

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037868.D
 Acq On : 24 Apr 2020 14:09
 Operator : JC/MD
 Sample : L2395-02 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0D87

Quant Time: Apr 25 01:32:17 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	668872	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	531446	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	319034	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	201374	34.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.92%
7) Chloroethane-d5	1.93	69	158950	35.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.18%
11) 1,1-Dichloroethene-d2	2.59	63	381205	40.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.60%
21) 2-Butanone-d5	4.66	46	314072	67.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.82%
24) Chloroform-d	5.10	84	305916	34.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.74%#
26) 1,2-Dichloroethane-d4	5.74	65	216494	35.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.24%
32) Benzene-d6	5.76	84	656261	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.34%
36) 1,2-Dichloropropane-d6	6.72	67	217466	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.52%
41) Toluene-d8	7.92	98	598467	43.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.66%
43) trans-1,3-Dichloropropene-	8.20	79	112237	43.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.76%
47) 2-Hexanone-d5	8.66	63	233371	85.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.29%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	237333	33.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	67.86%
64) 1,2-Dichlorobenzene-d4	12.21	152	221085	35.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.22%#

Target Compounds

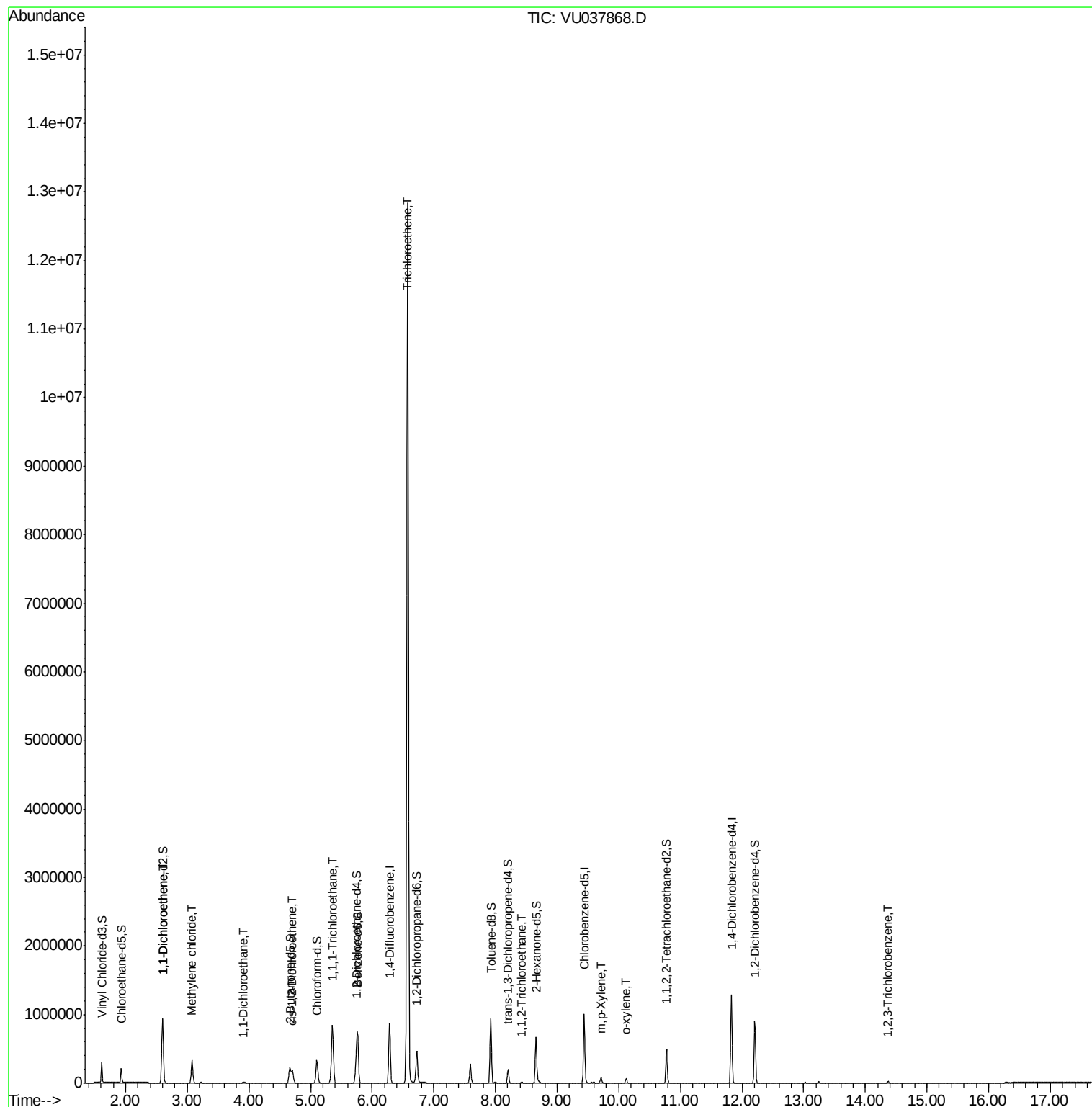
					Ovalue
12) 1,1-Dichloroethene	2.60	96	229679	56.560 ug/L	90
16) Methylene chloride	3.08	84	146585	30.379 ug/L	98
19) 1,1-Dichloroethane	3.91	63	18035	1.970 ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	82187	16.532 ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	606986	102.271 ug/L	100
34) Trichloroethene	6.57	95	4328079	1093.881 ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	4595	1.196 ug/L	90
53) m,p-Xylene	9.71	106	21593	3.028 ug/L	98
54) o-xylene	10.12	106	17515	2.512 ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	8583	1.231 ug/L	89

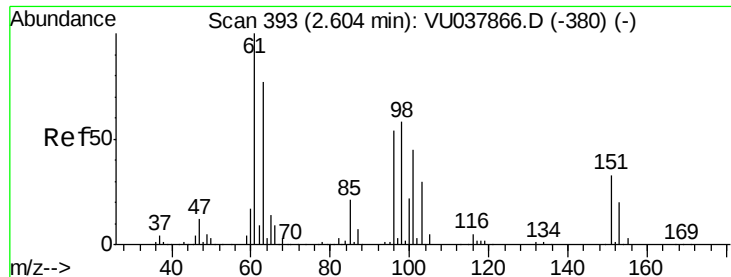
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 25 01:13:34 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 56.560 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

C0D87

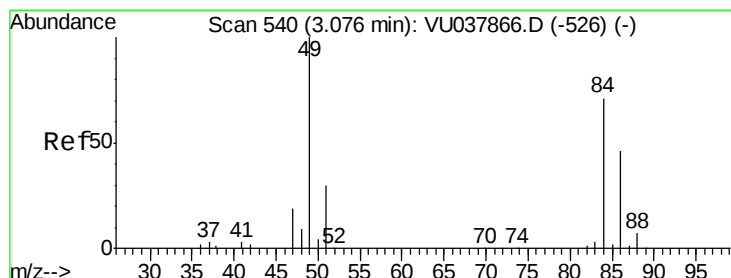
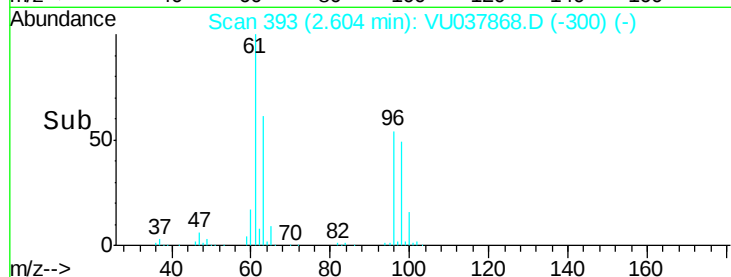
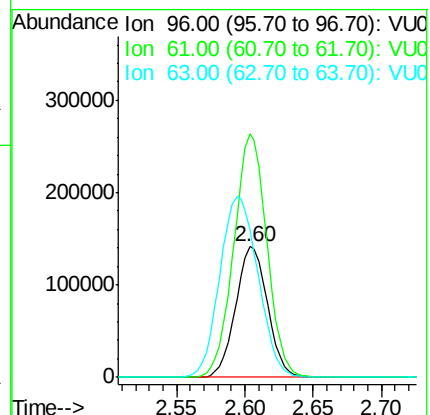
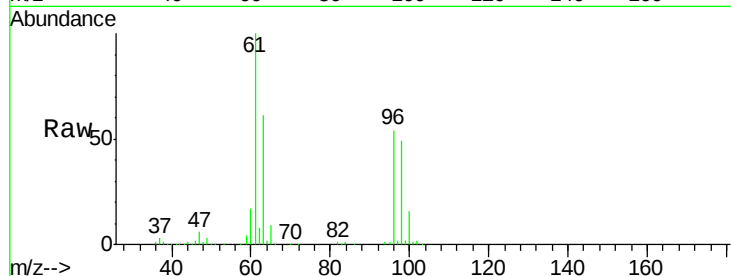
Tot Ion: 96 Resp: 229679

Ion Ratio Lower Upper

96 100

61 186.7 134.1 249.0

63 113.0 96.5 179.1



#16

Methylene chloride

Concen: 30.379 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

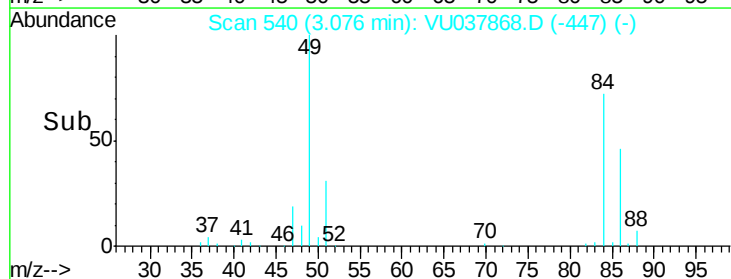
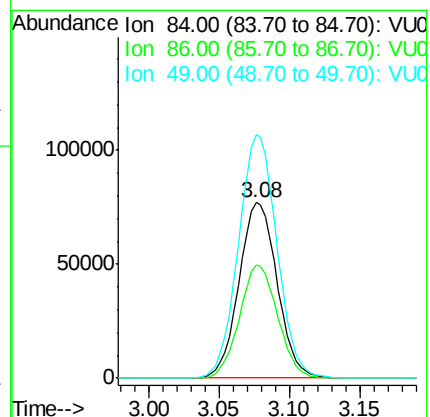
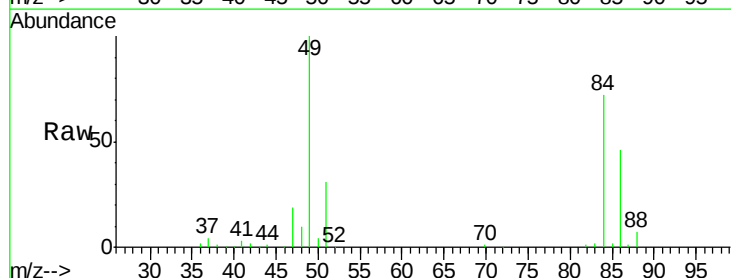
Tgt Ion: 84 Resp: 146585

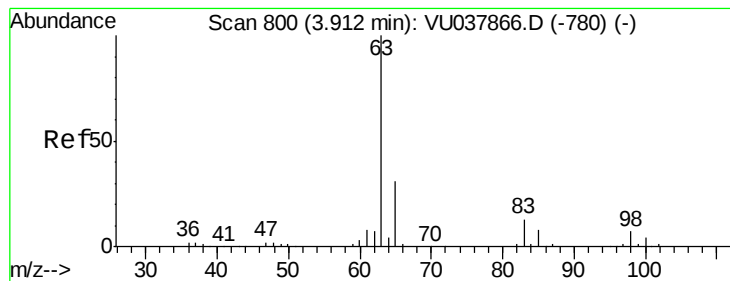
Ion Ratio Lower Upper

84 100

86 64.1 43.5 80.7

49 138.5 95.1 176.7





#19

1,1-Dichloroethane

Concen: 1.970 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

C0D87

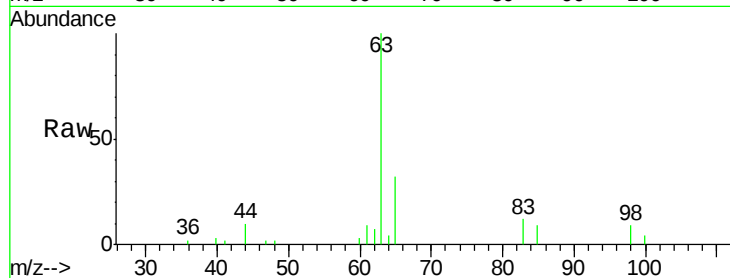
Tot Ion: 63 Resp: 18035

Ion Ratio Lower Upper

63 100

65 32.0 22.2 41.2

83 12.4 8.6 16.0

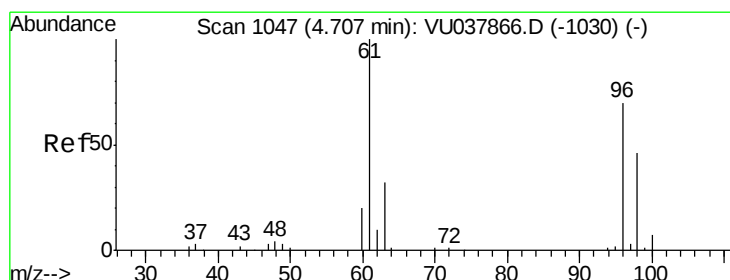
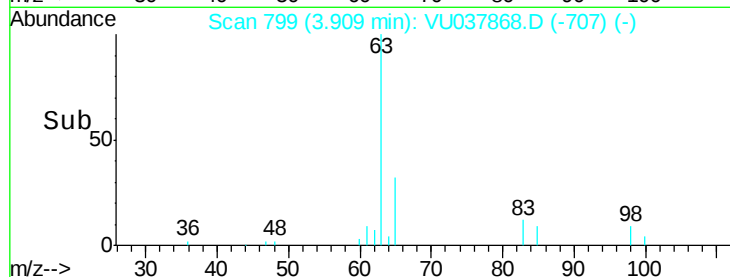


Abundance Ion 63.00 (62.70 to 63.70): VU037868.D (-799) (-)

Ion 65.00 (64.70 to 65.70): VU037868.D (-799) (-)

Ion 83.00 (82.70 to 83.70): VU037868.D (-799) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 16.532 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

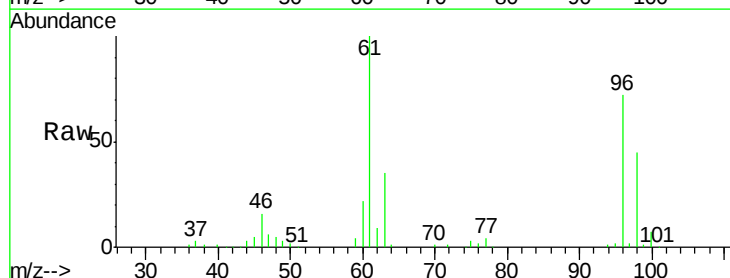
Tgt Ion: 96 Resp: 82187

Ion Ratio Lower Upper

96 100

61 139.1 100.4 186.4

68 0.0 0.0 0.0

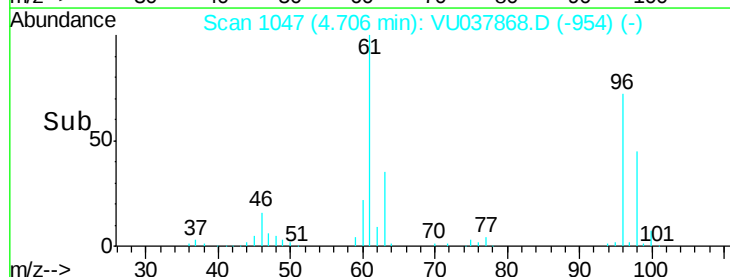


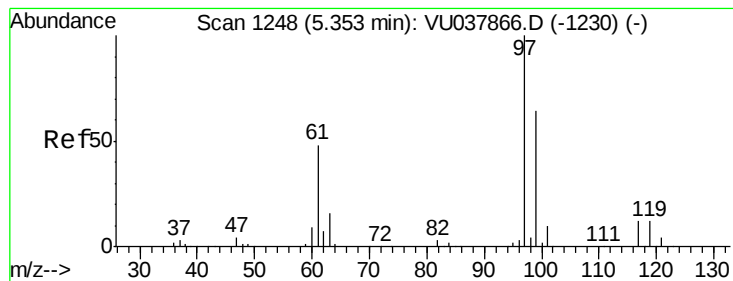
Abundance Ion 96.00 (95.70 to 96.70): VU037868.D (-1047) (-)

Ion 61.00 (60.70 to 61.70): VU037868.D (-1047) (-)

Ion 68.00 (67.70 to 68.70): VU037868.D (-1047) (-)

Time-->





#30

1,1,1-Trichloroethane

Concen: 102.271 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

C0D87

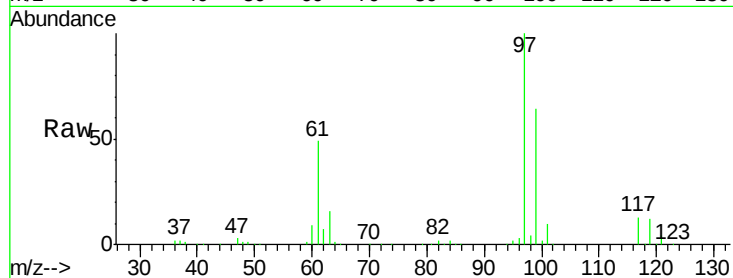
Tot Ion: 97 Resp: 606986

Ion Ratio Lower Upper

97 100

99 63.7 50.7 76.1

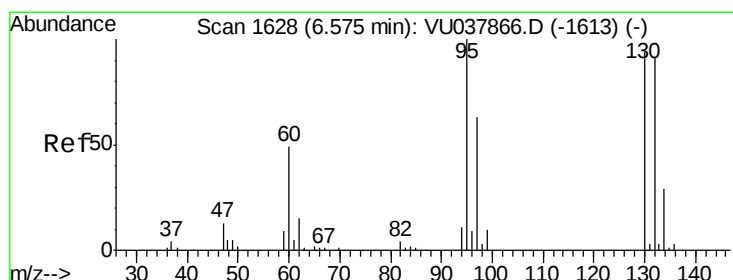
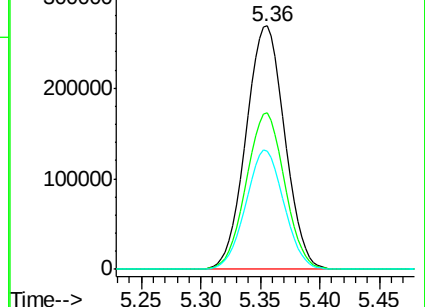
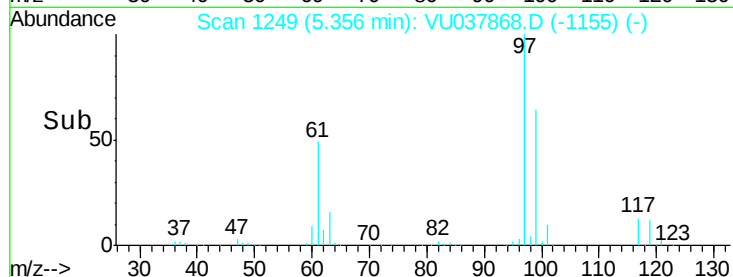
61 48.2 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU037866.D (-1230) (-)

Ion 99.00 (98.70 to 99.70): VU037866.D (-1230) (-)

Ion 61.05 (60.75 to 61.75): VU037866.D (-1230) (-)



#34

Trichloroethene

Concen: 1093.881 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

Tgt Ion: 95 Resp: 4328079

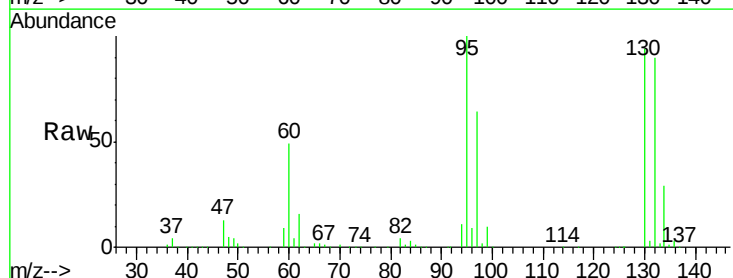
Ion Ratio Lower Upper

95 100

97 63.8 44.4 82.5

132 90.1 65.0 120.6

130 94.4 65.5 121.7

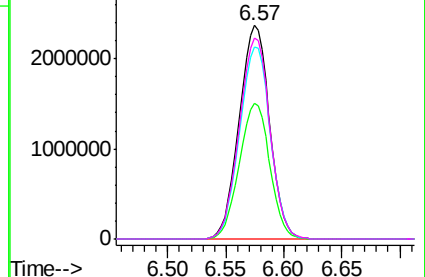
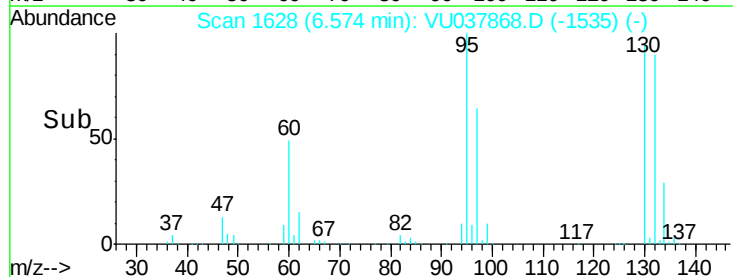


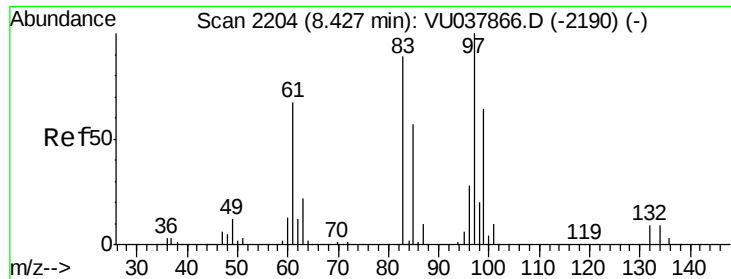
Abundance Ion 95.00 (94.70 to 95.70): VU037866.D (-1613) (-)

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) (-)

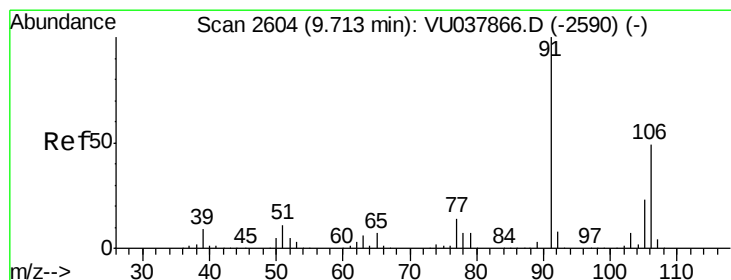
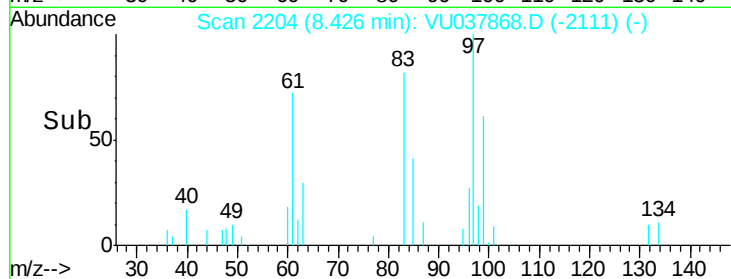
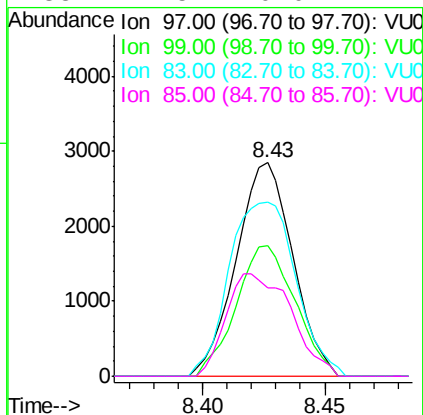
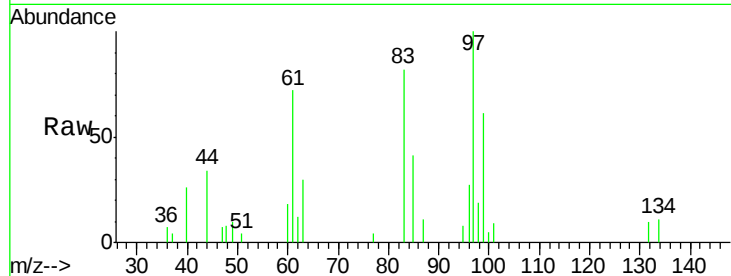




#45
 1,1,2-Trichloroethane
 Concen: 1.196 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037868.D
 Acq: 24 Apr 2020 14:09

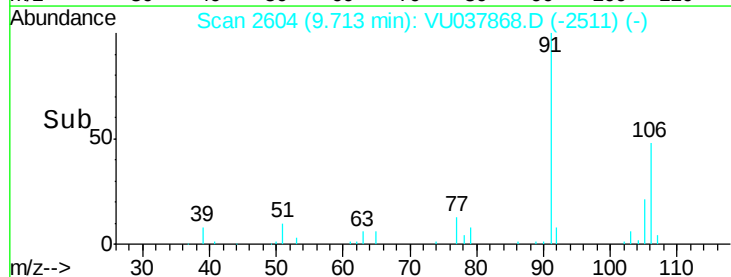
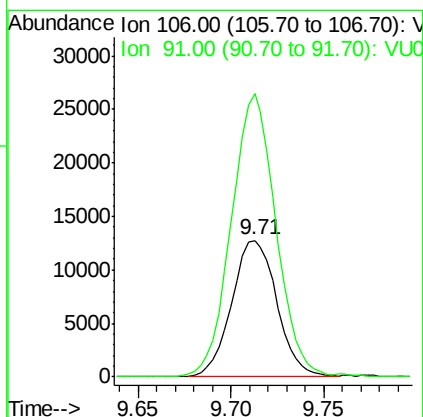
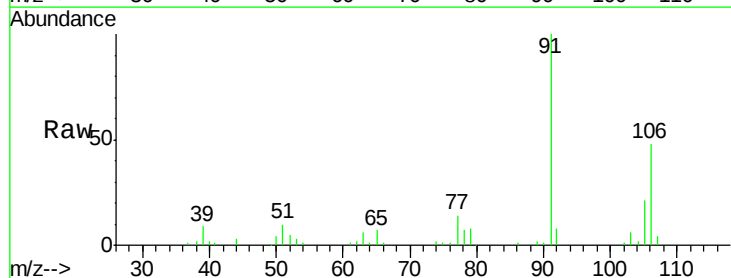
Instrument :
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 ClientSampleId :
 C0D87

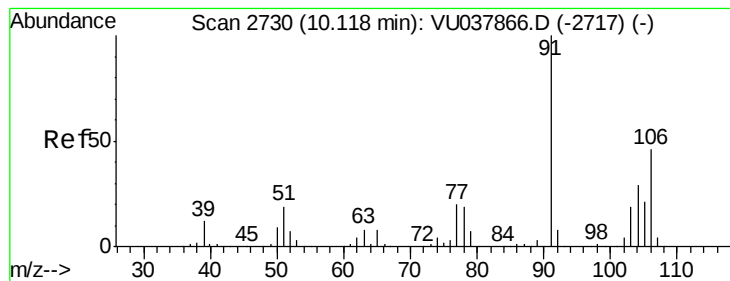
Tot Ion:	97	Resp:	4595
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.0	81.6
83	81.6	62.6	116.2
85	41.5	40.0	74.4



#53
 m,p-Xylene
 Concen: 3.028 ug/L
 RT: 9.71 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VU037868.D
 Acq: 24 Apr 2020 14:09

Tgt Ion:	106	Resp:	21593
Ion	Ratio	Lower	Upper
106	100		
91	207.3	142.8	265.2





#54

o-xylene

Concen: 2.512 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

Instrument :

MSVOA_U

ClientSampleId :

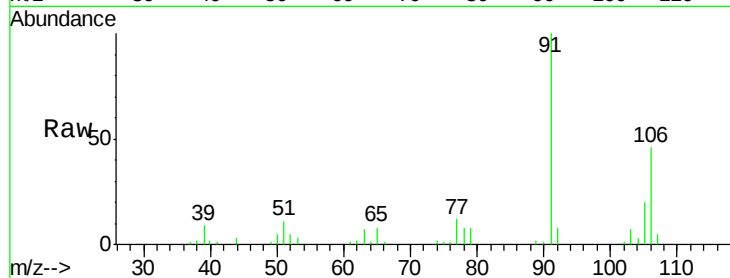
C0D87

Tot Ion:106 Resp: 17515

Ion Ratio Lower Upper

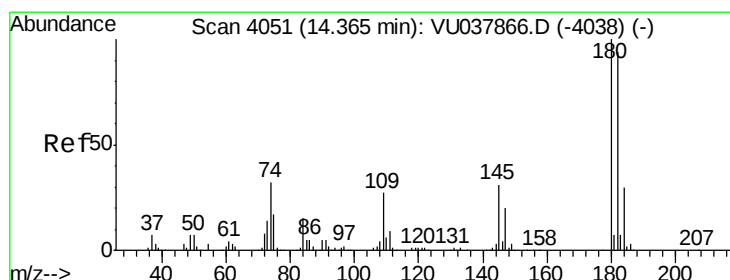
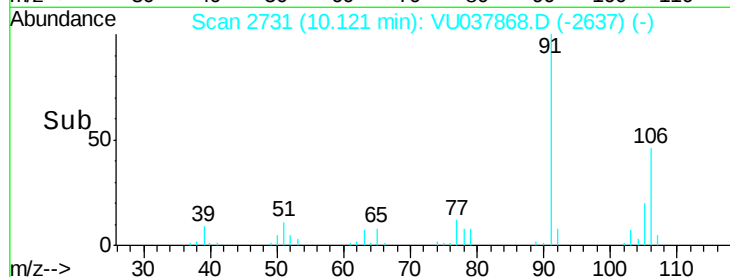
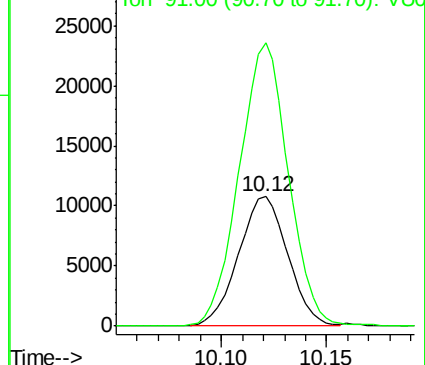
106 100

91 218.5 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#70

1,2,3-Trichlorobenzene

Concen: 1.231 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.00 min

Lab File: VU037868.D

Acq: 24 Apr 2020 14:09

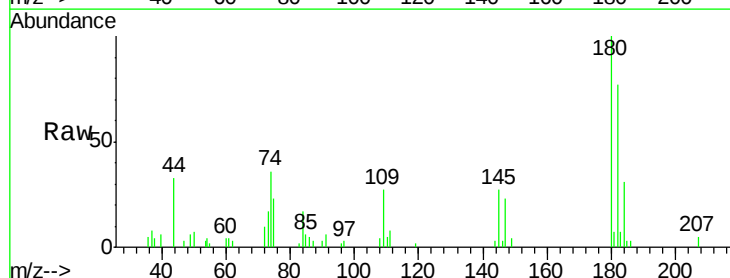
Tgt Ion:180 Resp: 8583

Ion Ratio Lower Upper

180 100

182 84.2 76.6 114.8

145 27.1 26.1 39.1



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

