

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037953.D
 Acq On : 30 Apr 2020 15:48
 Operator : JC/MD
 Sample : L2395-11DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 02:20:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	718660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	692389	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	313979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	299793	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.86%
7) Chloroethane-d5	1.93	69	250397	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.59	63	380791	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.66%
21) 2-Butanone-d5	4.66	46	433241	87.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.69%
24) Chloroform-d	5.10	84	435804	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.04%
26) 1,2-Dichloroethane-d4	5.74	65	322902	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.76	84	1002789	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.28%
36) 1,2-Dichloropropane-d6	6.72	67	328056	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.96%
41) Toluene-d8	7.92	98	911962	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	8.20	79	151515	47.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.50%
47) 2-Hexanone-d5	8.65	63	289582	98.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	440425	45.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.34%
64) 1,2-Dichlorobenzene-d4	12.20	152	315637	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	94754	13.160	ug/L 99
8) Chloroethane	1.95	64	10185	2.352	ug/L 98
12) 1,1-Dichloroethene	2.60	96	13794	2.931	ug/L # 1
16) Methylene chloride	3.08	84	84873	15.298	ug/L 98
19) 1,1-Dichloroethane	3.91	63	60076	5.935	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	296710	52.805	ug/L 98
25) Chloroform	5.12	83	23179	2.385	ug/L 98
30) 1,1,1-Trichloroethane	5.35	97	94634	12.296	ug/L 99
31) Carbon tetrachloride	5.35	117	12144	1.999	ug/L 99
34) Trichloroethene	6.57	95	243867	46.463	ug/L 98
48) 2-Hexanone	8.71	43	35172	4.552	ug/L 96
52) Ethylbenzene	9.59	91	40830	1.620	ug/L 96
53) m,p-Xylene	9.71	106	52208	5.455	ug/L 97
54) o-xylene	10.11	106	16712	1.773	ug/L 95
59) 1,2,3-Trichloropropane	11.82	75	44075	5.493	ug/L 91

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ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Fri May 01 02:16:47 2020
Response via : Initial Calibration

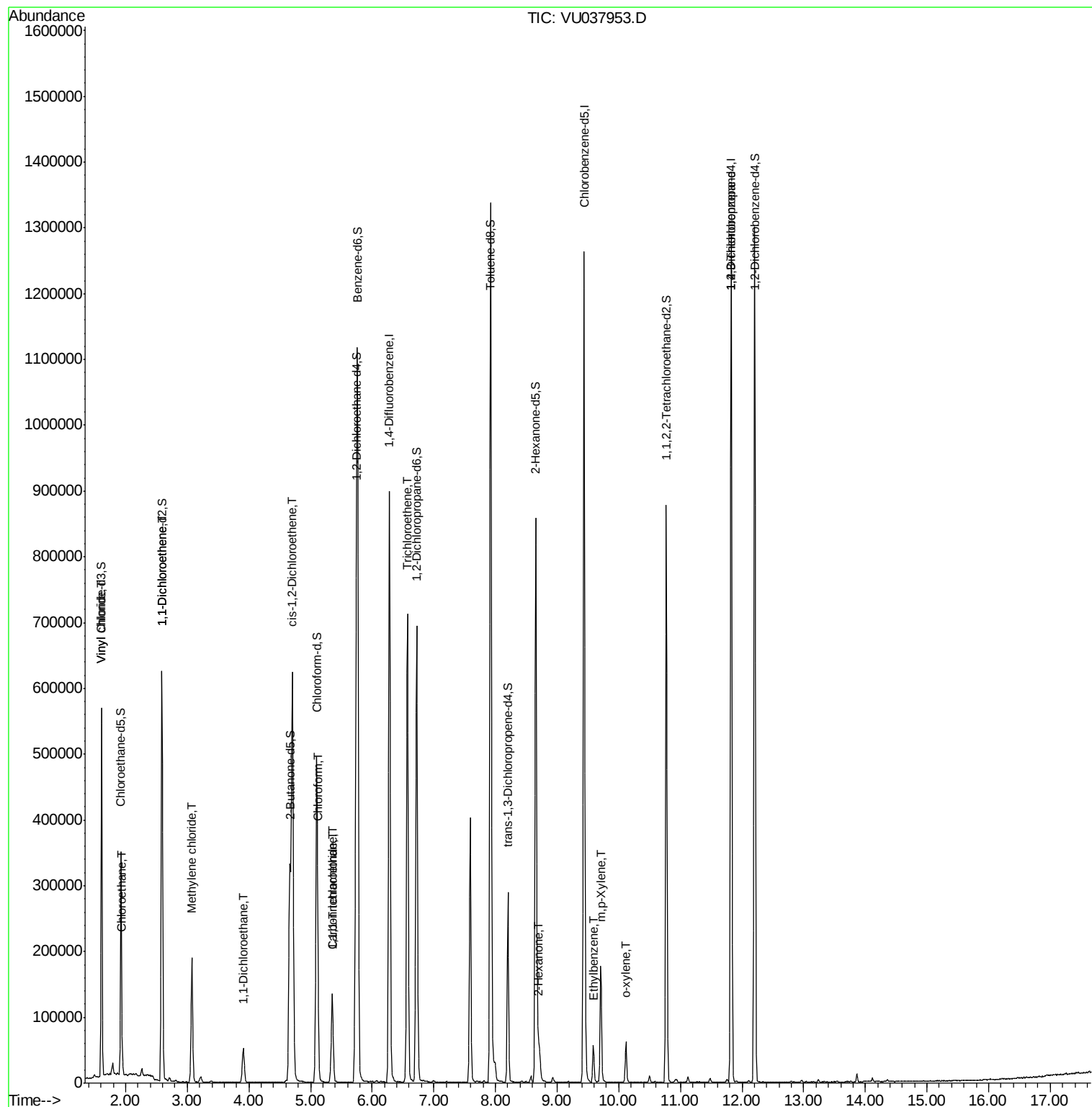
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

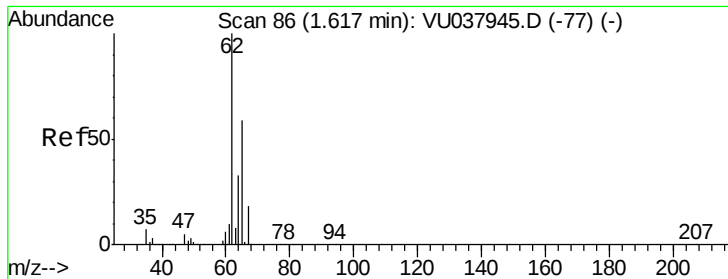
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU043020\
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Sample : L2395-11DL 200X
Misc : 5.0mL/MSVOA U/WATER
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Instrument :
MSVOA_U
ClientSampled :

Quant Time: May 01 02:20:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 01 02:16:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.160 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Instrument :

MSVOA_U

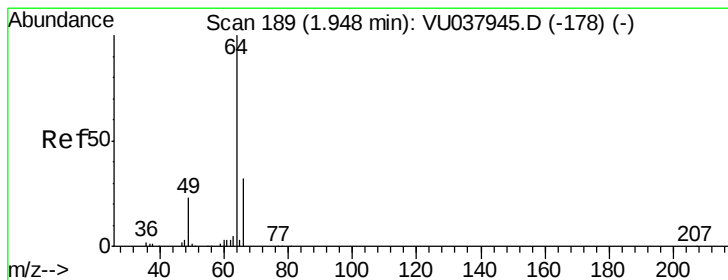
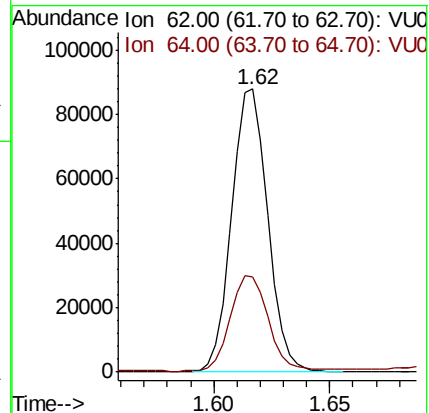
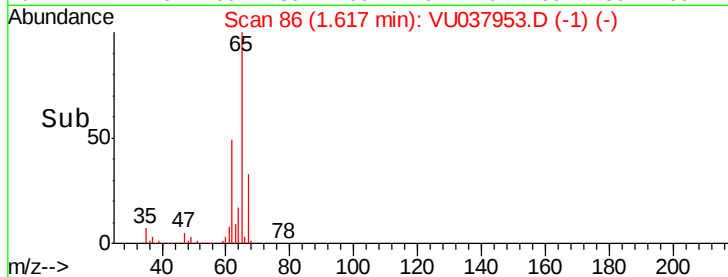
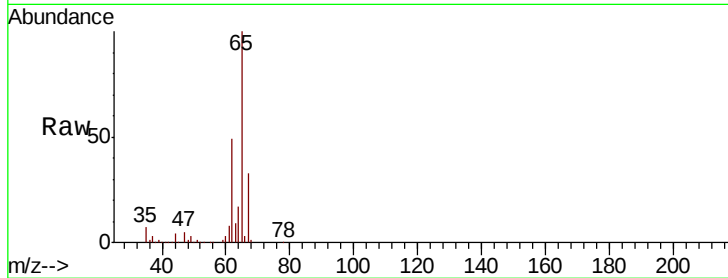
ClientSampleId :

Tot Ion: 62 Resp: 94754

Ion Ratio Lower Upper

62 100

64 33.9 23.2 43.2



#8

Chloroethane

Concen: 2.352 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU037953.D

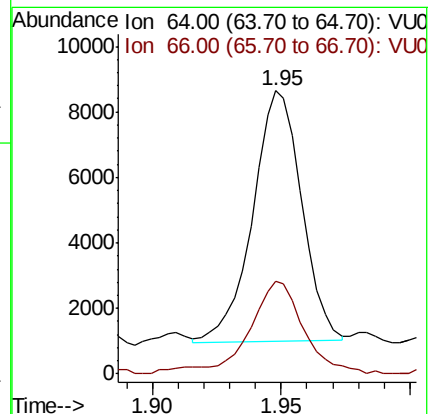
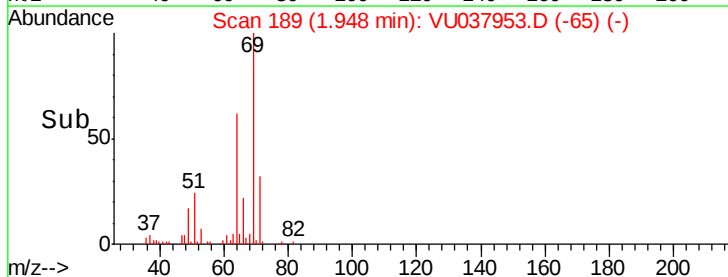
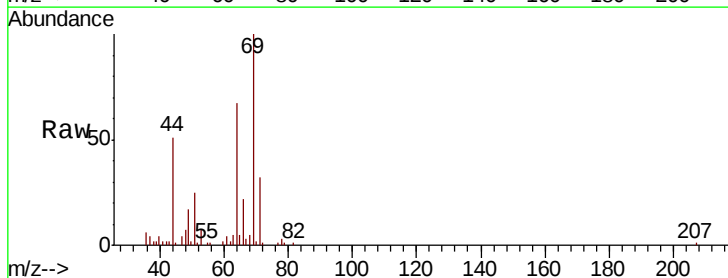
Acq: 30 Apr 2020 15:48

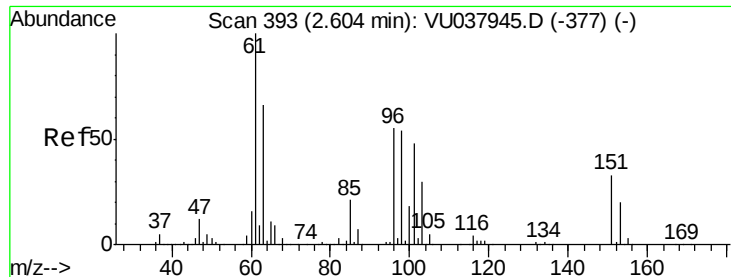
Tgt Ion: 64 Resp: 10185

Ion Ratio Lower Upper

64 100

66 33.0 22.5 41.7





#12

1,1-Dichloroethene

Concen: 2.931 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Instrument :

MSVOA_U

ClientSampled :

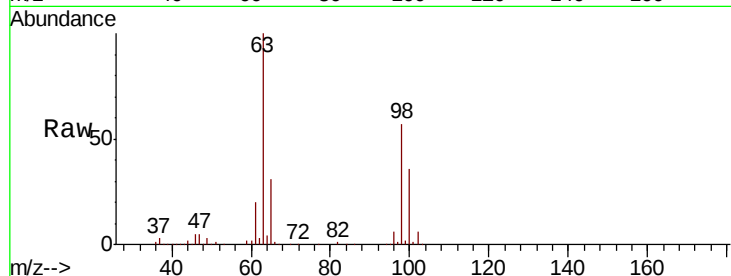
Tot Ion: 96 Resp: 13794

Ion Ratio Lower Upper

96 100

61 358.7 126.1 234.3#

63 1773.1 83.4 154.8#



Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU037945.D (-377) (-)

300000

250000

200000

150000

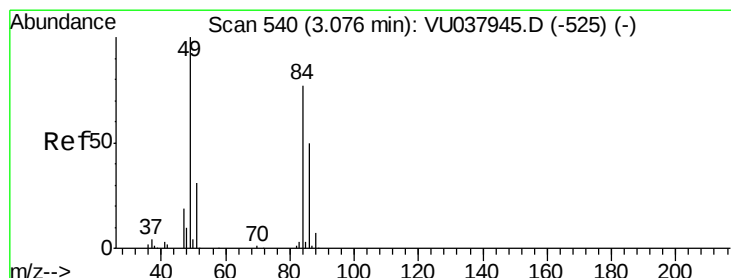
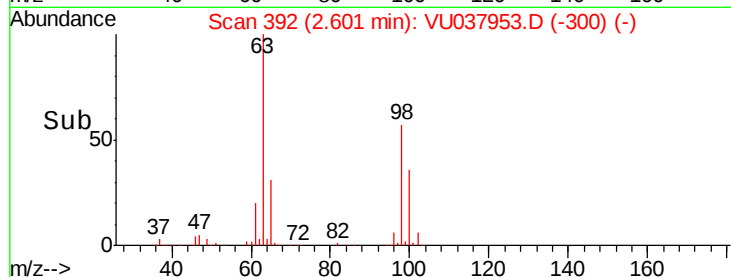
100000

50000

0

2.55 2.60 2.65

Time-->



#16

Methylene chloride

Concen: 15.298 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

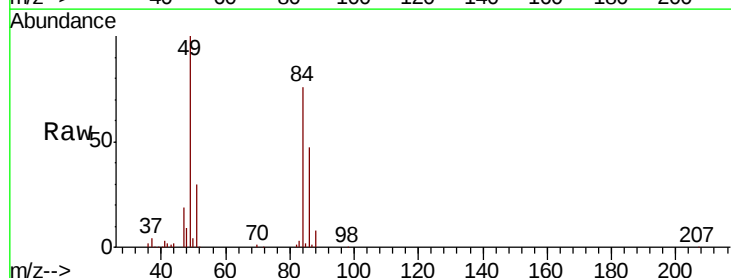
Tgt Ion: 84 Resp: 84873

Ion Ratio Lower Upper

84 100

86 62.4 45.1 83.9

49 131.9 91.2 169.4



Abundance Ion 84.00 (83.70 to 84.70): VU037945.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU037945.D (-525) (-)

Ion 49.00 (48.70 to 49.70): VU037945.D (-525) (-)

80000

60000

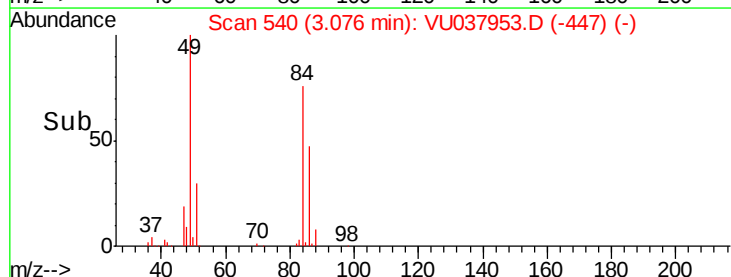
40000

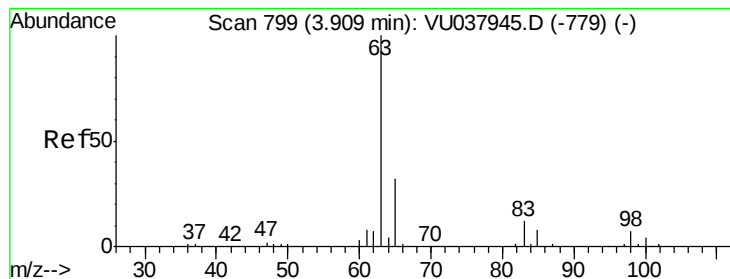
20000

0

3.00 3.05 3.10 3.15

Time-->





#19

1,1-Dichloroethane

Concen: 5.935 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Instrument :

MSVOA_U

ClientSampleId :

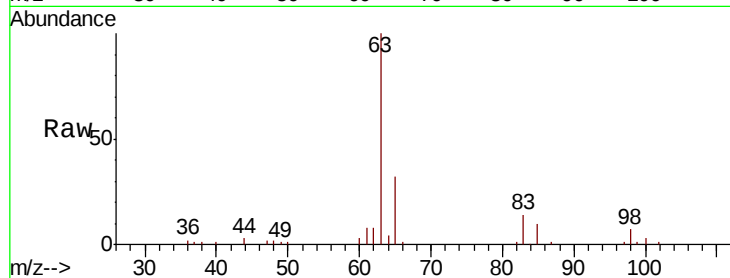
Tot Ion: 63 Resp: 60076

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

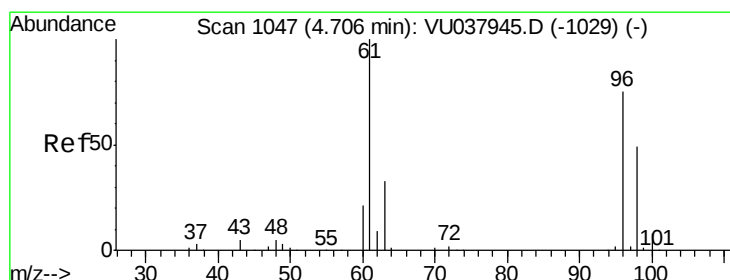
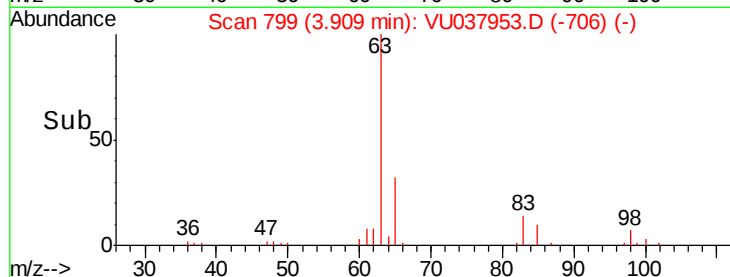
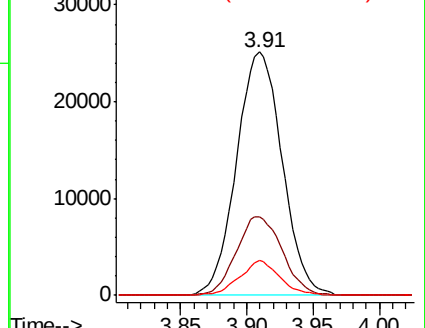
83 14.1 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU037945.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU037945.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU037945.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 52.805 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

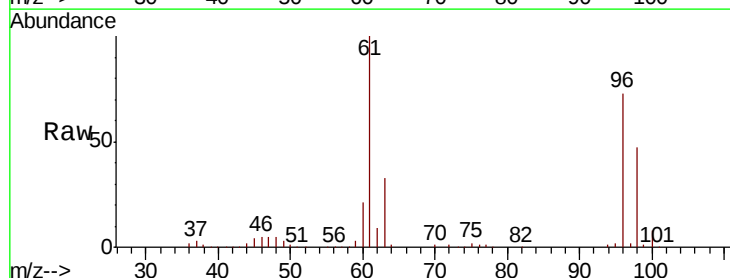
Tgt Ion: 96 Resp: 296710

Ion Ratio Lower Upper

96 100

61 137.0 93.9 174.3

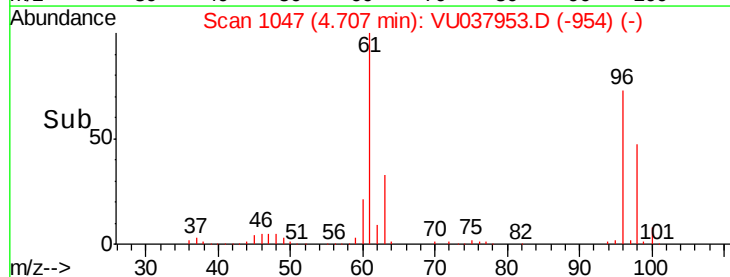
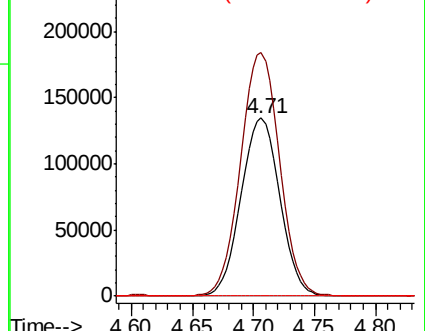
68 0.0 0.0 0.0

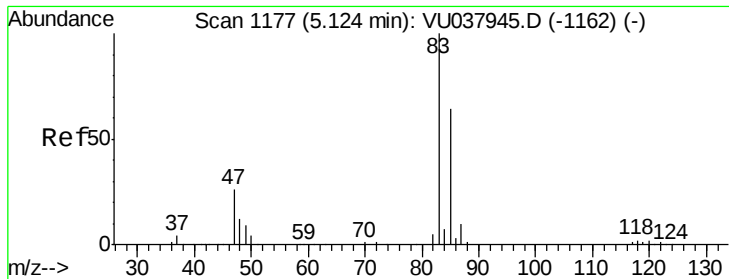


Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037945.D (-1029) (-)

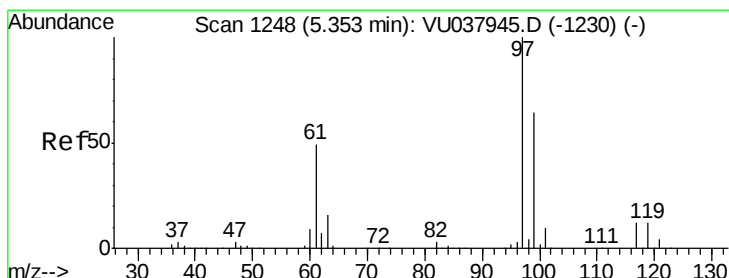
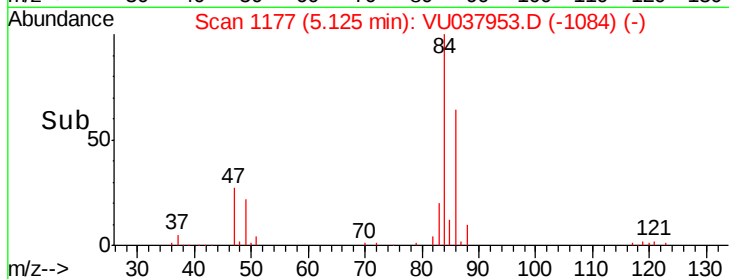
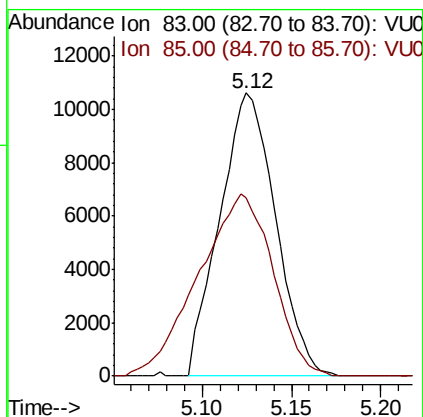
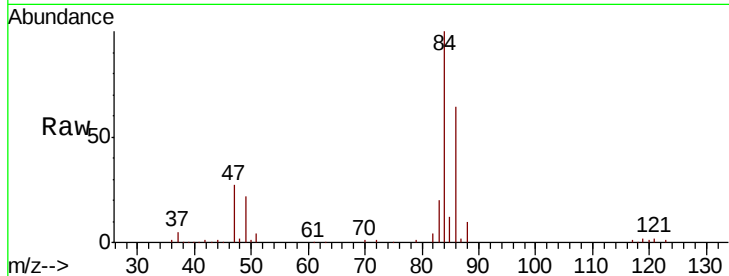




#25
Chloroform
Concen: 2.385 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037953.D
Acq: 30 Apr 2020 15:48

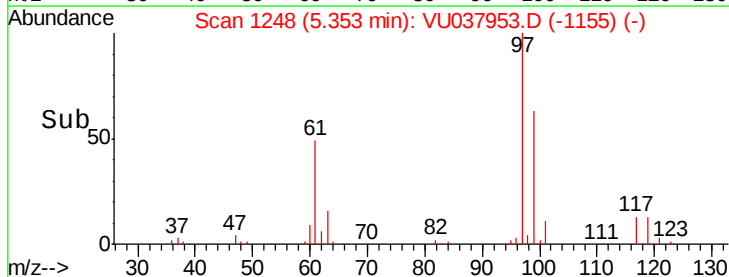
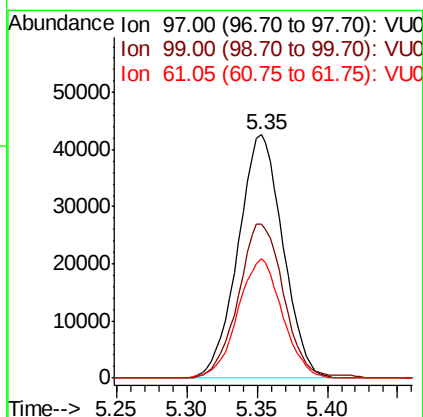
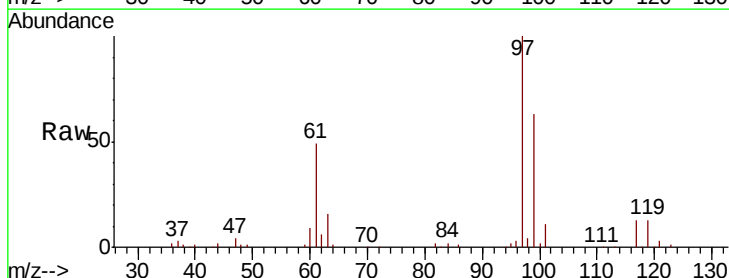
Instrument :
MSVOA_U
ClientSampled :

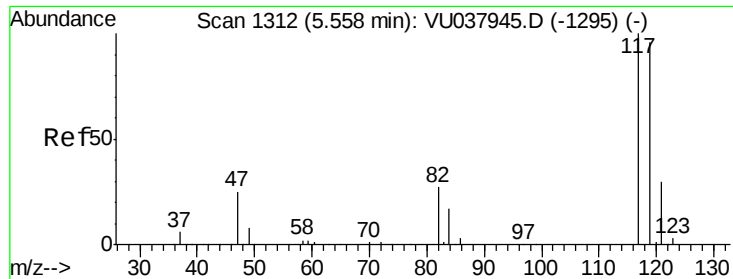
Tot Ion: 83 Resp: 23179
Ion Ratio Lower Upper
83 100
85 62.8 45.0 83.6



#30
1,1,1-Trichloroethane
Concen: 12.296 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037953.D
Acq: 30 Apr 2020 15:48

Tgt Ion: 97 Resp: 94634
Ion Ratio Lower Upper
97 100
99 64.0 50.5 75.7
61 48.8 38.8 58.2





#31

Carbon tetrachloride

Concen: 1.999 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.21 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

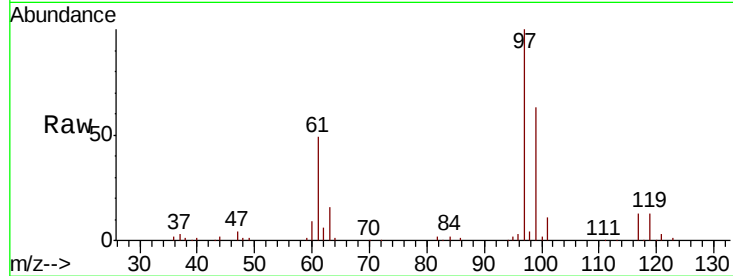
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 12144

Ion Ratio Lower Upper

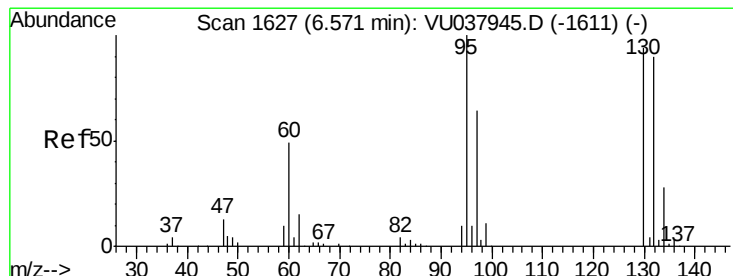
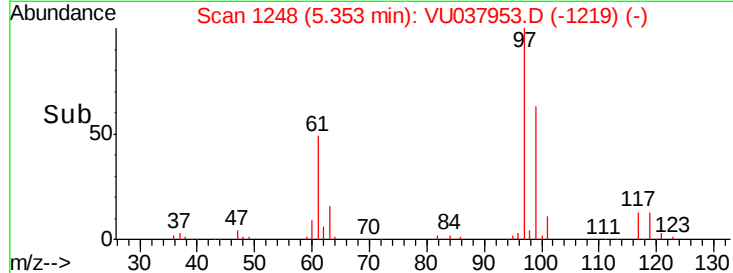
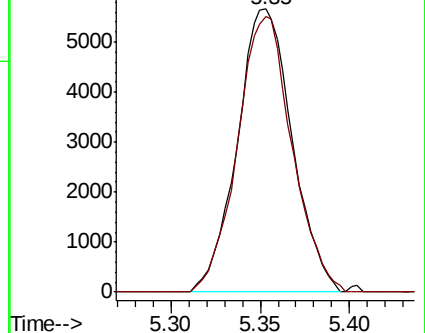
117 100

119 96.8 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: 46.463 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Tgt Ion: 95 Resp: 243867

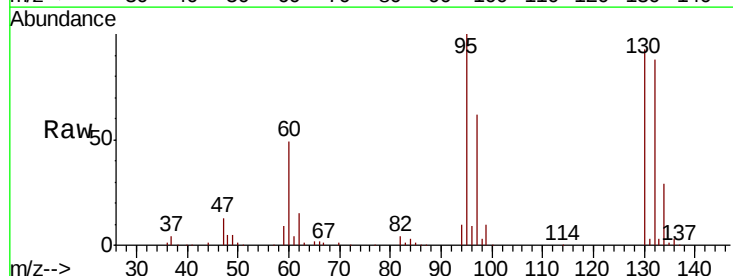
Ion Ratio Lower Upper

95 100

97 61.8 44.9 83.5

132 87.5 63.2 117.4

130 92.7 65.9 122.3

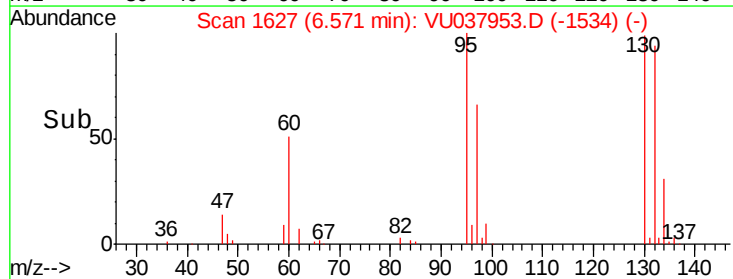
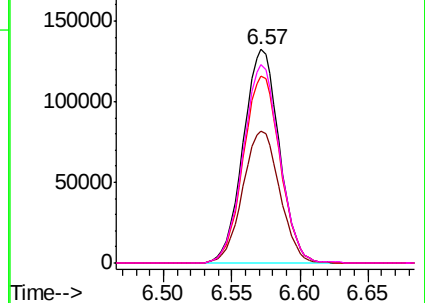


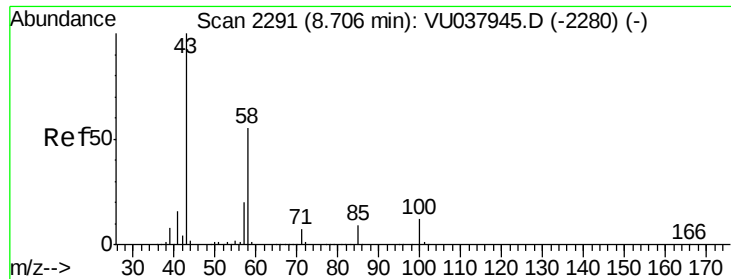
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

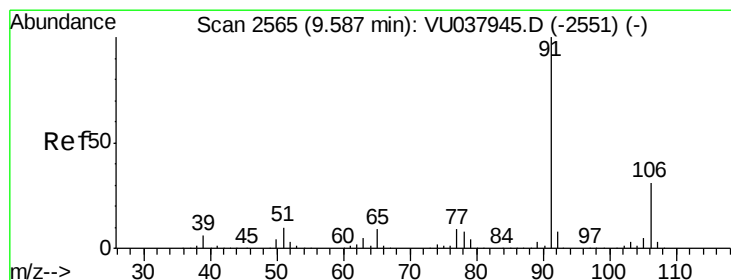
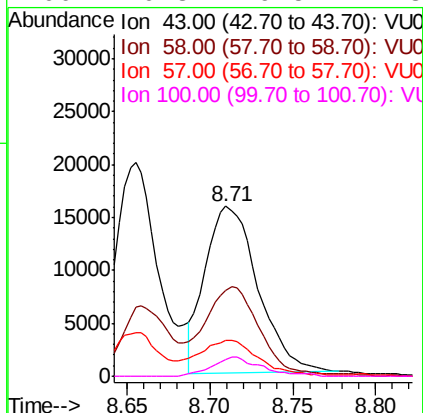
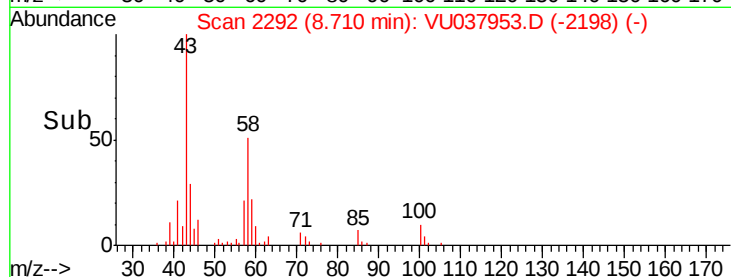
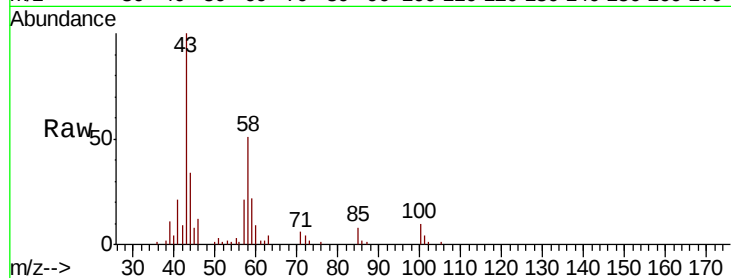




#48
2-Hexanone
Concen: 4.552 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU037953.D
Acq: 30 Apr 2020 15:48

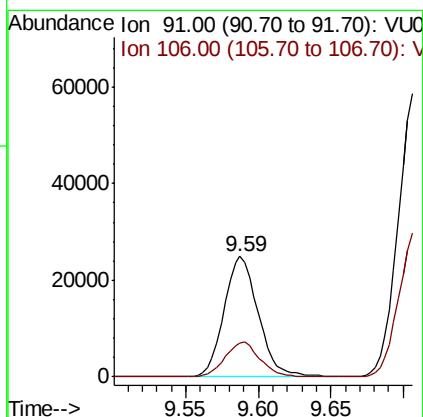
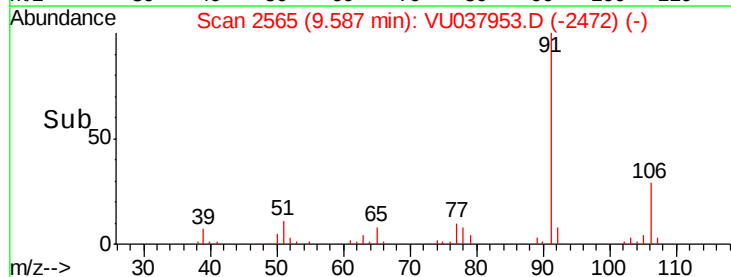
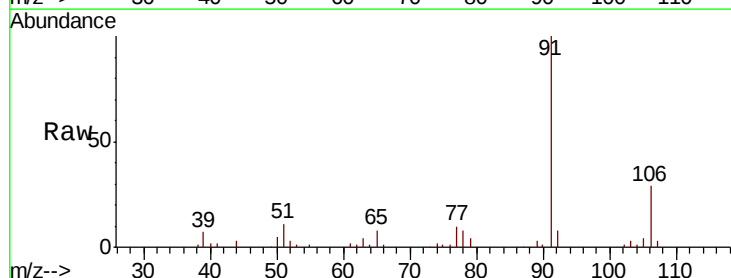
Instrument :
MSVOA_U
ClientSampleId :

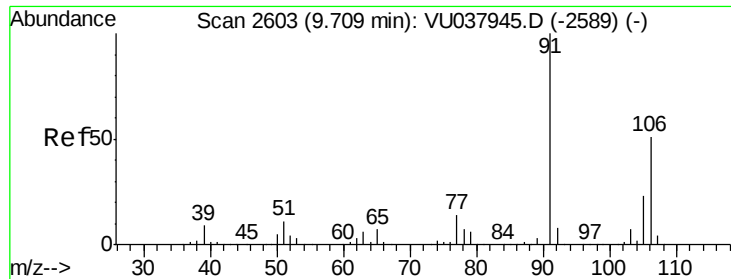
Tot Ion: 43 Resp: 35172
Ion Ratio Lower Upper
43 100
58 54.7 46.4 69.6
57 22.6 16.4 24.6
100 10.3 9.5 14.3



#52
Ethylbenzene
Concen: 1.620 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. 0.00 min
Lab File: VU037953.D
Acq: 30 Apr 2020 15:48

Tgt Ion: 91 Resp: 40830
Ion Ratio Lower Upper
91 100
106 28.5 21.6 40.2





#53

m,p-Xylene

Concen: 5.455 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Instrument :

MSVOA_U

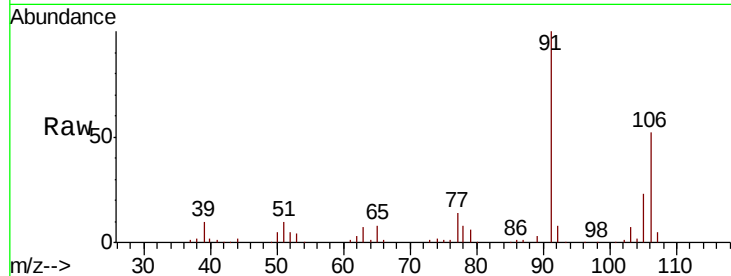
ClientSampleId :

Tot Ion:106 Resp: 52208

Ion Ratio Lower Upper

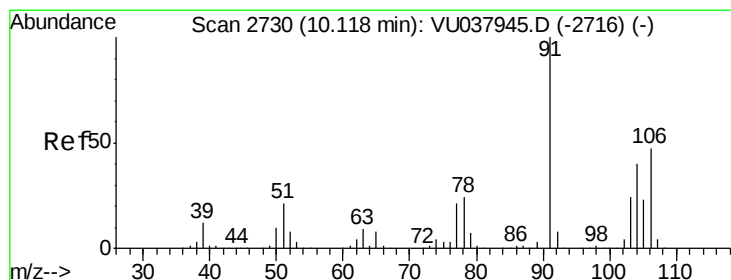
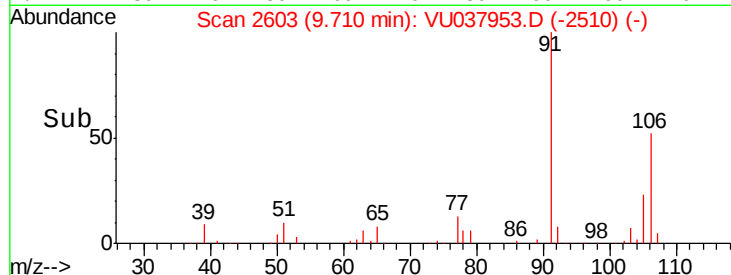
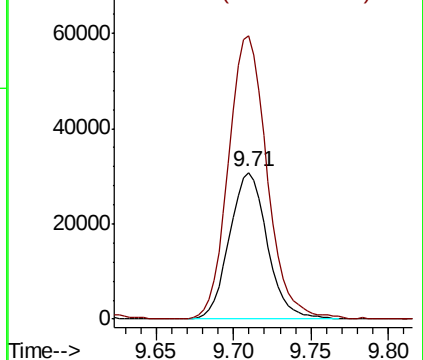
106 100

91 193.0 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.773 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU037953.D

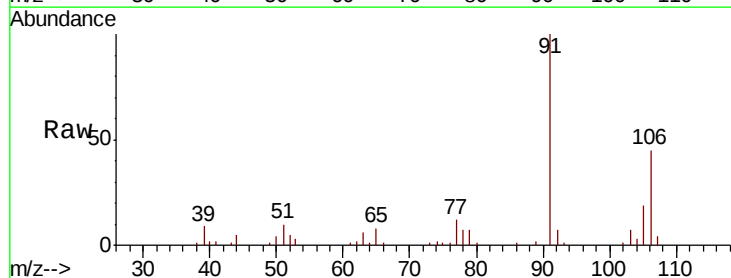
Acq: 30 Apr 2020 15:48

Tgt Ion:106 Resp: 16712

Ion Ratio Lower Upper

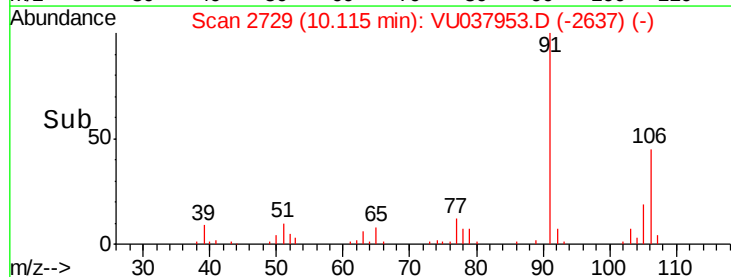
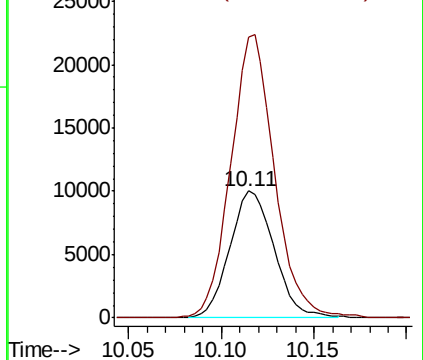
106 100

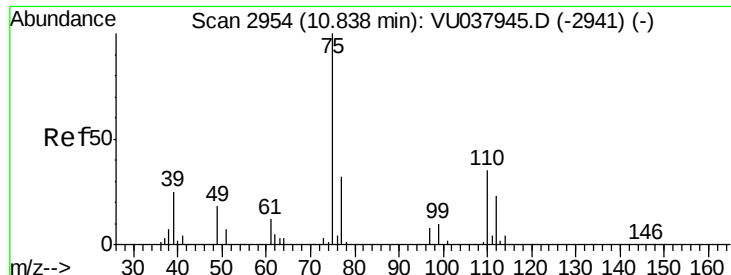
91 221.5 149.4 277.4



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: 5.493 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037953.D

Acq: 30 Apr 2020 15:48

Instrument :

MSVOA_U

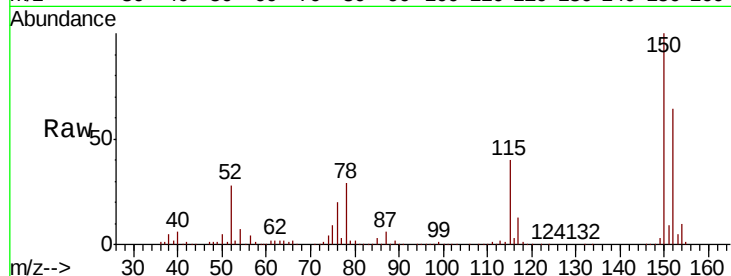
ClientSampleId :

Tot Ion: 75 Resp: 44075

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

