

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037907.D
 Acq On : 29 Apr 2020 12:15
 Operator : JC/MD
 Sample : L2395-11DL 400X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:20:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	623392	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	602437	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	265585	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	218936	40.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.38%
7) Chloroethane-d5	1.93	69	195042	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.59	63	289949	32.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.78%
21) 2-Butanone-d5	4.66	46	416850	96.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.59%
24) Chloroform-d	5.10	84	390556	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
26) 1,2-Dichloroethane-d4	5.74	65	282574	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.76	84	862158	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.22%
36) 1,2-Dichloropropane-d6	6.72	67	291185	51.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.20%
41) Toluene-d8	7.92	98	772953	49.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.72%
43) trans-1,3-Dichloropropene-	8.20	79	117471	40.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.10%
47) 2-Hexanone-d5	8.65	63	307179	99.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.03%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	410771	51.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.62%
64) 1,2-Dichlorobenzene-d4	12.20	152	277981	53.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.58%

Target Compounds

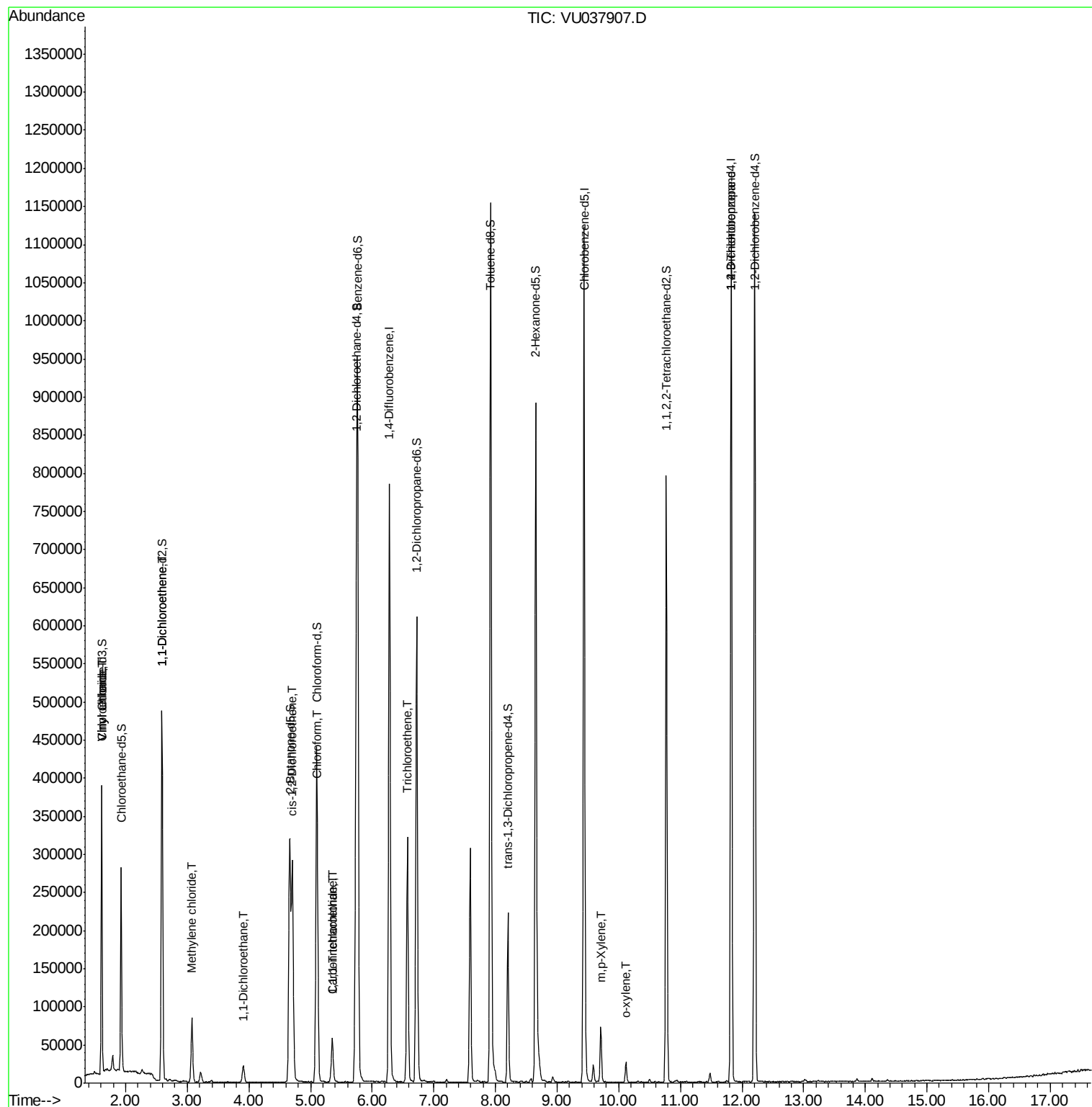
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	37629	6.084	ug/L	89
8) Chloroethane	1.62	64	15395	4.430	ug/L	94
12) 1,1-Dichloroethene	2.60	96	7312	1.932	ug/L #	1
16) Methylene chloride	3.08	84	37793	8.404	ug/L	94
19) 1,1-Dichloroethane	3.91	63	25699	3.013	ug/L	90
20) cis-1,2-Dichloroethene	4.71	96	135371	29.217	ug/L	93
25) Chloroform	5.12	83	10722	1.343	ug/L	93
30) 1,1,1-Trichloroethane	5.35	97	40767	6.059	ug/L	99
31) Carbon tetrachloride	5.35	117	5395	0.992	ug/L	89
34) Trichloroethene	6.57	95	107988	24.077	ug/L	97
53) m,p-Xylene	9.71	106	21320	2.638	ug/L	90
54) o-xylene	10.12	106	7267	0.919	ug/L	86
59) 1,2,3-Trichloropropane	11.82	75	38378	5.721	ug/L	93

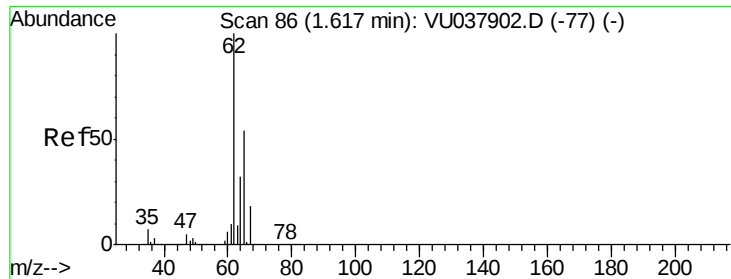
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.084 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Instrument :

MSVOA_U

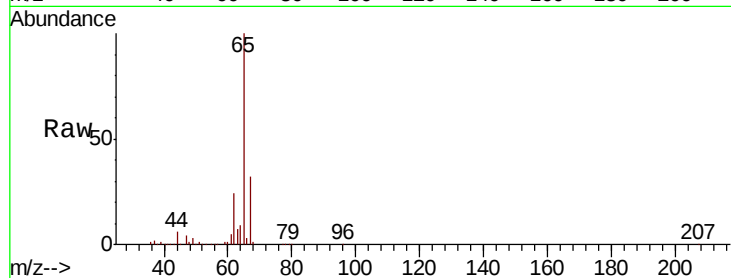
ClientSampleId :

Tot Ion: 62 Resp: 37629

Ion Ratio Lower Upper

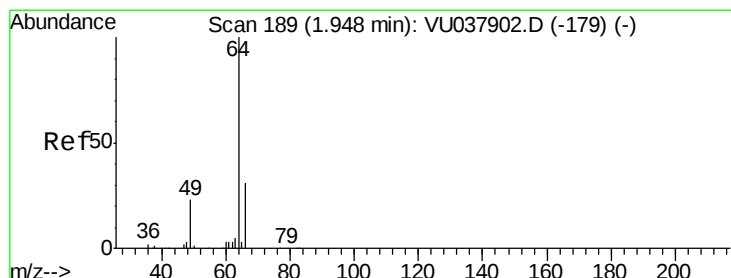
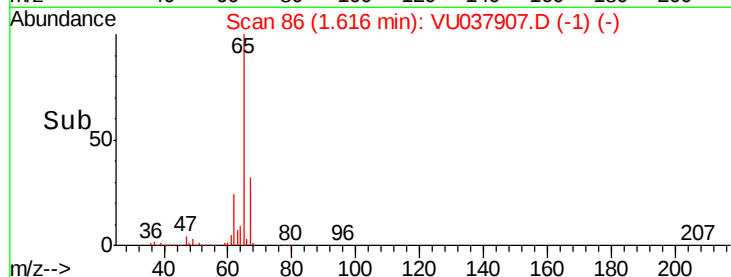
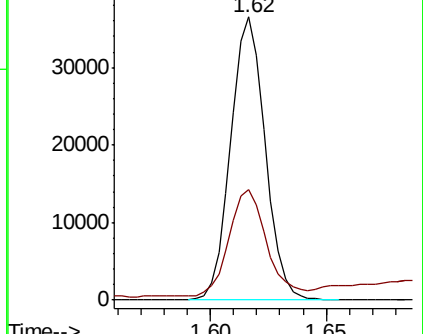
62 100

64 39.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037902.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037902.D (-77) (-)



#8

Chloroethane

Concen: 4.430 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.33 min

Lab File: VU037907.D

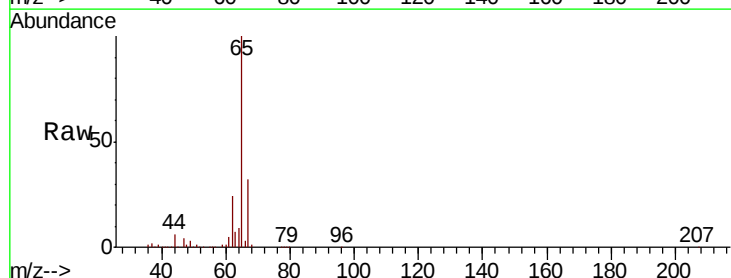
Acq: 29 Apr 2020 12:15

Tgt Ion: 64 Resp: 15395

Ion Ratio Lower Upper

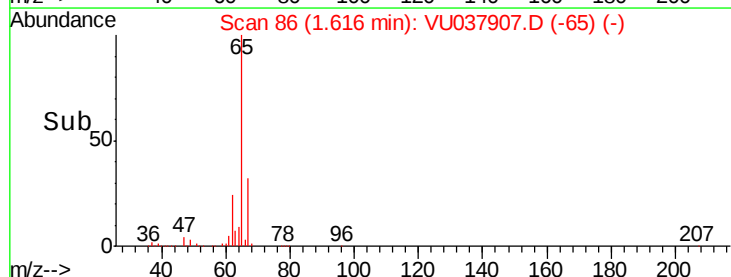
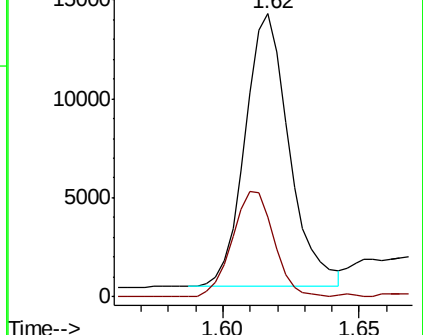
64 100

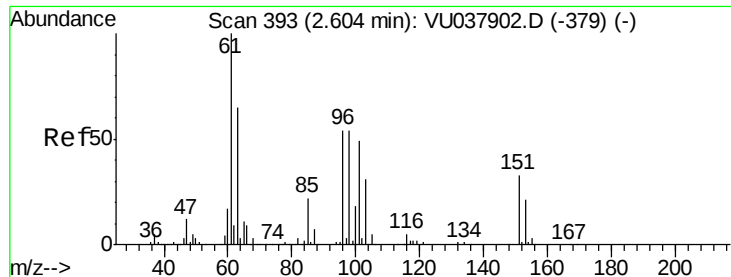
66 28.4 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037902.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037902.D (-179) (-)





#12

1,1-Dichloroethene

Concen: 1.932 ug/L

RT: 2.60 min Scan# 392

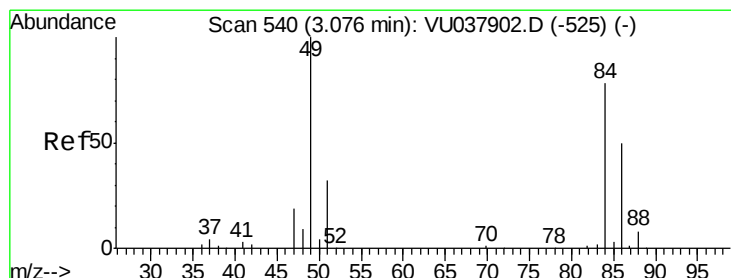
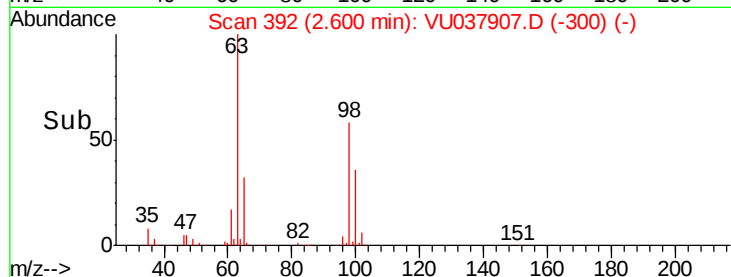
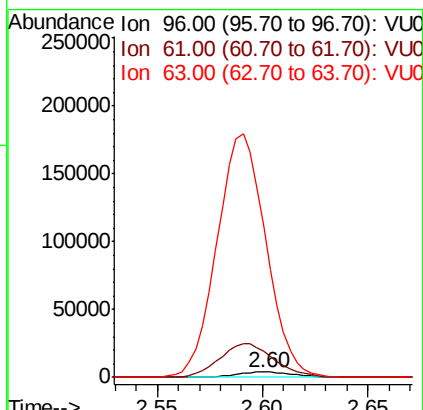
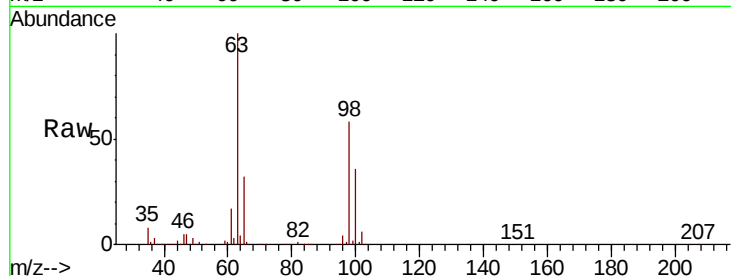
Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 7312
Ion Ratio Lower Upper
96 100
61 469.8 134.1 249.0#
63 2745.9 96.5 179.1#



#16

Methylene chloride

Concen: 8.404 ug/L

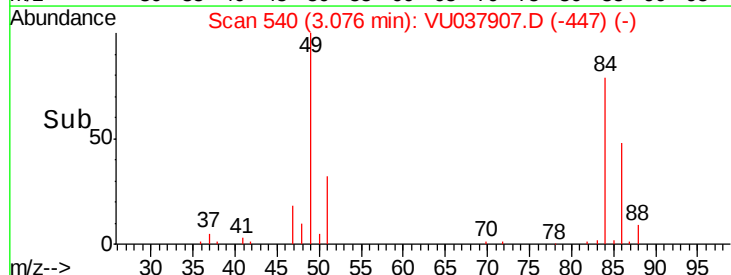
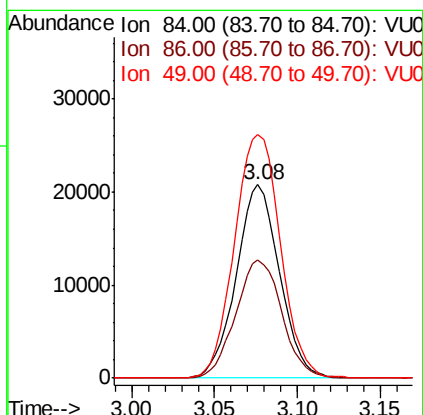
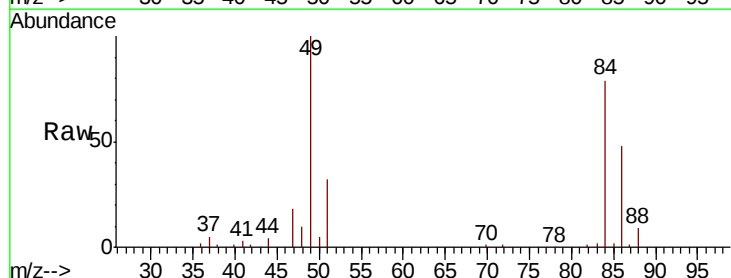
RT: 3.08 min Scan# 540

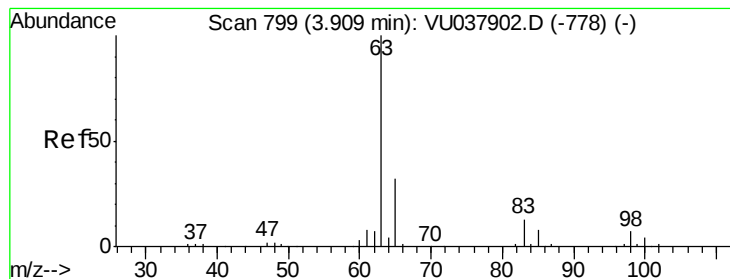
Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Tgt Ion: 84 Resp: 37793
Ion Ratio Lower Upper
84 100
86 60.9 43.5 80.7
49 126.1 95.1 176.7





#19

1,1-Dichloroethane

Concen: 3.013 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampled :

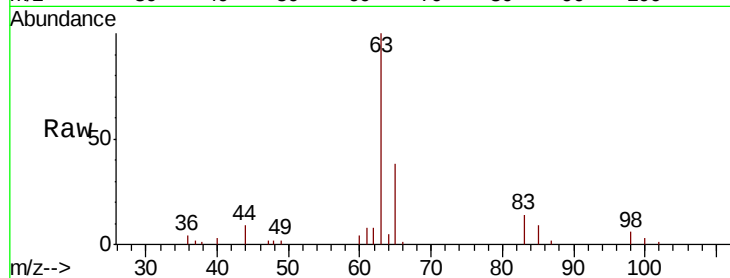
Tot Ion: 63 Resp: 25699

Ion Ratio Lower Upper

63 100

65 37.9 22.2 41.2

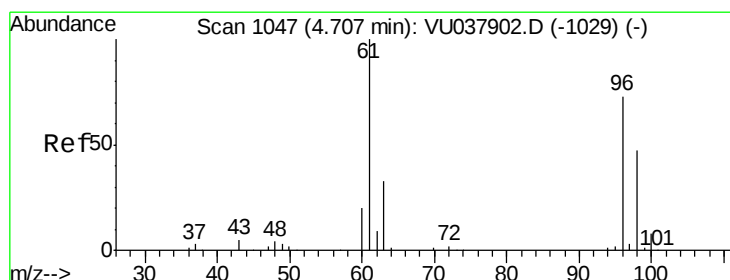
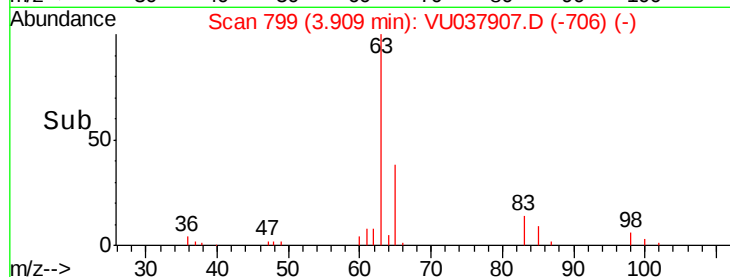
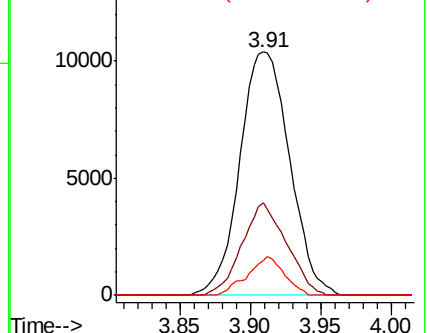
83 14.4 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037907.D (-778) (-)

Ion 65.00 (64.70 to 65.70): VU037907.D (-778) (-)

Ion 83.00 (82.70 to 83.70): VU037907.D (-778) (-)



#20

cis-1,2-Dichloroethene

Concen: 29.217 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

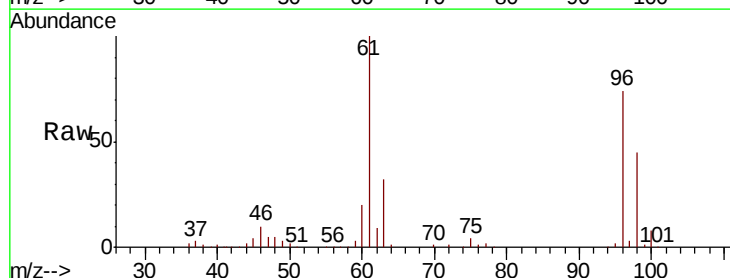
Tgt Ion: 96 Resp: 135371

Ion Ratio Lower Upper

96 100

61 134.6 100.4 186.4

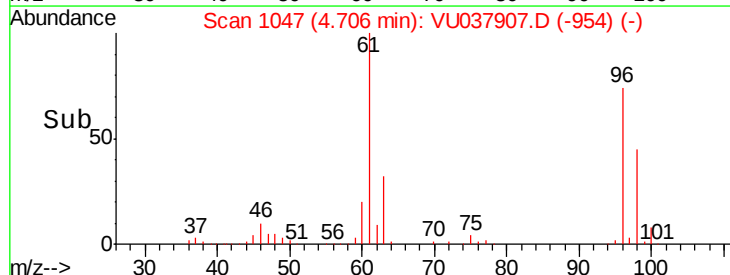
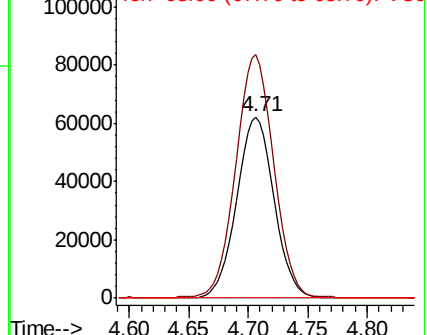
68 0.0 0.0 0.0

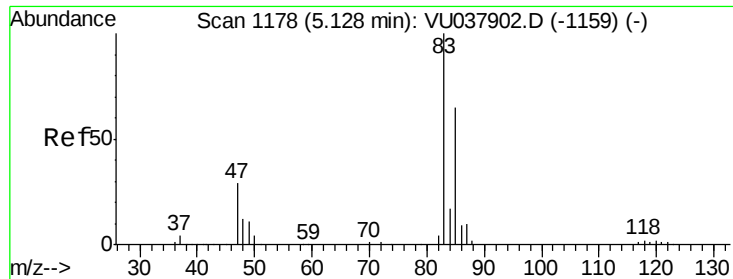


Abundance Ion 96.00 (95.70 to 96.70): VU037907.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU037907.D (-954) (-)

Ion 68.00 (67.70 to 68.70): VU037907.D (-954) (-)

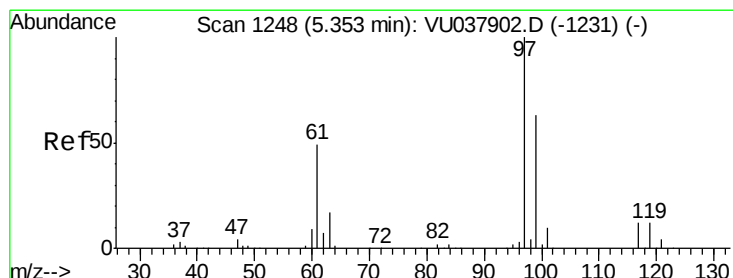
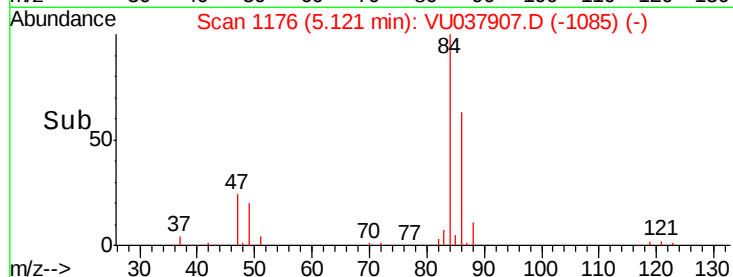
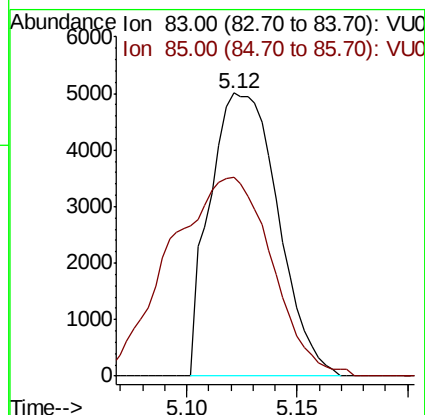
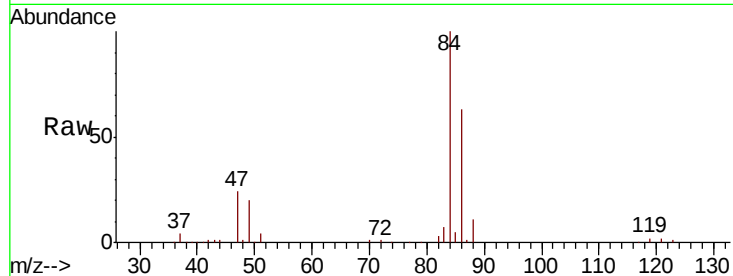




#25
Chloroform
Concen: 1.343 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037907.D
Acq: 29 Apr 2020 12:15

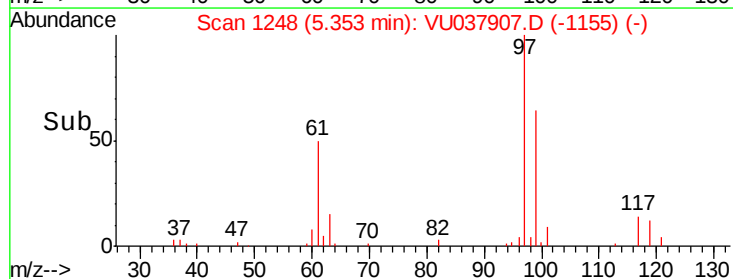
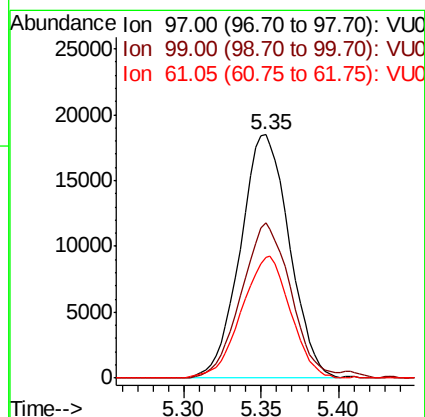
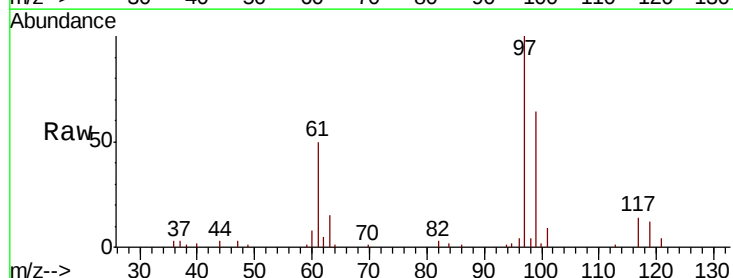
Instrument :
MSVOA_U
ClientSampleId :

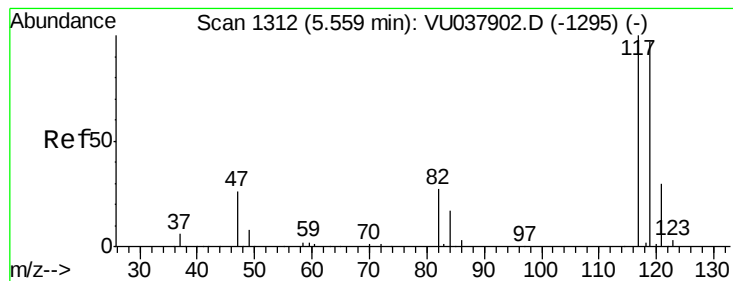
Tot Ion: 83 Resp: 10722
Ion Ratio Lower Upper
83 100
85 70.2 45.1 83.9



#30
1,1,1-Trichloroethane
Concen: 6.059 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU037907.D
Acq: 29 Apr 2020 12:15

Tgt Ion: 97 Resp: 40767
Ion Ratio Lower Upper
97 100
99 64.2 50.7 76.1
61 49.6 38.9 58.3





#31

Carbon tetrachloride

Concen: 0.992 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.21 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Instrument :

MSVOA_U

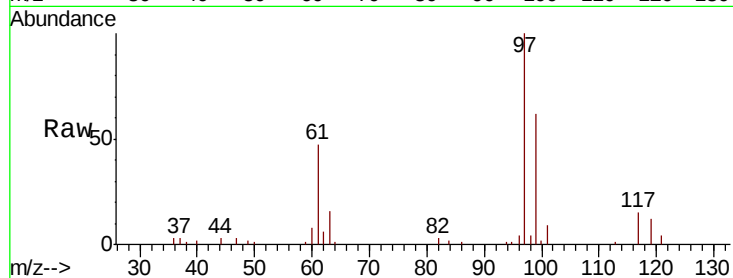
ClientSampled :

Tot Ion:117 Resp: 5395

Ion Ratio Lower Upper

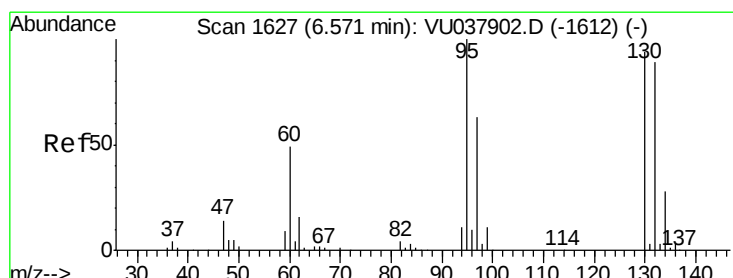
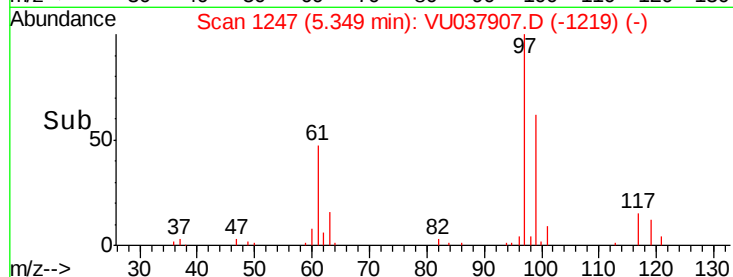
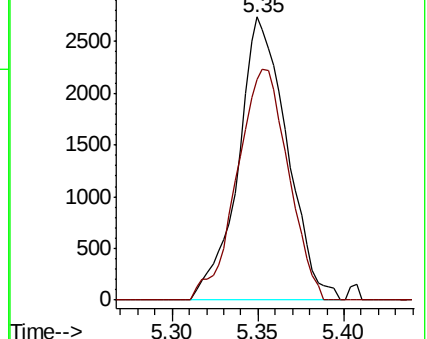
117 100

119 85.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 24.077 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Tgt Ion: 95 Resp: 107988

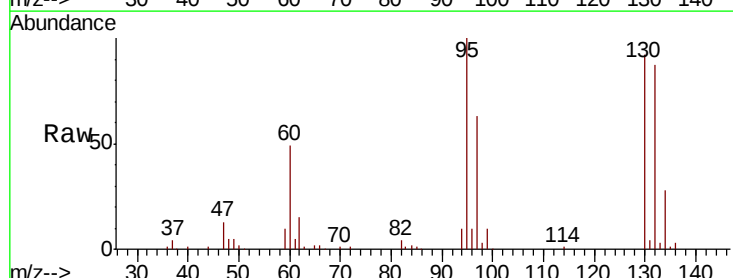
Ion Ratio Lower Upper

95 100

97 62.9 44.4 82.5

132 86.6 65.0 120.6

130 92.2 65.5 121.7

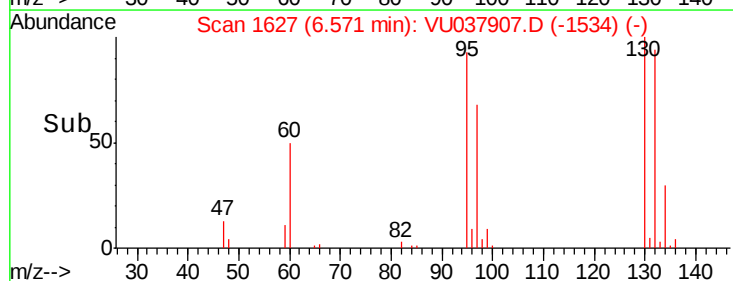
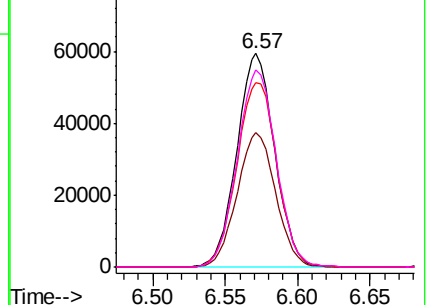


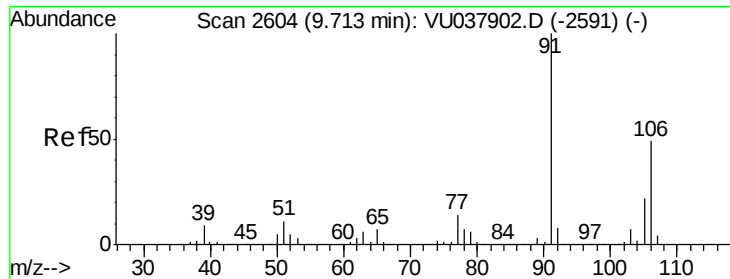
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

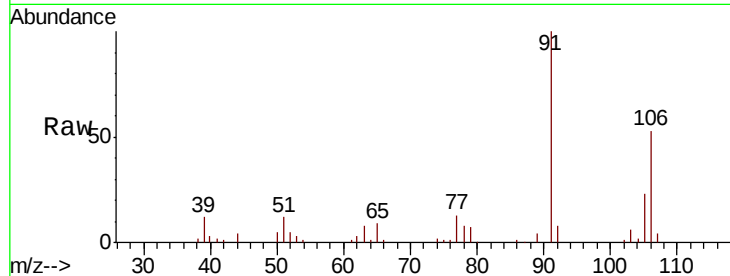




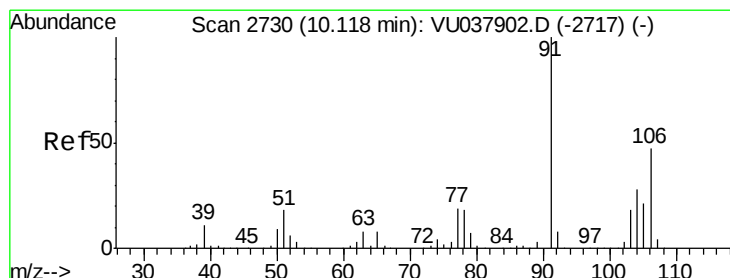
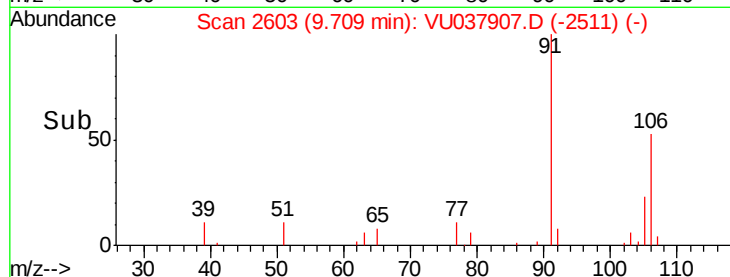
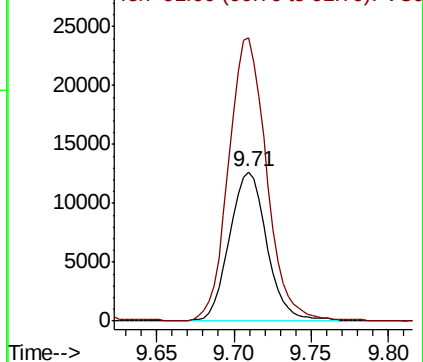
#53
m,p-Xylene
Concen: 2.638 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU037907.D
Acq: 29 Apr 2020 12:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 21320
Ion Ratio Lower Upper
106 100
91 189.2 142.8 265.2

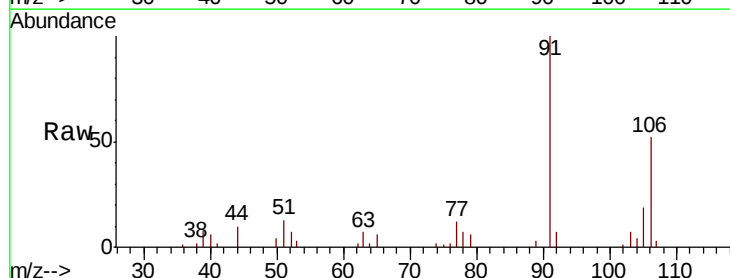


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

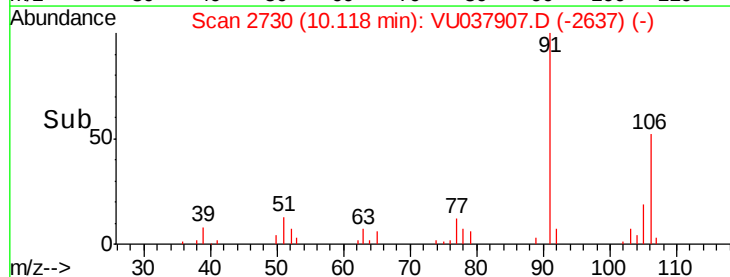
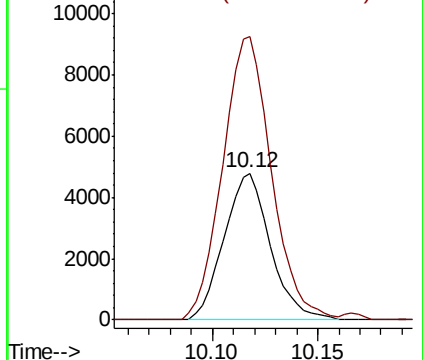


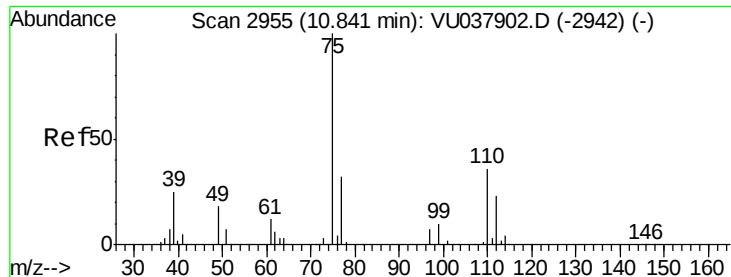
#54
o-xylene
Concen: 0.919 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037907.D
Acq: 29 Apr 2020 12:15

Tgt Ion:106 Resp: 7267
Ion Ratio Lower Upper
106 100
91 193.0 150.6 279.6



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





#59

1,2,3-Trichloropropane

Concen: 5.721 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037907.D

Acq: 29 Apr 2020 12:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 38378

Ion Ratio Lower Upper

75 100

77 35.9 25.8 38.6

