

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040220\
 Data File : VU037552.D
 Acq On : 02 Apr 2020 13:47
 Operator : JC/MD
 Sample : L2065-18DL 8X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 03 01:00:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 03 00:57:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	85868	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	80012	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	39910	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33650	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.93	69	28131	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.59	63	47002	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.66	46	97617	50.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.02%
24) Chloroform-d	5.10	84	58673	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.74	65	32759	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.76	84	121855	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.72	67	40539	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.92	98	115948	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	8.20	79	17876	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.66	63	90868	51.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	33517	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	43126	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
13) Acetone	2.66	43	2894	2.630 ug/L	85
14) Carbon disulfide	2.82	76	2100	0.113 ug/L #	92
16) Methylene chloride	3.08	84	749	0.112 ug/L #	69
25) Chloroform	5.13	83	7410	0.621 ug/L	90
33) Benzene	5.81	78	9630	0.379 ug/L	100
35) Methylcyclohexane	6.72	83	8688	0.774 ug/L #	18
37) 1,2-Dichloropropane	6.72	63	4790	0.699 ug/L #	90
39) cis-1,3-Dichloropropene	7.59	75	1609	0.153 ug/L #	62
42) Toluene	7.99	91	67450	2.499 ug/L	97
48) 2-Hexanone	8.66	43	11002	3.182 ug/L #	65
52) Ethylbenzene	9.59	91	84874	2.759 ug/L	99
53) m,p-Xylene	9.71	106	78512	6.791 ug/L	97
54) o-Xylene	10.12	106	30218	2.714 ug/L	97
55) Styrene	10.13	104	45249	2.353 ug/L	93
56) Isopropylbenzene	10.50	105	18864	0.622 ug/L	95
59) 1,2,3-Trichloropropane	11.01	75	1923	0.428 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.05	75	15391	12.690 ug/L #	10

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Instrument :
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Quant Time: Apr 03 01:00:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR040120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 03 00:57:17 2020
Response via : Initial Calibration

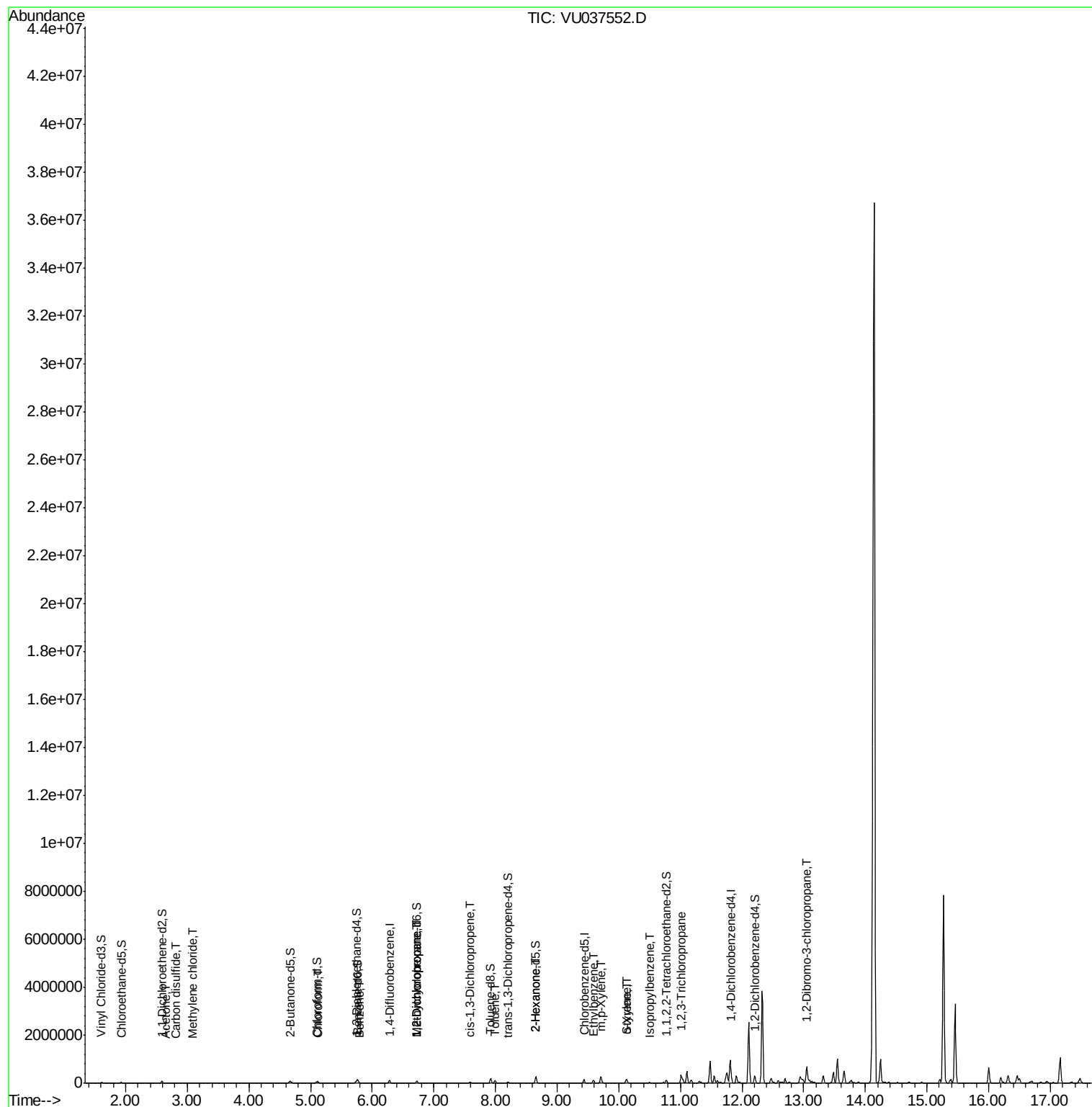
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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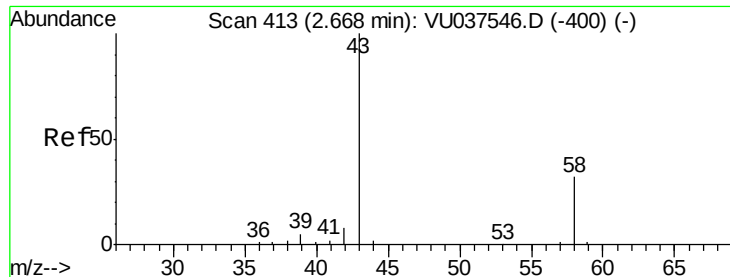
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 03 00:57:17 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.630 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

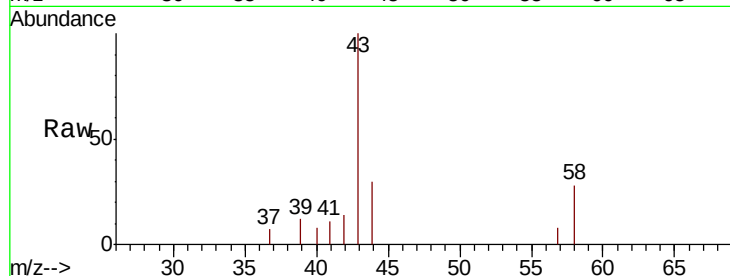
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2894

Ion Ratio Lower Upper

43 100

58 25.2 0.0 68.2



Abundance Ion 43.05 (42.75 to 43.75): VU037546.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037546.D (-400) (-)

2.66

1500

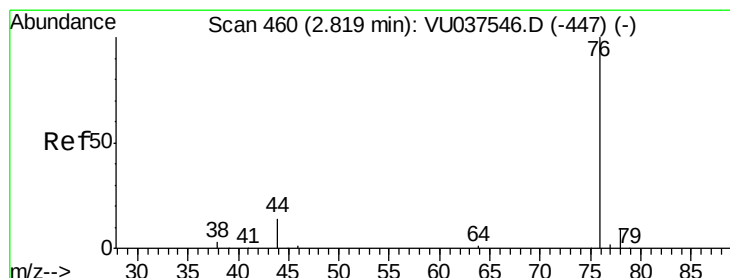
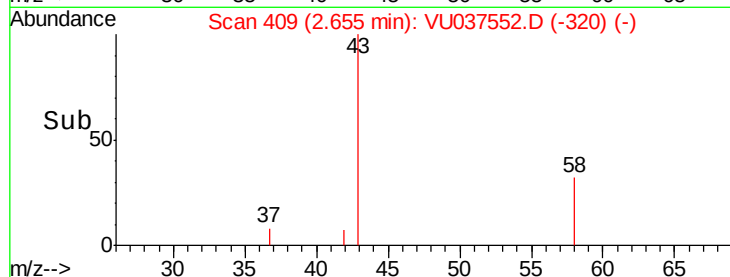
1000

500

0

2.60 2.65 2.70

Time-->



#14

Carbon disulfide

Concen: 0.113 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037552.D

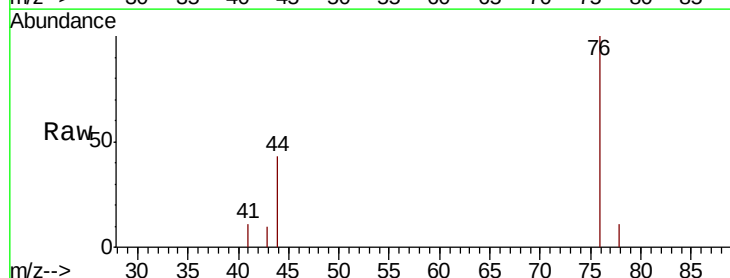
Acq: 02 Apr 2020 13:47

Tgt Ion: 76 Resp: 2100

Ion Ratio Lower Upper

76 100

78 10.6 6.3 9.5#



Abundance Ion 76.05 (75.75 to 76.75): VU037546.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU037546.D (-447) (-)

2.82

1500

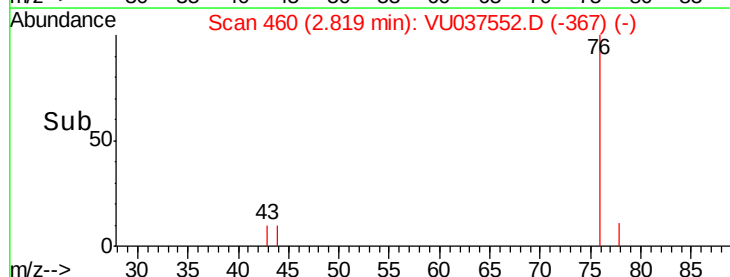
1000

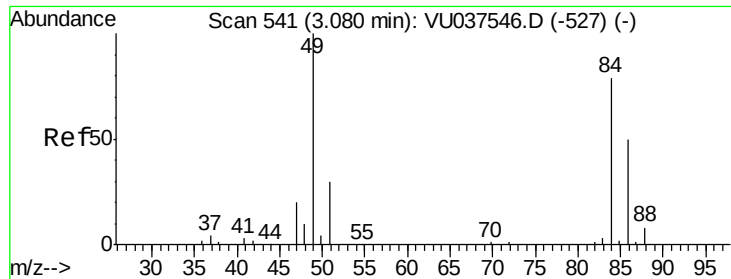
500

0

2.80 2.85

Time-->

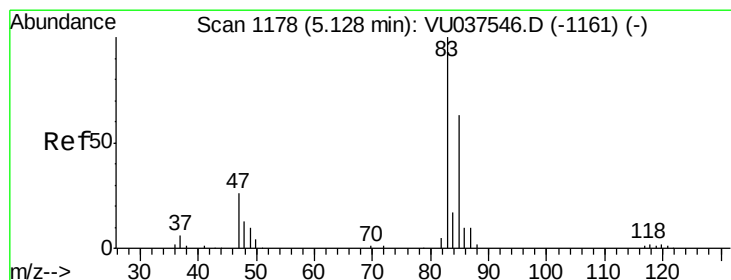
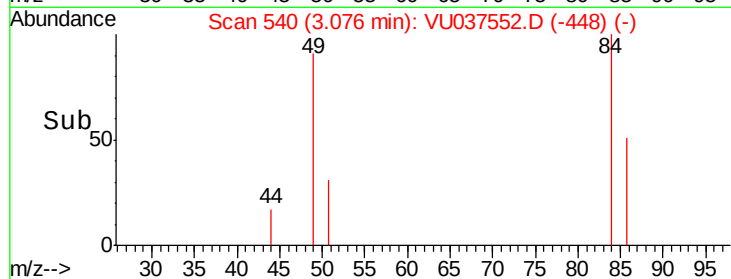
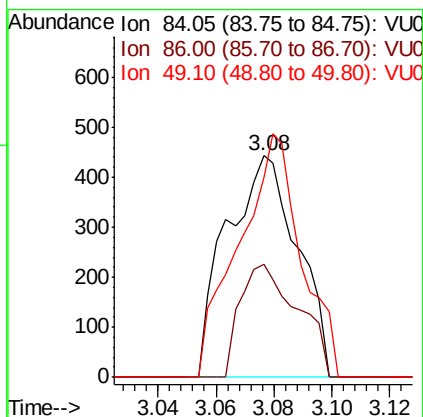
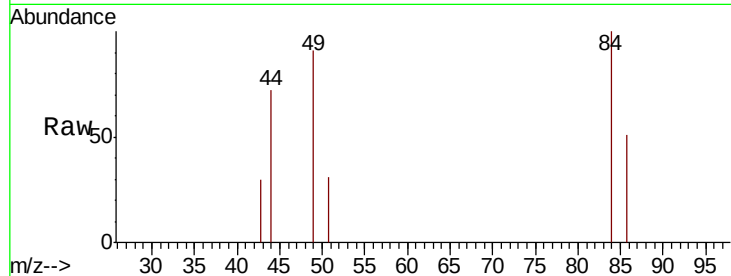




#16
Methylene chloride
Concen: 0.112 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

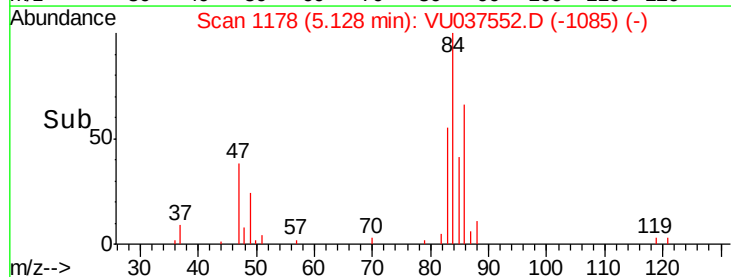
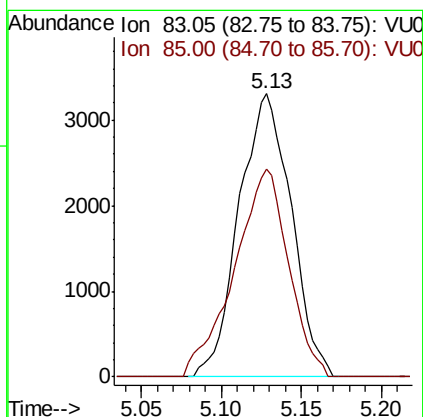
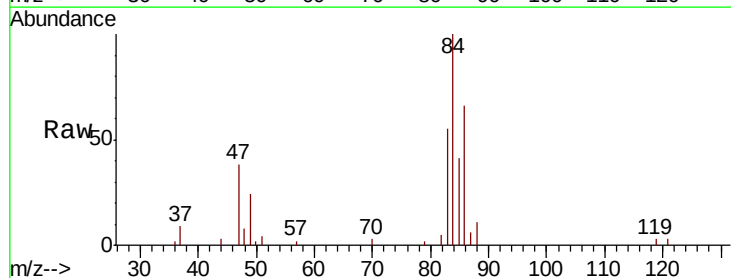
Instrument :
MSVOA_U
ClientSampleId :

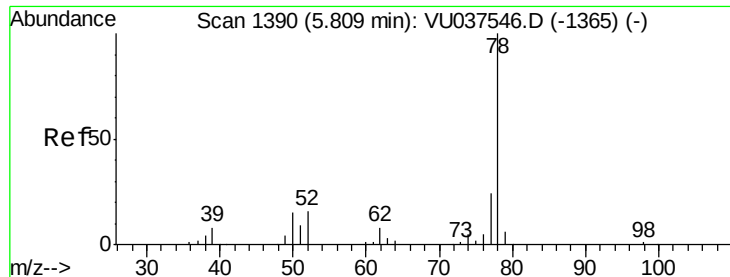
Tot Ion: 84 Resp: 749
Ion Ratio Lower Upper
84 100
86 50.8 41.6 77.3
49 90.5 97.0 180.2#



#25
Chloroform
Concen: 0.621 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

Tgt Ion: 83 Resp: 7410
Ion Ratio Lower Upper
83 100
85 73.3 45.8 85.2

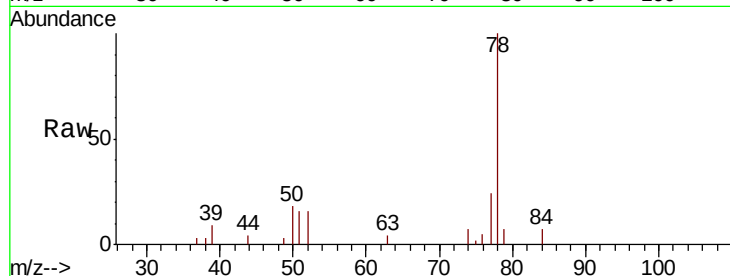




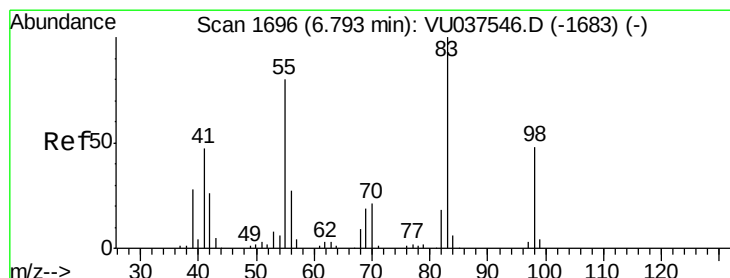
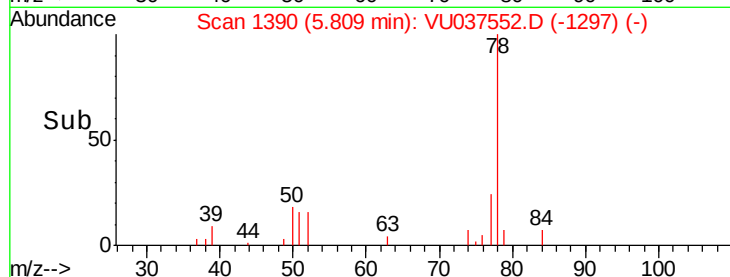
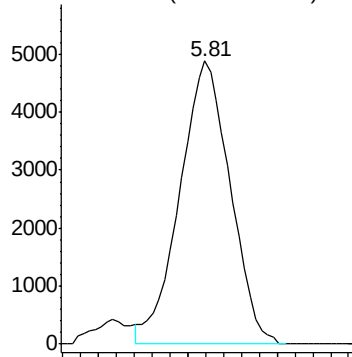
#33
Benzene
Concen: 0.379 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 9630

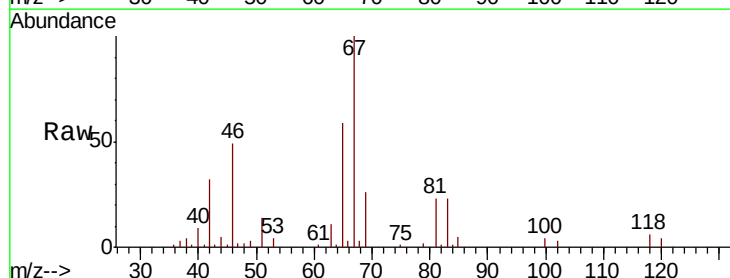


Abundance Ion 78.10 (77.80 to 78.80): VU0



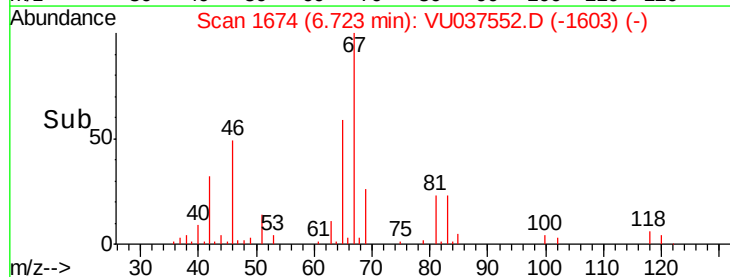
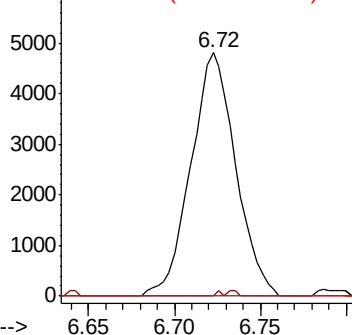
#35
Methylcyclohexane
Concen: 0.774 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

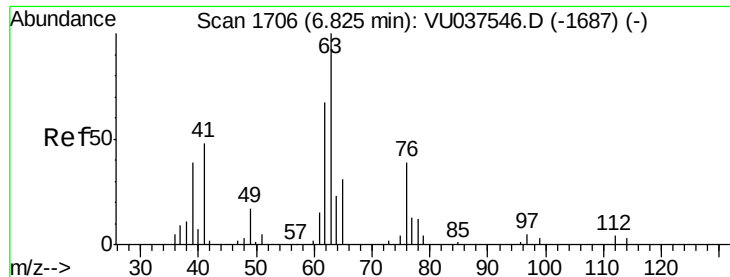
Tgt Ion: 83 Resp: 8688
Ion Ratio Lower Upper
83 100
55 0.7 63.0 94.6#
98 0.0 35.3 52.9#



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

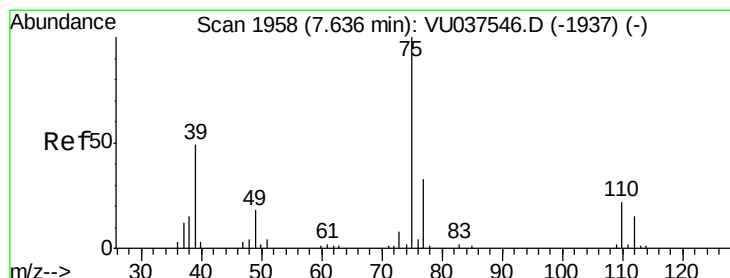
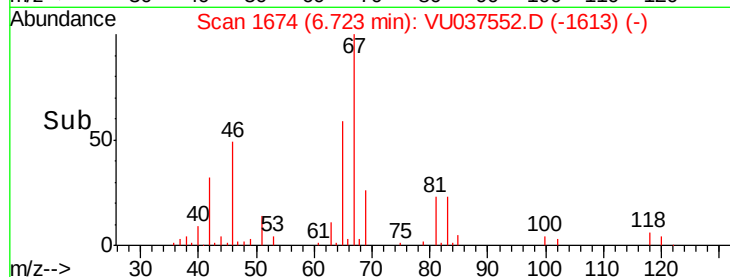
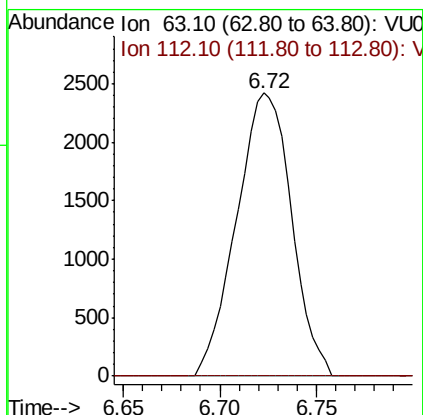
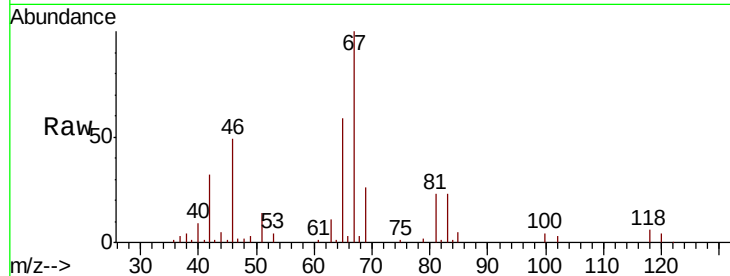




#37
 1,2-Dichloropropane
 Concen: 0.699 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU037552.D
 Acq: 02 Apr 2020 13:47

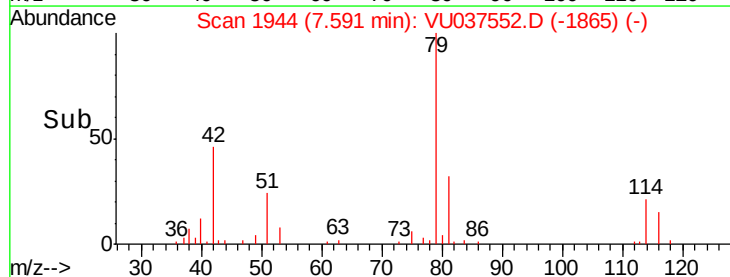
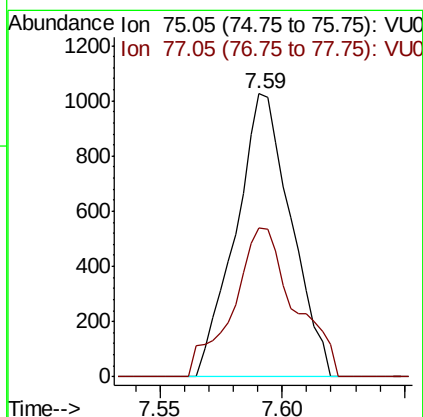
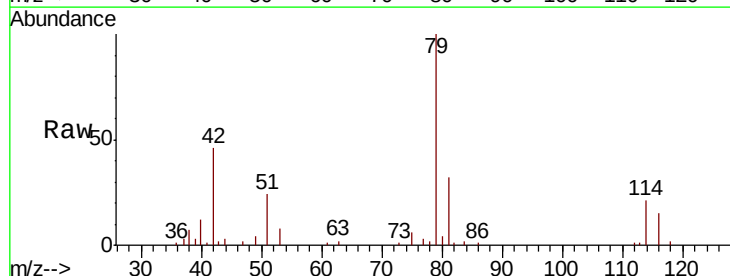
Instrument :
 MSVOA_U
 ClientSampled :

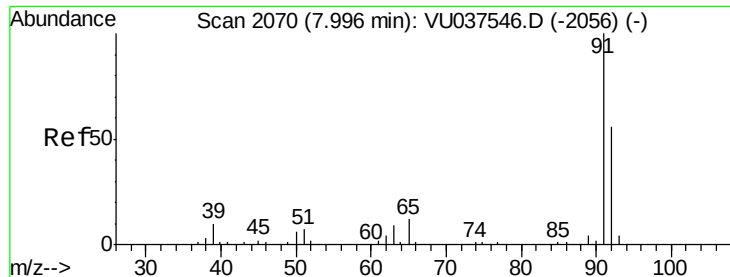
Tot Ion: 63 Resp: 4790
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.153 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.05 min
 Lab File: VU037552.D
 Acq: 02 Apr 2020 13:47

Tgt Ion: 75 Resp: 1609
 Ion Ratio Lower Upper
 75 100
 77 52.7 22.2 41.2#





#42

Toluene

Concen: 2.499 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

Instrument :

MSVOA_U

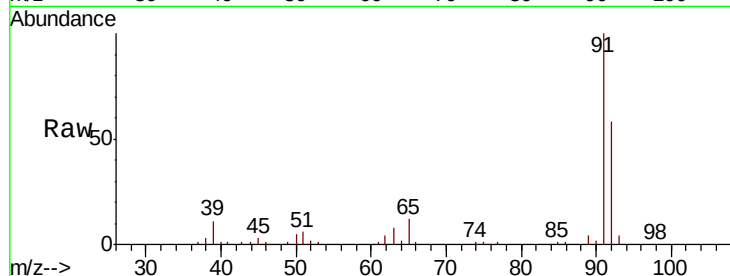
ClientSampleId :

Tot Ion: 91 Resp: 67450

Ion Ratio Lower Upper

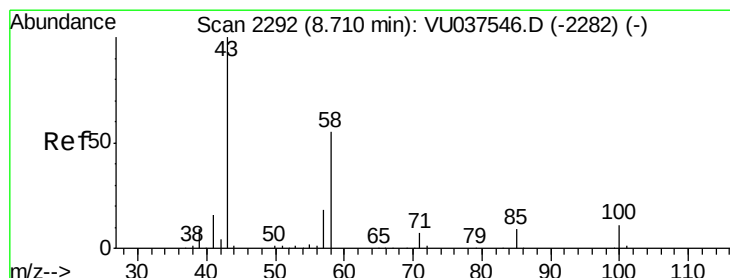
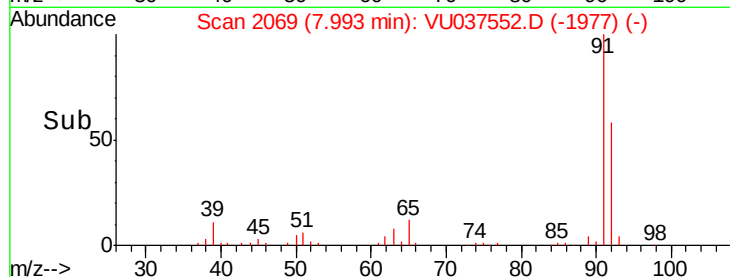
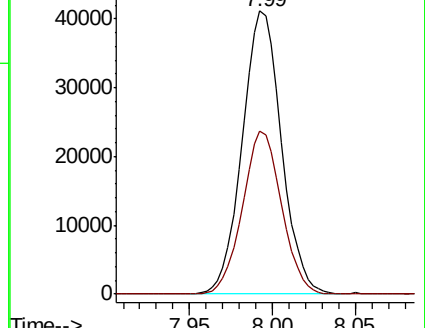
91 100

92 57.6 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU037546.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU037546.D (-2056) (-)



#48

2-Hexanone

Concen: 3.182 ug/L

RT: 8.66 min Scan# 2276

Delta R.T. -0.05 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

Tgt Ion: 43 Resp: 11002

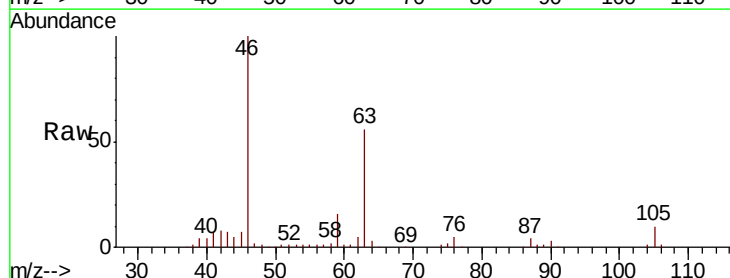
Ion Ratio Lower Upper

43 100

58 25.0 45.0 67.6#

57 26.5 14.9 22.3#

100 0.0 8.4 12.6#

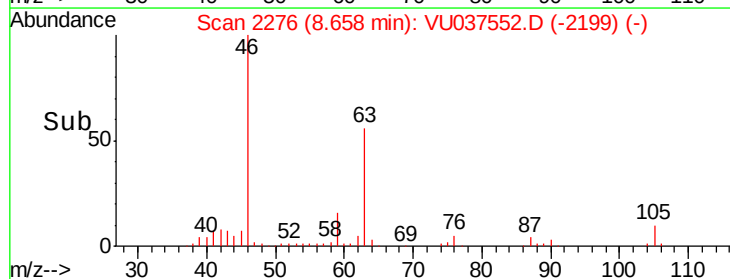
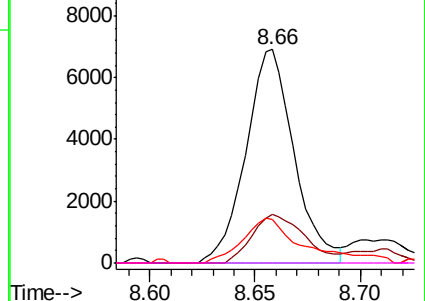


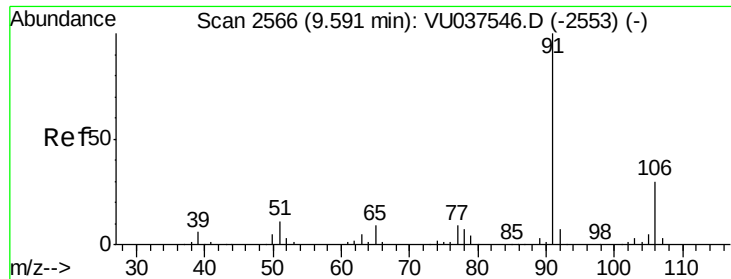
Abundance Ion 43.05 (42.75 to 43.75): VU037546.D (-2282) (-)

Ion 58.05 (57.75 to 58.75): VU037546.D (-2282) (-)

Ion 57.20 (56.90 to 57.90): VU037546.D (-2282) (-)

Ion 100.15 (99.85 to 100.85): VU037546.D (-2282) (-)





#52

Ethylbenzene

Concen: 2.759 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

Instrument :

MSVOA_U

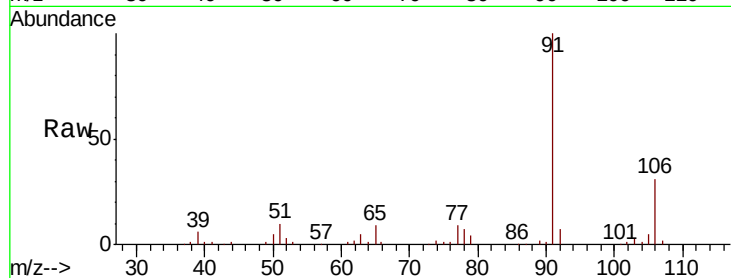
ClientSampleId :

Tot Ion: 91 Resp: 84874

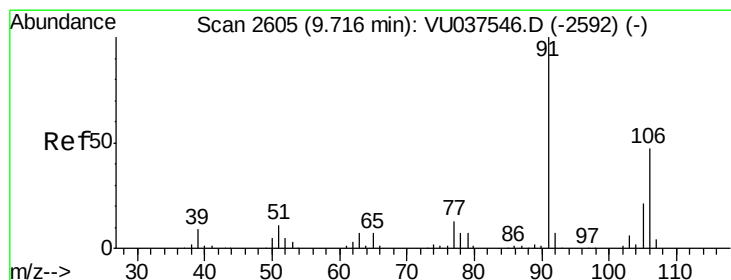
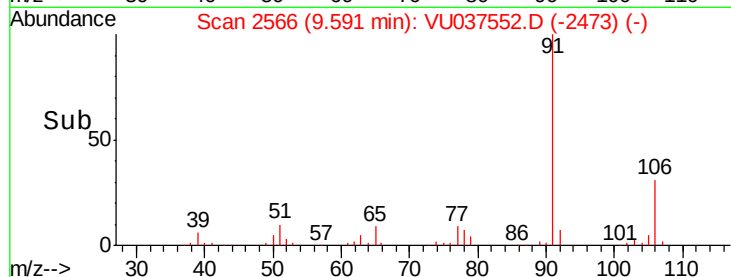
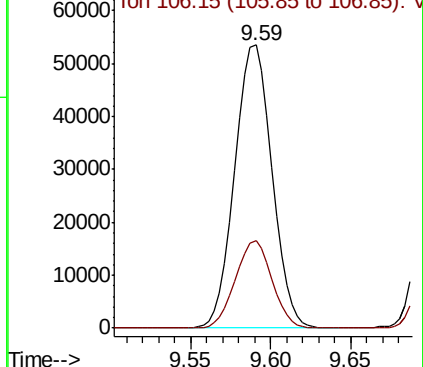
Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU037546.D (-2553) (-)



#53

m,p-Xylene

Concen: 6.791 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VU037552.D

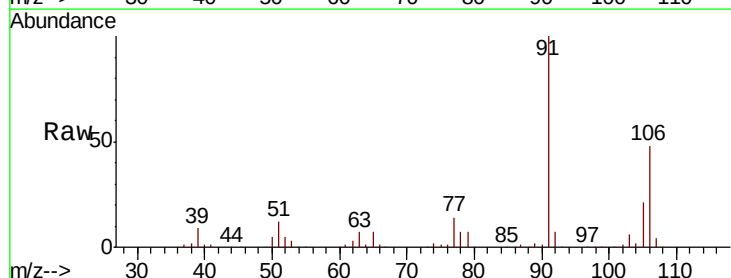
Acq: 02 Apr 2020 13:47

Tgt Ion: 106 Resp: 78512

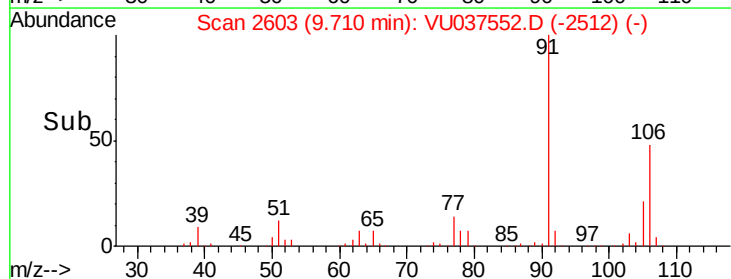
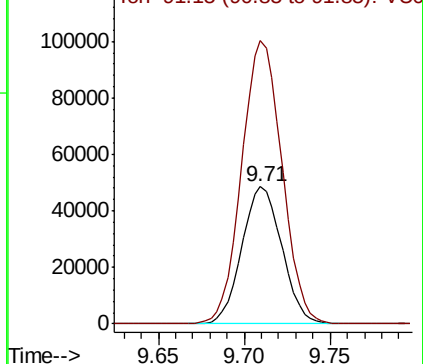
Ion Ratio Lower Upper

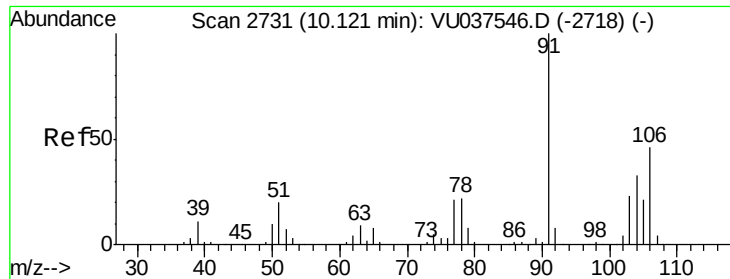
106 100

91 206.5 147.4 273.8



Abundance Ion 106.15 (105.85 to 106.85): VU037546.D (-2592) (-)

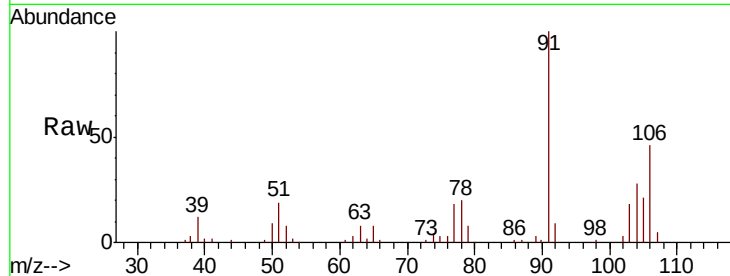




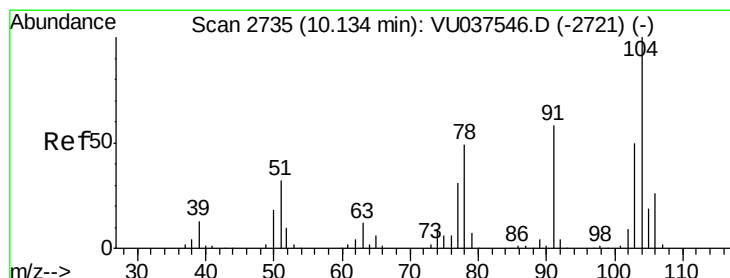
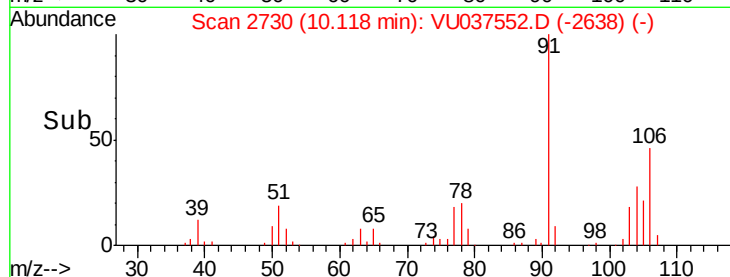
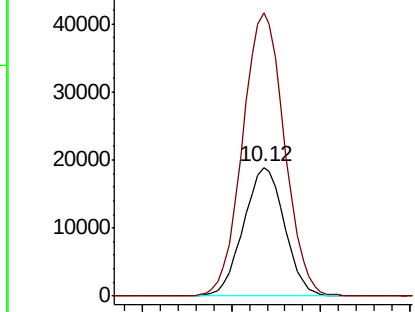
#54
o-Xylene
Concen: 2.714 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 30218
Ion Ratio Lower Upper
106 100
91 219.6 156.8 291.2

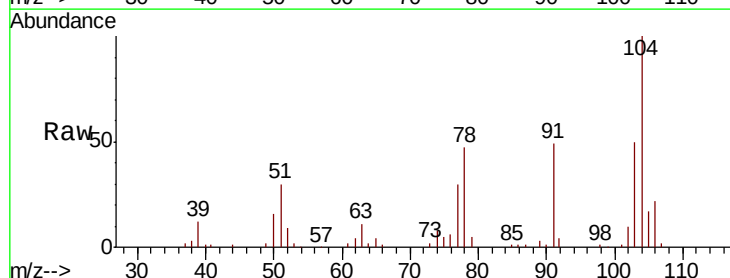


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

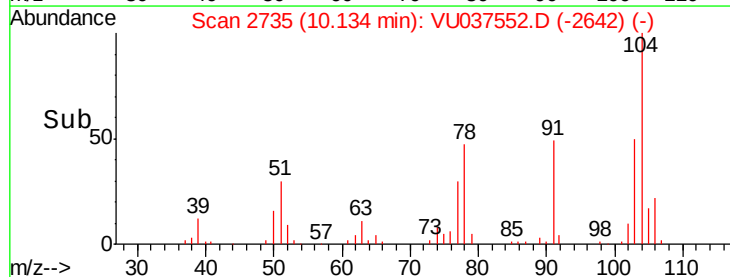
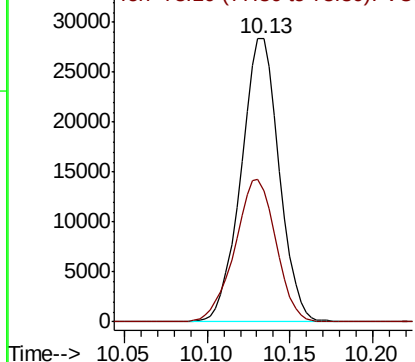


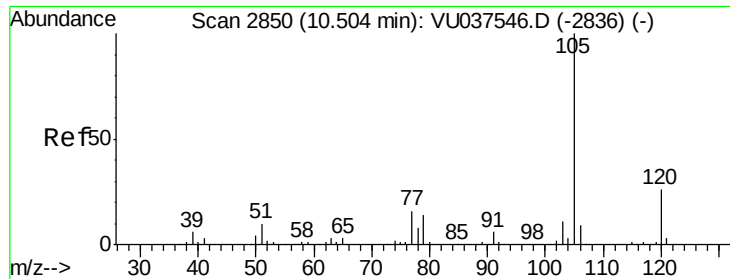
#55
Styrene
Concen: 2.353 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037552.D
Acq: 02 Apr 2020 13:47

Tgt Ion:104 Resp: 45249
Ion Ratio Lower Upper
104 100
78 46.5 36.1 67.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.622 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

Instrument :

MSVOA_U

ClientSampleId :

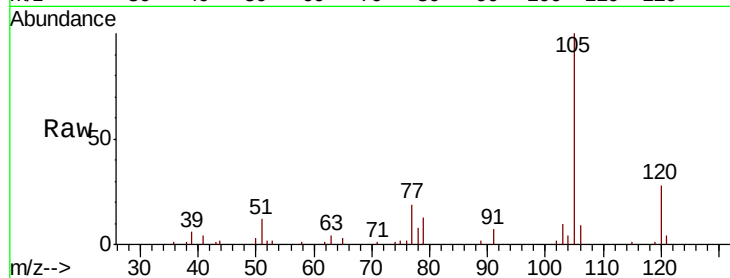
Tot Ion:105 Resp: 18864

Ion Ratio Lower Upper

105 100

120 27.5 20.6 31.0

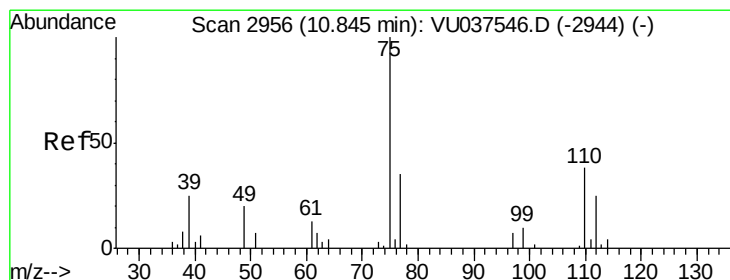
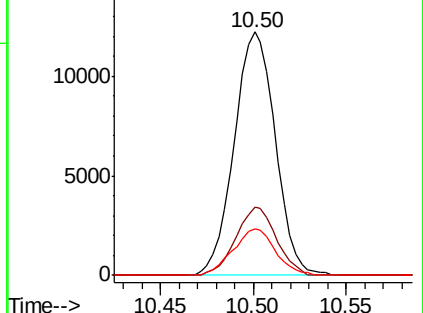
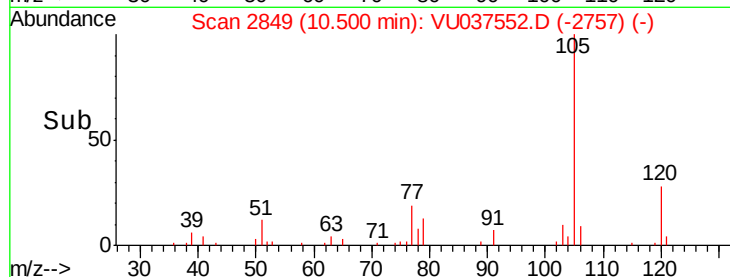
77 19.6 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.428 ug/L

RT: 11.01 min Scan# 3008

Delta R.T. 0.17 min

Lab File: VU037552.D

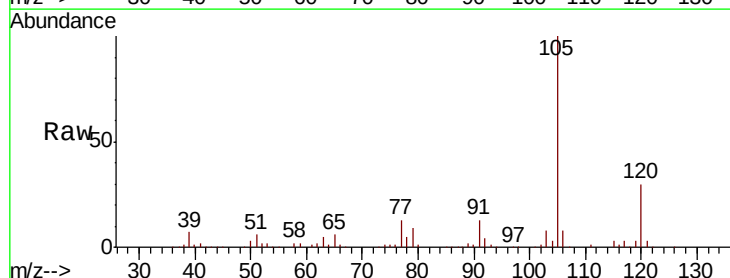
Acq: 02 Apr 2020 13:47

Tgt Ion: 75 Resp: 1923

Ion Ratio Lower Upper

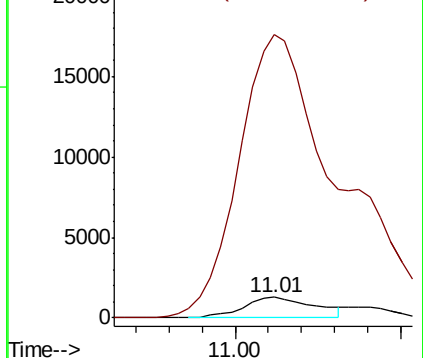
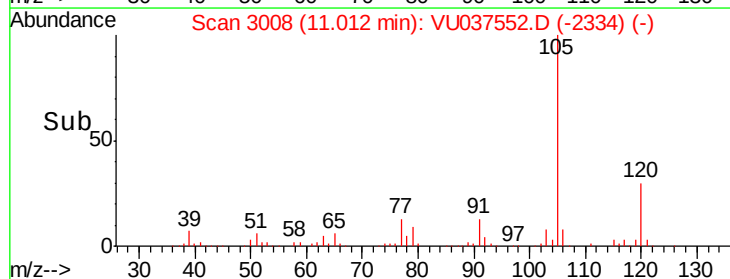
75 100

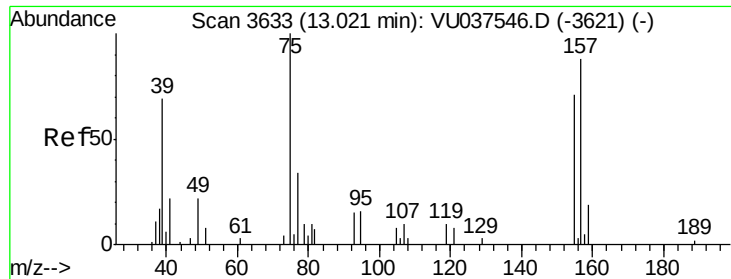
77 1925.6 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#66

1,2-Dibromo-3-chloropropane

Concen: 12.690 ug/L

RT: 13.05 min Scan# 3642

Delta R.T. 0.03 min

Lab File: VU037552.D

Acq: 02 Apr 2020 13:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15391

Ion Ratio Lower Upper

75 100

155 0.0 51.0 76.4#

157 0.0 72.0 108.0#

