

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037880.D
 Acq On : 24 Apr 2020 18:41
 Operator : JC/MD
 Sample : L2395-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D99

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 12:02:25 PM

Quant Time: Apr 25 04:10:27 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 25 01:13:34 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	589760	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	583818	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	209563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	238798	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.93	69	198500	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.60	63	3828082	458.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	917.92%#
21) 2-Butanone-d5	4.67	46	418040	102.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.39%
24) Chloroform-d	5.10	84	376708	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
26) 1,2-Dichloroethane-d4	5.74	65	266632	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.76	84	816511	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.92%
36) 1,2-Dichloropropane-d6	6.73	67	276145	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.92	98	752121	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%
43) trans-1,3-Dichloropropene-	8.20	79	142051	49.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.96%
47) 2-Hexanone-d5	8.65	63	335359	111.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.56%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	265465	34.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.10%
64) 1,2-Dichlorobenzene-d4	12.20	152	218878	53.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.36%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	19044	3.255 ug/L #	50
12) 1,1-Dichloroethene	2.60	96	6041102	1687.222 ug/L #	70
13) Acetone	2.66	43	7892	3.240 ug/L	92
16) Methylene chloride	3.08	84	2059966	484.178 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	16357	4.086 ug/L	96
19) 1,1-Dichloroethane	3.91	63	304045	37.676 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	3207570	731.761 ug/L	100
25) Chloroform	5.13	83	31063	4.114 ug/L	96
27) 1,2-Dichloroethane	5.83	62	31136	4.814 ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	6207336	952.050 ug/L	99
34) Trichloroethene	6.57	95	36241168m	8337.938 ug/L	
42) Toluene	7.99	91	131842	7.096 ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	120548	28.552 ug/L	98
46) Tetrachloroethene	8.58	164	6904	2.173 ug/L	91
52) Ethylbenzene	9.59	91	220784	10.612 ug/L	100
53) m,p-Xylene	9.71	106	96340	12.299 ug/L	100
54) o-xylene	10.11	106	133103	17.374 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

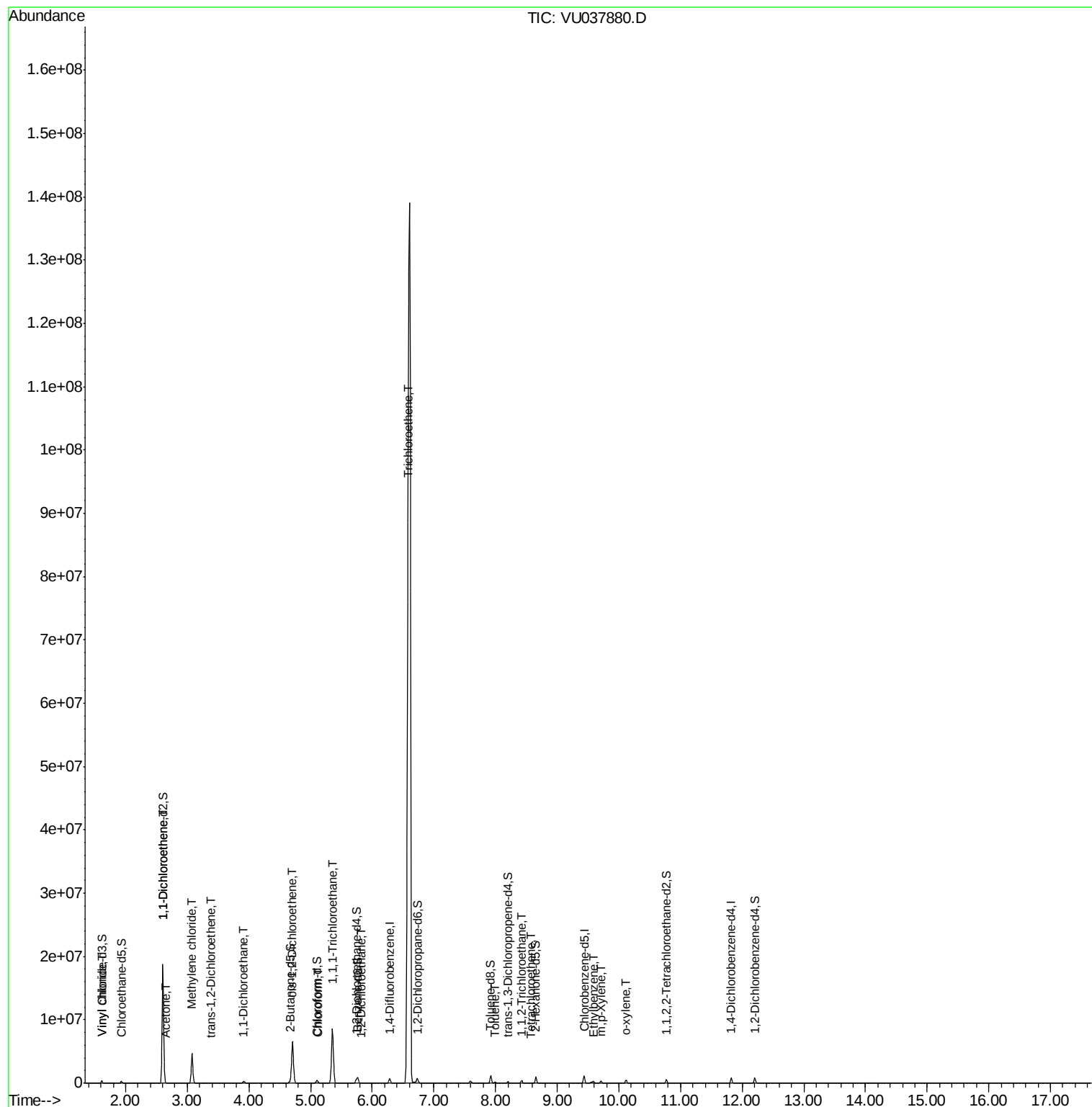
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042420\
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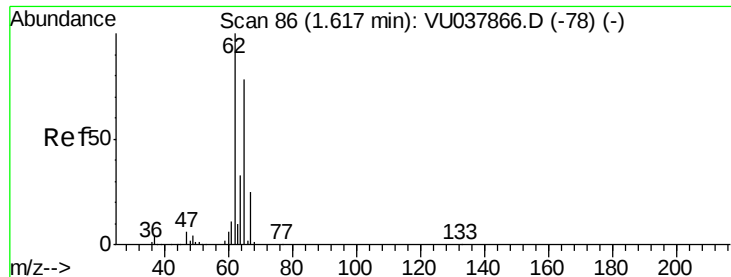
Instrument :
MSVOA_U
ClientSampleId :
C0D99

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#5

Vinyl chloride

Concen: 3.255 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

C0D99

Tot Ion: 62 Resp: 19044

Ion Ratio Lower Upper

62 100

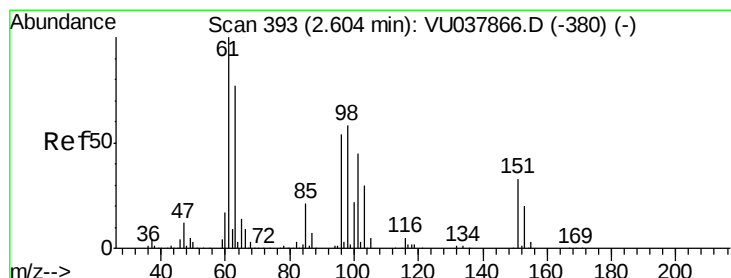
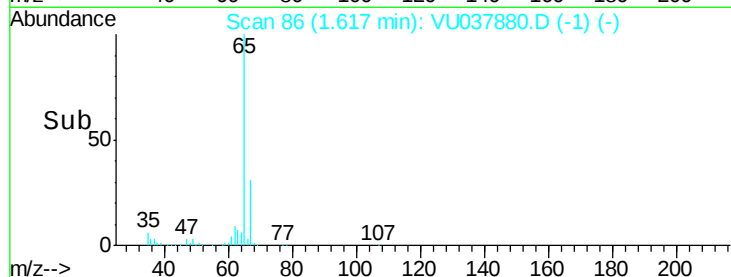
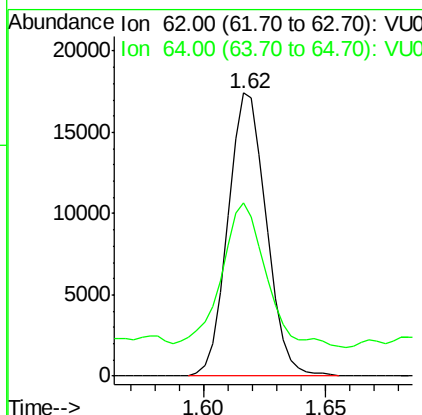
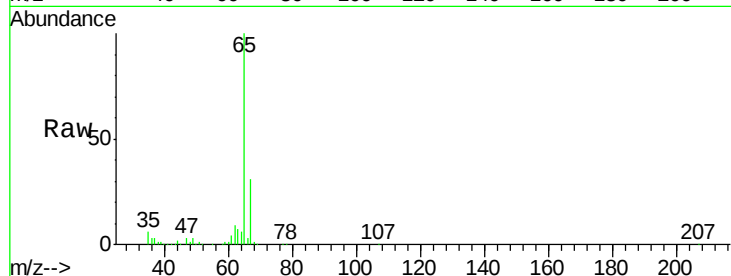
64 61.4 23.2 43.0#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 1687.222 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

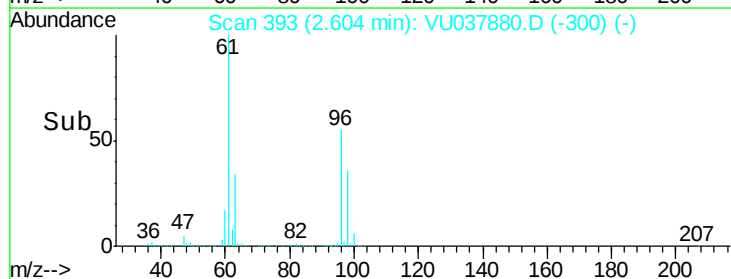
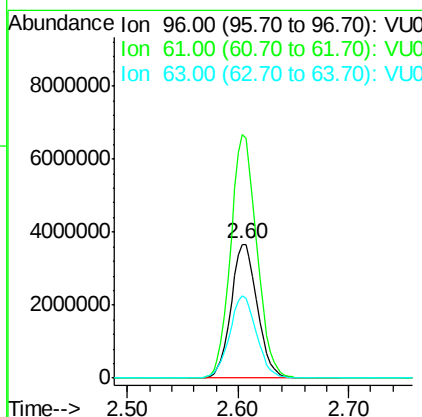
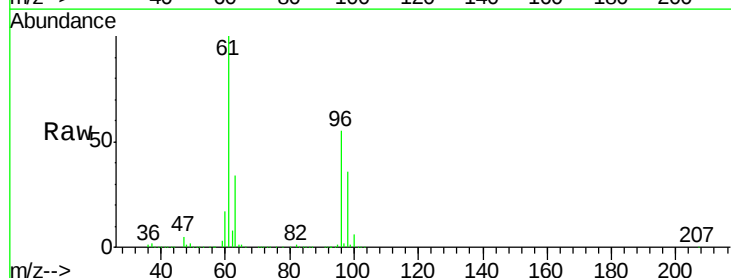
Tgt Ion: 96 Resp: 6041102

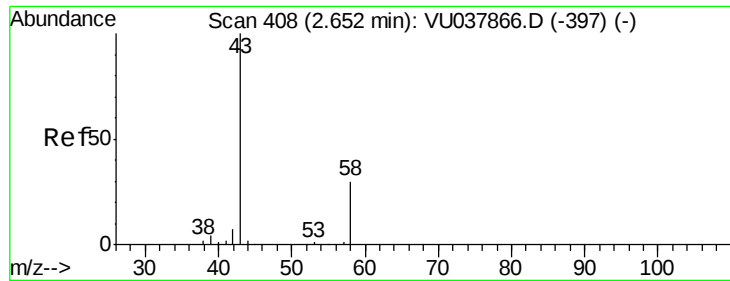
Ion Ratio Lower Upper

96 100

61 181.5 134.1 249.0

63 61.6 96.5 179.1#





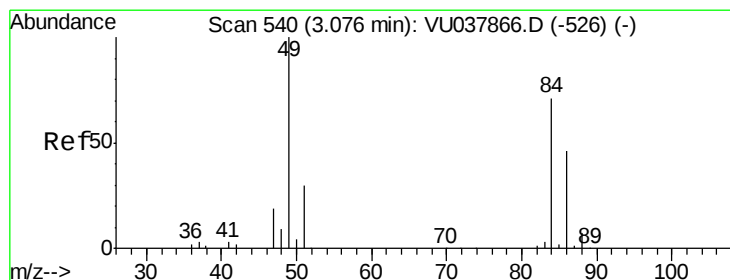
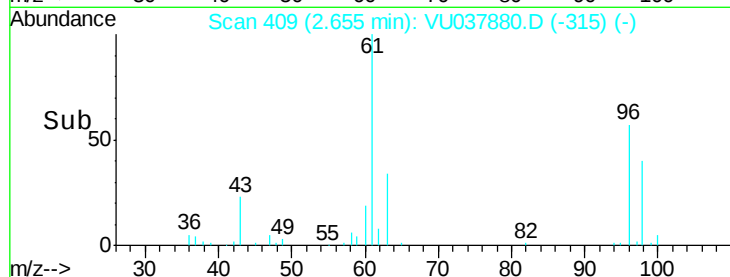
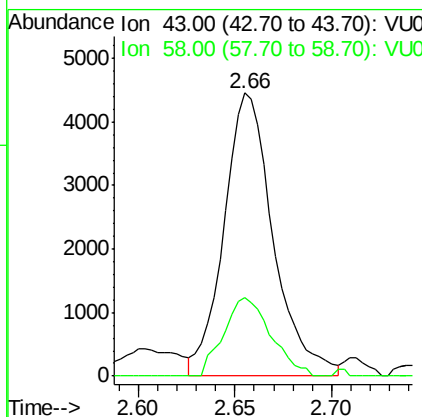
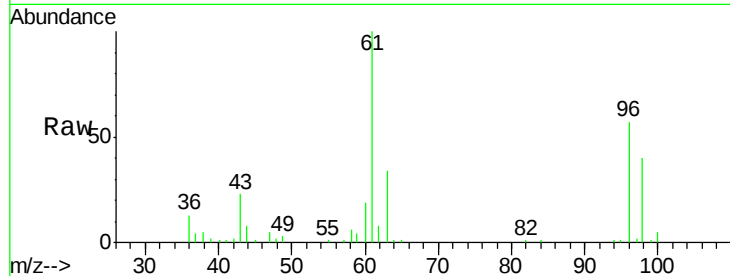
#13
Acetone
Concen: 3.240 ug/L
RT: 2.66 min Scan# 409
Delta R.T. 0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Instrument :
MSVOA_U
ClientSampleId :
C0D99

Tot Ion: 43 Resp: 7892
Ion Ratio Lower Upper
43 100
58 26.4 0.0 62.0

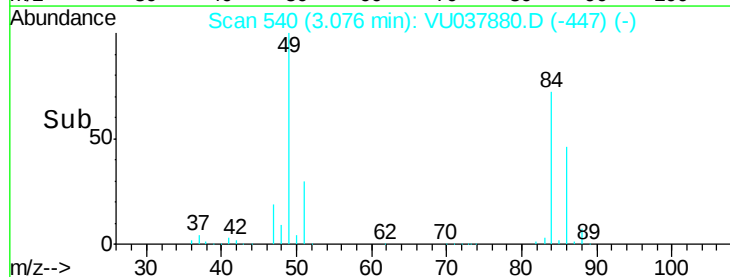
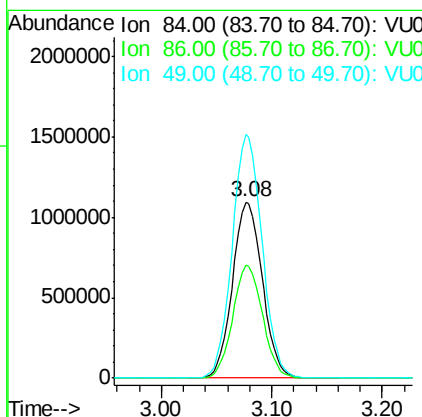
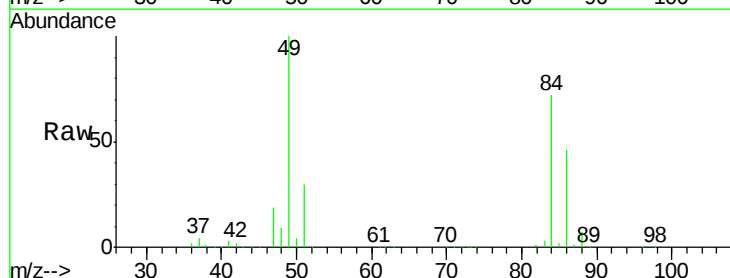
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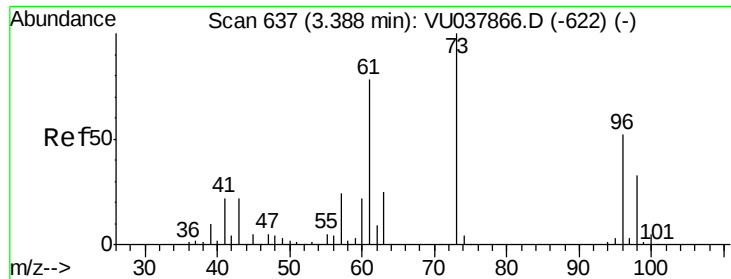
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#16
Methylene chloride
Concen: 484.178 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Tgt Ion: 84 Resp: 2059966
Ion Ratio Lower Upper
84 100
86 64.2 43.5 80.7
49 138.4 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 4.086 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

ClientSampled :

C0D99

Tot Ion: 96 Resp: 16357

Ion Ratio Lower Upper

96 100

61 164.3 111.4 207.0

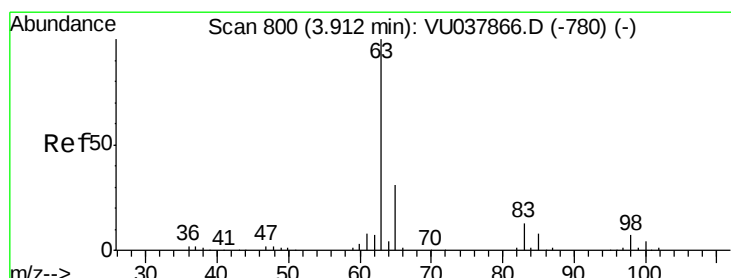
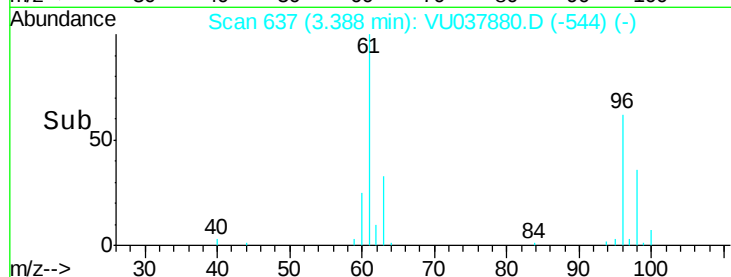
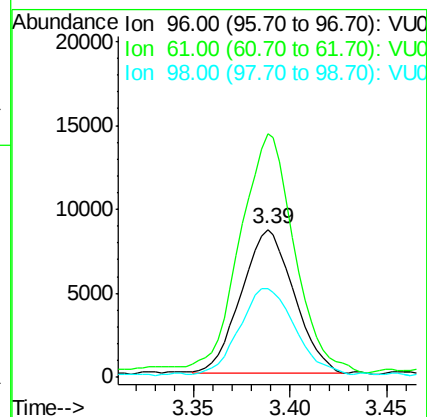
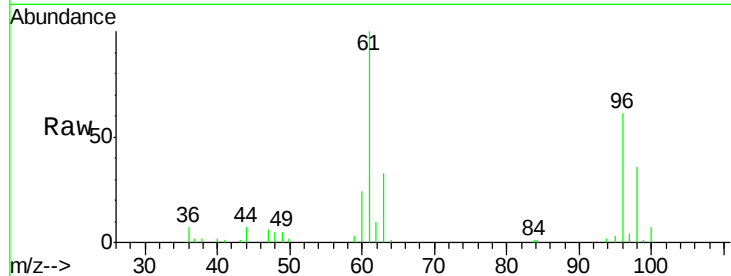
98 59.9 43.9 81.5

Manual Integrations

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#19

1,1-Dichloroethane

Concen: 37.676 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

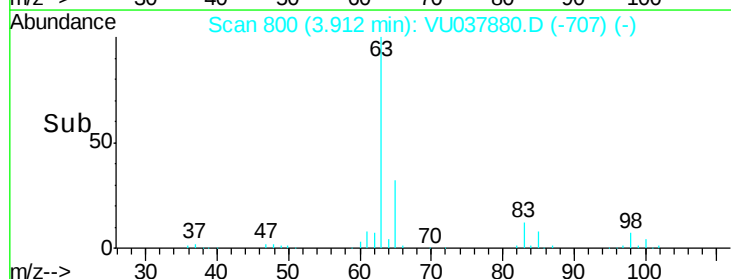
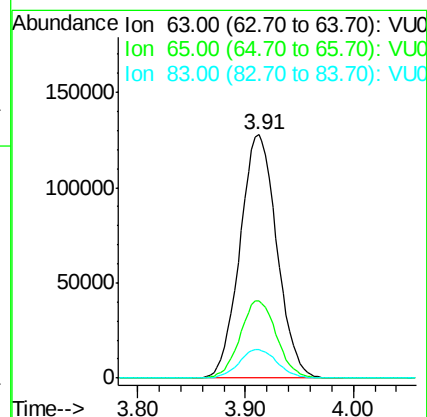
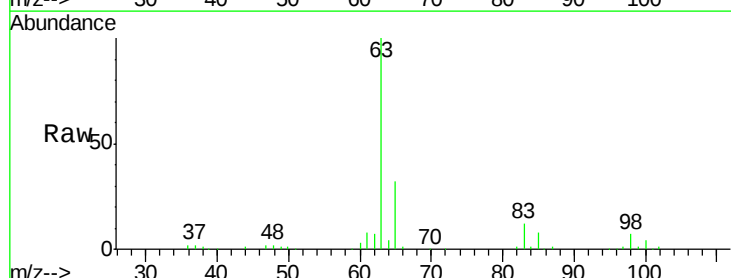
Tgt Ion: 63 Resp: 304045

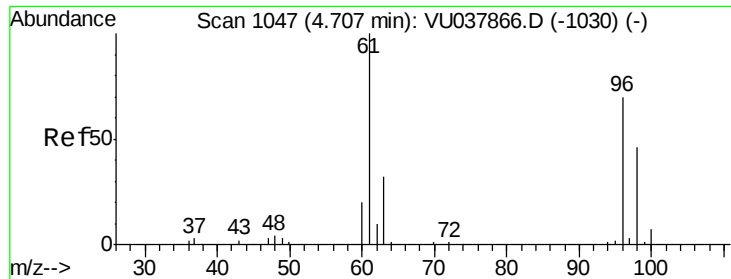
Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 11.6 8.6 16.0





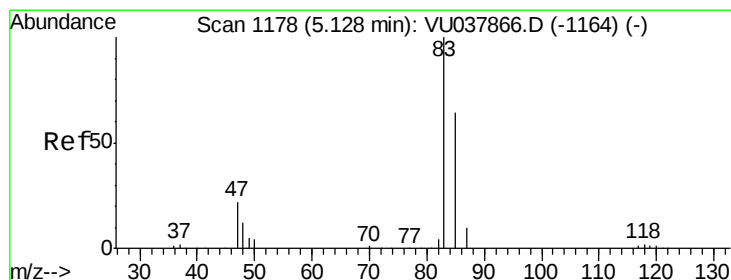
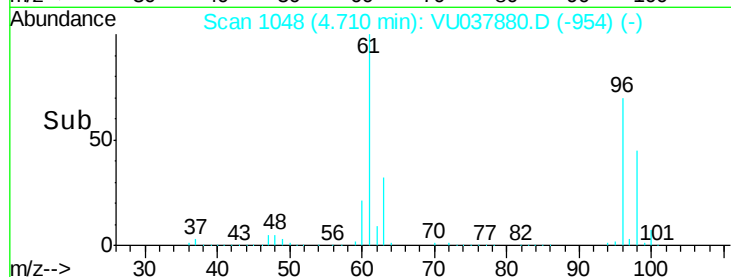
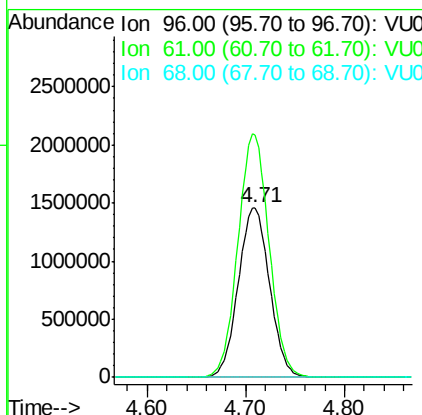
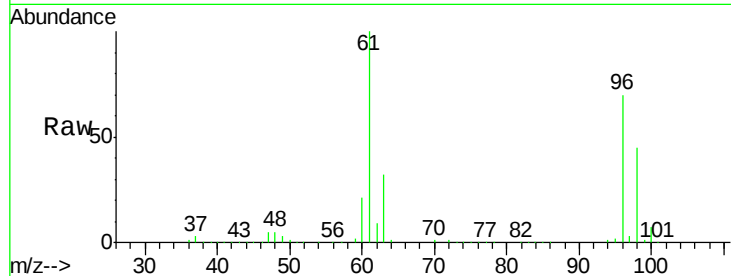
#20
 cis-1,2-Dichloroethene
 Concen: 731.761 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037880.D
 Acq: 24 Apr 2020 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D99

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	142.8	100.4	186.4	
68	0.0	0.0	0.0	

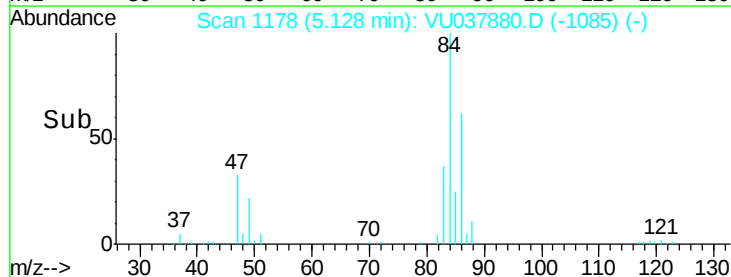
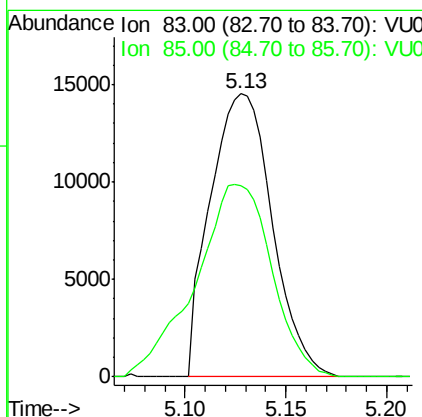
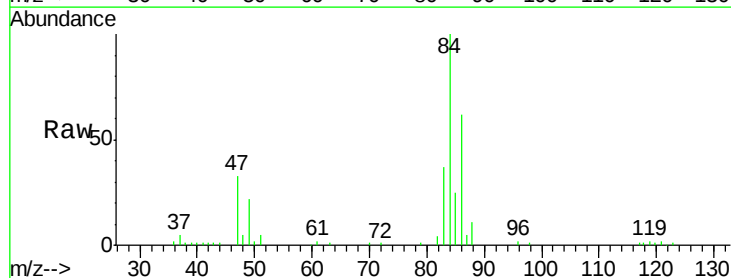
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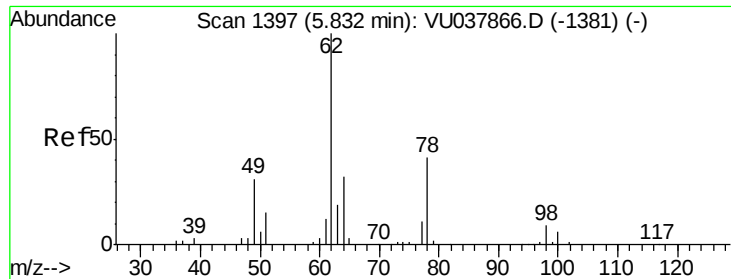
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#25
 Chloroform
 Concen: 4.114 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037880.D
 Acq: 24 Apr 2020 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	67.4	45.1	83.9	





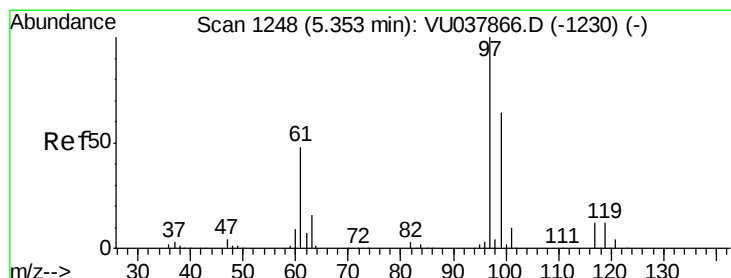
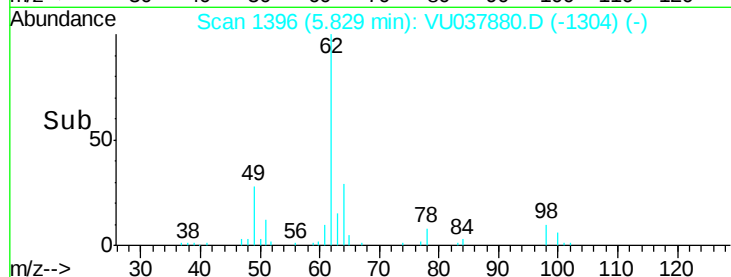
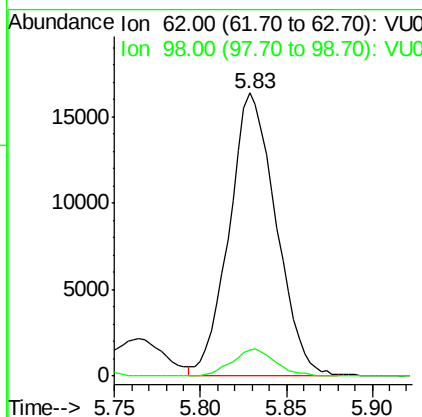
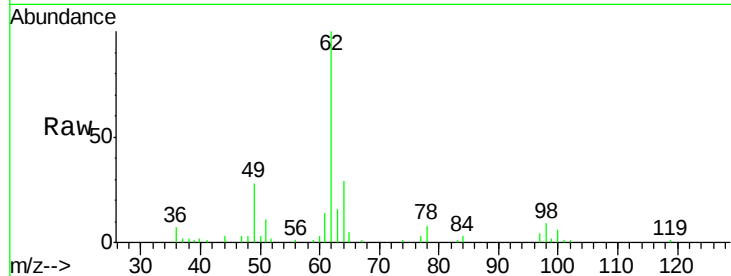
#27
 1,2-Dichloroethane
 Concen: 4.814 ug/L
 RT: 5.83 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU037880.D
 Acq: 24 Apr 2020 18:41

Instrument :
 MSVOA_U
 ClientSampled :
 C0D99

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.3	10.9

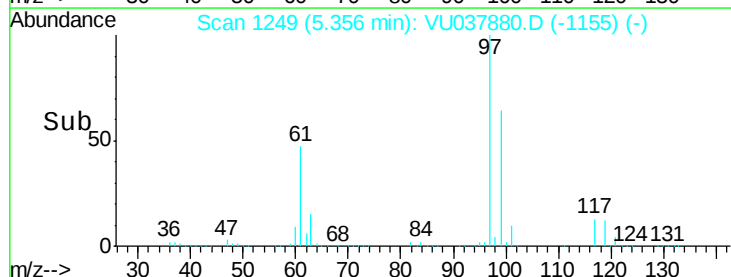
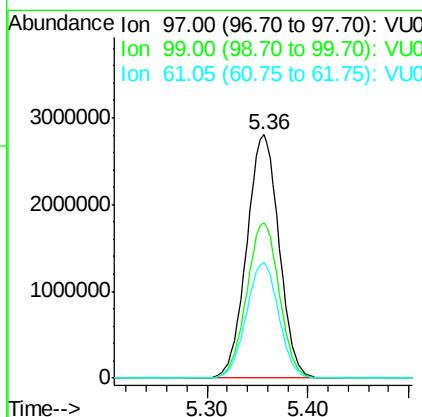
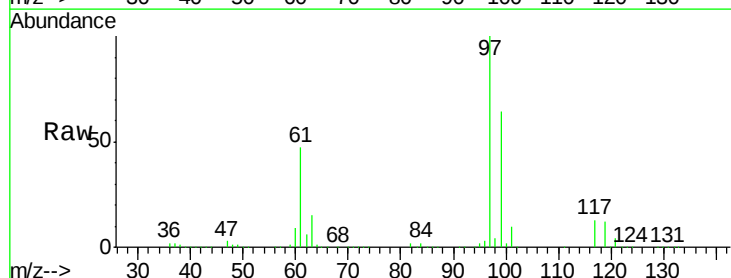
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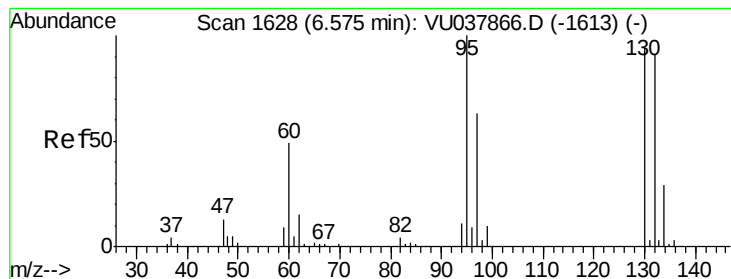
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#30
 1,1,1-Trichloroethane
 Concen: 952.050 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037880.D
 Acq: 24 Apr 2020 18:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	47.6	38.9	58.3





#34

Trichloroethene

Concen: 8337.938 ug/L m

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :

C0D99

Tot Ion: 95 Resp:36241168

Ion Ratio Lower Upper

95 100

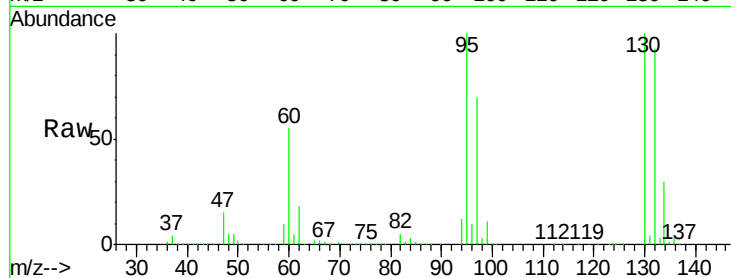
97 70.5 44.4 82.5

132 93.2 65.0 120.6

130 100.0 65.5 121.7

Manual Integrations
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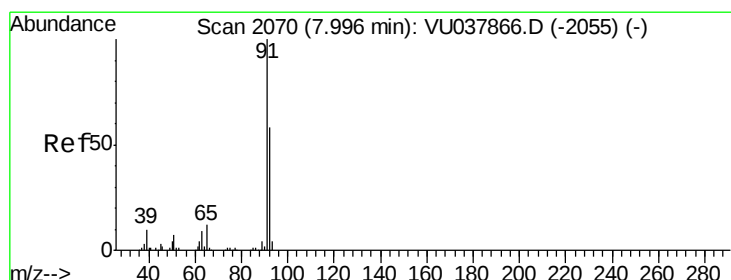
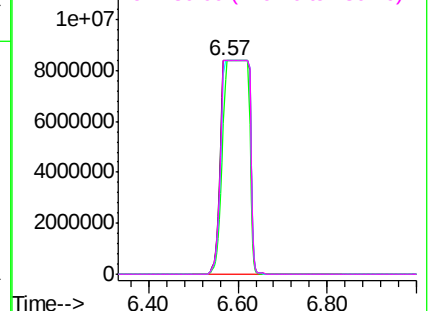
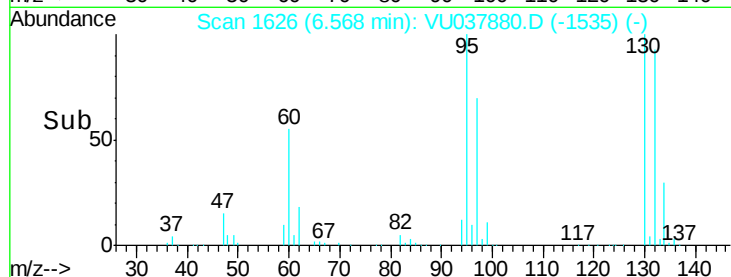


Abundance Ion 95.00 (94.70 to 95.70): VU037866.D (-1613) (-)

Ion 97.00 (96.70 to 97.70): VU037866.D (-1613) (-)

Ion 132.00 (131.70 to 132.70): VU037866.D (-1613) (-)

Ion 130.00 (129.70 to 130.70): VU037866.D (-1613) (-)



#42

Toluene

Concen: 7.096 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037880.D

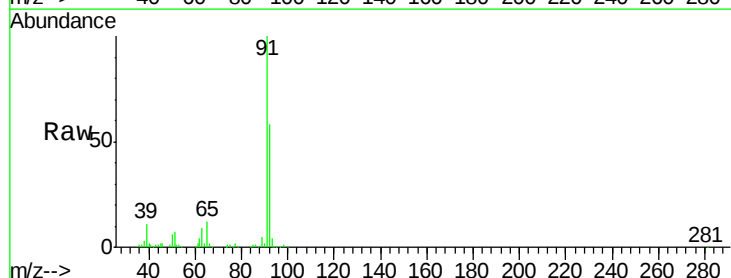
Acq: 24 Apr 2020 18:41

Tgt Ion: 91 Resp: 131842

Ion Ratio Lower Upper

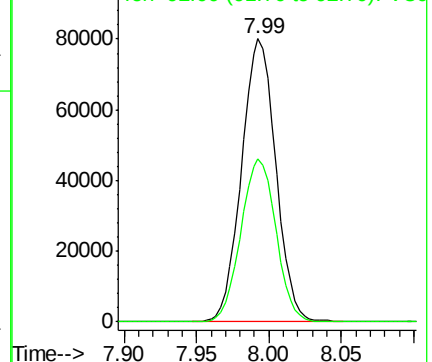
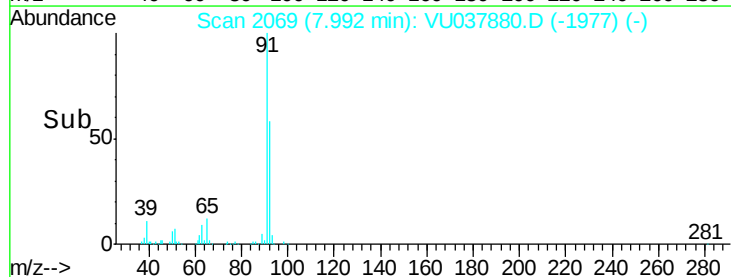
91 100

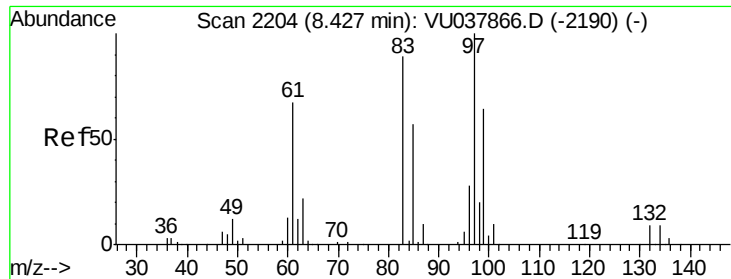
92 57.5 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037866.D (-2055) (-)

Ion 92.00 (91.70 to 92.70): VU037866.D (-2055) (-)





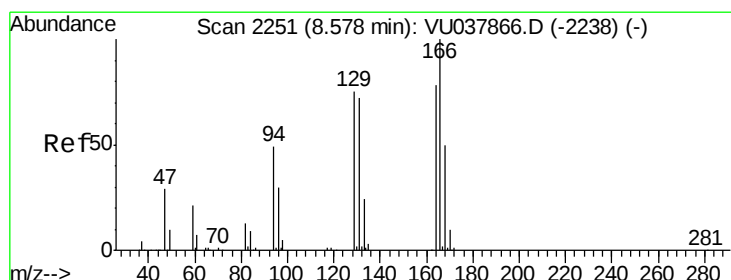
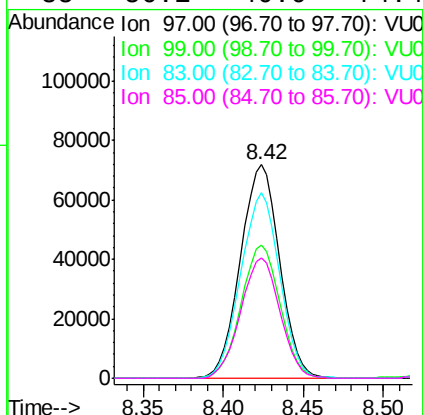
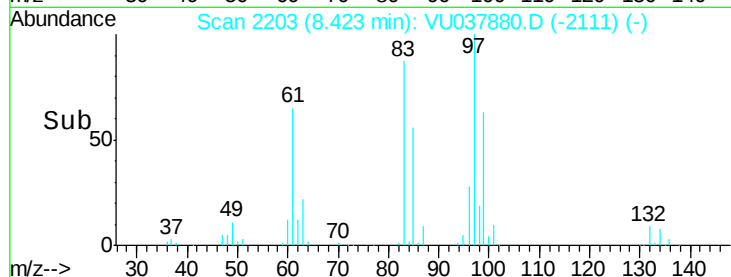
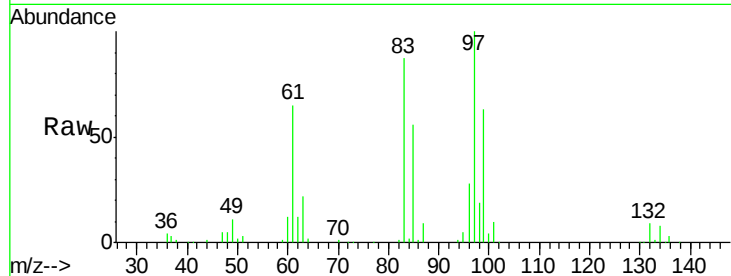
#45
1,1,2-Trichloroethane
Concen: 28.552 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Instrument :
MSVOA_U
ClientSampled :
C0D99

Tot Ion	97	Resp	120548
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.0	81.6
83	86.6	62.6	116.2
85	56.1	40.0	74.4

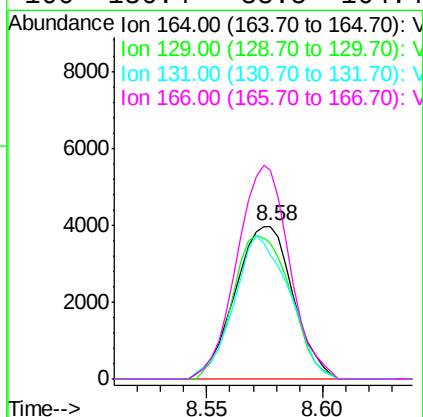
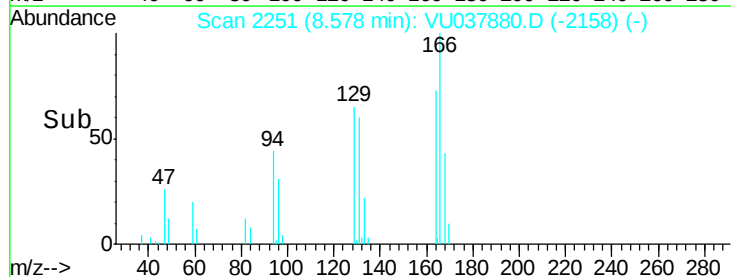
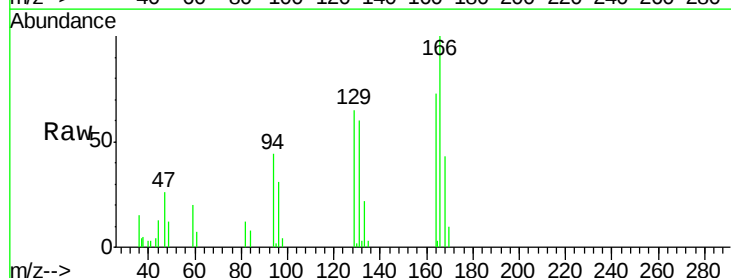
Manual Integrations
APPROVED

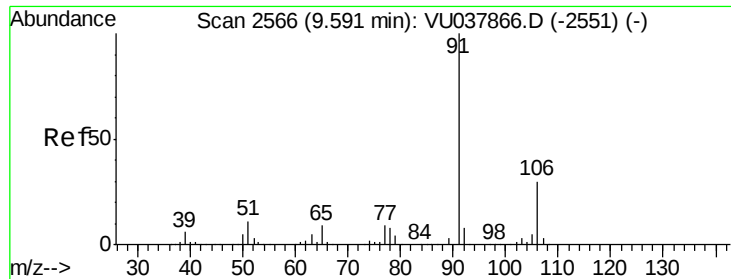
MMDadoda
4/28/2020 12:02:25 PM



#46
Tetrachloroethene
Concen: 2.173 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Tgt Ion	164	Resp	6904
Ion	Ratio	Lower	Upper
164	100		
129	88.9	67.3	125.1
131	81.2	64.8	120.4
166	136.4	88.5	164.4





#52

Ethylbenzene

Concen: 10.612 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

ClientSampled :

C0D99

Tot Ion: 91 Resp: 220784

Ion Ratio Lower Upper

91 100

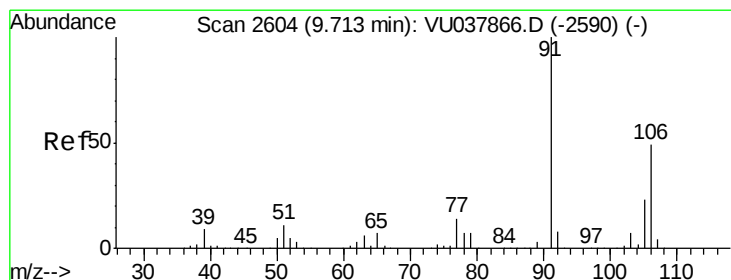
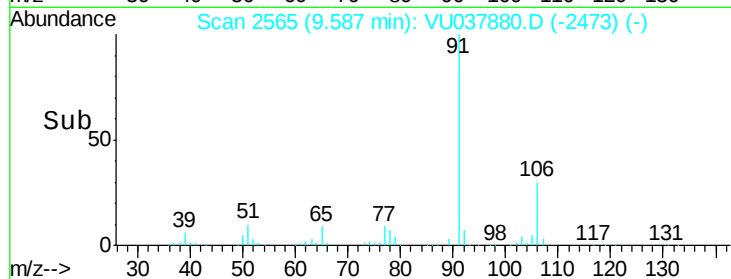
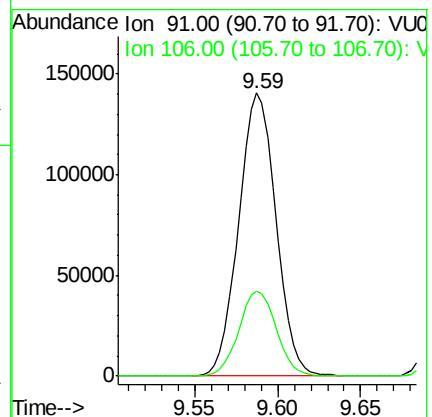
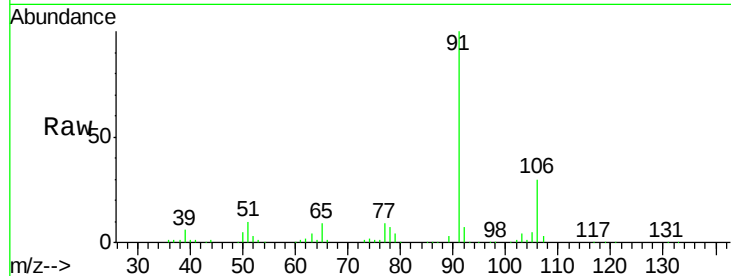
106 30.3 21.1 39.1

Manual Integrations

APPROVED

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4/28/2020 12:02:25 PM



#53

m,p-Xylene

Concen: 12.299 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037880.D

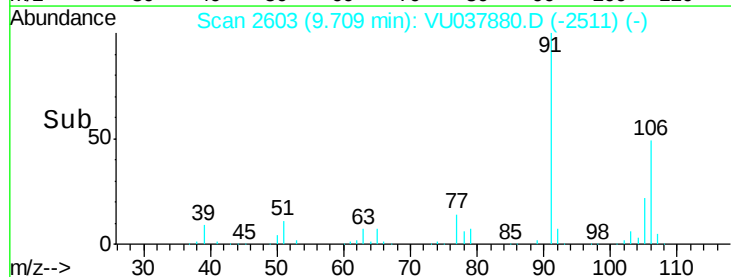
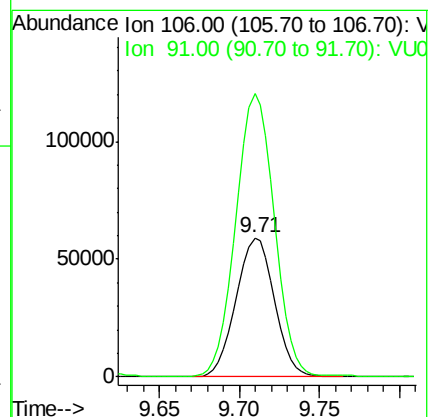
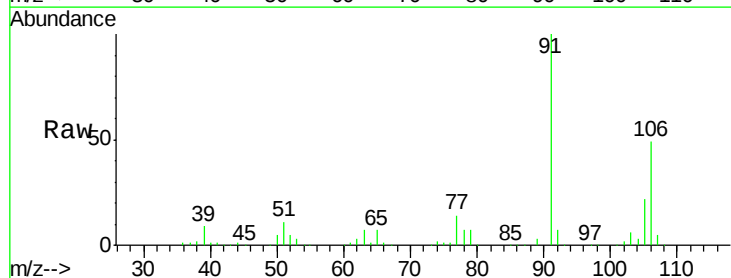
Acq: 24 Apr 2020 18:41

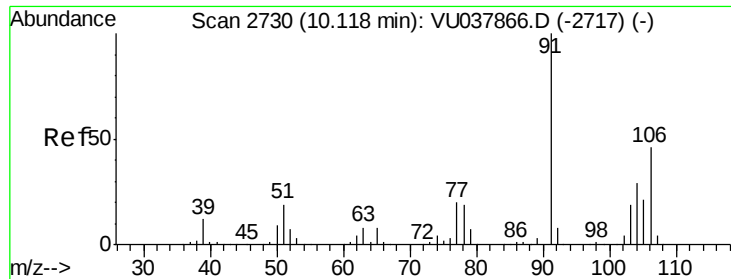
Tgt Ion: 106 Resp: 96340

Ion Ratio Lower Upper

106 100

91 203.4 142.8 265.2





#54
 o-xylene
 Concen: 17.374 ug/L
 RT: 10.11 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VU037880.D
 Acq: 24 Apr 2020 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D99

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.0	150.6	279.6		

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 12:02:25 PM

