

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 :

Quant Time: Apr 25 01:17:19 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
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	15655	4.318 ug/L #	33
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
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
49) Dibromochloromethane	8.57	129	6454	1.464 ug/L #	10
52) Ethylbenzene	9.59	91	220784	10.612 ug/L	100
53) m,p-Xylene	9.71	106	96340	12.299 ug/L	100

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

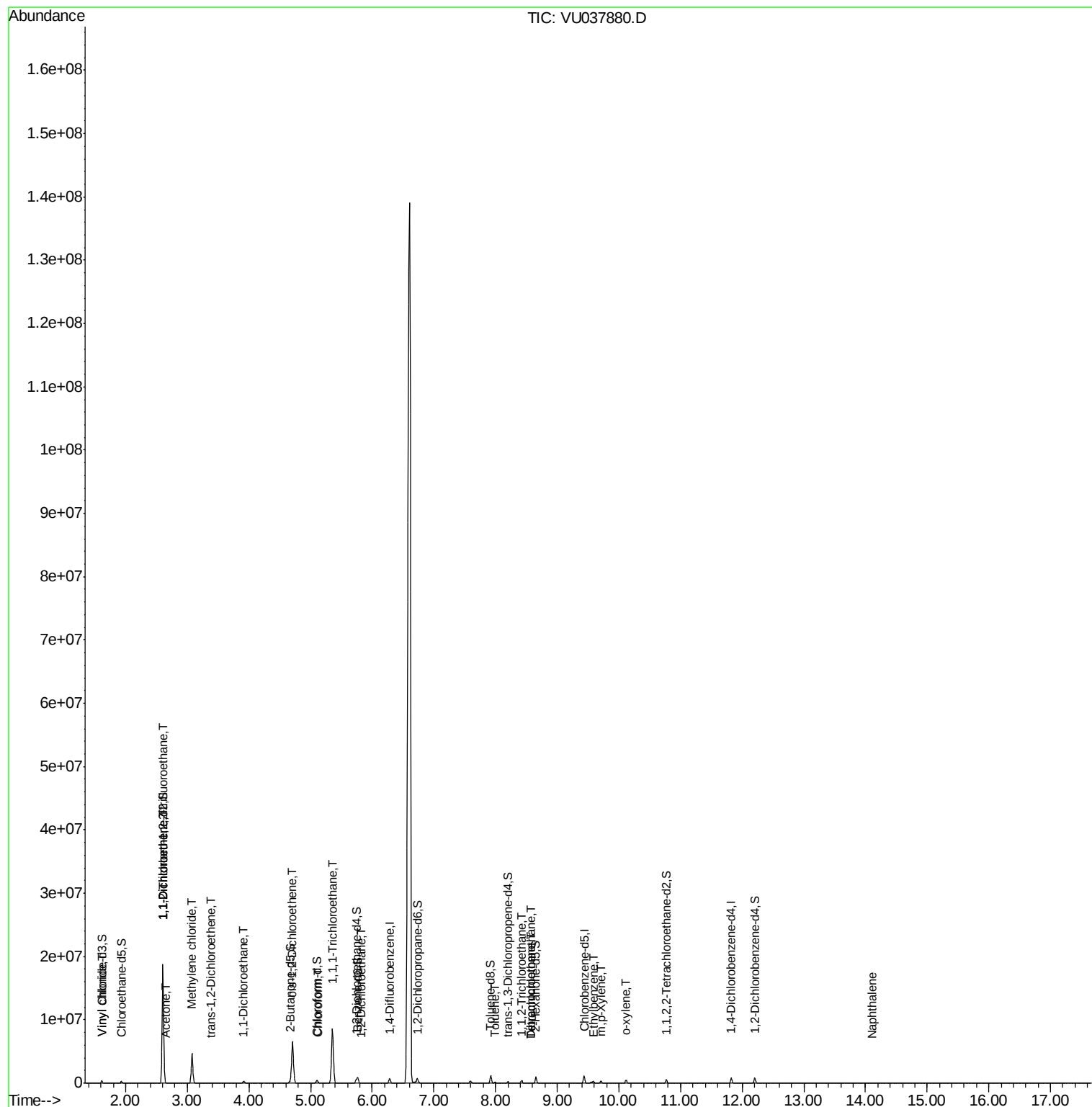
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	10.11	106	133103	17.374	ug/L	99
69) Naphthalene	14.11	128	15700	0.944	ug/L	100

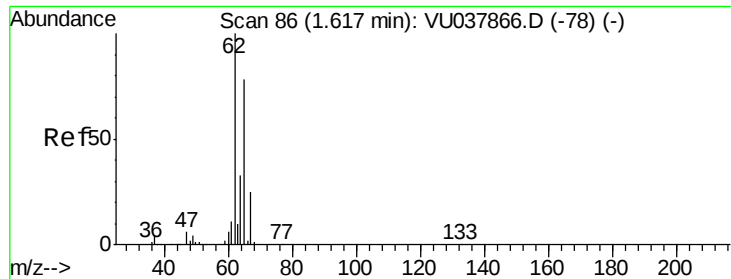
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042420\
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Quant Title : VOC Analysis
QLast Update : Sat Apr 25 01:13:34 2020
Response via : Initial Calibration





#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

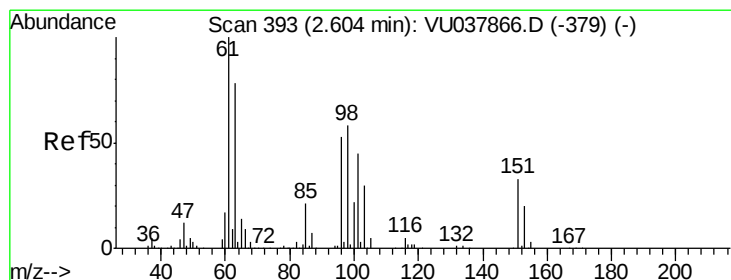
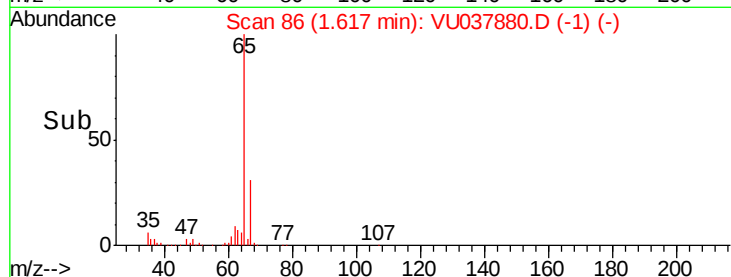
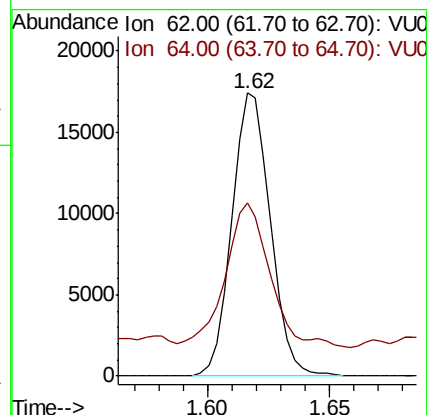
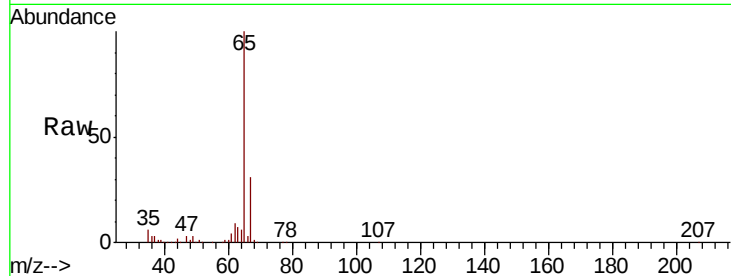
ClientSampleId :

Tot Ion: 62 Resp: 19044

Ion Ratio Lower Upper

62 100

64 61.4 23.2 43.0#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.318 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

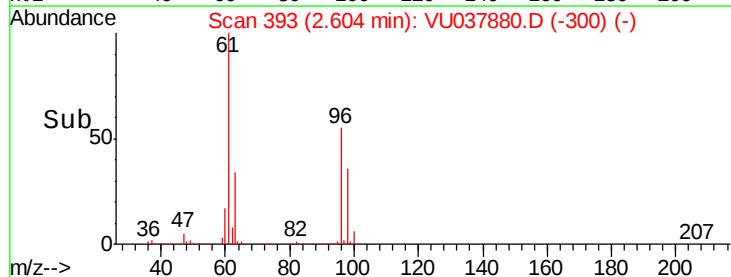
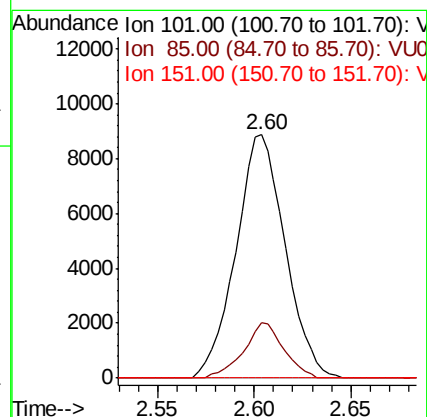
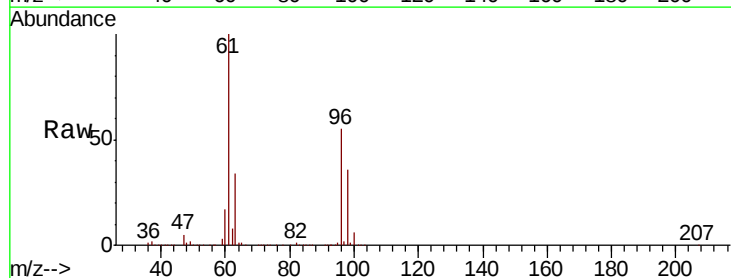
Tgt Ion: 101 Resp: 15655

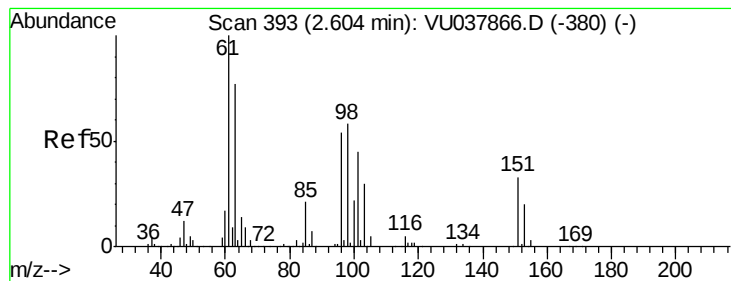
Ion Ratio Lower Upper

101 100

85 18.6 36.2 54.4#

151 0.0 55.5 83.3#





#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

Instrument :

MSVOA_U

ClientSampled :

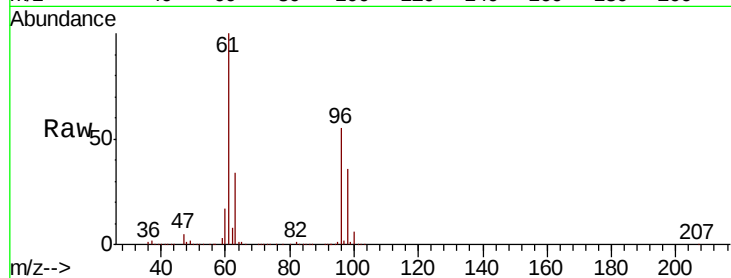
Tot Ion: 96 Resp: 6041102

Ion Ratio Lower Upper

96 100

61 181.5 134.1 249.0

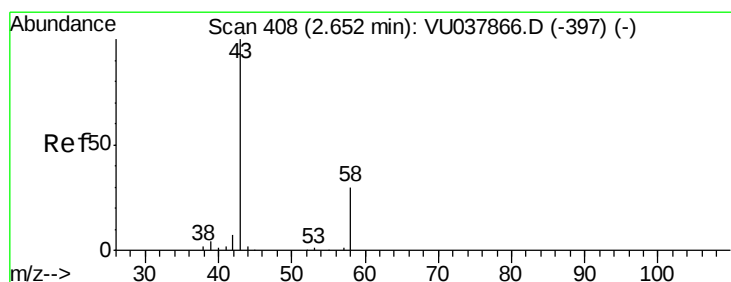
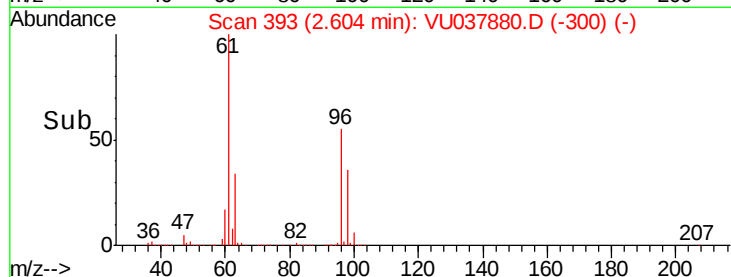
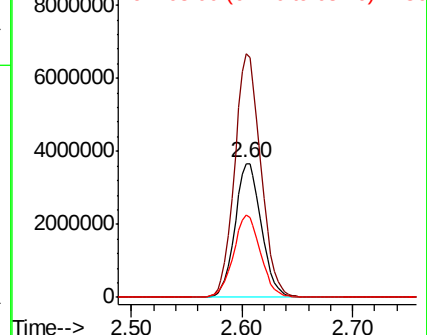
63 61.6 96.5 179.1#



Abundance Ion 96.00 (95.70 to 96.70): VU037866.D (-380) (-)

Ion 61.00 (60.70 to 61.70): VU037866.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU037866.D (-380) (-)



#13

Acetone

Concen: 3.240 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037880.D

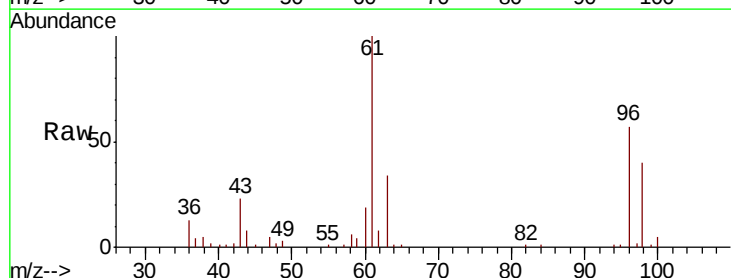
Acq: 24 Apr 2020 18:41

Tgt Ion: 43 Resp: 7892

Ion Ratio Lower Upper

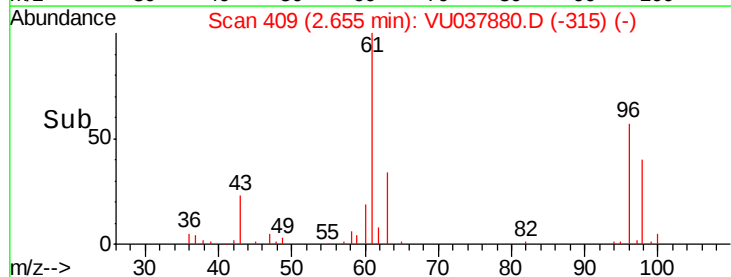
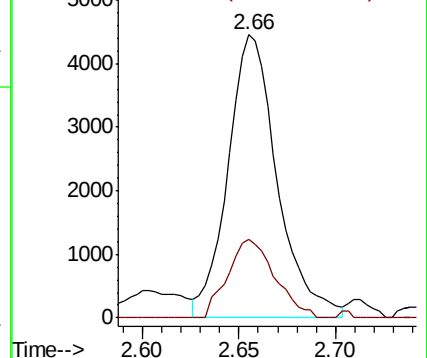
43 100

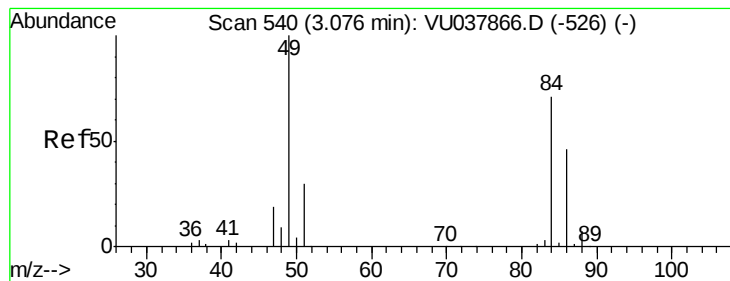
58 26.4 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037866.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037866.D (-397) (-)





#16

Methvlene 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

Instrument :

MSVOA_U

ClientSampleId :

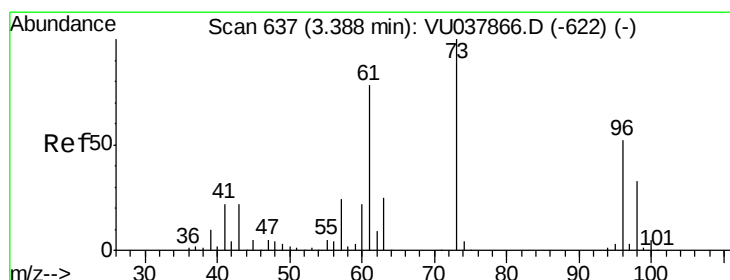
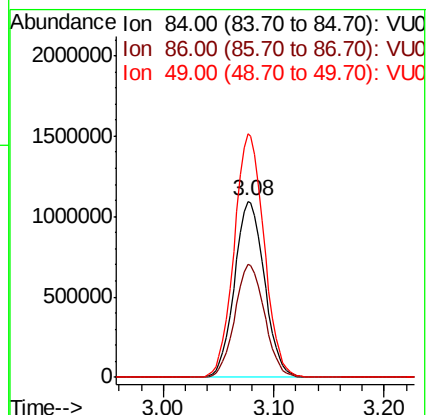
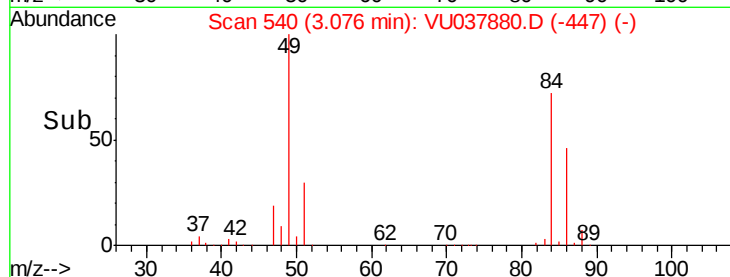
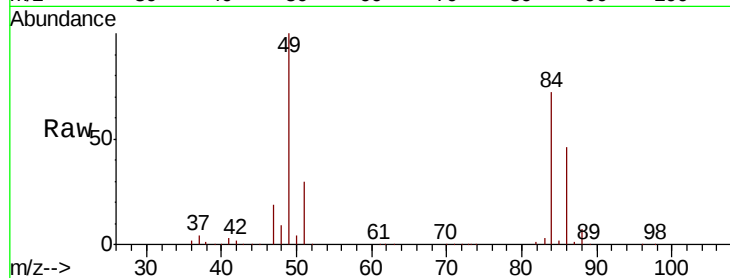
Tot Ion: 84 Resp: 2059966

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

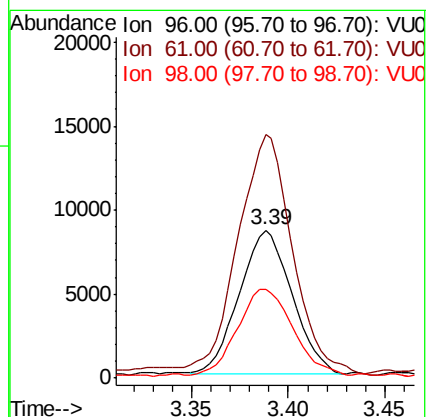
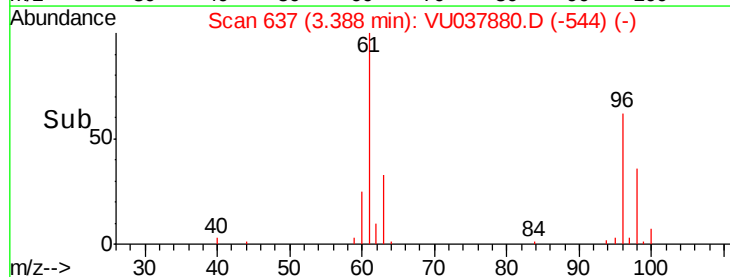
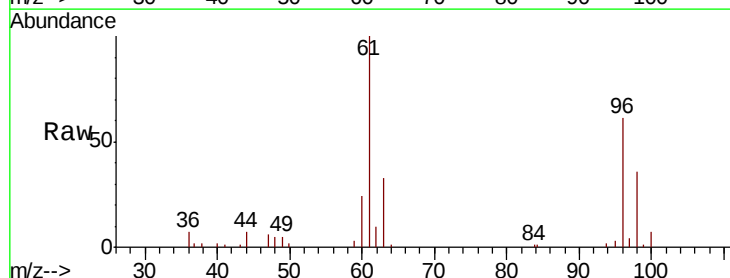
Tgt Ion: 96 Resp: 16357

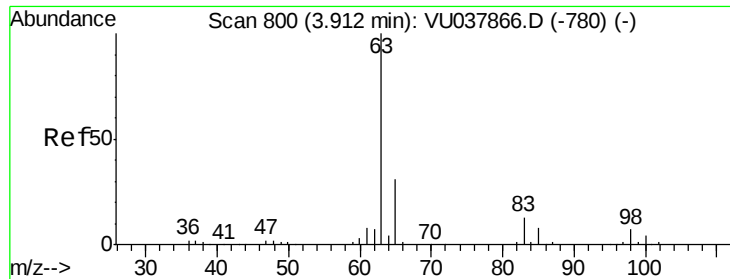
Ion Ratio Lower Upper

96 100

61 164.3 111.4 207.0

98 59.9 43.9 81.5





#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

Instrument :

MSVOA_U

ClientSampleId :

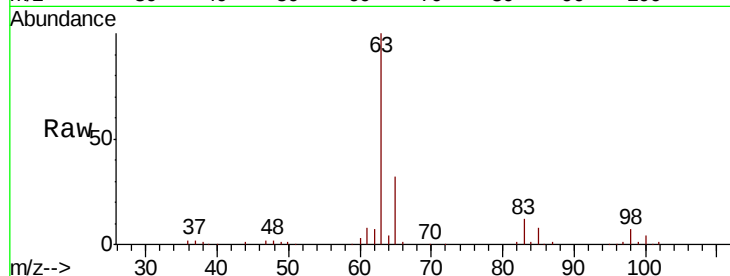
Tot Ion: 63 Resp: 304045

Ion Ratio Lower Upper

63 100

65 31.5 22.2 41.2

83 11.6 8.6 16.0

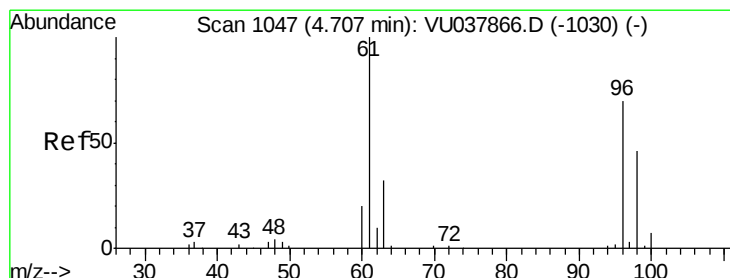
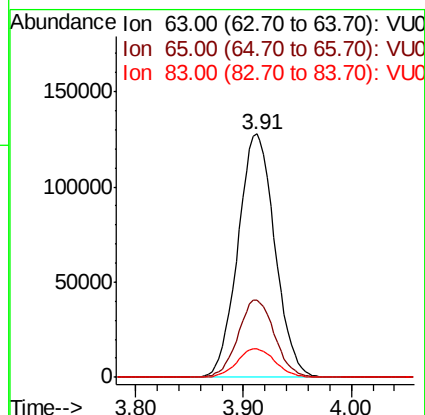
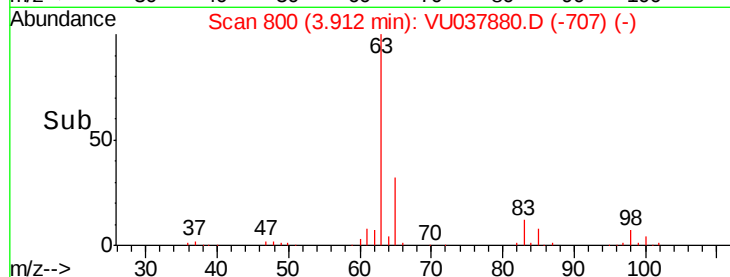


Abundance Ion 63.00 (62.70 to 63.70): VU037866.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037866.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037866.D (-780) (-)

Time-->



#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

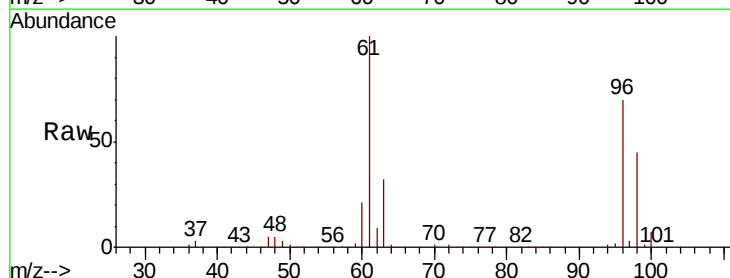
Tgt Ion: 96 Resp: 3207570

Ion Ratio Lower Upper

96 100

61 142.8 100.4 186.4

68 0.0 0.0 0.0

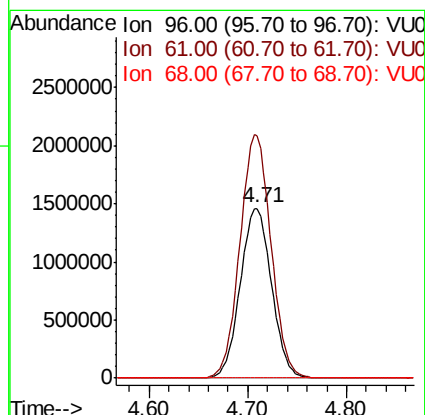
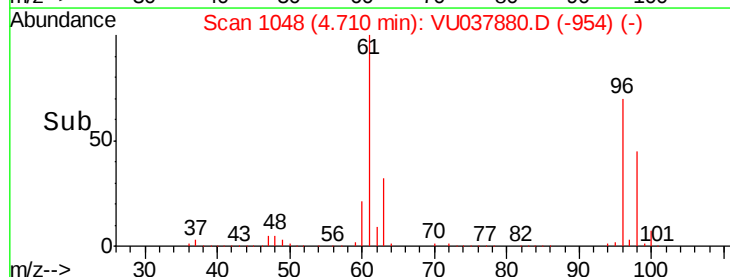


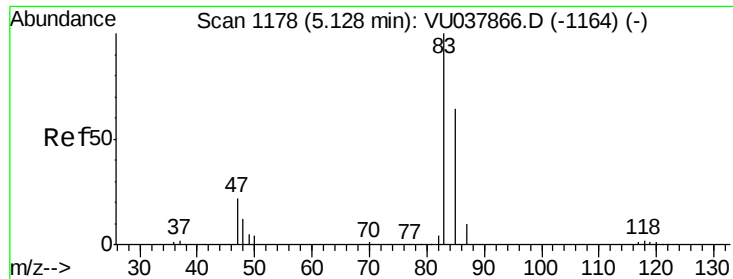
Abundance Ion 96.00 (95.70 to 96.70): VU037866.D (-1030) (-)

Ion 61.00 (60.70 to 61.70): VU037866.D (-1030) (-)

Ion 68.00 (67.70 to 68.70): VU037866.D (-1030) (-)

Time-->

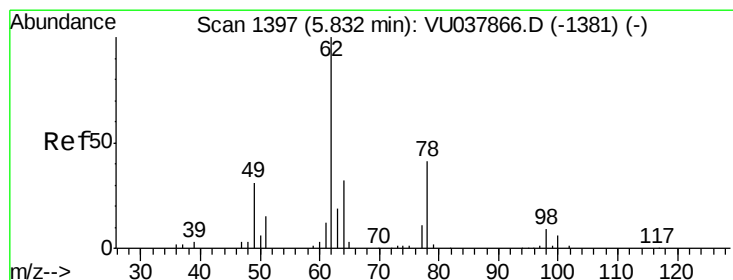
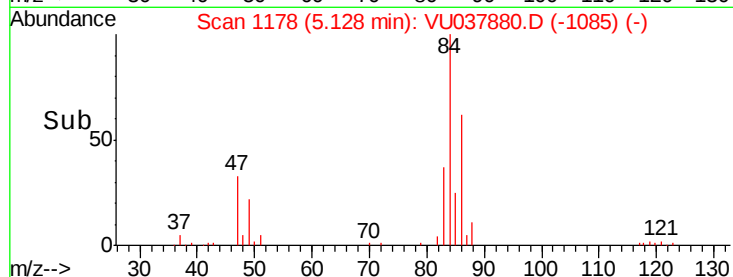
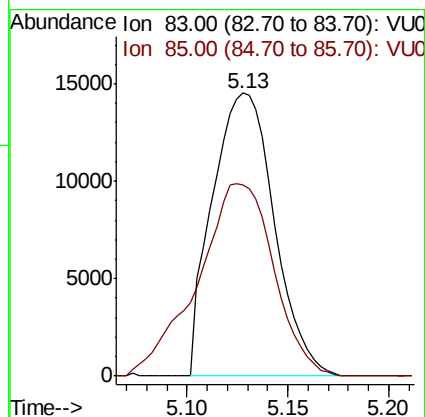
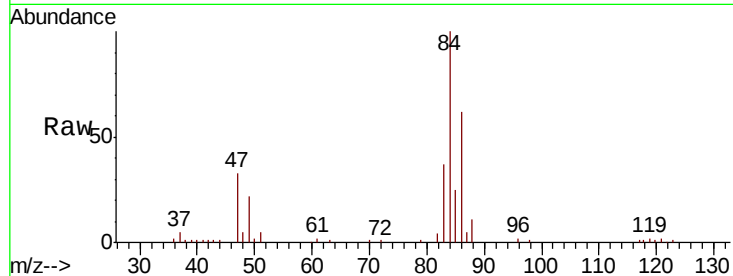




#25
Chloroform
Concen: 4.114 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

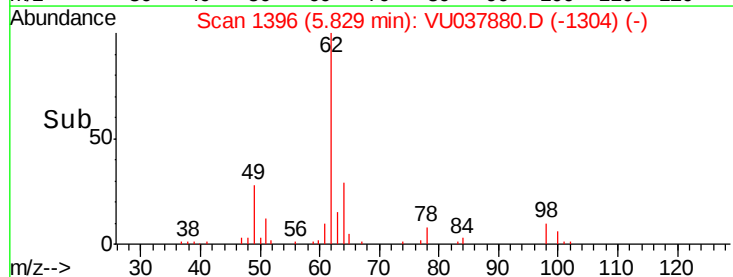
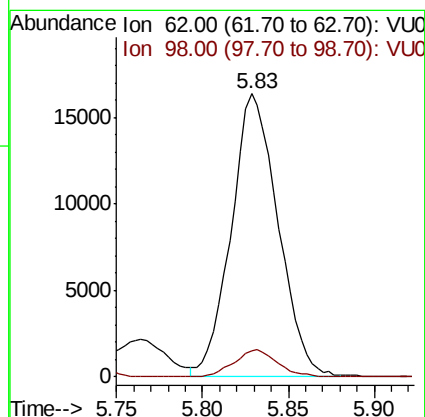
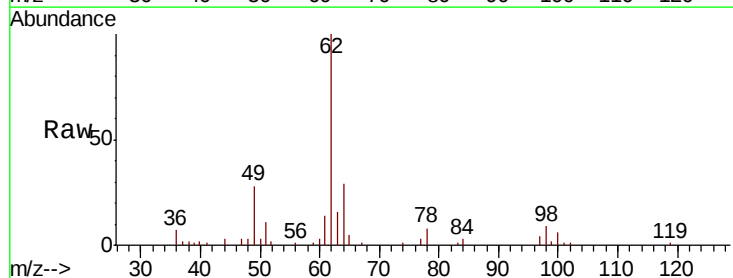
Instrument :
MSVOA_U
ClientSampleId :

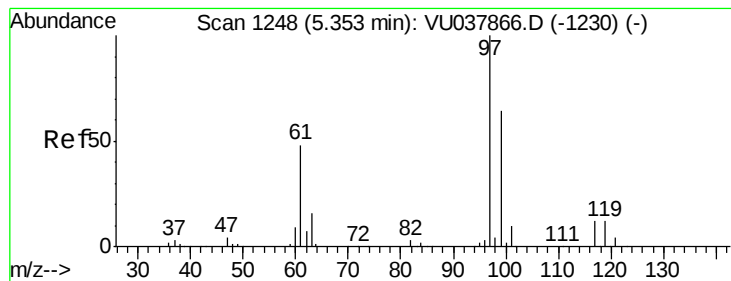
Tot Ion: 83 Resp: 31063
Ion Ratio Lower Upper
83 100
85 67.4 45.1 83.9



#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

Tgt Ion: 62 Resp: 31136
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9





#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

Instrument :
MSVOA_U
ClientSampled :

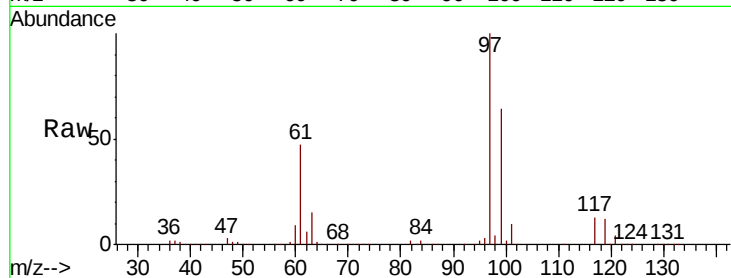
Tot Ion: 97 Resp: 6207336

Ion Ratio Lower Upper

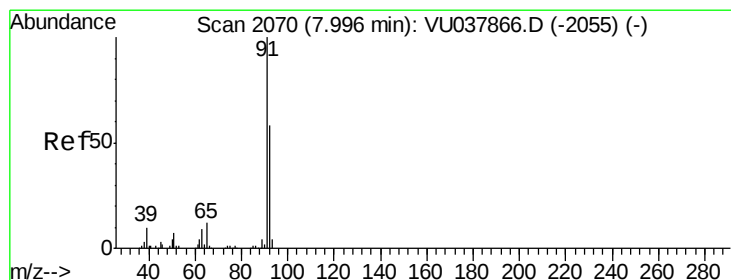
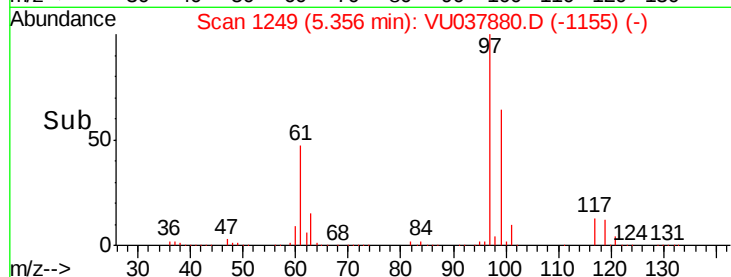
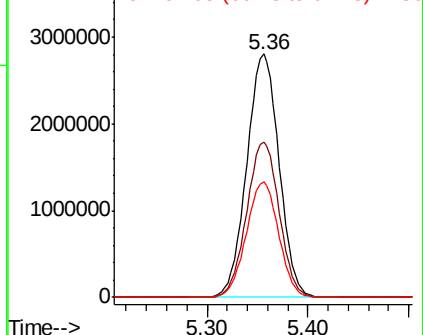
97 100

99 64.1 50.7 76.1

61 47.6 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0



#42

Toluene

Concen: 7.096 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037880.D

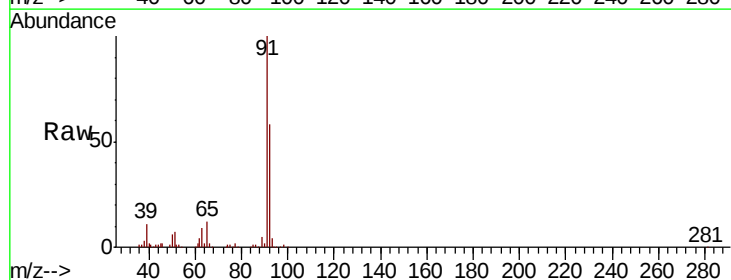
Acq: 24 Apr 2020 18:41

Tgt Ion: 91 Resp: 131842

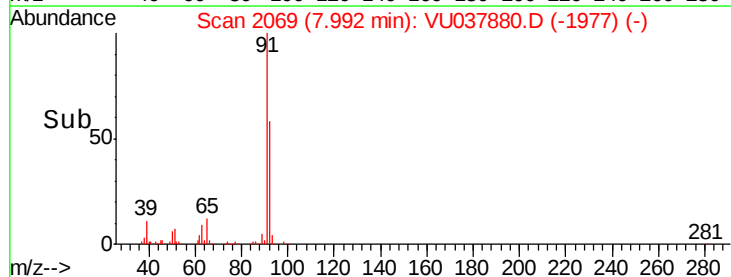
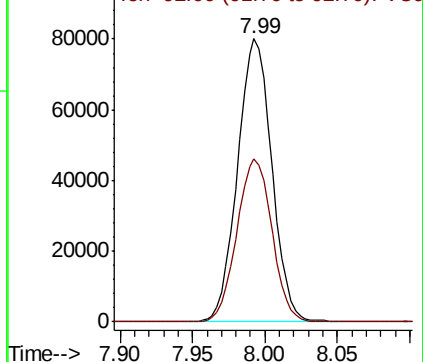
Ion Ratio Lower Upper

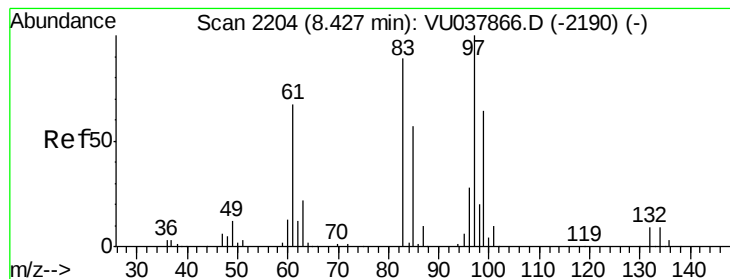
91 100

92 57.5 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





#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 :

Tot Ion: 97 Resp: 120548

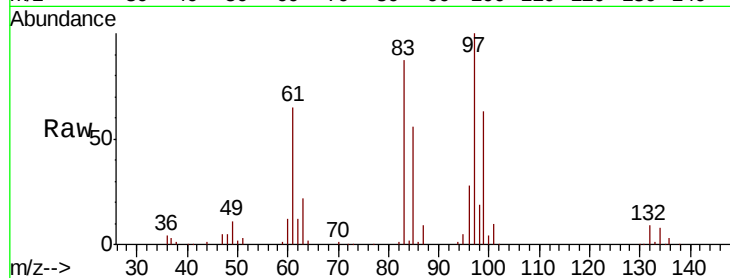
Ion Ratio Lower Upper

97 100

99 62.6 44.0 81.6

83 86.6 62.6 116.2

85 56.1 40.0 74.4



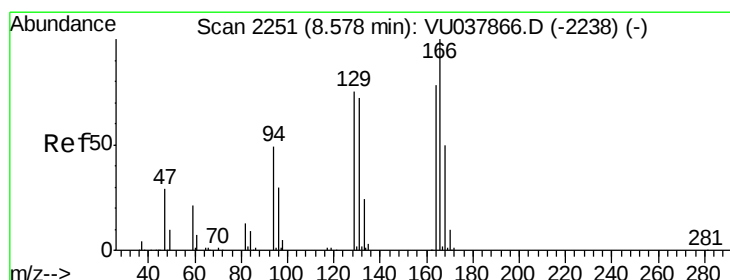
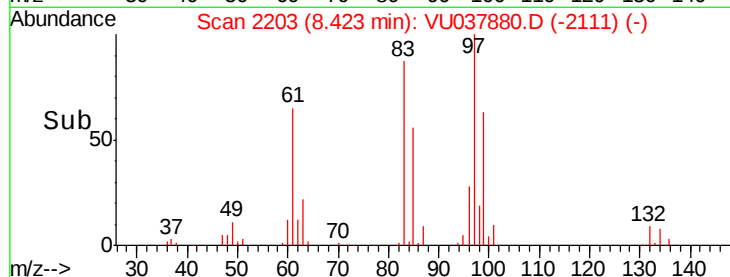
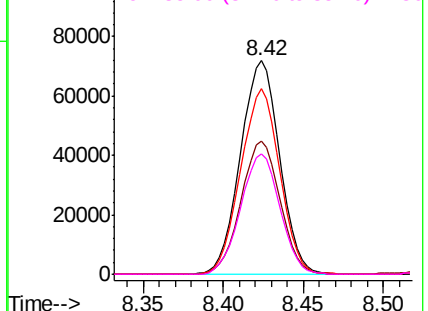
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#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

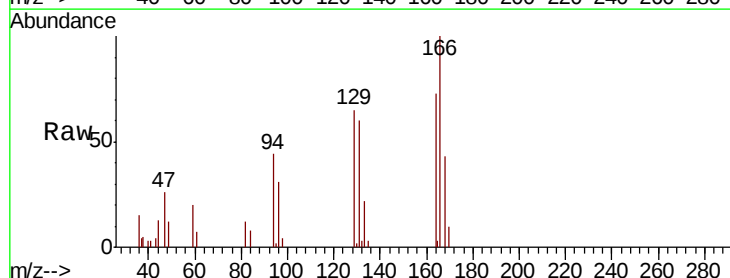
Ion Ratio Lower Upper

164 100

129 88.9 67.3 125.1

131 81.2 64.8 120.4

166 136.4 88.5 164.4



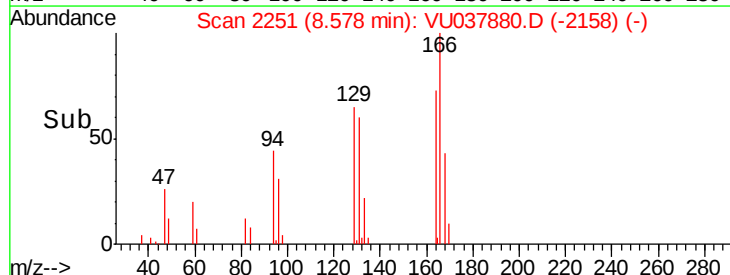
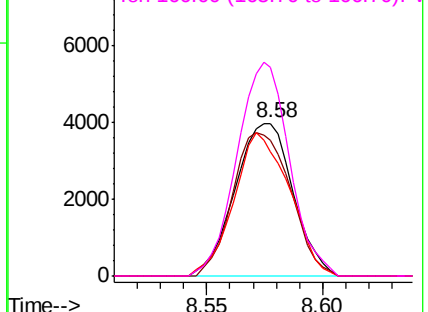
Abundance

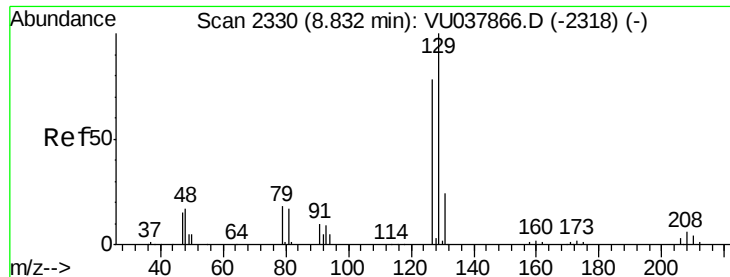
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

Dibromochloromethane

Concen: 1.464 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

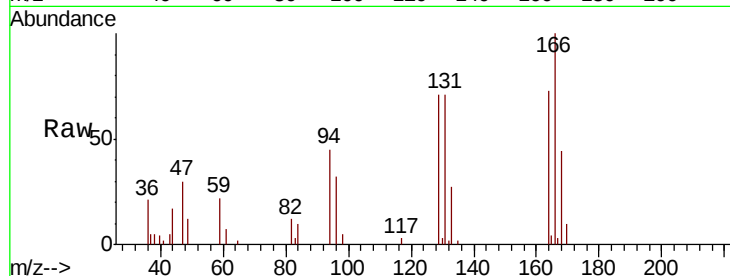
ClientSampleId :

Tot Ion:129 Resp: 6454

Ion Ratio Lower Upper

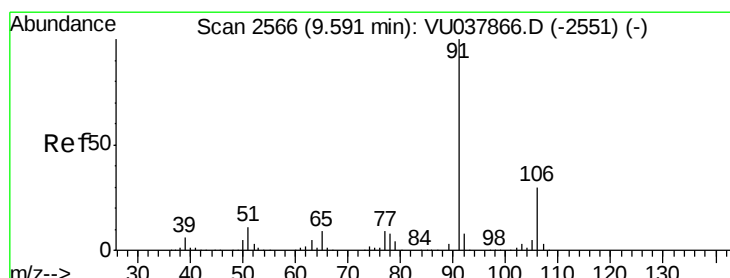
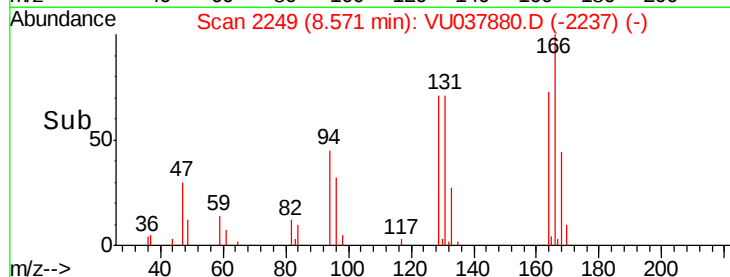
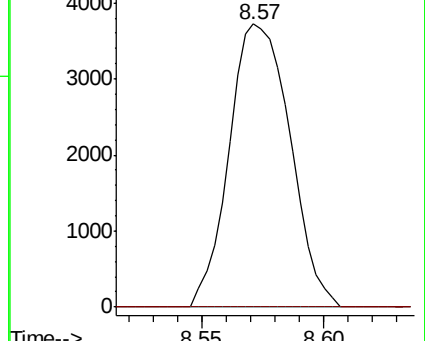
129 100

127 0.0 54.7 101.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#52

Ethylbenzene

Concen: 10.612 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037880.D

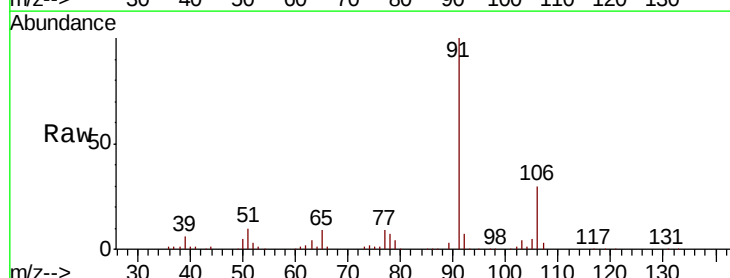
Acq: 24 Apr 2020 18:41

Tgt Ion: 91 Resp: 220784

Ion Ratio Lower Upper

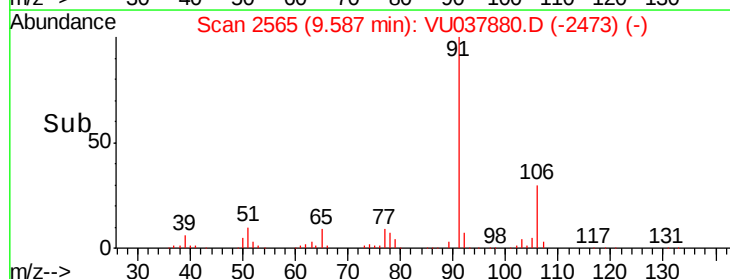
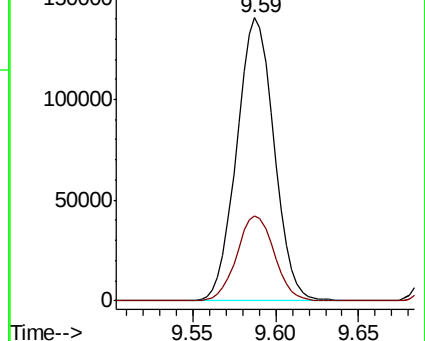
91 100

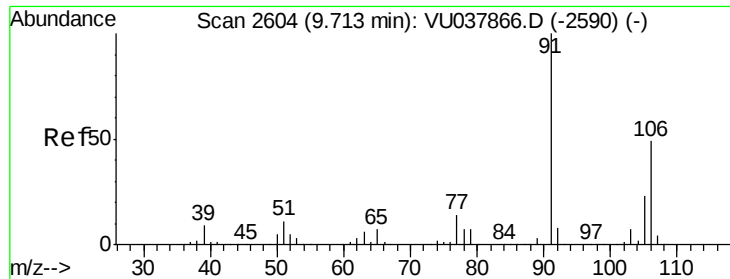
106 30.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

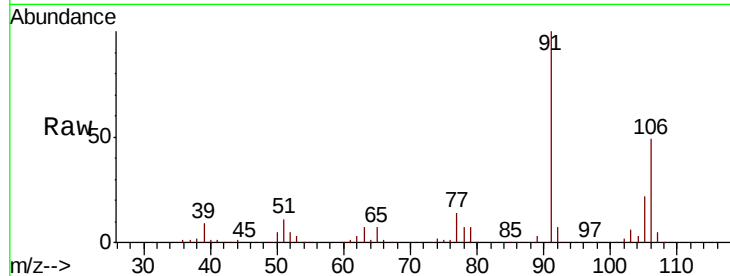




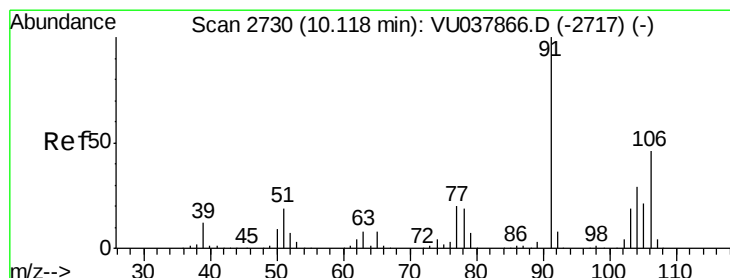
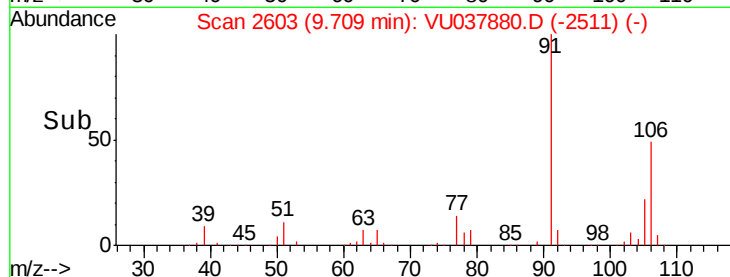
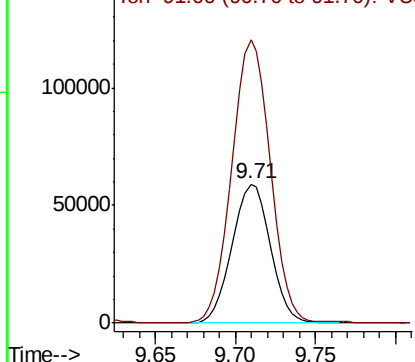
#53
m,p-Xylene
Concen: 12.299 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 96340
Ion Ratio Lower Upper
106 100
91 203.4 142.8 265.2

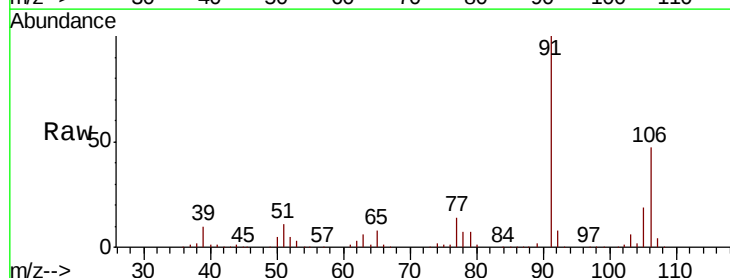


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

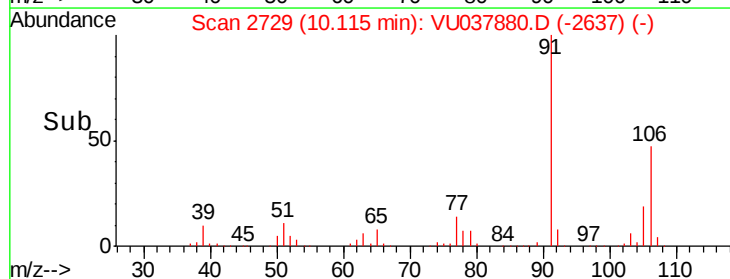
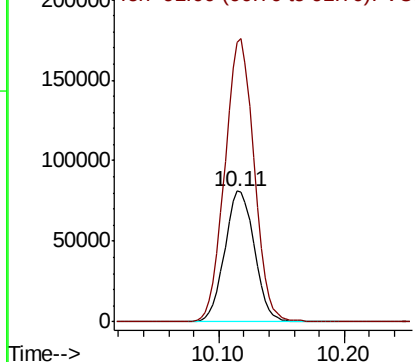


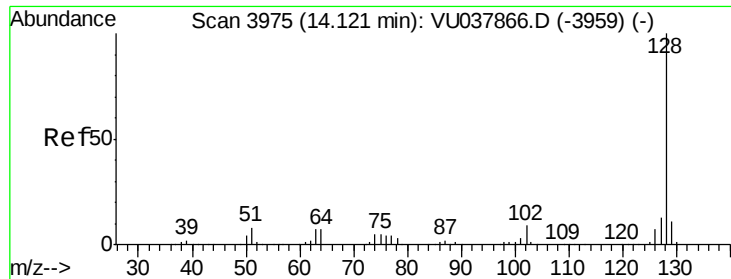
#54
o-xylene
Concen: 17.374 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU037880.D
Acq: 24 Apr 2020 18:41

Tgt Ion:106 Resp: 133103
Ion Ratio Lower Upper
106 100
91 214.0 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#69

Naphthalene

Concen: 0.944 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.01 min

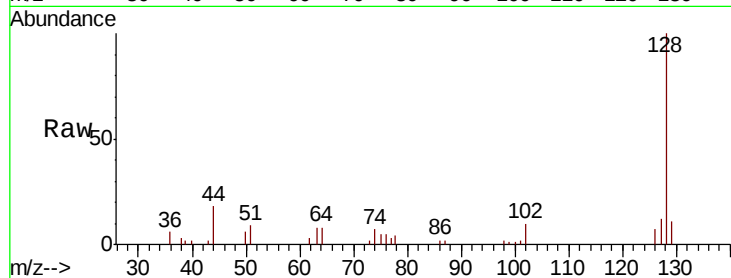
Lab File: VU037880.D

Acq: 24 Apr 2020 18:41

Instrument :

MSVOA_U

ClientSampleId :



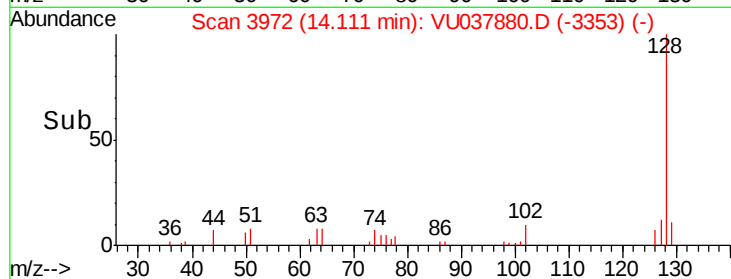
Tot Ion:128 Resp: 15700

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

