

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039602.D
 Acq On : 21 Jul 2020 17:19
 Operator : SY/MD
 Sample : L3348-09MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:06:29 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	113916	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50580	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32175	6.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.80%
7) Chloroethane-d5	1.93	69	39728	6.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.60%#
11) 1,1-Dichloroethene-d2	2.58	63	67975	5.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	114.40%
20) 2-Butanone-d5	4.65	46	124149	52.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	5.09	84	65539	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	44002	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.74	84	135482	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	44447	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	123531	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	8.19	79	17786	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	90891	50.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.60%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36999	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	46003	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.59	96	27875	5.174	ug/L 90
13) Acetone	2.66	43	3141	2.366	ug/L 81
14) Carbon disulfide	2.81	76	1879	0.116	ug/L # 87
15) Methyl Acetate	3.06	43	723	0.223	ug/L # 56
25) Chloroform	5.11	83	4673	0.334	ug/L 98
27) 1,2-Dichloroethane	5.79	62	1453	0.153	ug/L # 76
30) Cyclohexane	5.40	56	1912	0.193	ug/L 86
33) Benzene	5.79	78	152836	5.980	ug/L 100
34) Trichloroethene	6.56	95	39161	5.564	ug/L 94
35) Methylcyclohexane	6.77	83	3054	0.295	ug/L # 88
37) 1,2-Dichloropropane	6.71	63	5421	0.762	ug/L # 90
39) cis-1,3-Dichloropropene	7.58	75	1353	0.132	ug/L # 57
42) Toluene	7.98	91	173146	6.188	ug/L 97
51) Chlorobenzene	9.45	112	99433	5.552	ug/L 99
52) Ethylbenzene	9.57	91	6947	0.218	ug/L 97
53) m,p-Xylene	9.70	106	2716	0.229	ug/L 89
54) o-Xylene	10.10	106	2143	0.185	ug/L 95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

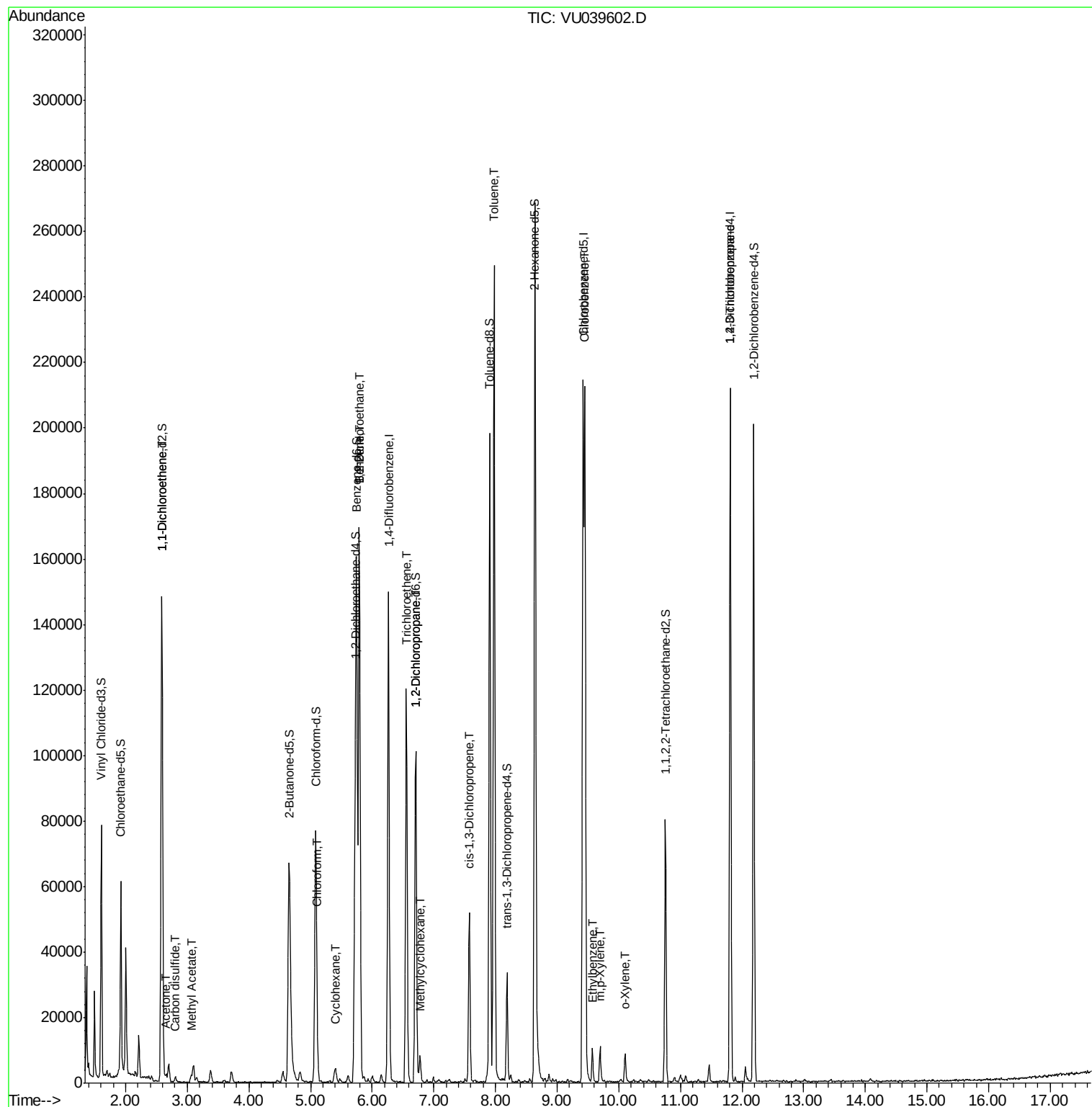
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	7605	1.457	ug/L #	87

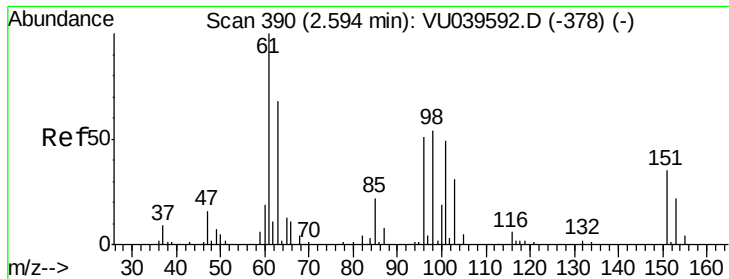
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.174 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

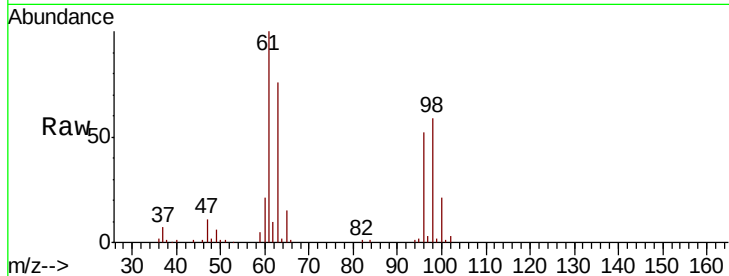
Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 27875

Ion	Ratio	Lower	Upper
96	100		
61	192.6	129.1	239.7
63	147.2	89.7	166.7

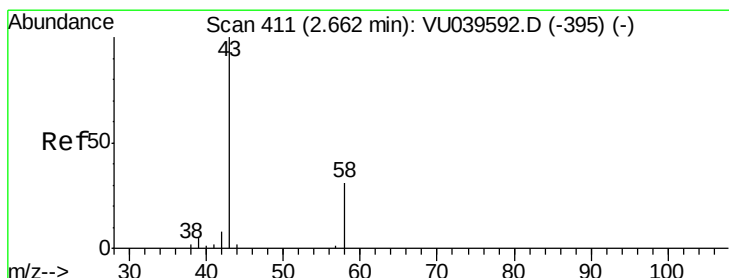
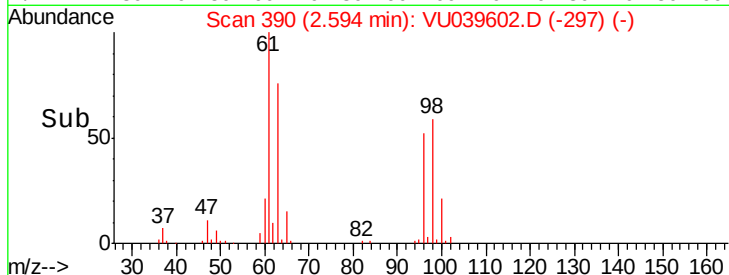
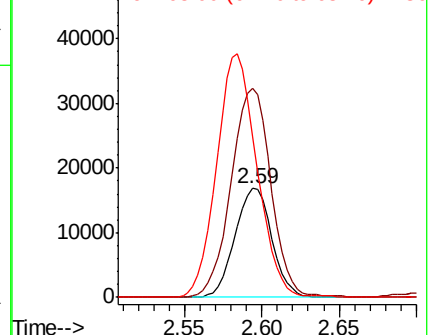


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.366 ug/L

RT: 2.66 min Scan# 411

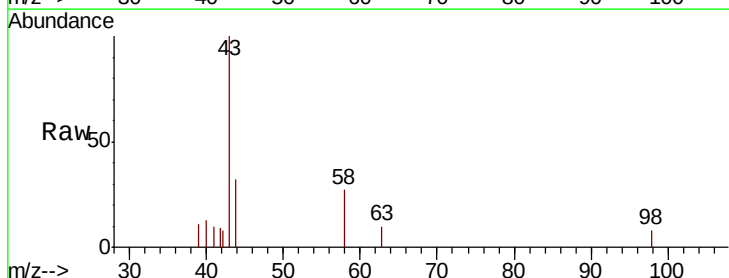
Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Tgt Ion: 43 Resp: 3141

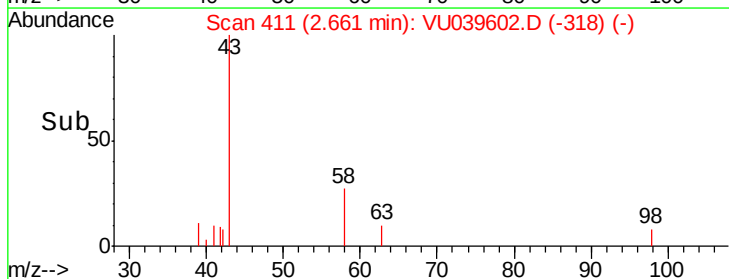
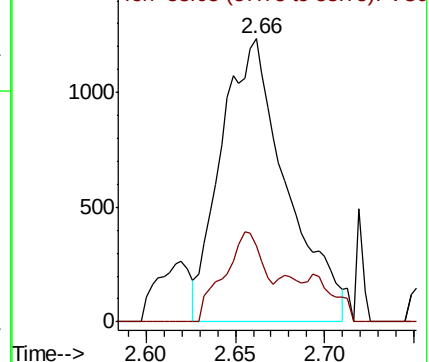
Ion	Ratio	Lower	Upper
43	100		
58	19.5	0.0	59.0

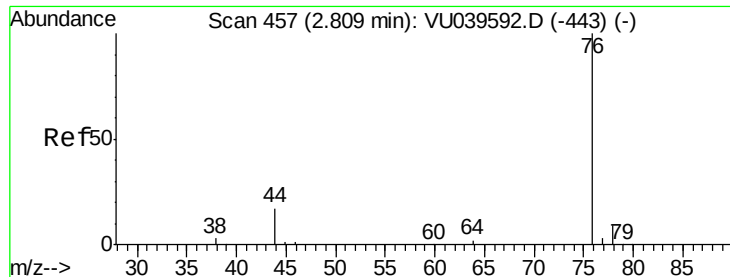


Abundance

Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.116 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_U

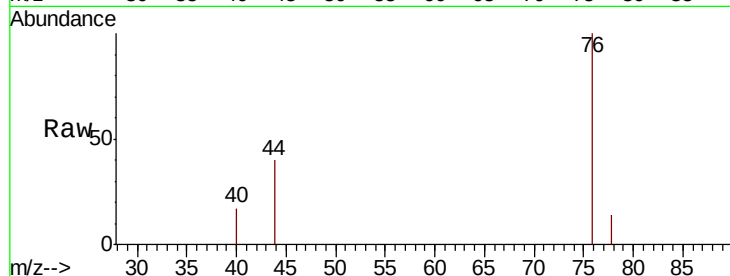
ClientSampleId :

Tot Ion: 76 Resp: 1879

Ion Ratio Lower Upper

76 100

78 13.8 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU039592.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039592.D (-443) (-)

2.81

1200

1000

800

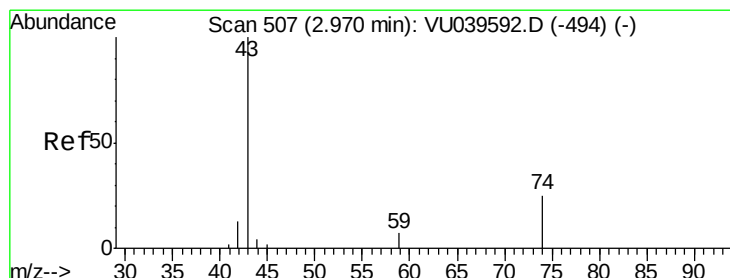
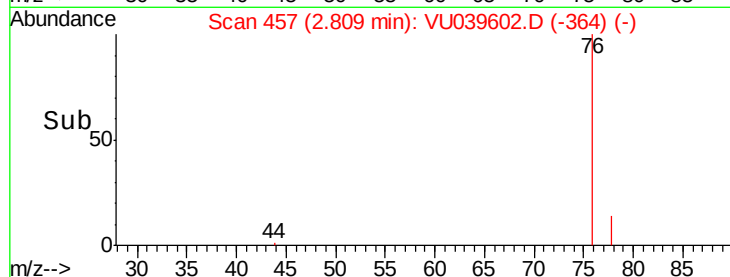
600

400

200

0

Time--> 2.75 2.80 2.85



#15

Methyl Acetate

Concen: 0.223 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.09 min

Lab File: VU039602.D

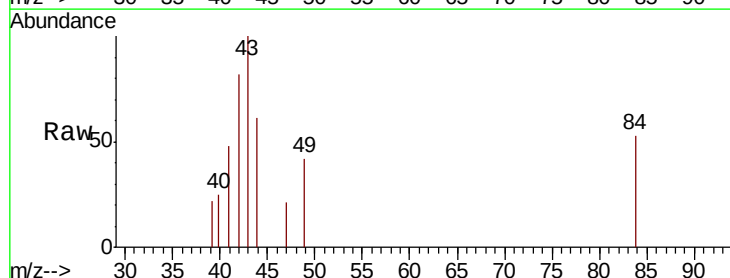
Acq: 21 Jul 2020 17:19

Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU039592.D (-494) (-)

3.06

1200

1000

800

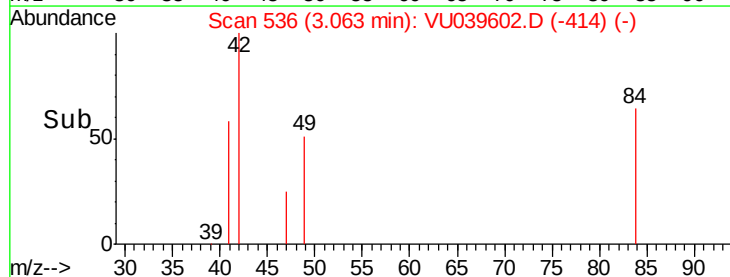
600

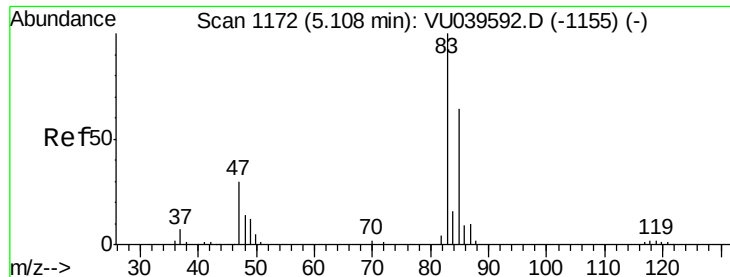
400

200

0

Time--> 3.02 3.04 3.06

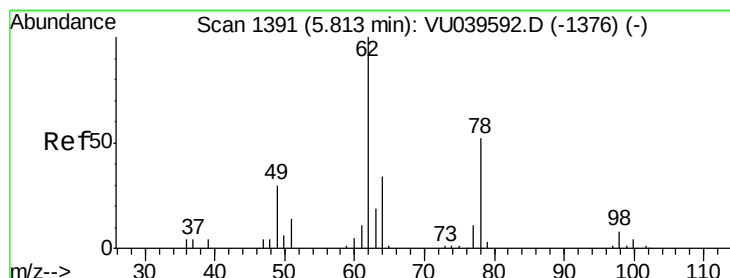
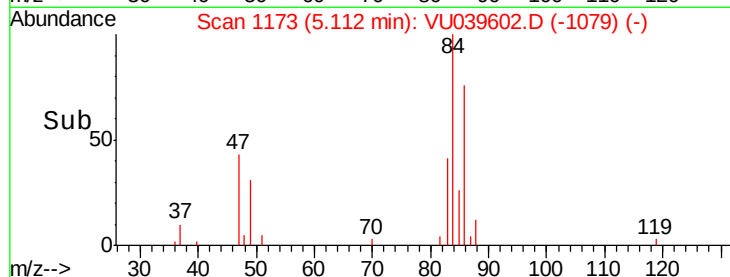
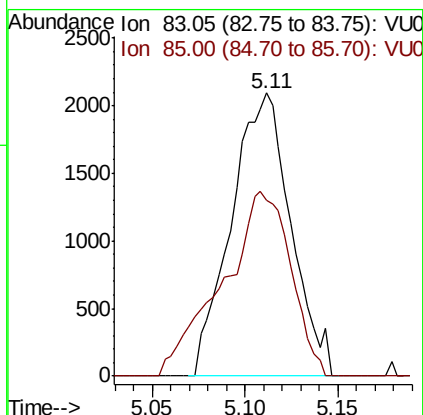
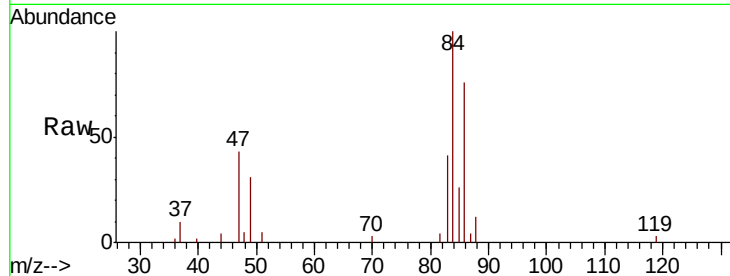




#25
Chloroform
Concen: 0.334 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19

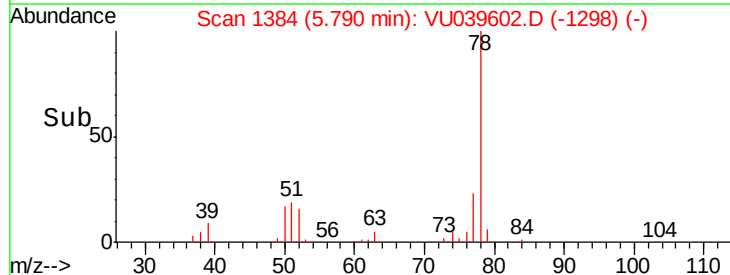
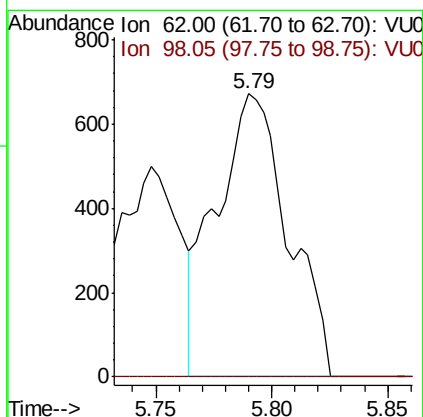
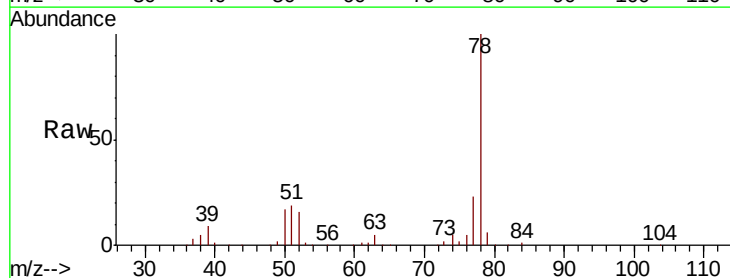
Instrument :
MSVOA_U
ClientSampleId :

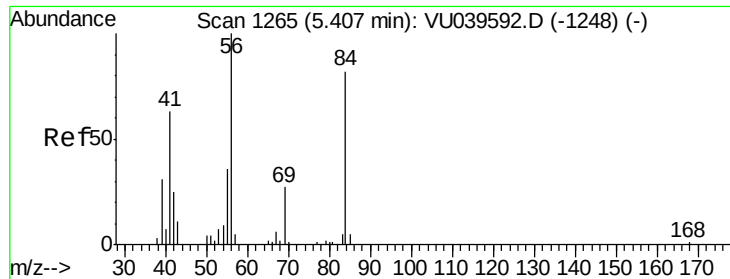
Tot Ion: 83 Resp: 4673
Ion Ratio Lower Upper
83 100
85 62.1 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.153 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 62 Resp: 1453
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

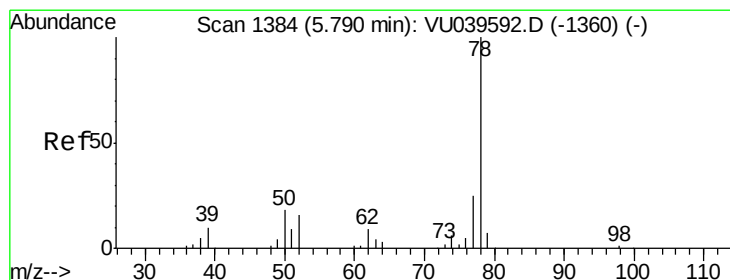
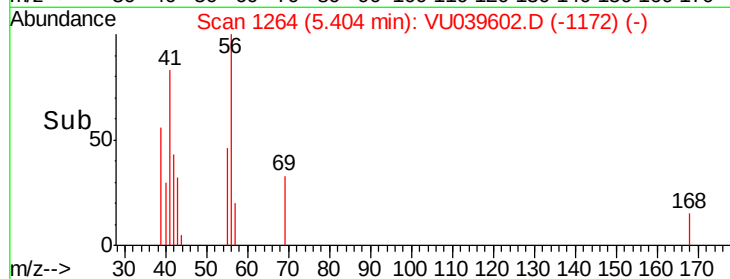
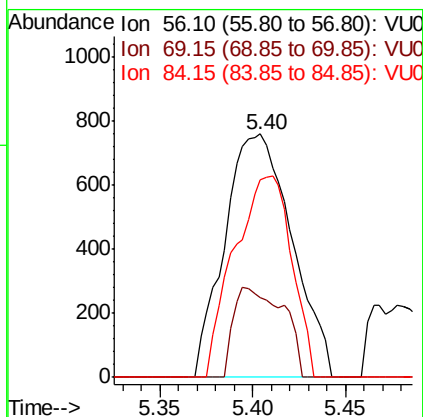
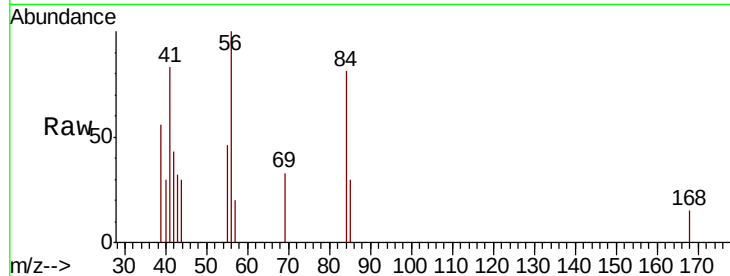




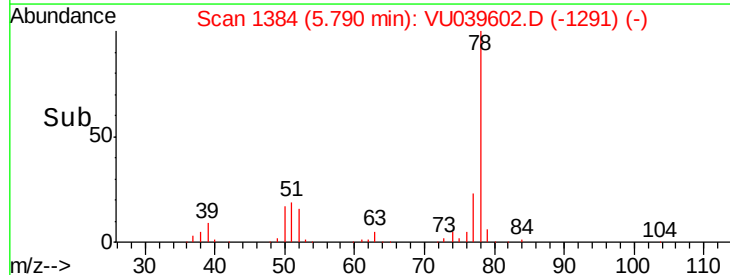
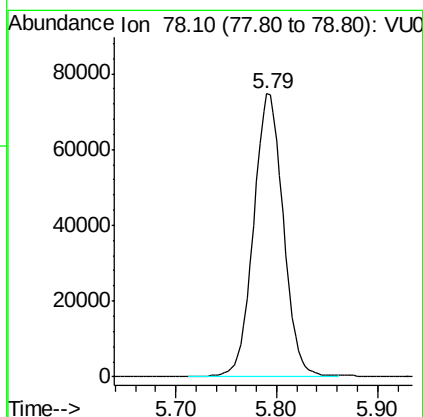
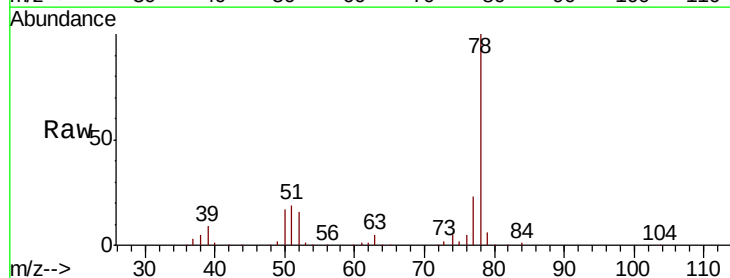
#30
Cyclohexane
Concen: 0.193 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19

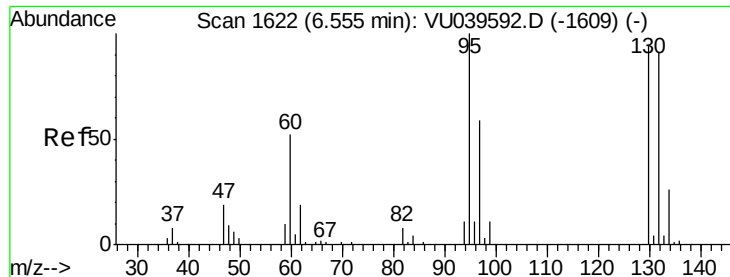
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 1912
Ion Ratio Lower Upper
56 100
69 27.3 24.0 36.0
84 70.8 69.8 104.6



#33
Benzene
Concen: 5.980 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.00 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19
Tgt Ion: 78 Resp: 152836





#34

Trichloroethene

Concen: 5.564 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 39161

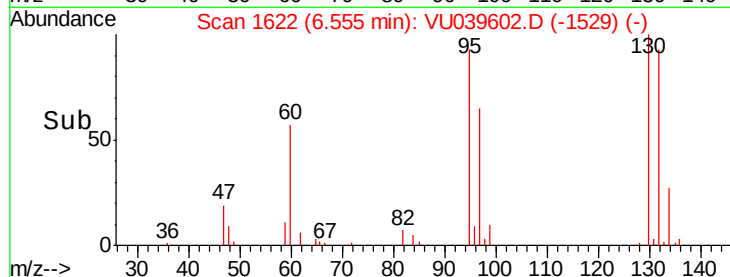
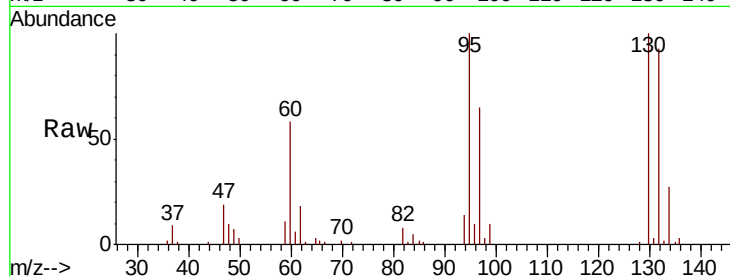
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.3

132 92.7 62.8 116.6

130 100.2 61.5 114.1

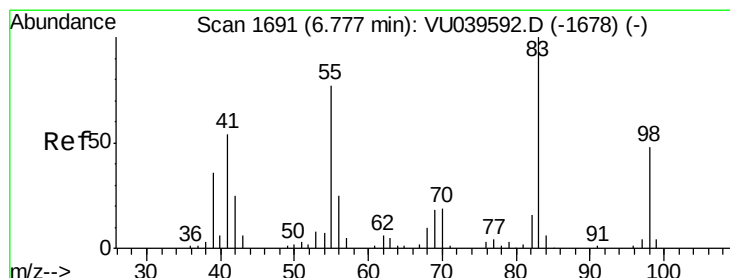
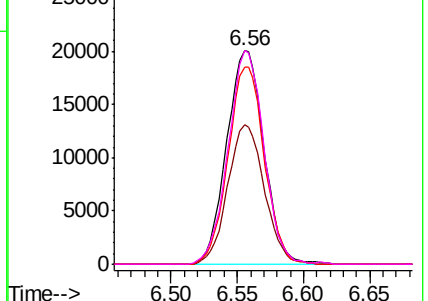


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.295 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

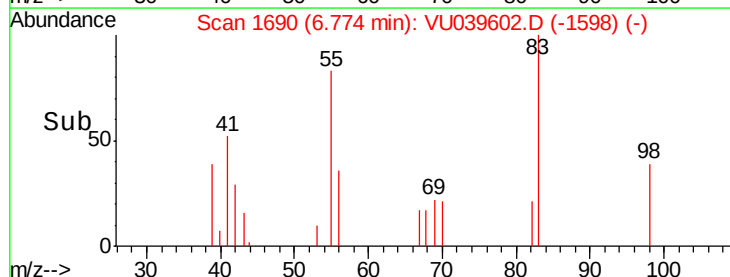
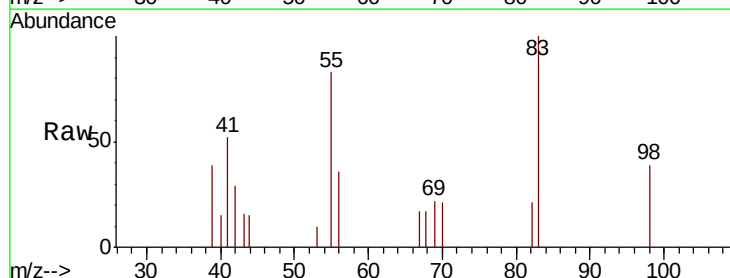
Tgt Ion: 83 Resp: 3054

Ion Ratio Lower Upper

83 100

55 77.3 63.0 94.6

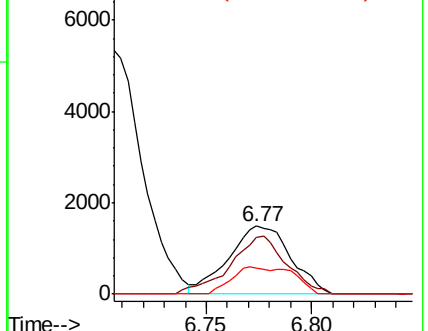
98 24.3 35.3 52.9#

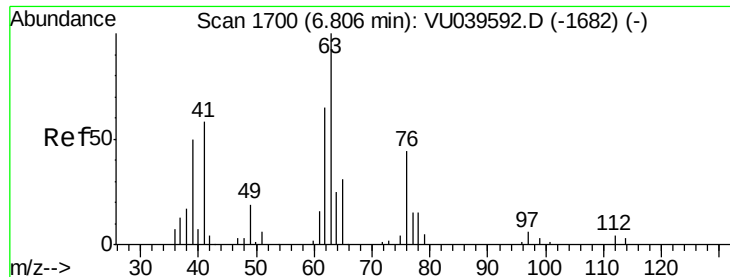


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

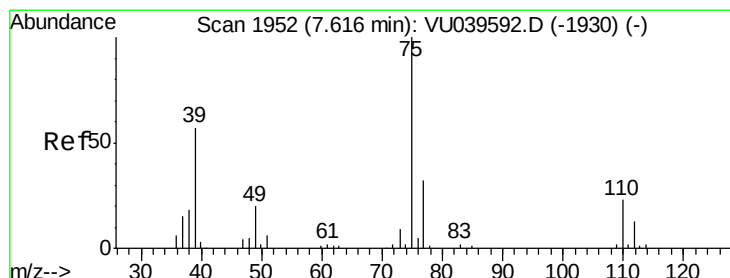
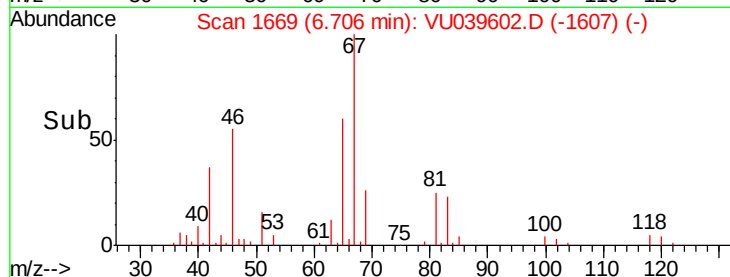
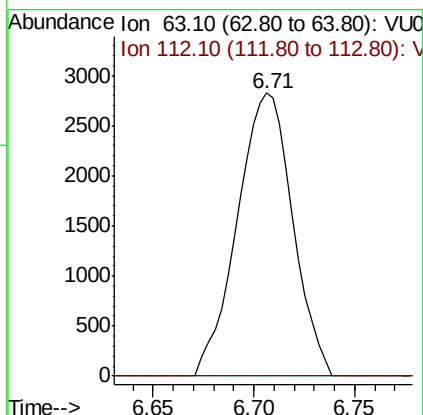
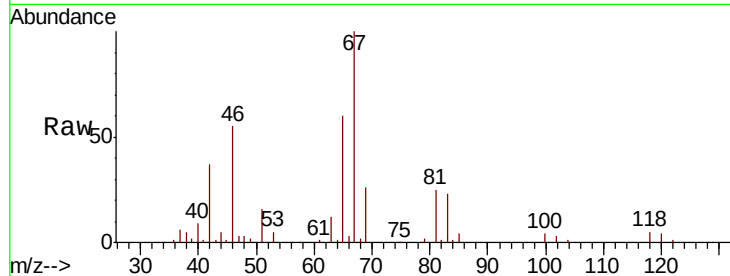




#37
 1,2-Dichloropropane
 Concen: 0.762 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039602.D
 Acq: 21 Jul 2020 17:19

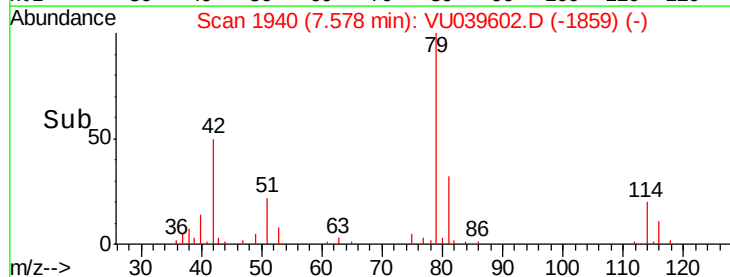
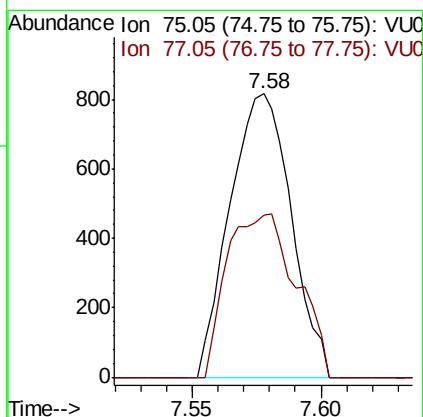
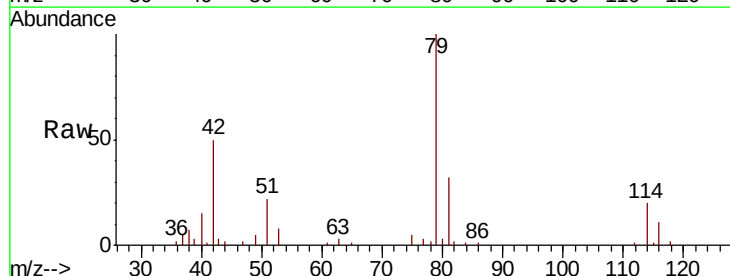
Instrument :
 MSVOA_U
 ClientSampleId :

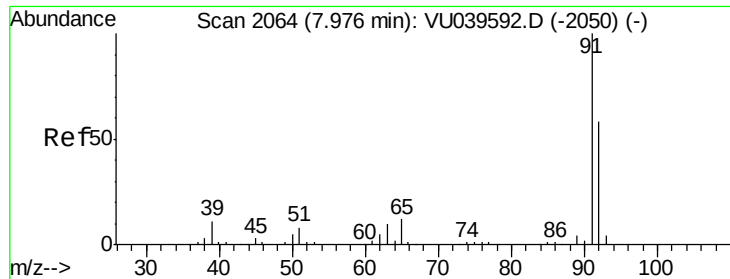
Tot Ion: 63 Resp: 5421
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.132 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039602.D
 Acq: 21 Jul 2020 17:19

Tgt Ion: 75 Resp: 1353
 Ion Ratio Lower Upper
 75 100
 77 57.4 23.2 43.0#





#42

Toluene

Concen: 6.188 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_U

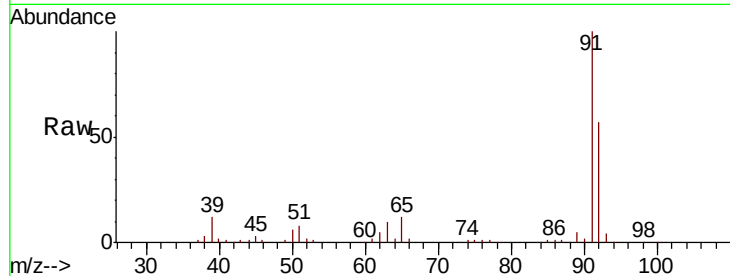
ClientSampled :

Tot Ion: 91 Resp: 173146

Ion Ratio Lower Upper

91 100

92 57.0 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

100000

80000

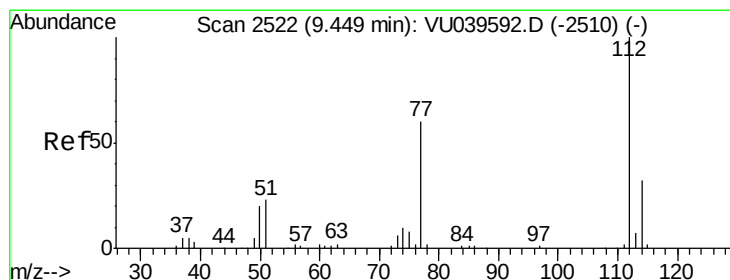
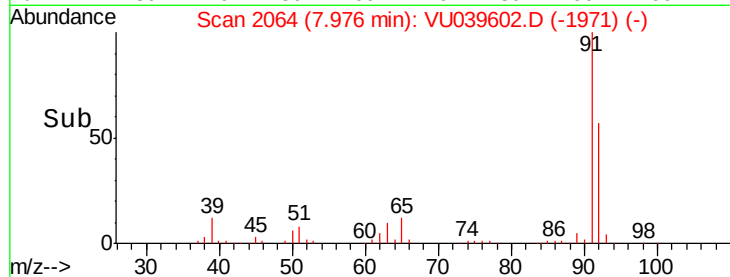
60000

40000

20000

0

Time-->



#51

Chlorobenzene

Concen: 5.552 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

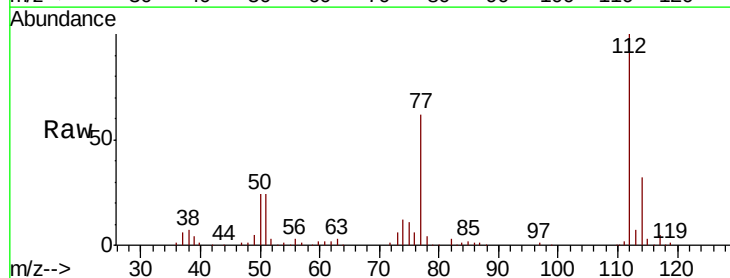
Tgt Ion: 112 Resp: 99433

Ion Ratio Lower Upper

112 100

114 32.0 22.9 42.5

77 61.8 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): VU039592.D (-2510) (-)

Ion 114.05 (113.75 to 114.75): VU039592.D (-2510) (-)

Ion 77.10 (76.80 to 77.80): VU039592.D (-2510) (-)

9.45

80000

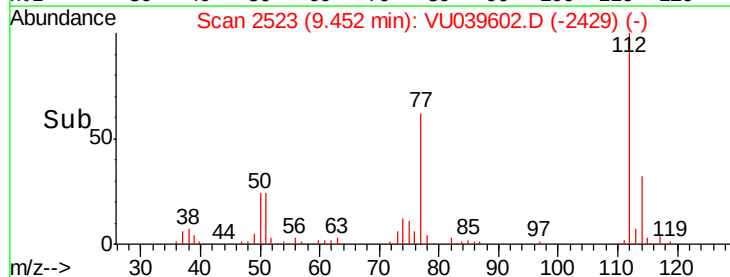
60000

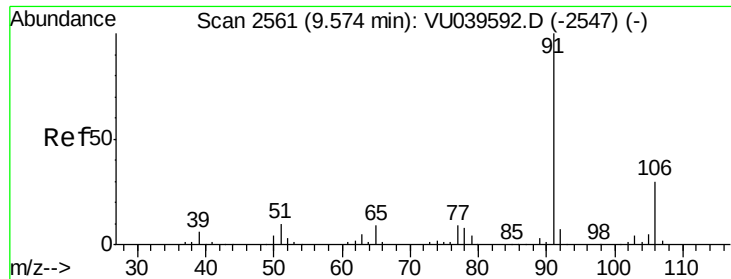
40000

20000

0

Time-->





#52

Ethylbenzene

Concen: 0.218 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039602.D

Acq: 21 Jul 2020 17:19

Instrument :

MSVOA_U

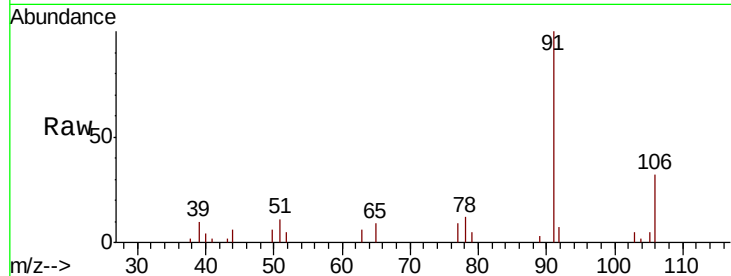
ClientSampleId :

Tot Ion: 91 Resp: 6947

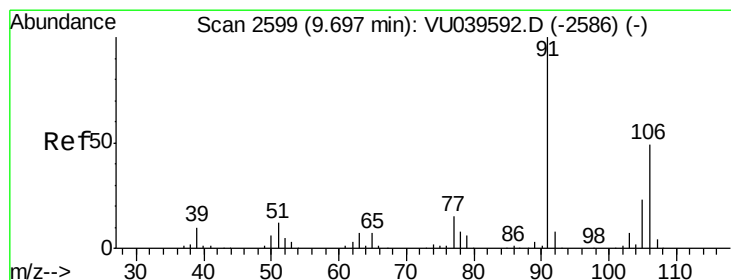
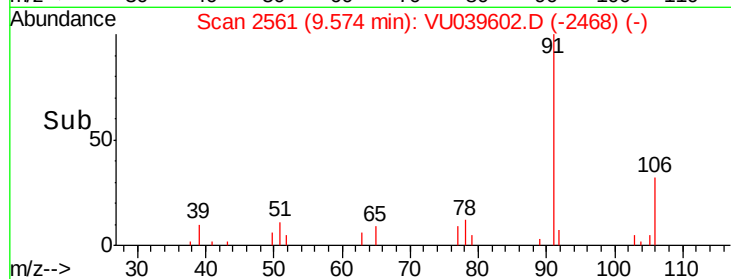
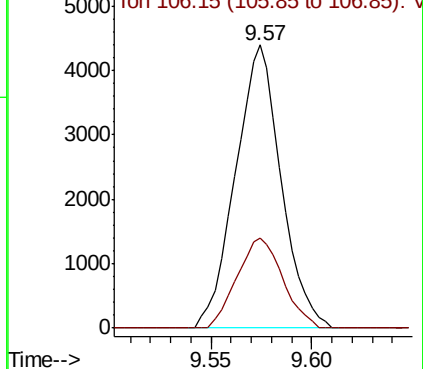
Ion Ratio Lower Upper

91 100

106 32.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.229 ug/L

RT: 9.70 min Scan# 2600

Delta R.T. 0.00 min

Lab File: VU039602.D

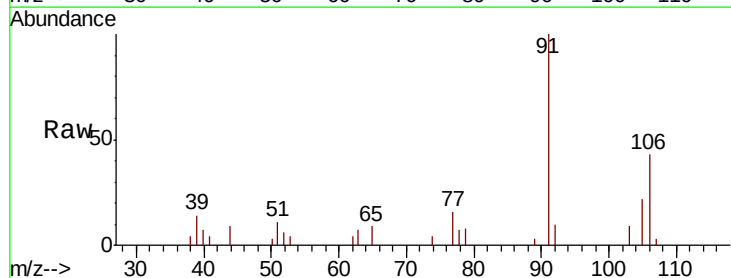
Acq: 21 Jul 2020 17:19

Tgt Ion: 106 Resp: 2716

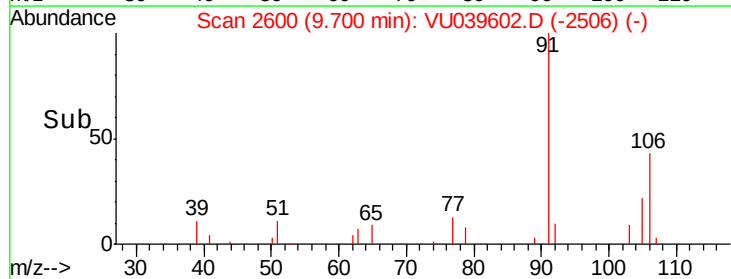
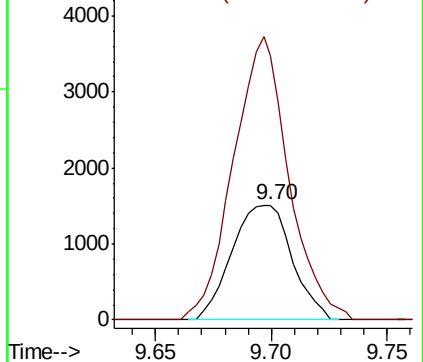
Ion Ratio Lower Upper

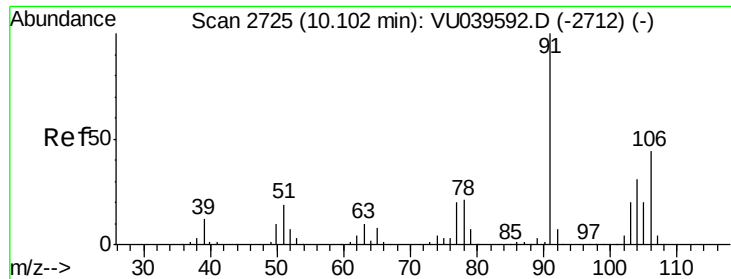
106 100

91 230.5 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2586) (-)

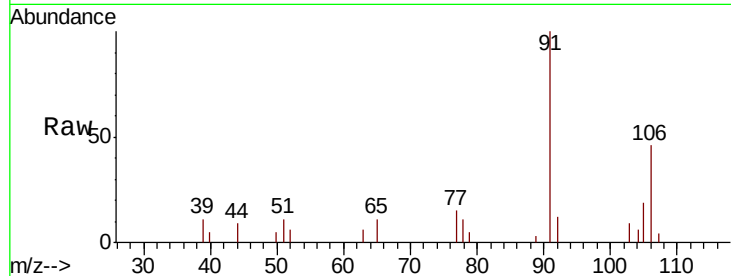




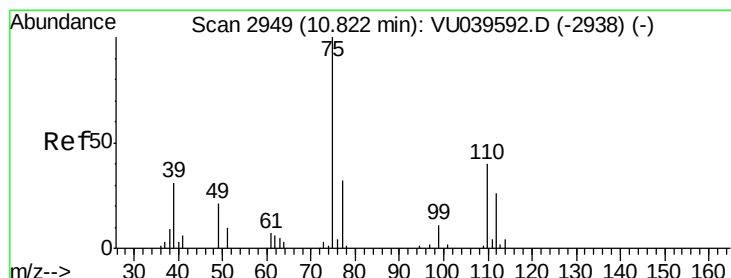
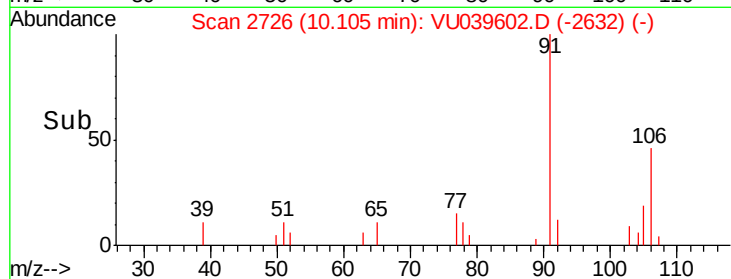
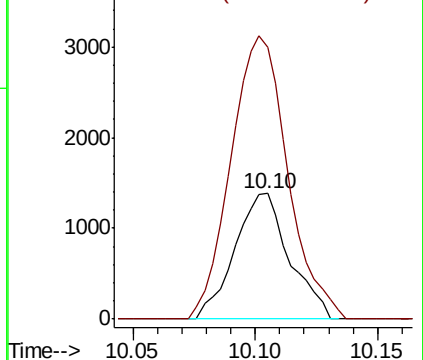
#54
o-Xylene
Concen: 0.185 ug/L
RT: 10.10 min Scan# 2726
Delta R.T. 0.00 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2143
Ion Ratio Lower Upper
106 100
91 216.9 157.4 292.4

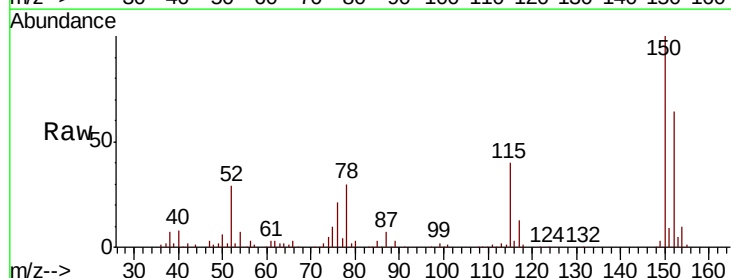


Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2712) (-)
Ion 91.15 (90.85 to 91.85): VU039592.D (-2712) (-)



#59
1,2,3-Trichloropropane
Concen: 1.457 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039602.D
Acq: 21 Jul 2020 17:19

Tgt Ion: 75 Resp: 7605
Ion Ratio Lower Upper
75 100
77 39.1 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU039592.D (-2938) (-)
Ion 77.00 (76.70 to 77.70): VU039592.D (-2938) (-)

