

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072120\
 Data File : VU039613.D
 Acq On : 21 Jul 2020 21:33
 Operator : SY/MD
 Sample : L3347-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:08:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	109820	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	101166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47146	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32766	6.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	128.60%
7) Chloroethane-d5	1.92	69	34198	6.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.00%
11) 1,1-Dichloroethene-d2	2.58	63	50105	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	4.65	46	121763	52.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	5.08	84	65249	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	42826	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.75	84	134492	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.71	67	43465	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	7.91	98	120376	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.19	79	17351	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	91535	53.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.58%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36190	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	44245	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.59	50	25986	4.456	ug/L #	77
13) Acetone	2.65	43	14575	11.391	ug/L	89
15) Methyl Acetate	2.98	43	6746	2.158	ug/L #	58
16) Methylene chloride	3.06	84	5691	0.758	ug/L	77
21) 2-Butanone	4.83	43	661996	298.666	ug/L #	51
25) Chloroform	5.11	83	7763	0.576	ug/L	99
33) Benzene	5.79	78	20332	0.836	ug/L	100
35) Methylcyclohexane	6.78	83	1063	0.108	ug/L #	48
37) 1,2-Dichloropropane	6.71	63	5417	0.801	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	1618	0.166	ug/L #	78
42) Toluene	7.98	91	25726	0.967	ug/L	91
48) 2-Hexanone	8.69	43	4724	1.208	ug/L #	87
52) Ethylbenzene	9.57	91	8809	0.291	ug/L	95
53) m,p-Xylene	9.69	106	3175	0.281	ug/L	90
54) o-Xylene	10.10	106	2040	0.185	ug/L	96
55) Styrene	10.11	104	1217	0.066	ug/L	96
59) 1,2,3-Trichloropropane	11.81	75	7248	1.460	ug/L #	77

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Quant Time: Jul 22 02:08:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

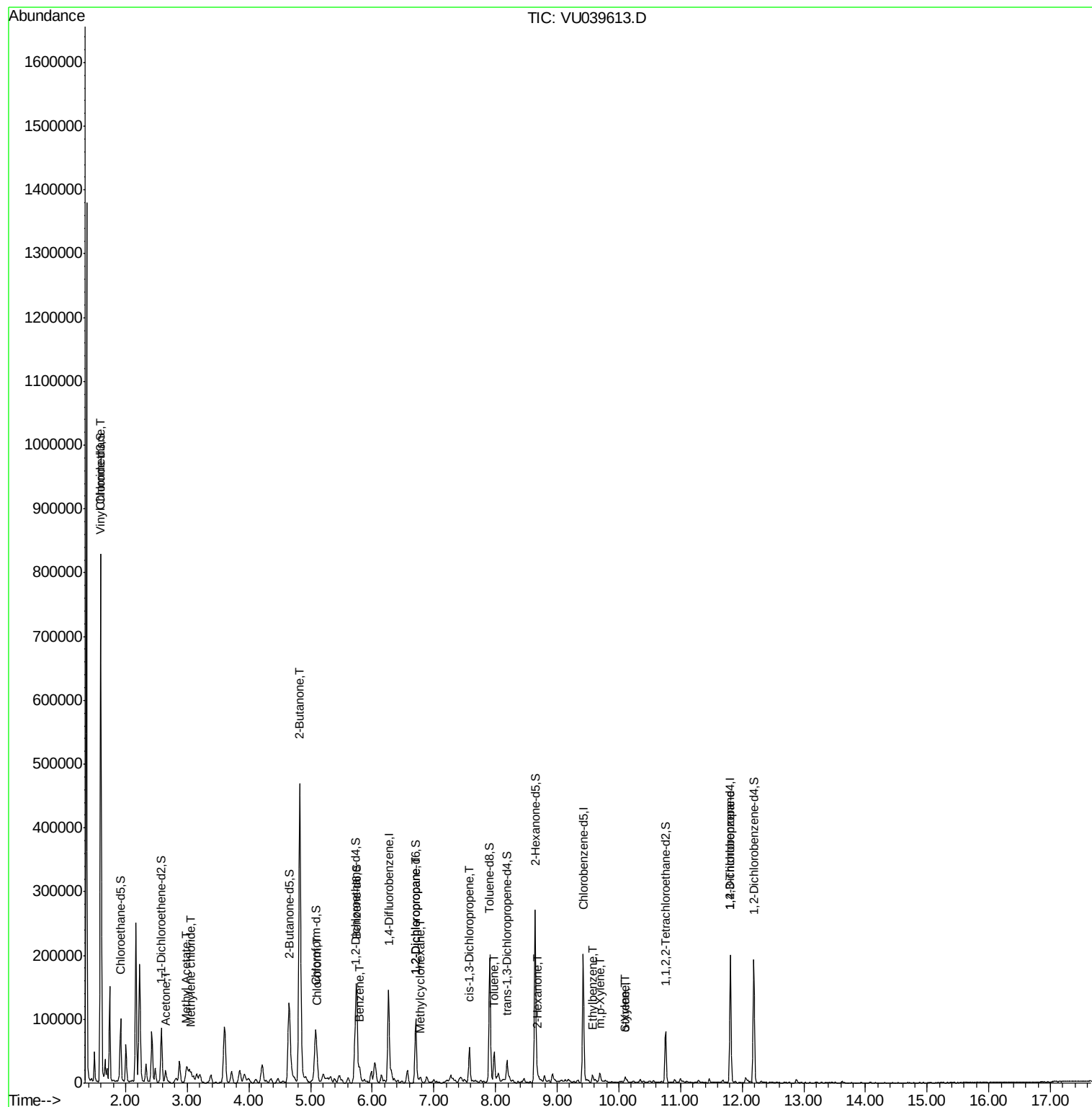
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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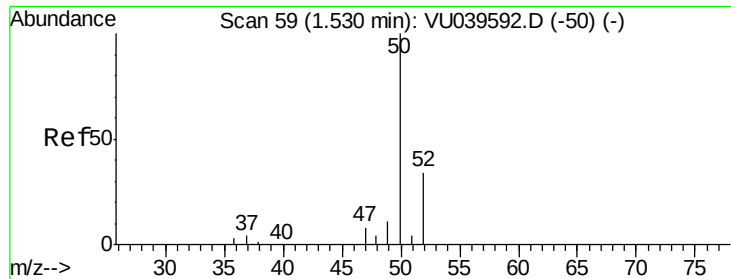
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 4.456 ug/L

RT: 1.59 min Scan# 79

Delta R.T. 0.06 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

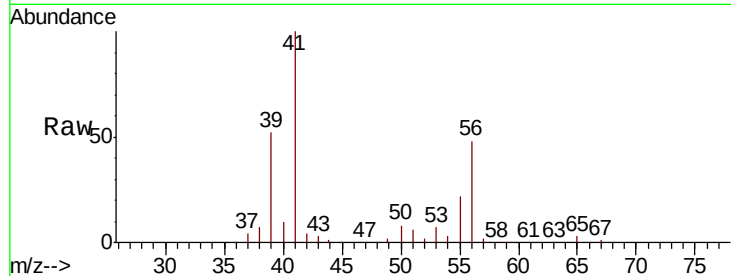
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 50 Resp: 25986

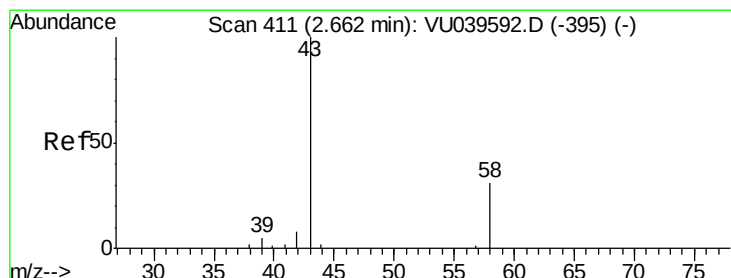
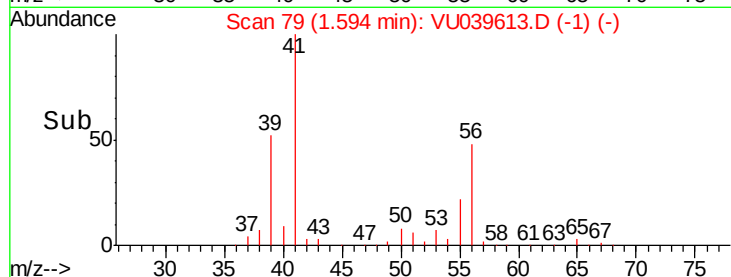
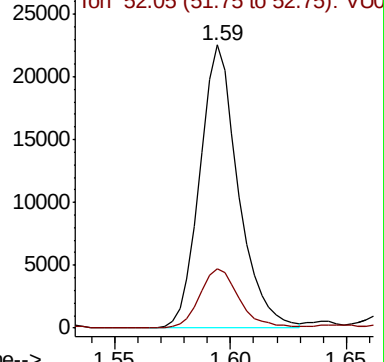
Ion Ratio Lower Upper

50 100

52 21.0 23.9 44.5#



Abundance Ion 50.05 (49.75 to 50.75): VU039613.D (-1) (-)



#13

Acetone

Concen: 11.391 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039613.D

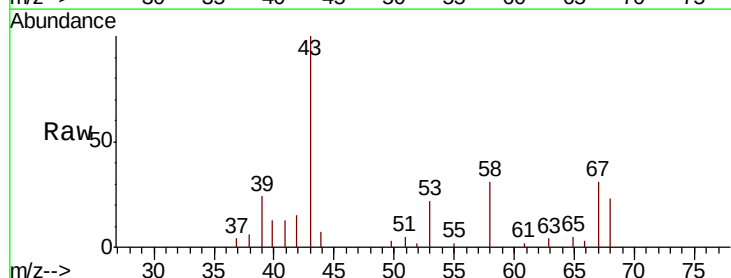
Acq: 21 Jul 2020 21:33

Tgt Ion: 43 Resp: 14575

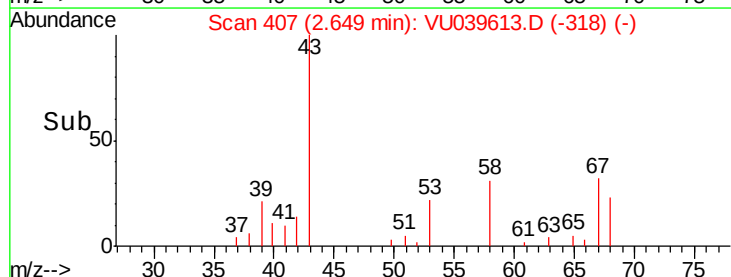
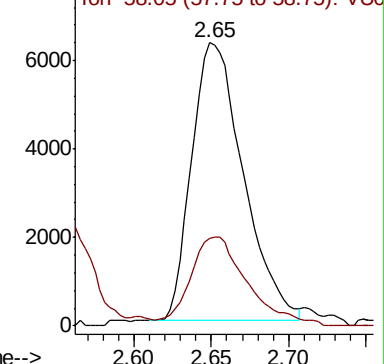
Ion Ratio Lower Upper

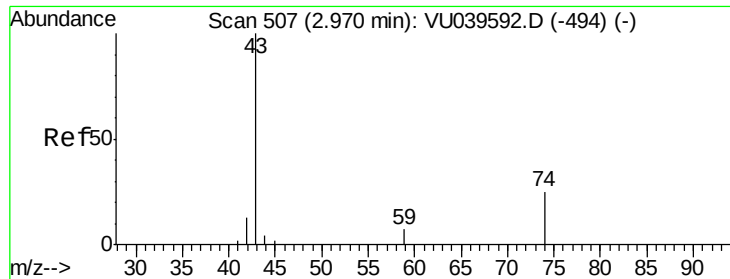
43 100

58 35.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039613.D (-318) (-)

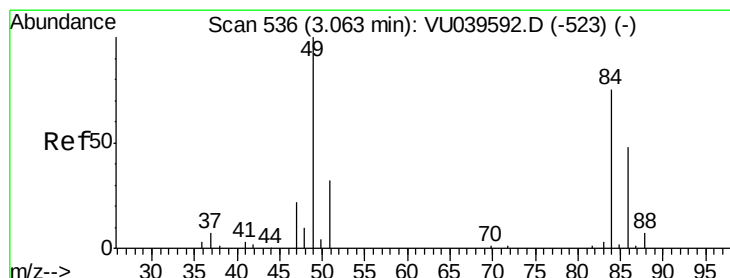
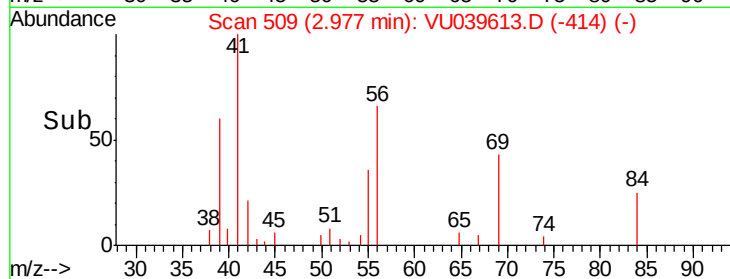
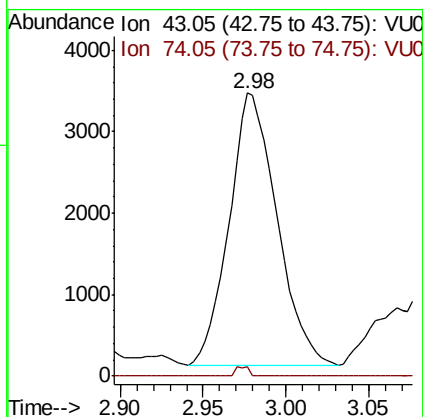
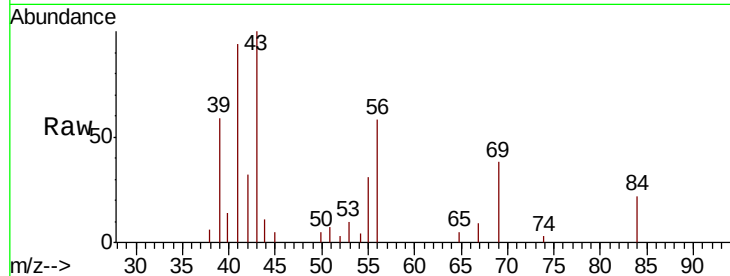




#15
Methvl Acetate
Concen: 2.158 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.01 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

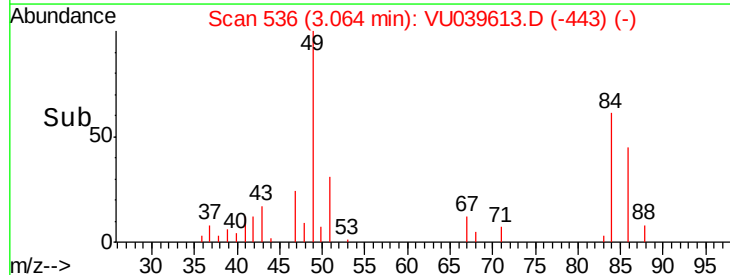
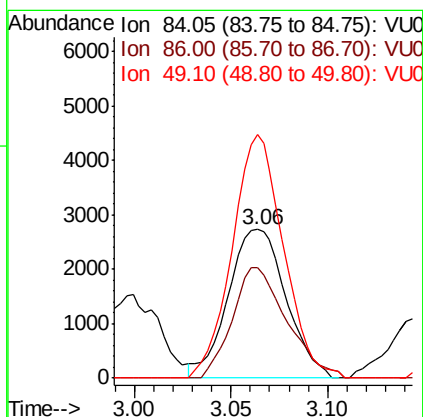
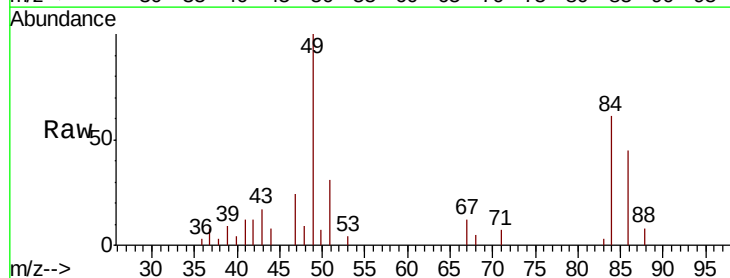
Instrument :
MSVOA_U
ClientSampleId :

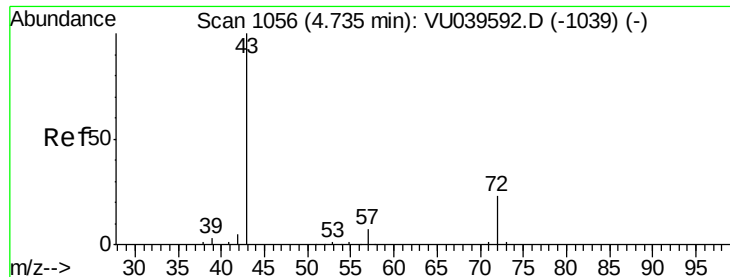
Tot Ion: 43 Resp: 6746
Ion Ratio Lower Upper
43 100
74 0.9 16.6 24.8#



#16
Methylene chloride
Concen: 0.758 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

Tgt Ion: 84 Resp: 5691
Ion Ratio Lower Upper
84 100
86 74.3 43.8 81.4
49 163.9 92.7 172.3





#21

2-Butanone

Concen: 298.666 ug/L

RT: 4.83 min Scan# 1084

Delta R.T. 0.09 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

Instrument :

MSVOA_U

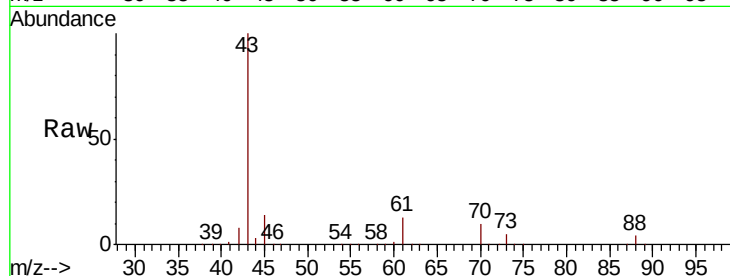
ClientSampleId :

Tot Ion: 43 Resp: 661996

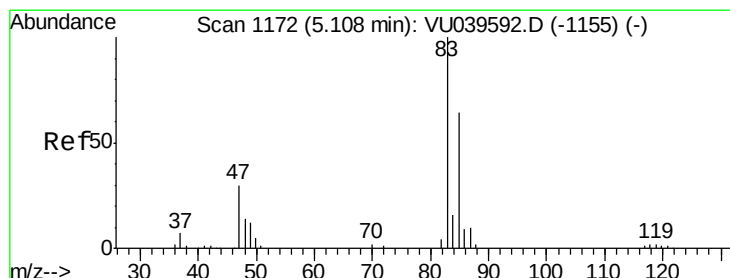
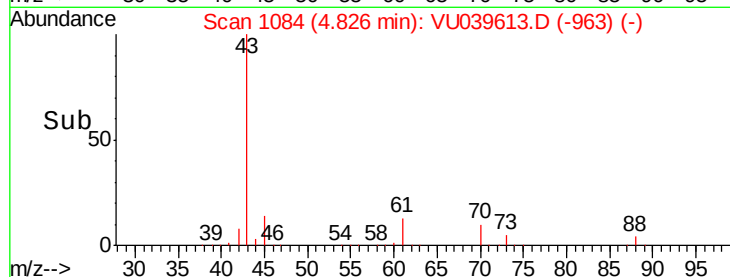
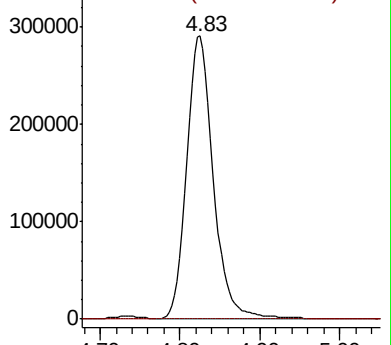
Ion Ratio Lower Upper

43 100

72 0.0 12.2 36.4#



Abundance Ion 43.05 (42.75 to 43.75): VU039613.D (-963) (-)



#25

Chloroform

Concen: 0.576 ug/L

RT: 5.11 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU039613.D

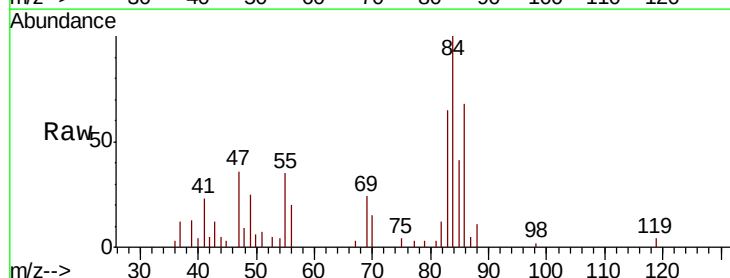
Acq: 21 Jul 2020 21:33

Tgt Ion: 83 Resp: 7763

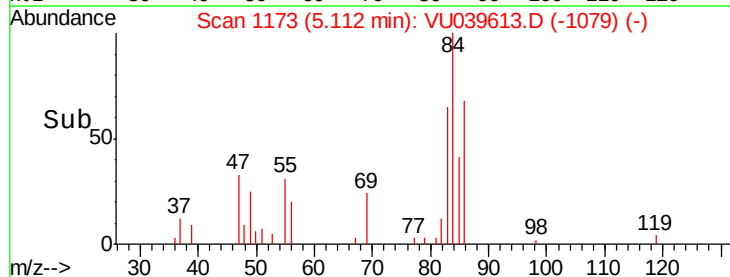
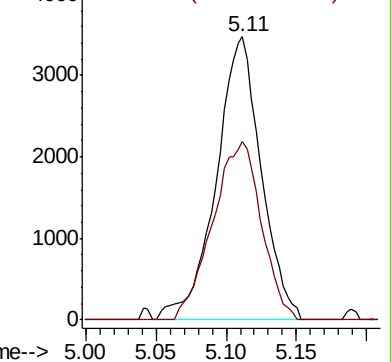
Ion Ratio Lower Upper

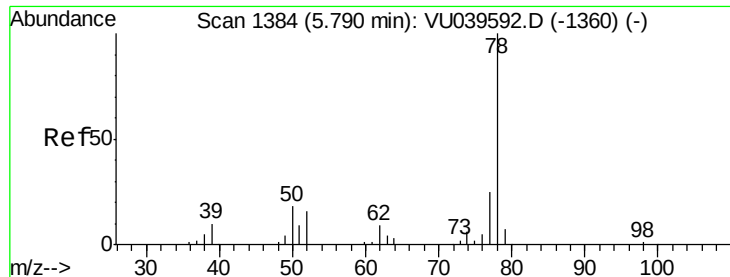
83 100

85 63.0 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VU039613.D (-1079) (-)

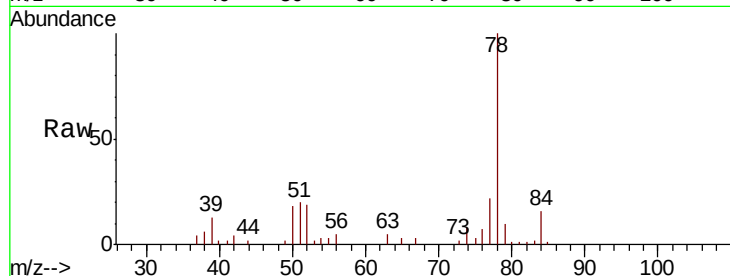




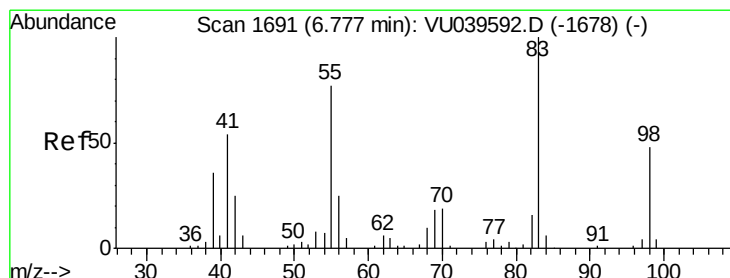
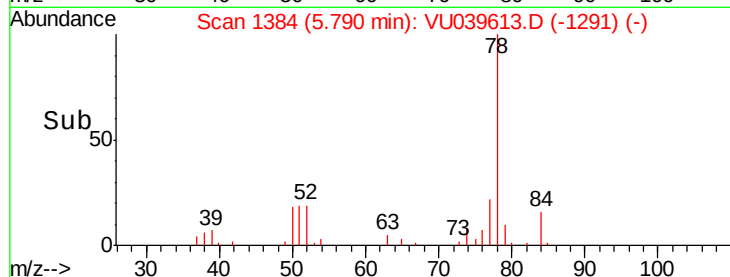
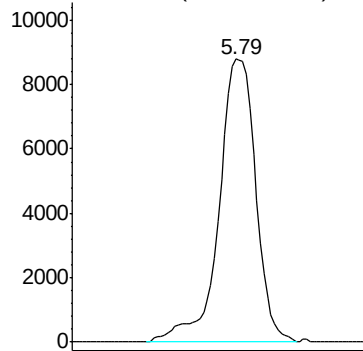
#33
Benzene
Concen: 0.836 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 20332

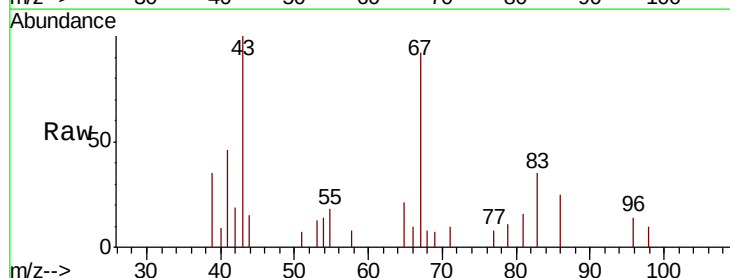


Abundance Ion 78.10 (77.80 to 78.80): VU0



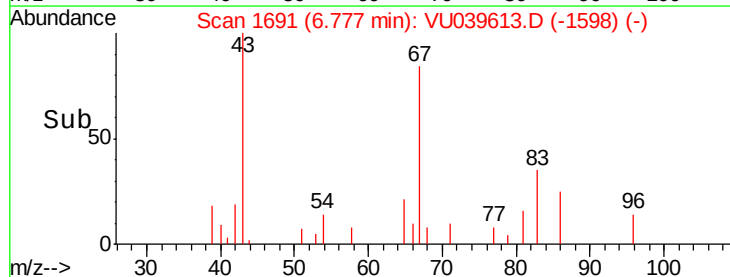
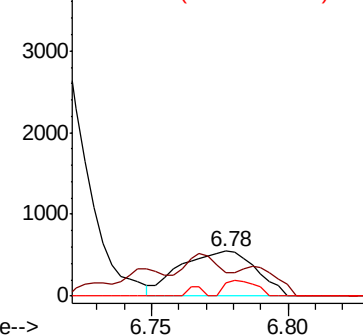
#35
Methylcyclohexane
Concen: 0.108 ug/L
RT: 6.78 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

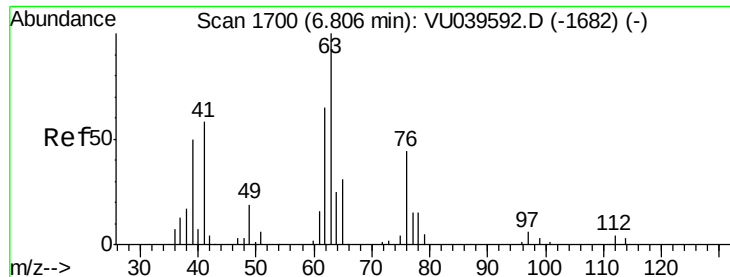
Tgt Ion: 83 Resp: 1063
Ion Ratio Lower Upper
83 100
55 30.7 63.0 94.6#
98 14.7 35.3 52.9#



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

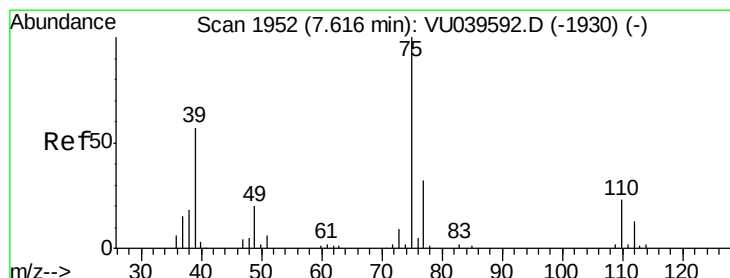
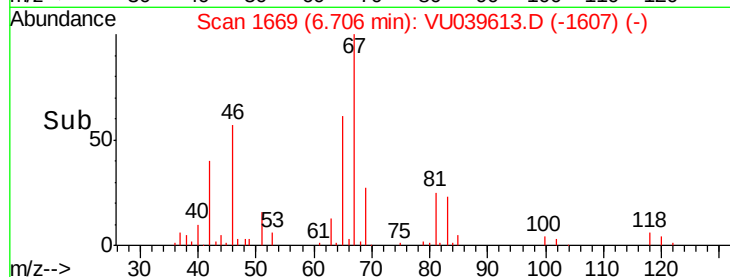
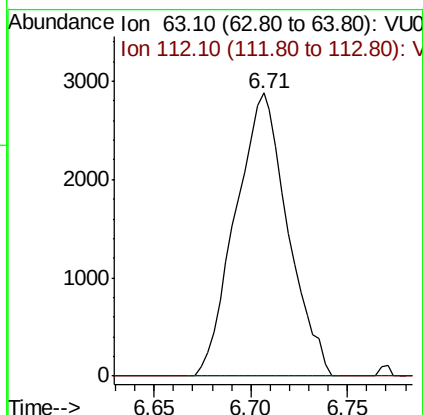
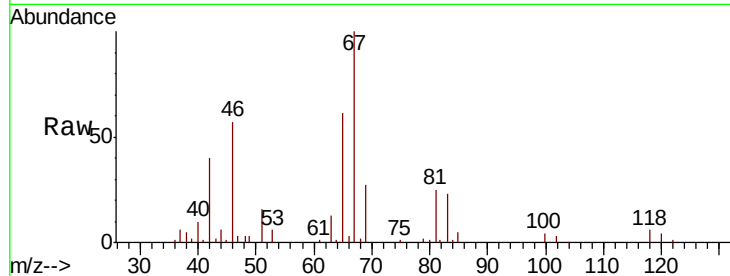




#37
 1,2-Dichloropropane
 Concen: 0.801 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039613.D
 Acq: 21 Jul 2020 21:33

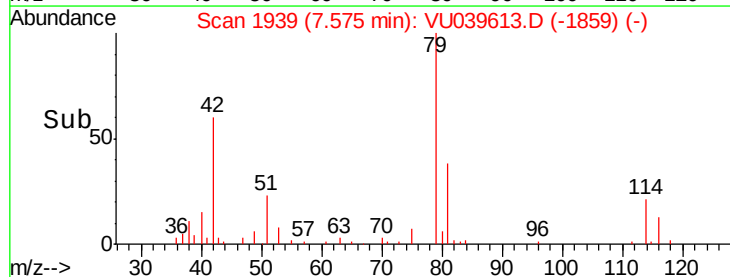
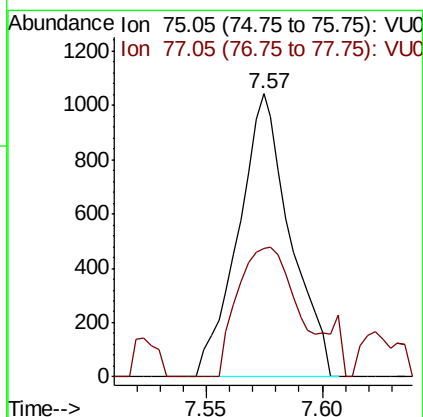
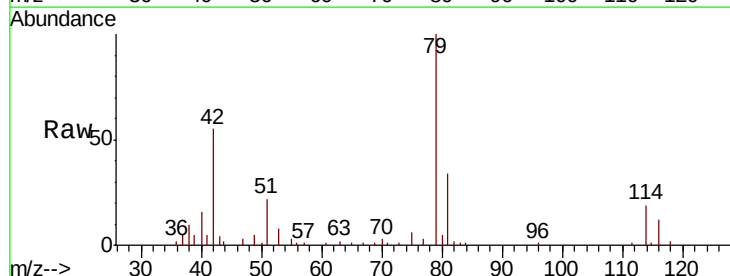
Instrument :
 MSVOA_U
 ClientSampleId :

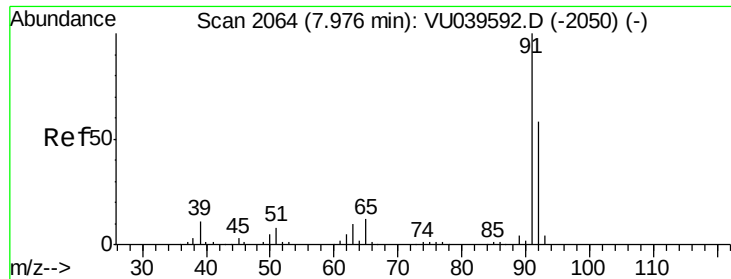
Tot Ion: 63 Resp: 5417
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.166 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039613.D
 Acq: 21 Jul 2020 21:33

Tgt Ion: 75 Resp: 1618
 Ion Ratio Lower Upper
 75 100
 77 45.6 23.2 43.0#





#42

Toluene

Concen: 0.967 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

Instrument :

MSVOA_U

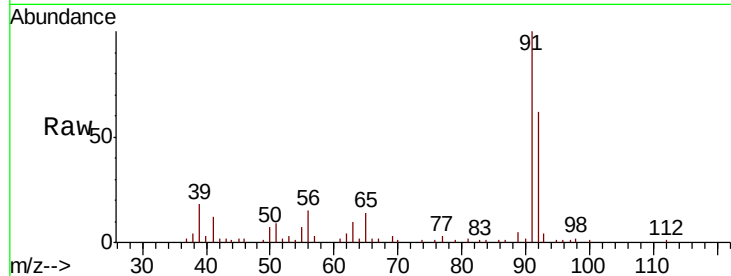
ClientSampleId :

Tot Ion: 91 Resp: 25726

Ion Ratio Lower Upper

91 100

92 61.6 38.6 71.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039592.D (-2050) (-)

7.98

15000

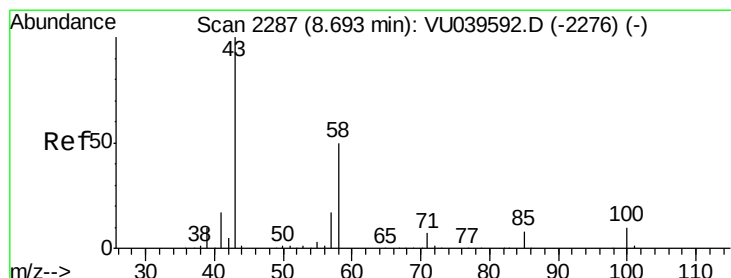
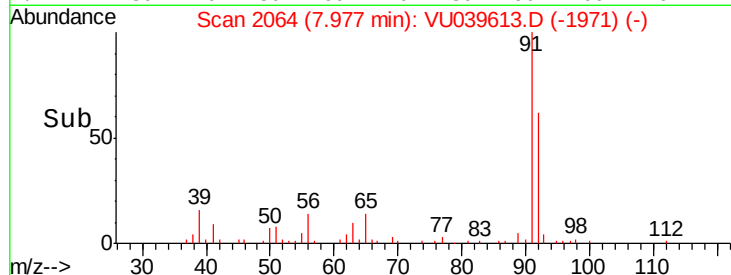
10000

5000

0

7.90 7.95 8.00 8.05

Time-->



#48

2-Hexanone

Concen: 1.208 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.00 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

Tgt Ion: 43 Resp: 4724

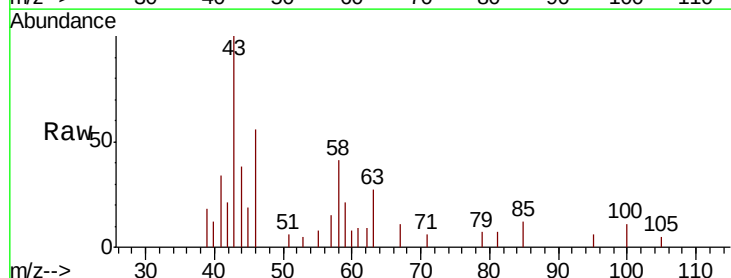
Ion Ratio Lower Upper

43 100

58 41.3 40.9 61.3

57 12.8 14.6 21.8#

100 6.5 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU039592.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU039592.D (-2276) (-)

8.69

10000

8000

6000

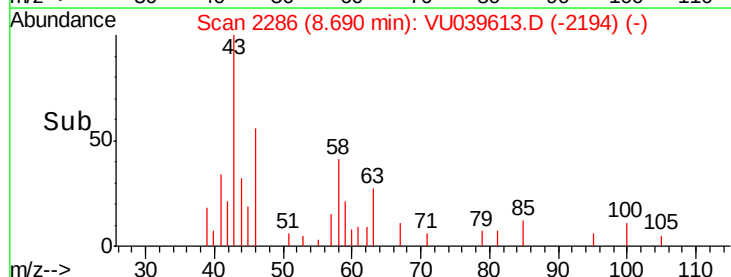
4000

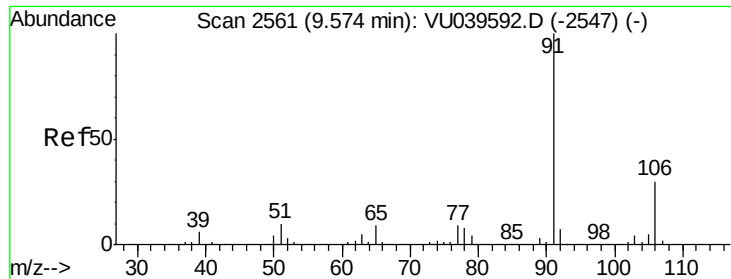
2000

0

8.65 8.70 8.75

Time-->





#52

Ethylbenzene

Concen: 0.291 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

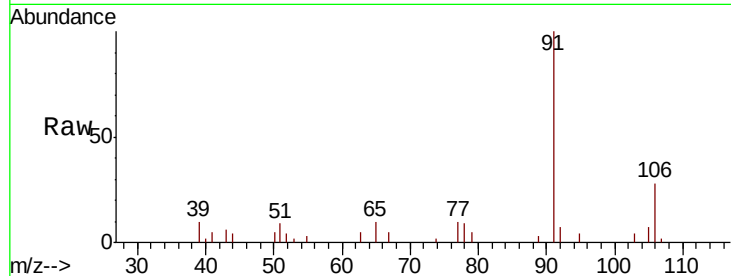
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 8809

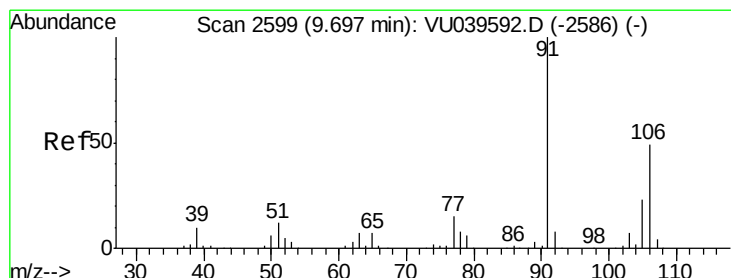
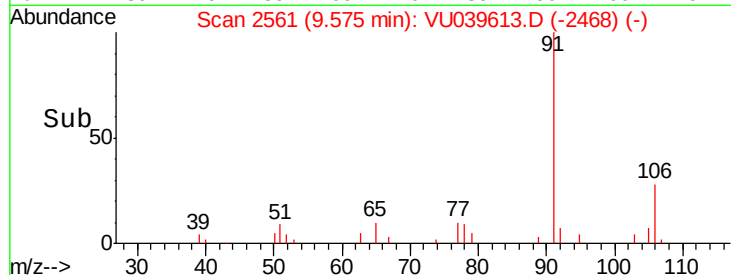
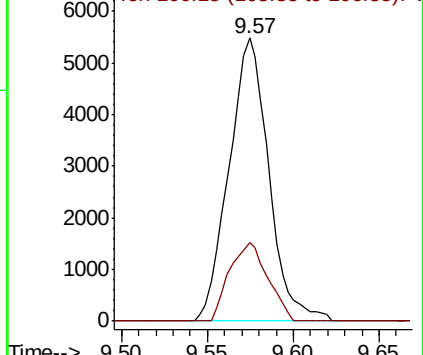
Ion Ratio Lower Upper

91 100

106 27.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039613.D (-2468) (-)



#53

m,p-Xylene

Concen: 0.281 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039613.D

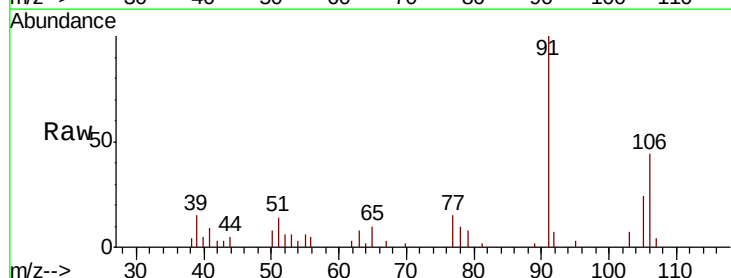
Acq: 21 Jul 2020 21:33

Tgt Ion: 106 Resp: 3175

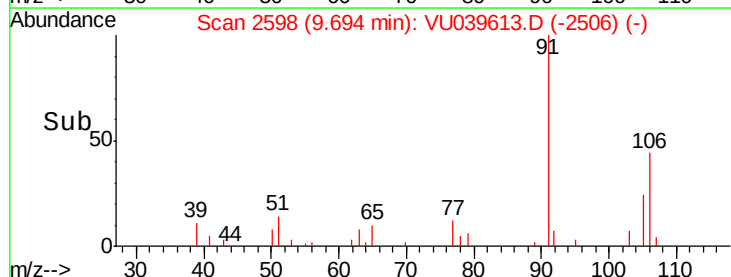
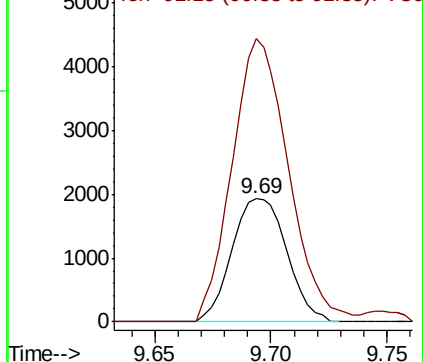
Ion Ratio Lower Upper

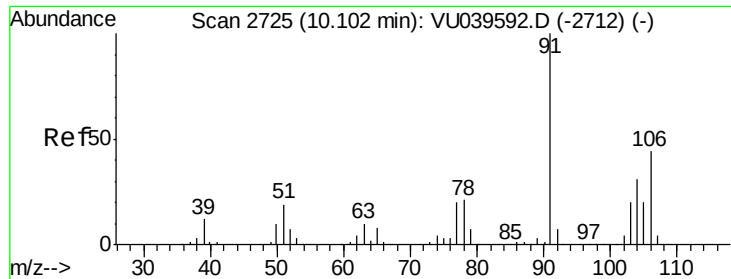
106 100

91 229.7 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039613.D (-2506) (-)

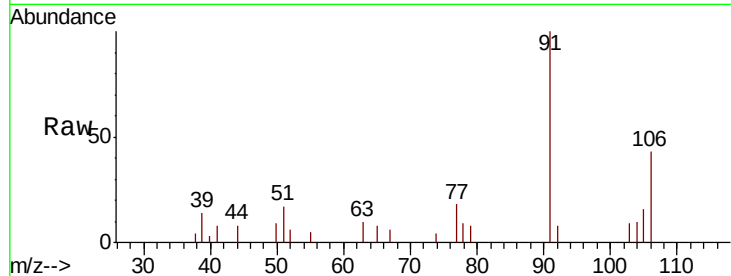




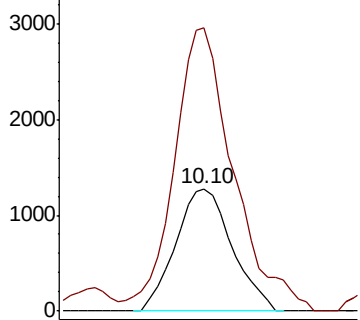
#54
o-Xylene
Concen: 0.185 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

Instrument :
MSVOA_U
ClientSampled :

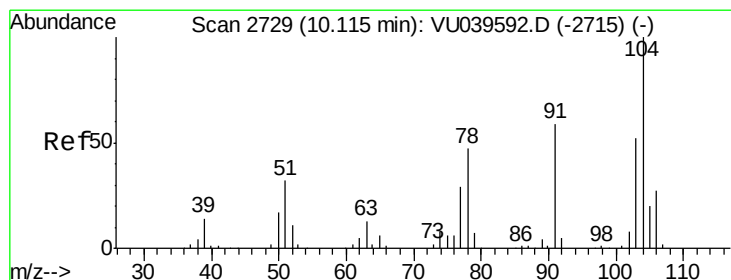
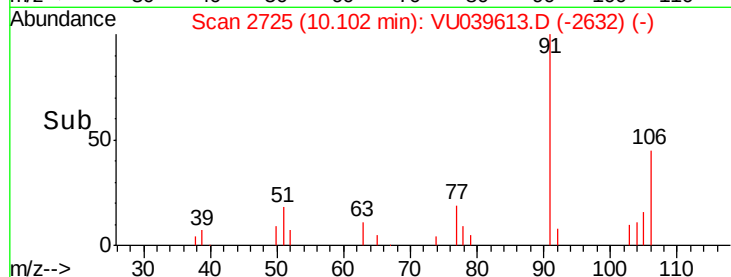
Tot Ion:106 Resp: 2040
Ion Ratio Lower Upper
106 100
91 231.5 157.4 292.4



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

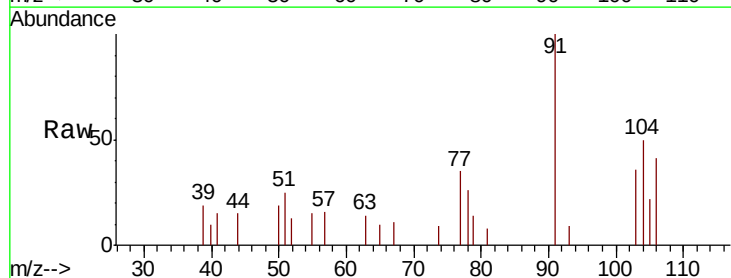


Time-->

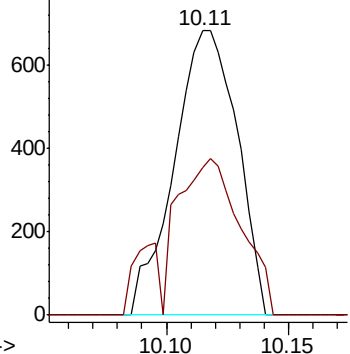


#55
Styrene
Concen: 0.066 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039613.D
Acq: 21 Jul 2020 21:33

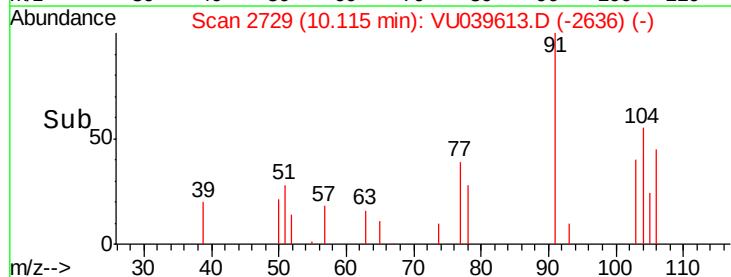
Tgt Ion:104 Resp: 1217
Ion Ratio Lower Upper
104 100
78 51.6 34.4 64.0

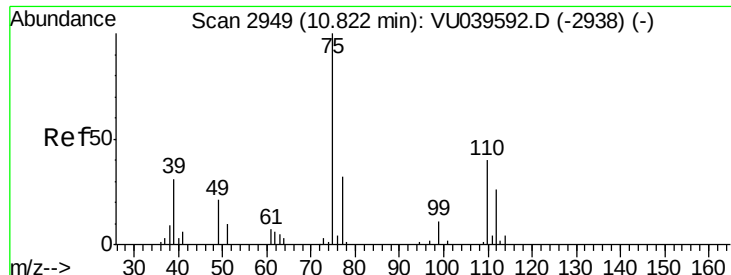


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#59

1,2,3-Trichloropropane

Concen: 1.460 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039613.D

Acq: 21 Jul 2020 21:33

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7248

Ion Ratio Lower Upper

75 100

77 44.5 25.5 38.3#

