

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\
 Data File : VU037516.D
 Acq On : 31 Mar 2020 23:40
 Operator : JC/MD
 Sample : L2065-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 01 01:29:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR033120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 01 01:25:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	90641	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	84619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39965	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	22566	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.93	69	22236	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.40%
11) 1,1-Dichloroethene-d2	2.59	63	32070	2.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	49.60%#
20) 2-Butanone-d5	4.67	46	94151	46.17	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.34%
24) Chloroform-d	5.11	84	46744	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.00%
26) 1,2-Dichloroethane-d4	5.74	65	28509	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
32) Benzene-d6	5.76	84	95096	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.80%
36) 1,2-Dichloropropane-d6	6.72	67	33395	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.93	98	80947	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	8.20	79	13785	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.65	63	78773	46.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	29092	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	31771	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

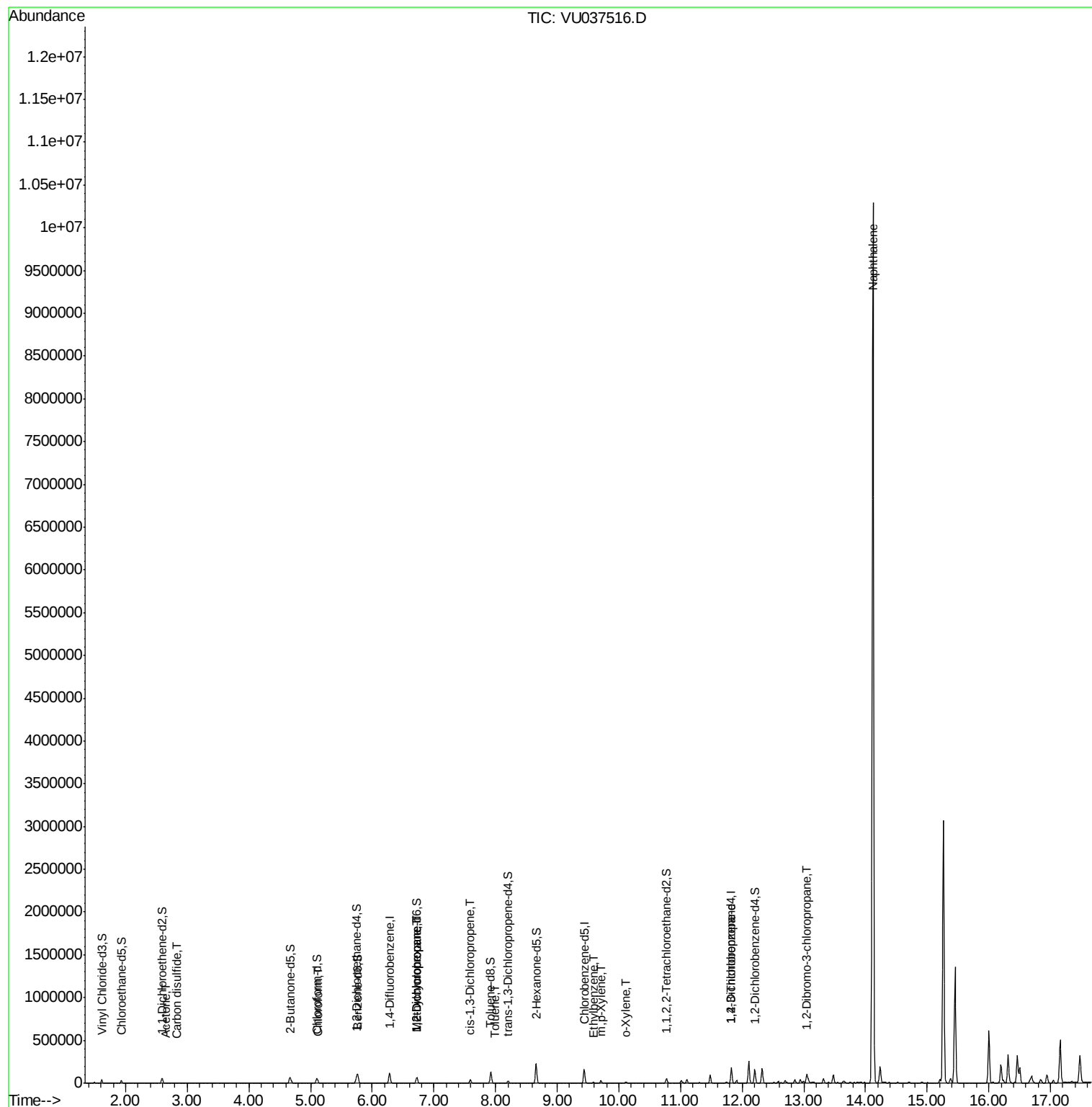
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.66	43	3543	3.070	ug/L	99
14) Carbon disulfide	2.82	76	1540	0.076	ug/L #	74
25) Chloroform	5.13	83	3027	0.249	ug/L	94
35) Methylcyclohexane	6.73	83	7292	0.635	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	3610	0.517	ug/L #	89
39) cis-1,3-Dichloropropene	7.59	75	1003	0.092	ug/L #	3
42) Toluene	8.00	91	2301	0.083	ug/L	98
52) Ethylbenzene	9.59	91	5880	0.182	ug/L	96
53) m,p-Xylene	9.71	106	7991	0.666	ug/L	97
54) o-Xylene	10.12	106	3874	0.341	ug/L	77
59) 1,2,3-Trichloropropane	11.83	75	6624	1.379	ug/L	94
66) 1,2-Dibromo-3-chloropropan	13.05	75	2255	1.743	ug/L #	5
69) Naphthalene	14.12	128	7510270	368.807	ug/L	99

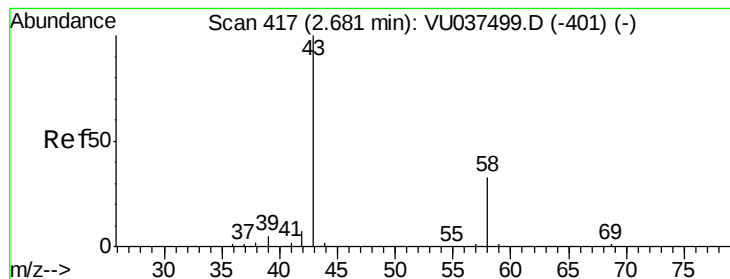
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Response via : Initial Calibration





#13

Acetone

Concen: 3.070 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU037516.D

Acq: 31 Mar 2020 23:40

Instrument :

MSVOA_U

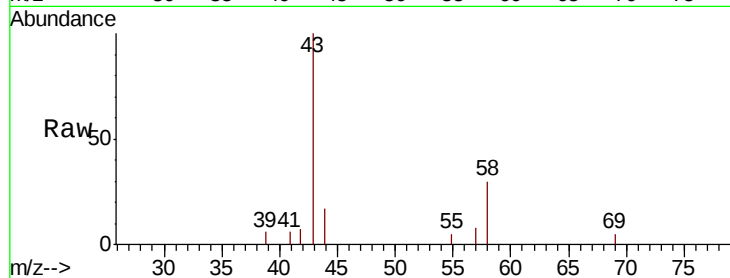
ClientSampleId :

Tot Ion: 43 Resp: 3543

Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037499.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU037499.D (-401) (-)

2.66

2000

1500

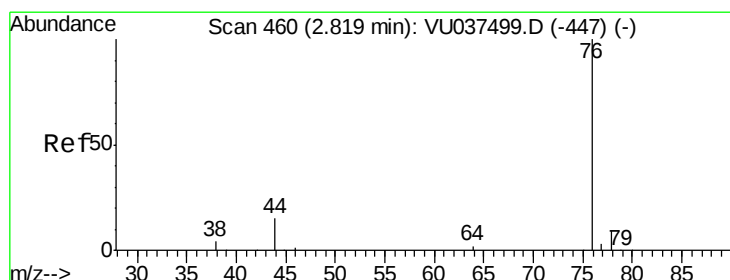
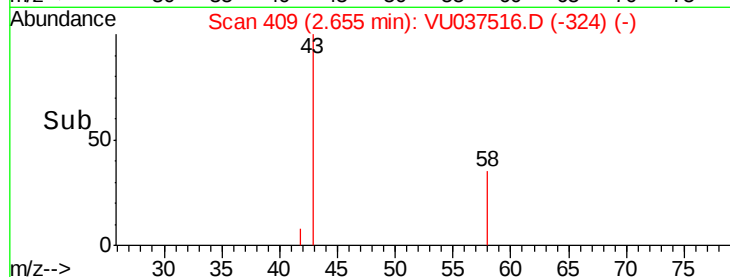
1000

500

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037516.D

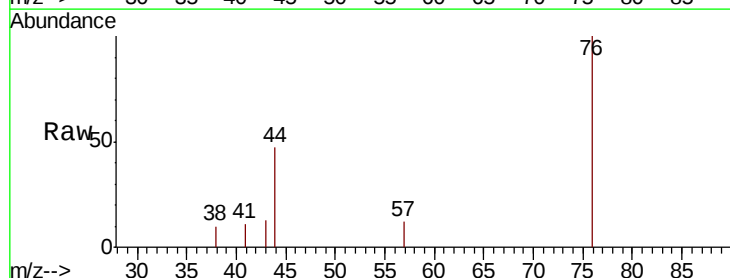
Acq: 31 Mar 2020 23:40

Tgt Ion: 76 Resp: 1540

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU037499.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037499.D (-447) (-)

1200

1000

800

600

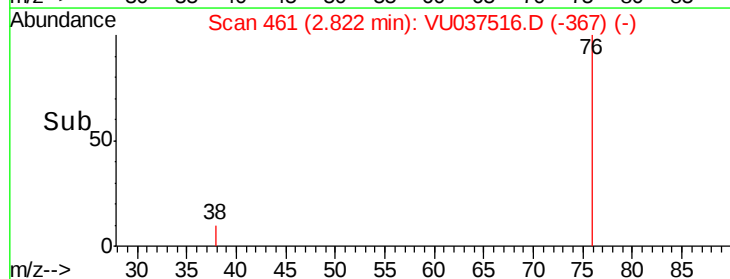
400

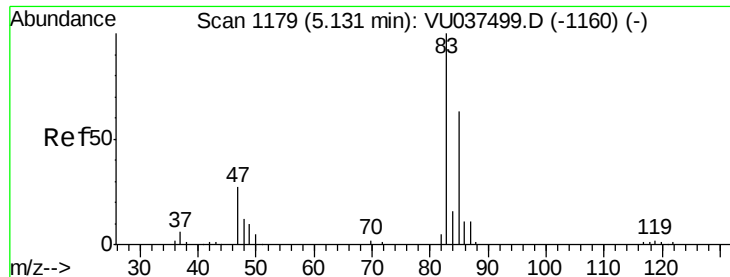
200

0

2.80 2.85

Time-->

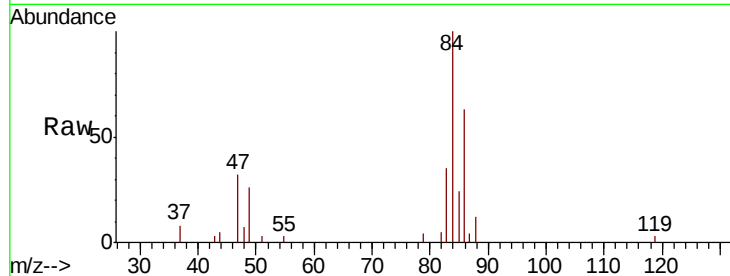




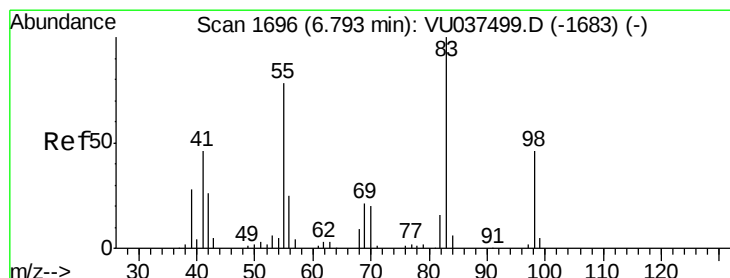
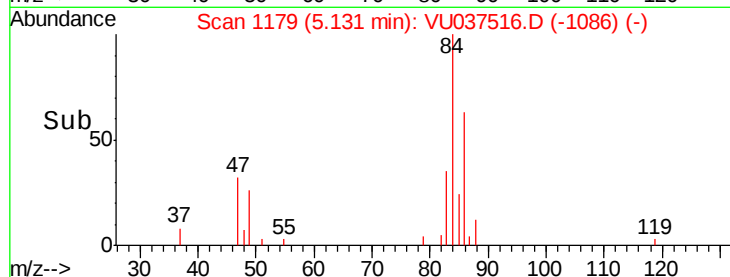
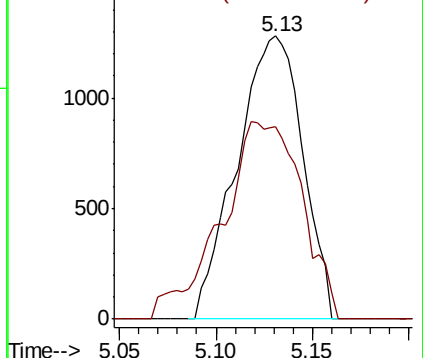
#25
Chloroform
Concen: 0.249 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037516.D
Acq: 31 Mar 2020 23:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3027
Ion Ratio Lower Upper
83 100
85 67.9 44.1 81.9

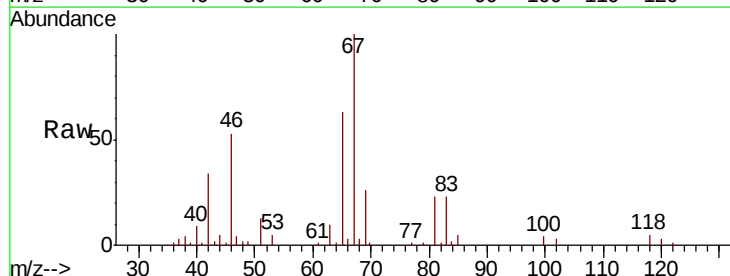


Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

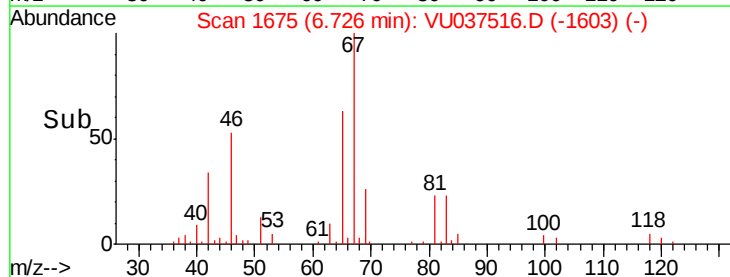
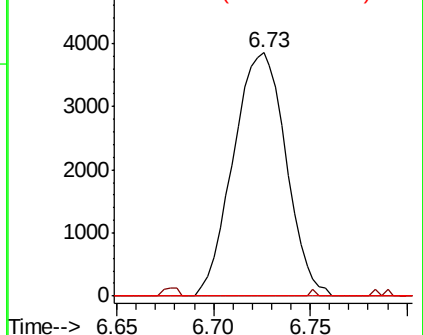


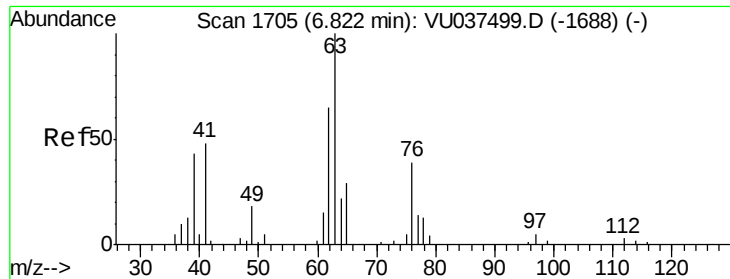
#35
Methylcyclohexane
Concen: 0.635 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU037516.D
Acq: 31 Mar 2020 23:40

Tgt Ion: 83 Resp: 7292
Ion Ratio Lower Upper
83 100
55 0.3 64.4 96.6#
98 0.0 38.2 57.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

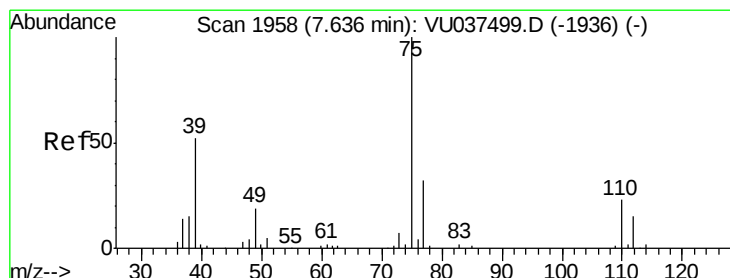
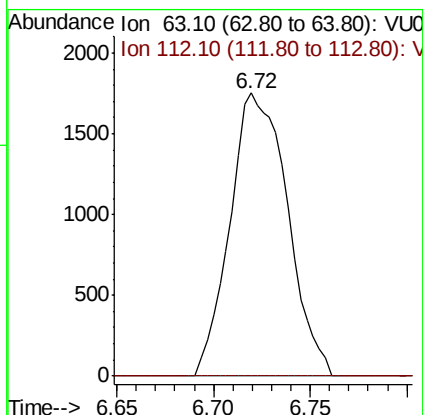
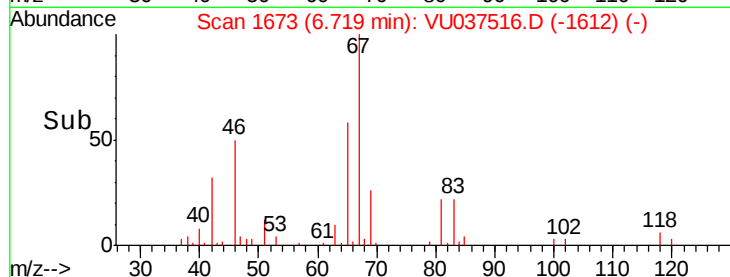
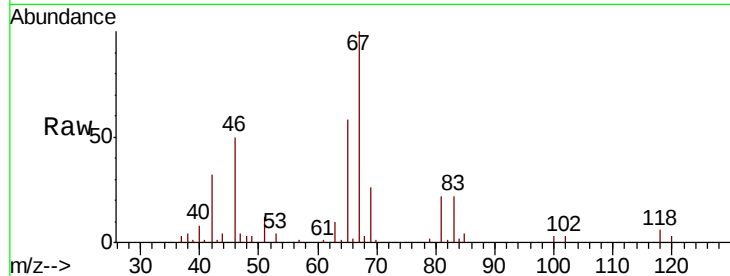




#37
 1,2-Dichloropropane
 Concen: 0.517 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU037516.D
 Acq: 31 Mar 2020 23:40

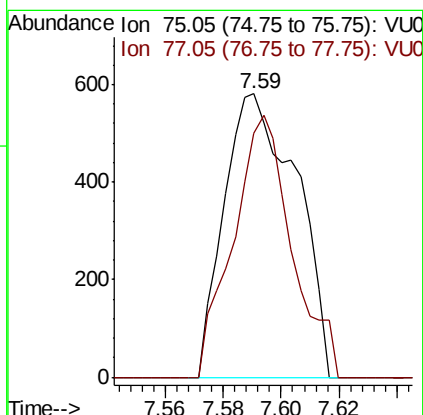
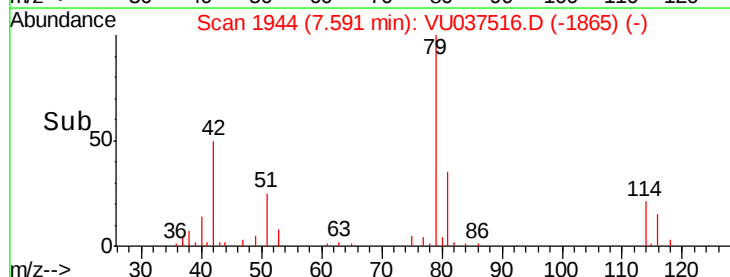
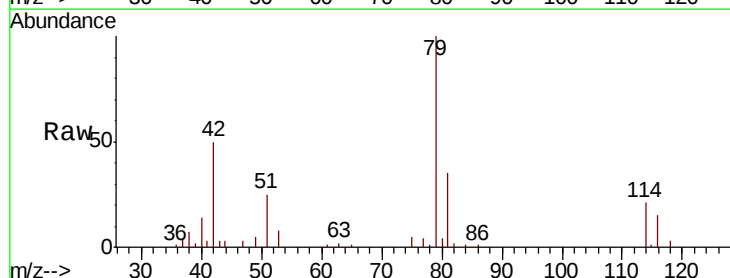
Instrument :
 MSVOA_U
 ClientSampled :

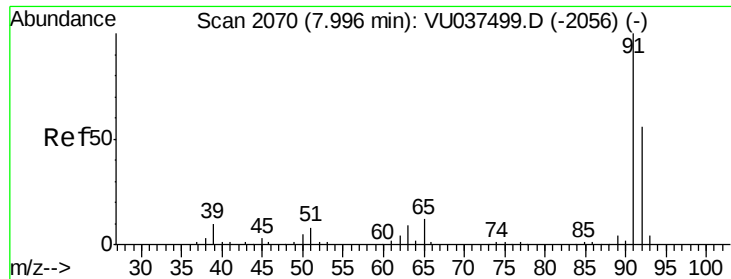
Tot Ion: 63 Resp: 3610
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037516.D
 Acq: 31 Mar 2020 23:40

Tgt Ion: 75 Resp: 1003
 Ion Ratio Lower Upper
 75 100
 77 85.9 22.4 41.6#





#42

Toluene

Concen: 0.083 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037516.D

Acq: 31 Mar 2020 23:40

Instrument :

MSVOA_U

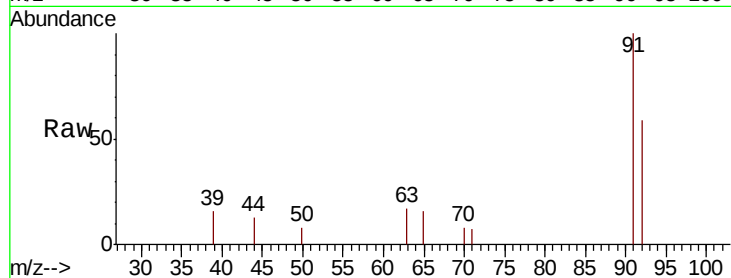
ClientSampleId :

Tot Ion: 91 Resp: 2301

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037499.D (-2056) (-)

8.00

1500

1000

500

0

7.95

8.00

8.05

8.10

8.15

8.20

8.25

8.30

8.35

8.40

8.45

8.50

8.55

8.60

8.65

8.70

8.75

8.80

8.85

8.90

8.95

9.00

9.05

9.10

9.15

9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

10.10

10.15

10.20

10.25

10.30

10.35

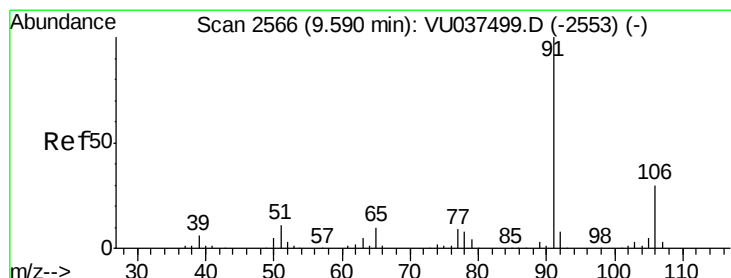
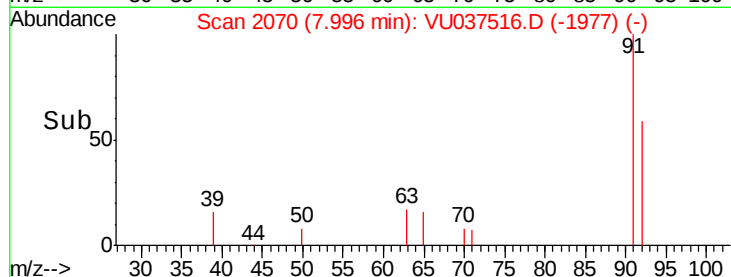
10.40

10.45

10.50

10.55

10.60



#52

Ethylbenzene

Concen: 0.182 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037516.D

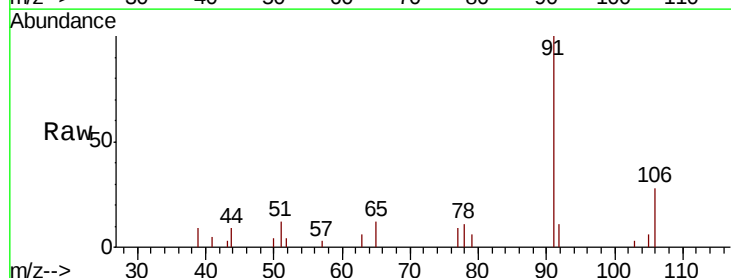
Acq: 31 Mar 2020 23:40

Tgt Ion: 91 Resp: 5880

Ion Ratio Lower Upper

91 100

106 28.1 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU037499.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU037499.D (-2553) (-)

9.59

4000

3000

2000

1000

0

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

10.10

10.15

10.20

10.25

10.30

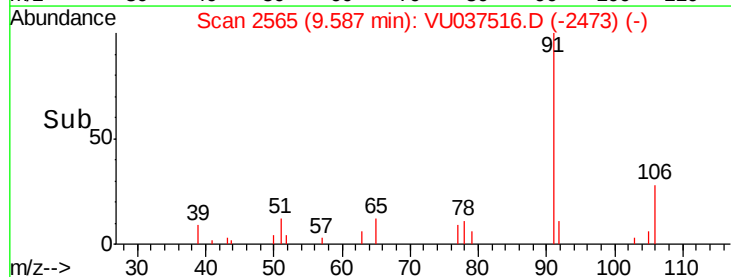
10.35

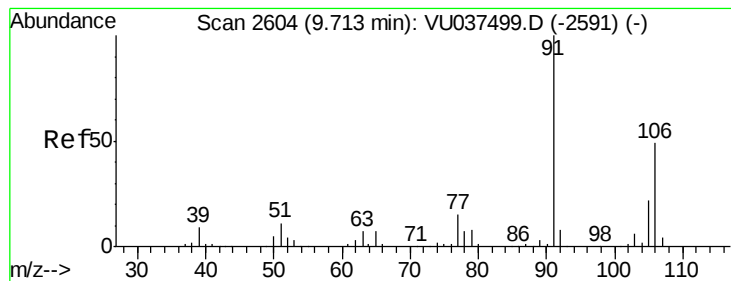
10.40

10.45

10.50

10.55





#53

m,p-Xylene

Concen: 0.666 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037516.D

Acq: 31 Mar 2020 23:40

Instrument :

MSVOA_U

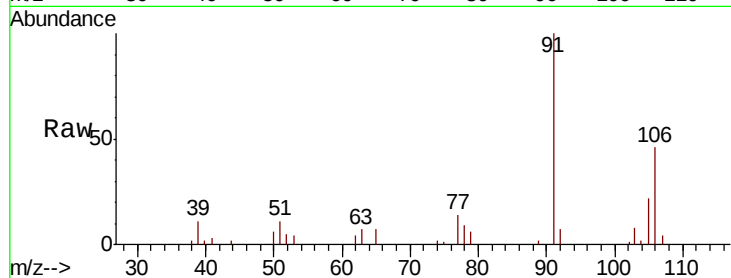
ClientSampled :

Tot Ion:106 Resp: 7991

Ion Ratio Lower Upper

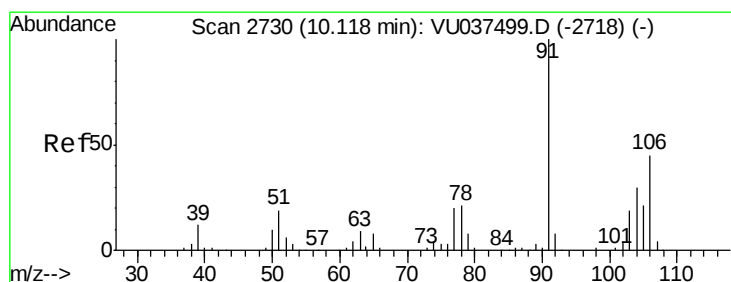
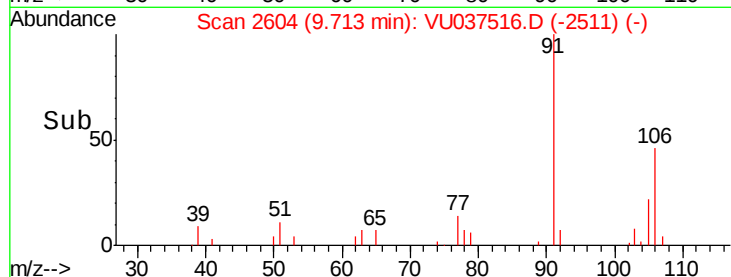
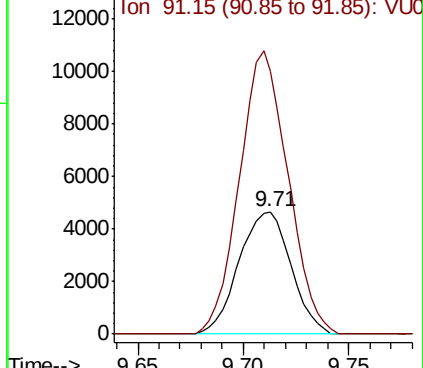
106 100

91 215.1 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.341 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU037516.D

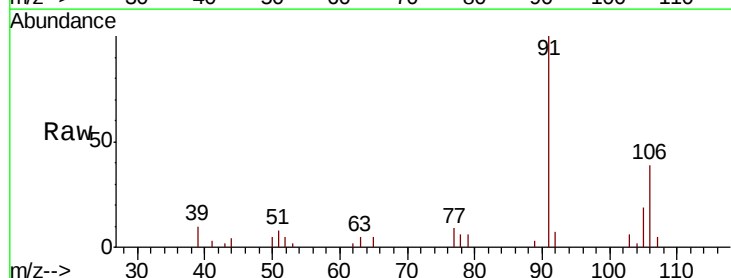
Acq: 31 Mar 2020 23:40

Tgt Ion:106 Resp: 3874

Ion Ratio Lower Upper

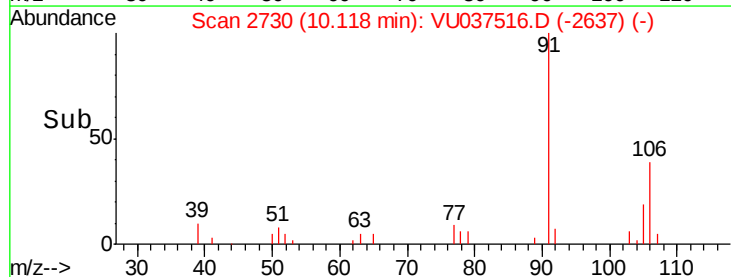
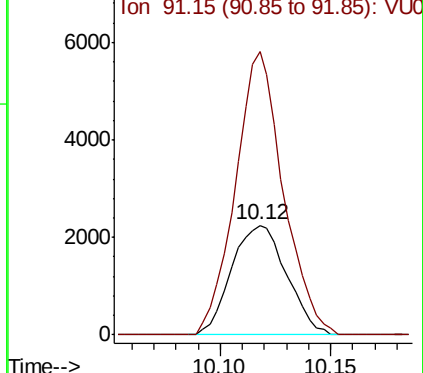
106 100

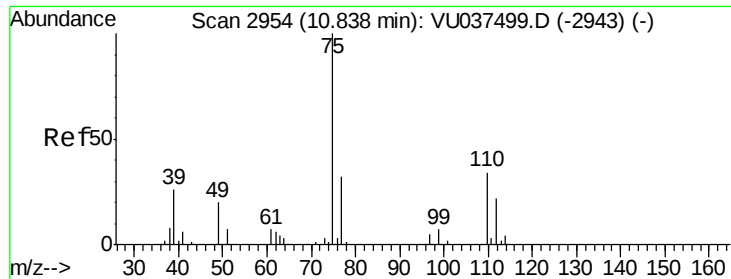
91 259.0 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

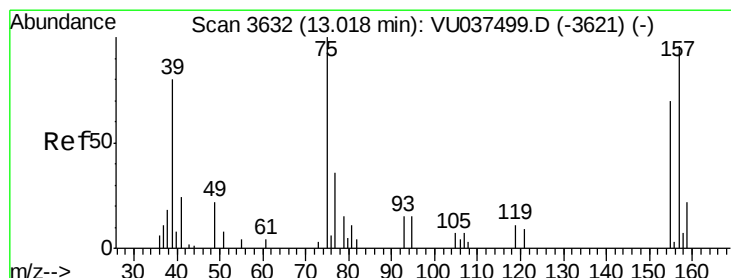
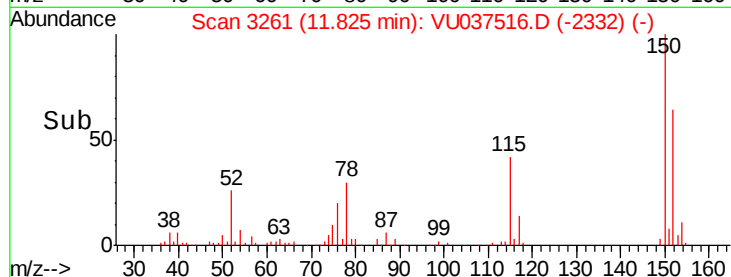
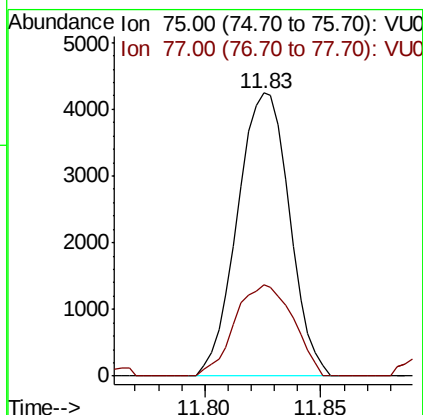
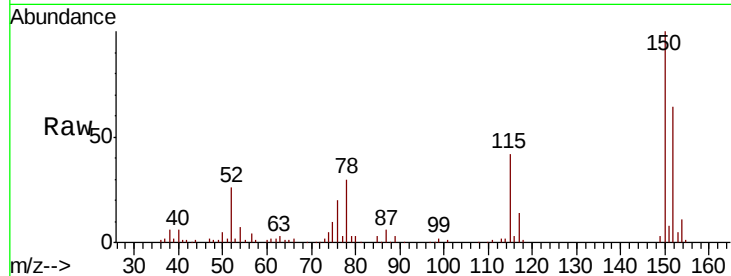




#59
 1,2,3-Trichloropropane
 Concen: 1.379 ug/L
 RT: 11.83 min Scan# 3261
 Delta R.T. 0.99 min
 Lab File: VU037516.D
 Acq: 31 Mar 2020 23:40

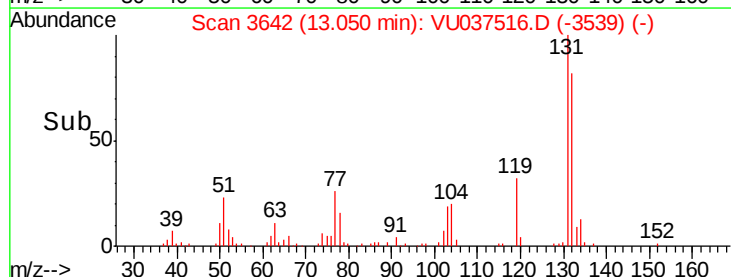
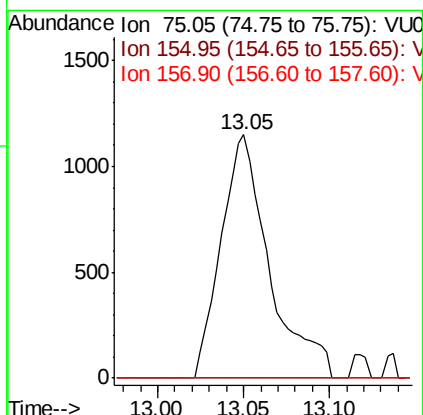
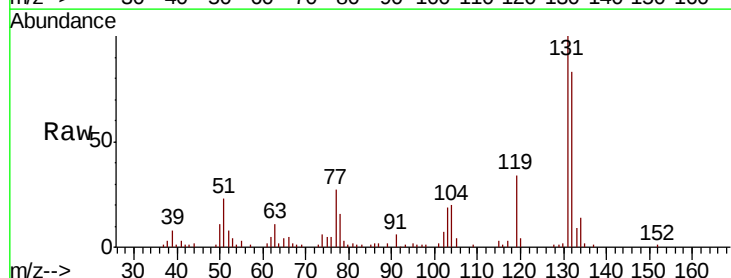
Instrument :
 MSVOA_U
 ClientSampled :

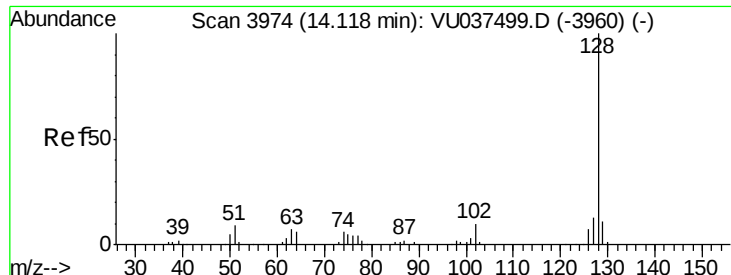
Tot Ion: 75 Resp: 6624
 Ion Ratio Lower Upper
 75 100
 77 36.1 26.2 39.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.743 ug/L
 RT: 13.05 min Scan# 3642
 Delta R.T. 0.03 min
 Lab File: VU037516.D
 Acq: 31 Mar 2020 23:40

Tgt Ion: 75 Resp: 2255
 Ion Ratio Lower Upper
 75 100
 155 0.0 62.4 93.6#
 157 0.0 78.7 118.1#





#69

Naphthalene

Concen: 368.807 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VU037516.D

Acq: 31 Mar 2020 23:40

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 7510270

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.0 10.2 15.2

