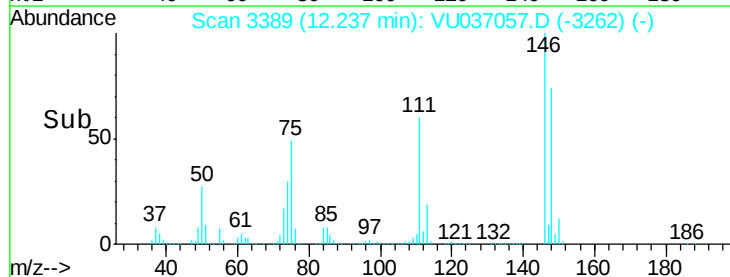
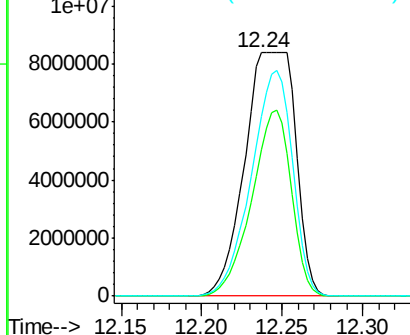
146 100

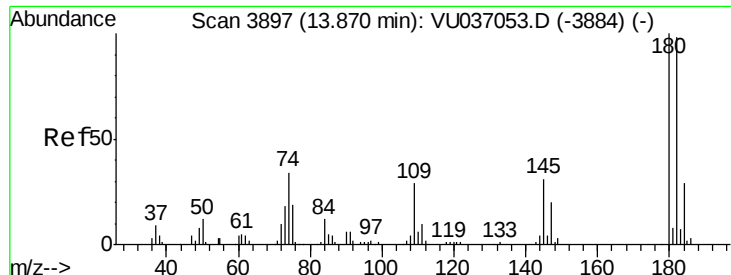
111 60.0 35.4 53.0#

148 73.7 50.5 75.7



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





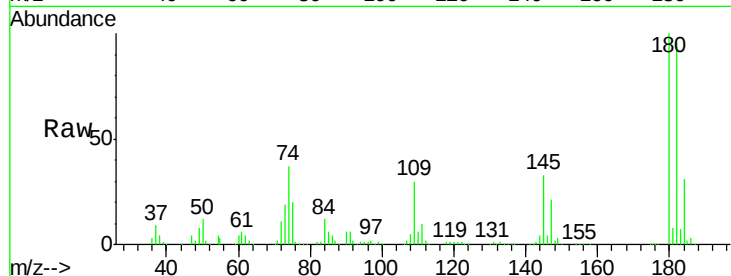
#68
 1,2,4-trichlorobenzene
 Concen: 434.863 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DF7

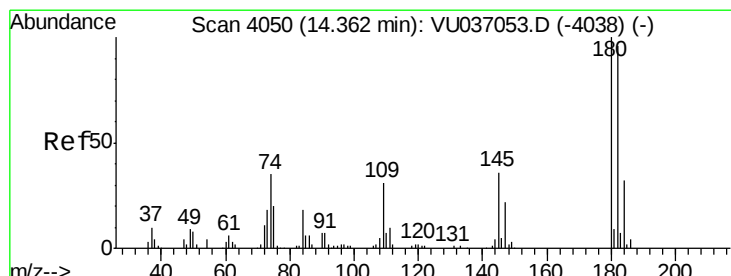
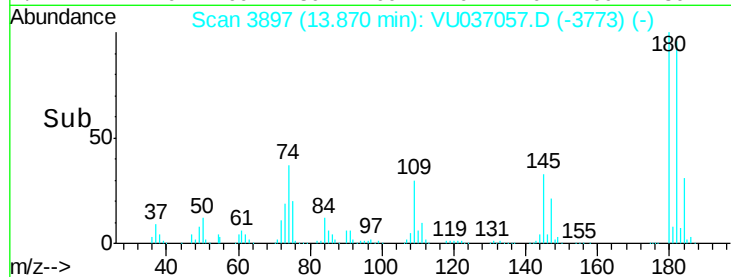
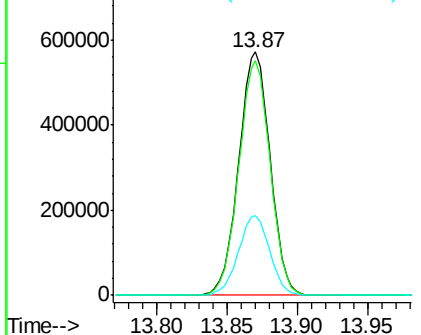
Tot Ion	Ratio	Resp	Lower	Upper
180	100	894370		
182	96.0	75.3	112.9	
145	32.6	26.2	39.4	

Manual Integrations
 APPROVED

sam
 3/5/2020 3:34:34 PM

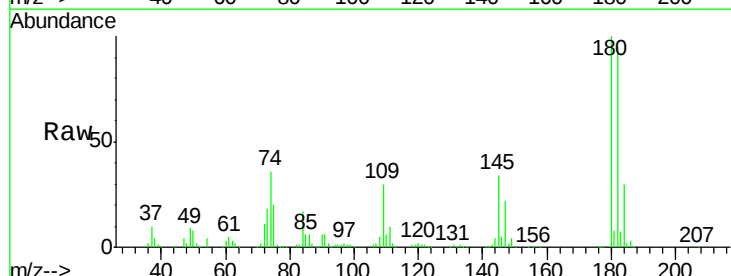


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 166.211 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VU037057.D
 Acq: 04 Mar 2020 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	341603		
182	94.6	77.0	115.6	
145	34.0	28.1	42.1	



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

