

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039606.D
 Acq On : 21 Jul 2020 18:52
 Operator : SY/MD
 Sample : L3347-09MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:07:11 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	109789	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	102982	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47769	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31893	6.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.20%
7) Chloroethane-d5	1.92	69	36104	6.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.80%
11) 1,1-Dichloroethene-d2	2.58	63	68537	5.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	119.60%
20) 2-Butanone-d5	4.66	46	121518	52.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.74%
24) Chloroform-d	5.09	84	66443	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.72	65	43059	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.75	84	131346	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.71	67	43004	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.91	98	120311	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	8.19	79	16646	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.64	63	87692	50.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.24%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	36329	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44069	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.59	96	29440	5.670 ug/L	95
13) Acetone	2.66	43	4480	3.502 ug/L	85
14) Carbon disulfide	2.81	76	2988	0.191 ug/L	97
15) Methyl Acetate	2.97	43	1159	0.371 ug/L #	56
25) Chloroform	5.11	83	3447	0.256 ug/L	100
27) 1,2-Dichloroethane	5.79	62	1375	0.150 ug/L #	76
33) Benzene	5.79	78	147018	5.941 ug/L	100
34) Trichloroethene	6.56	95	38292	5.619 ug/L	97
35) Methylcyclohexane	6.77	83	1165	0.116 ug/L #	68
37) 1,2-Dichloropropane	6.70	63	5106	0.741 ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1502	0.152 ug/L #	61
42) Toluene	7.98	91	164479	6.071 ug/L	98
47) Tetrachloroethene	8.56	164	1274	0.273 ug/L #	81
48) 2-Hexanone	8.70	43	4169	1.048 ug/L #	96
49) Dibromochloromethane	8.56	129	1119	0.176 ug/L #	11
51) Chlorobenzene	9.45	112	97530	5.625 ug/L	97
52) Ethylbenzene	9.57	91	5298	0.172 ug/L	88

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QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

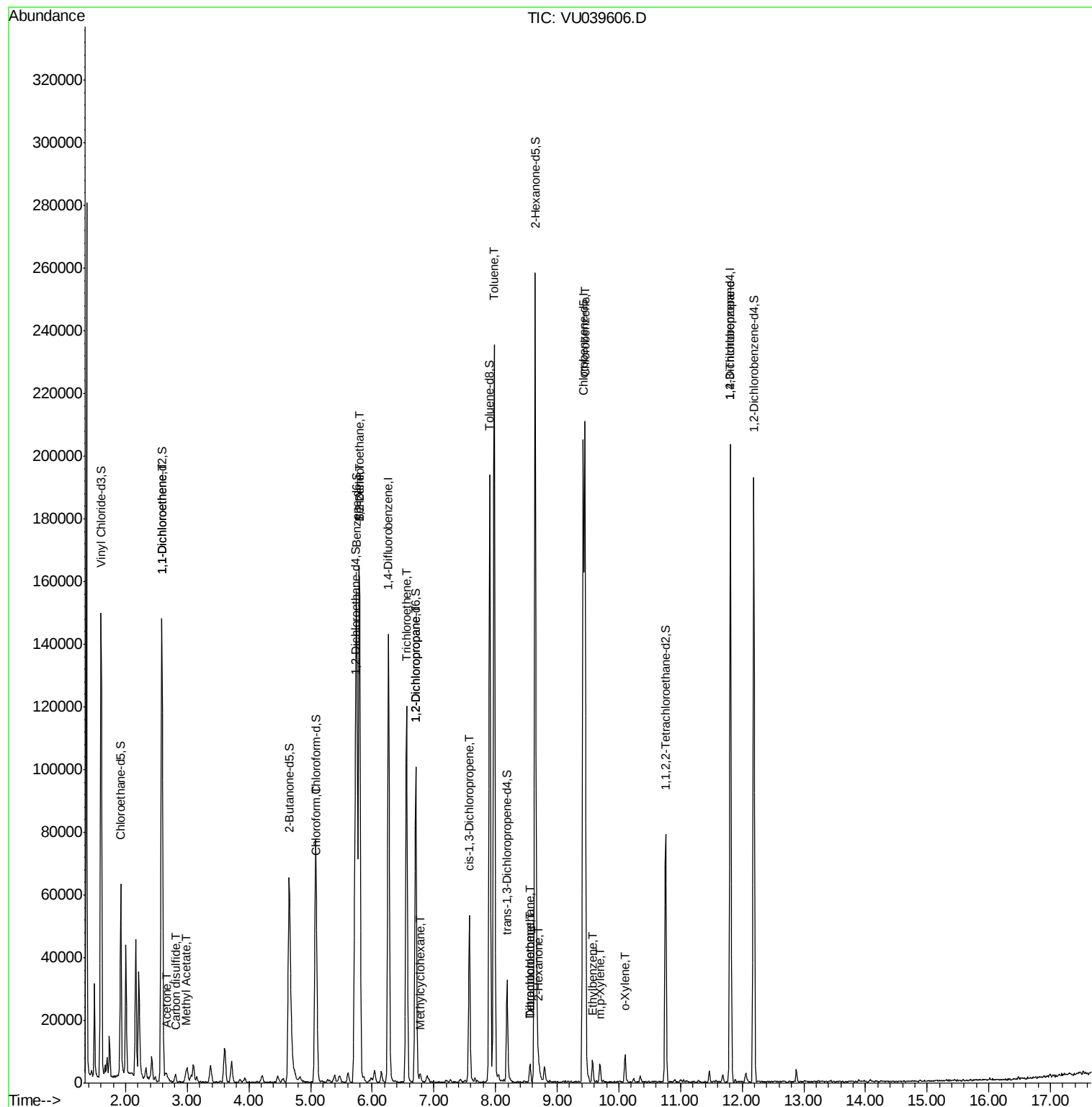
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.70	106	1696	0.147	ug/L	72
54) o-Xylene	10.11	106	2257	0.201	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	7444	1.473	ug/L	89

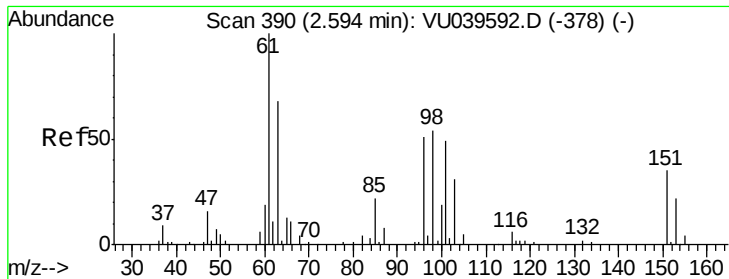
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.670 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :

MSVOA_U

ClientSampled :

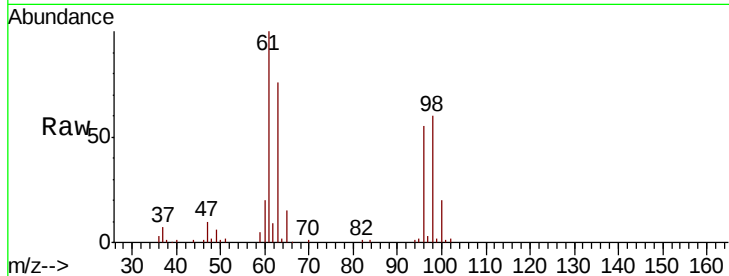
Tot Ion: 96 Resp: 29440

Ion Ratio Lower Upper

96 100

61 181.2 129.1 239.7

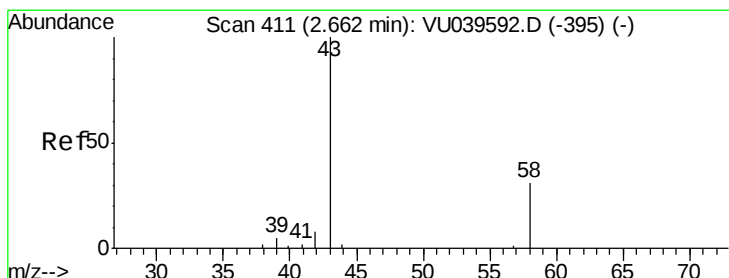
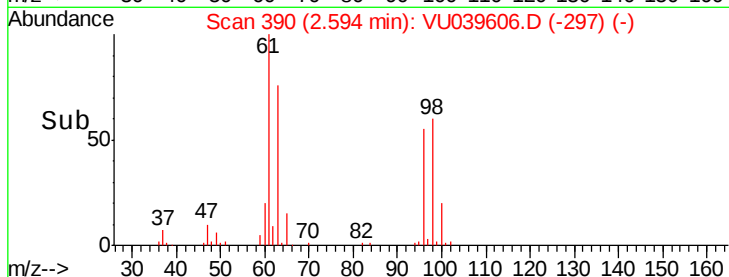
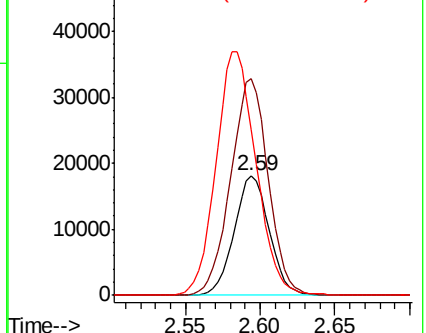
63 138.3 89.7 166.7



Abundance Ion 96.00 (95.70 to 96.70): VU039592.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU039592.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU039592.D (-378) (-)



#13

Acetone

Concen: 3.502 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU039606.D

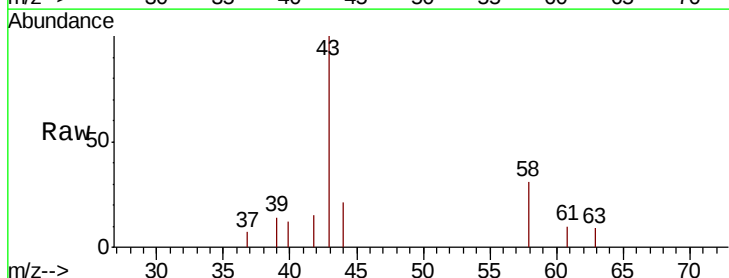
Acq: 21 Jul 2020 18:52

Tgt Ion: 43 Resp: 4480

Ion Ratio Lower Upper

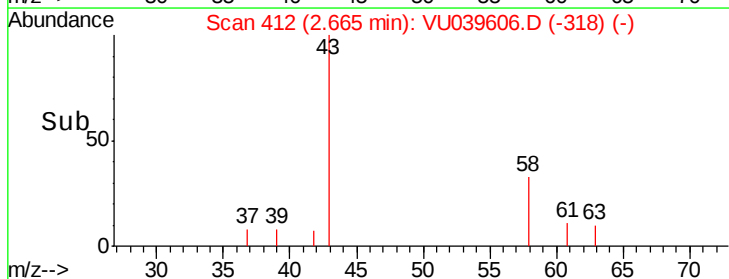
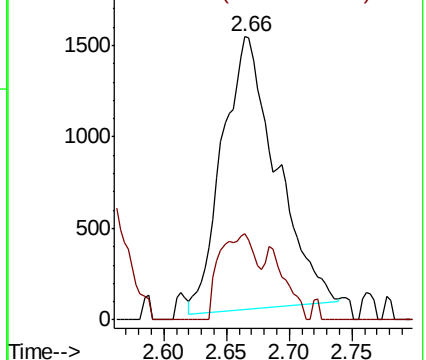
43 100

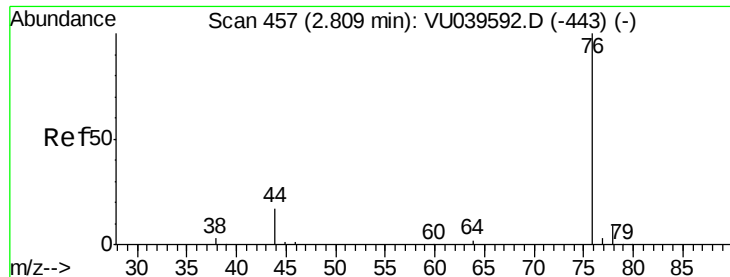
58 21.3 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039592.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU039592.D (-395) (-)





#14

Carbon disulfide

Concen: 0.191 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :

MSVOA_U

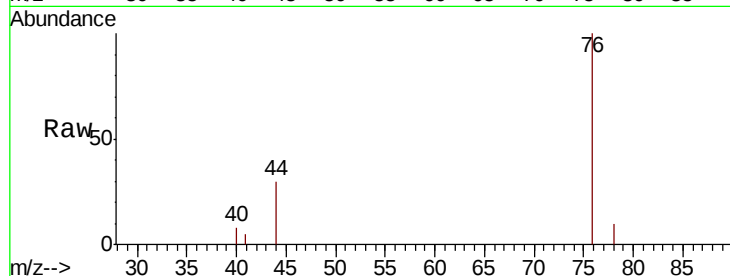
ClientSampled :

Tot Ion: 76 Resp: 2988

Ion Ratio Lower Upper

76 100

78 10.1 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

2000

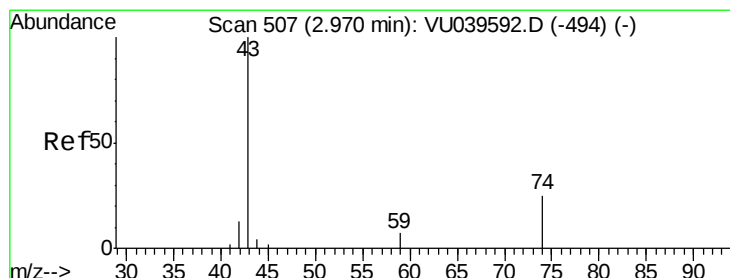
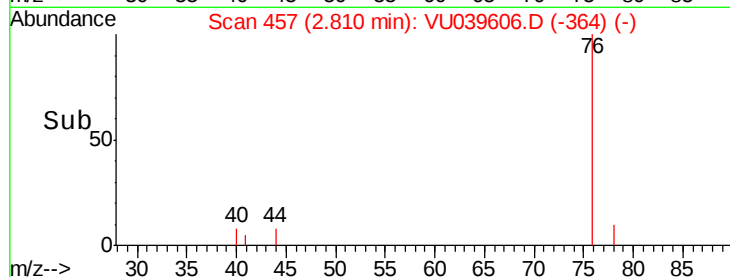
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 0.371 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039606.D

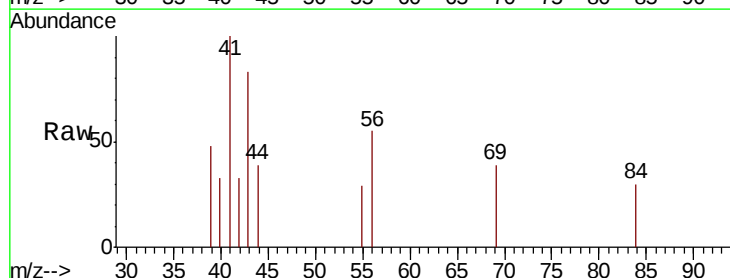
Acq: 21 Jul 2020 18:52

Tgt Ion: 43 Resp: 1159

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) (-)

2.97

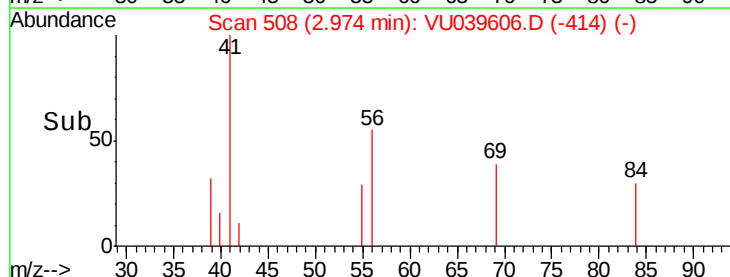
600

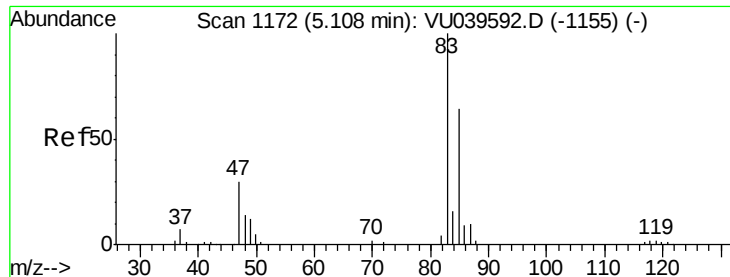
400

200

0

Time-->

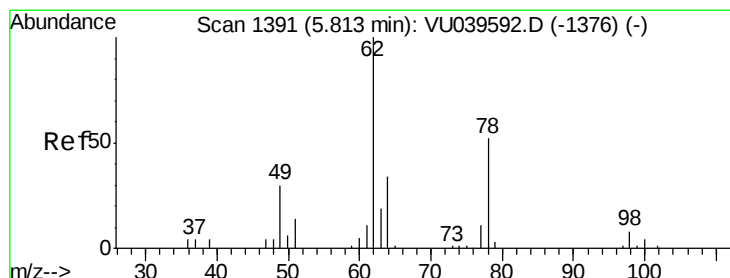
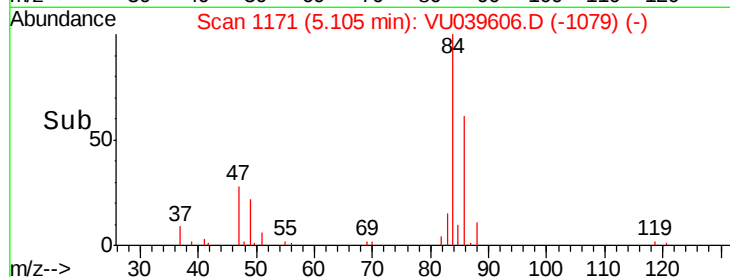
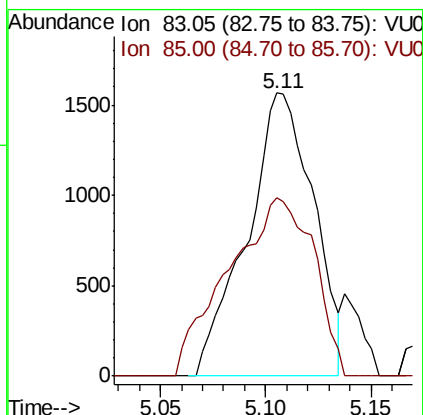
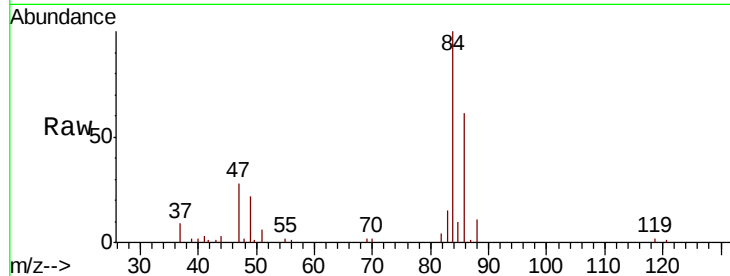




#25
Chloroform
Concen: 0.256 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

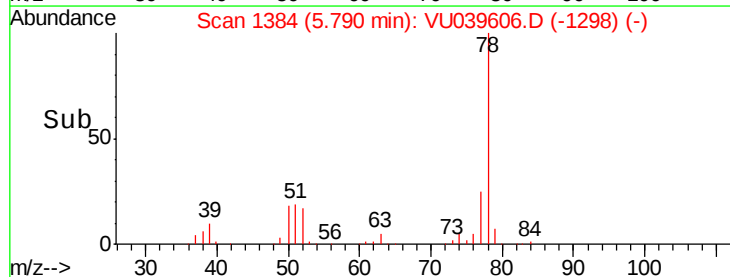
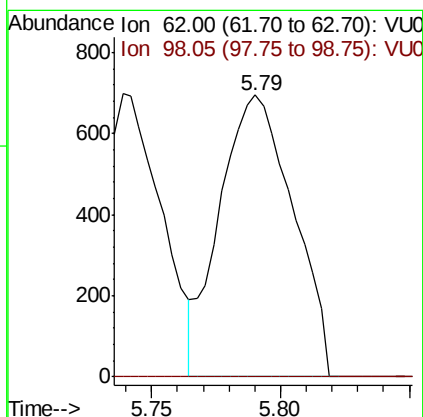
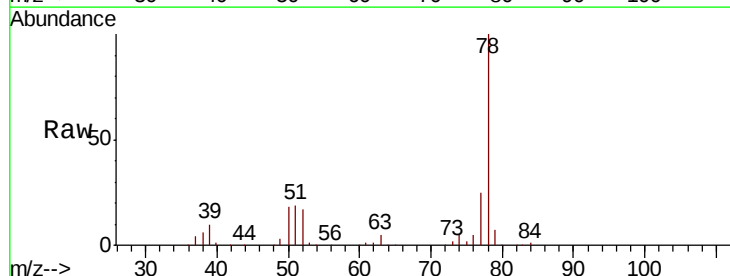
Instrument :
MSVOA_U
ClientSampleId :

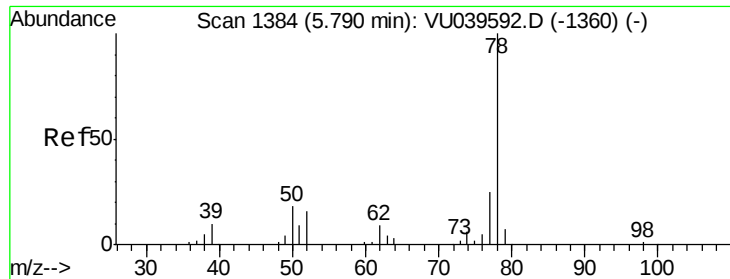
Tot Ion: 83 Resp: 3447
Ion Ratio Lower Upper
83 100
85 63.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 0.150 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Tgt Ion: 62 Resp: 1375
Ion Ratio Lower Upper
62 100
98 0.0 6.7 10.1#

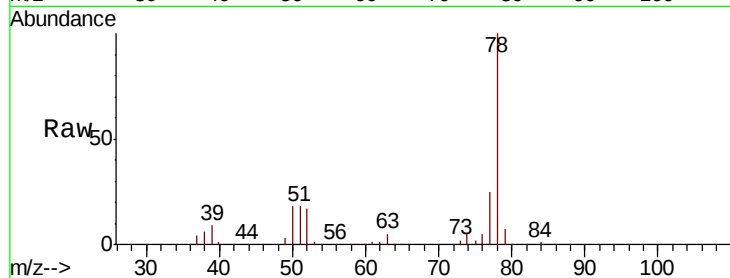




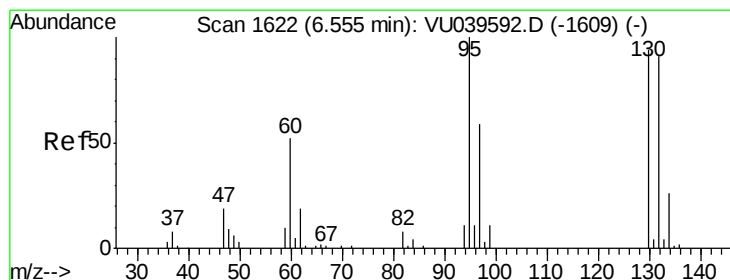
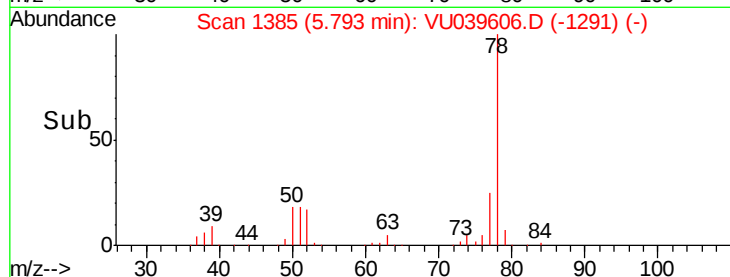
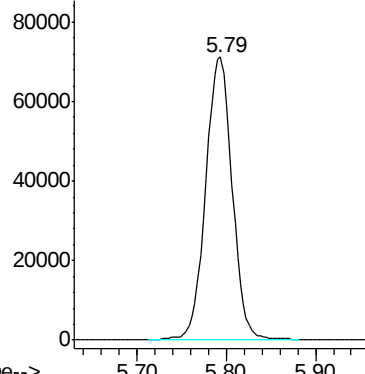
#33
Benzene
Concen: 5.941 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 147018



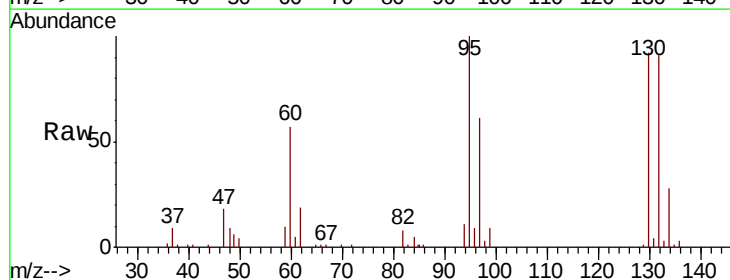
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 5.619 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Tgt Ion: 95 Resp: 38292

Ion	Ratio	Lower	Upper
95	100		
97	61.3	44.9	83.3
132	90.8	62.8	116.6
130	91.9	61.5	114.1

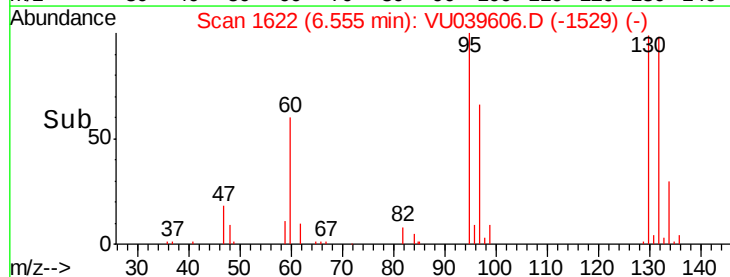
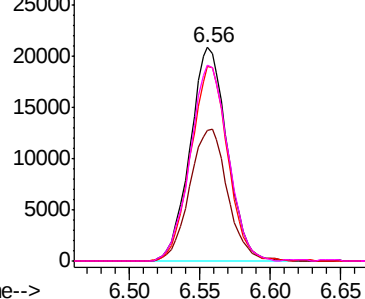


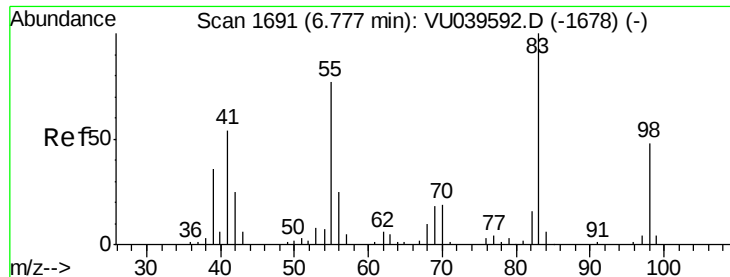
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

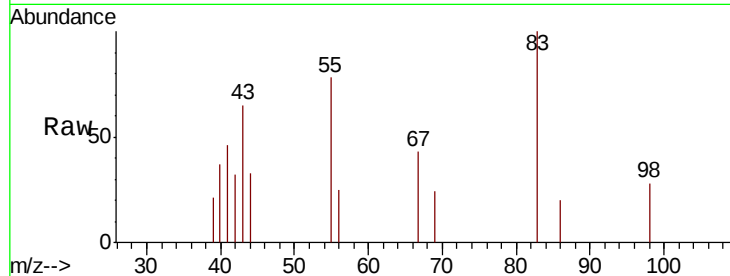




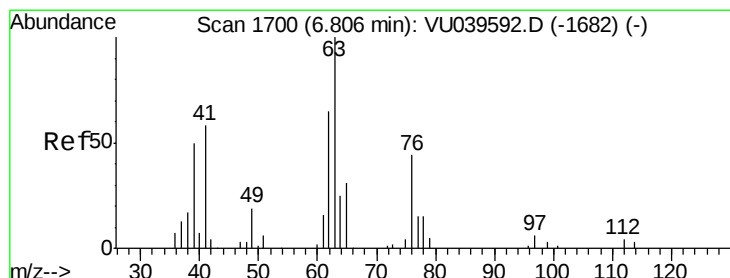
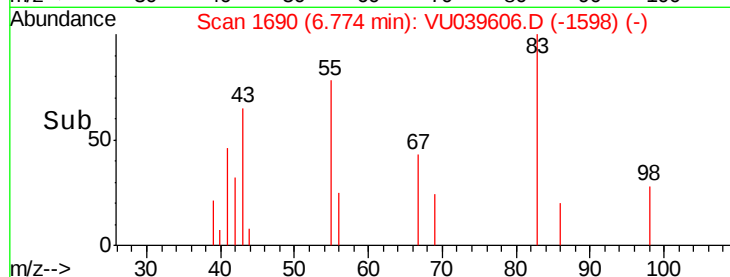
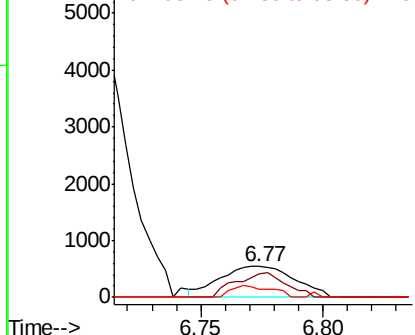
#35
Methvlcvclohexane
Concen: 0.116 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 1165
Ion Ratio Lower Upper
83 100
55 53.1 63.0 94.6#
98 20.7 35.3 52.9#

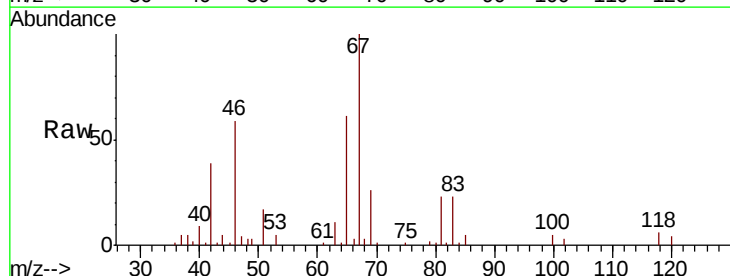


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

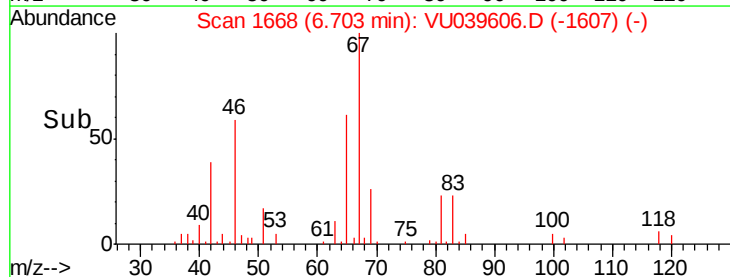
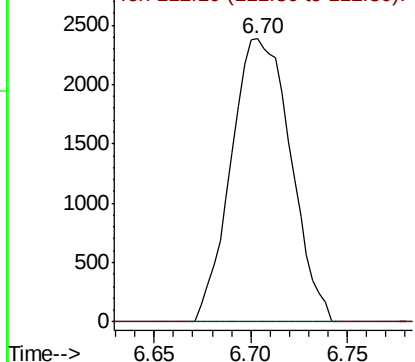


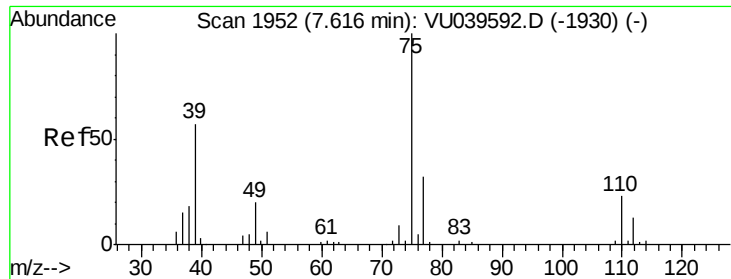
#37
1,2-Dichloropropane
Concen: 0.741 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Tgt Ion: 63 Resp: 5106
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

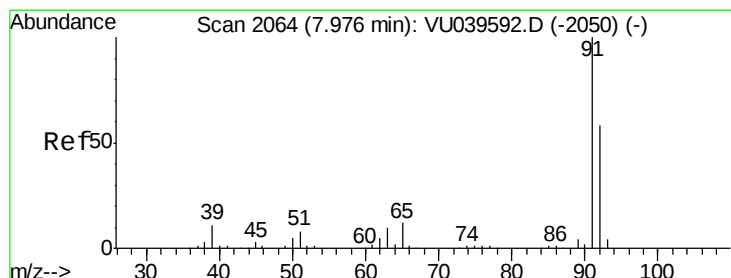
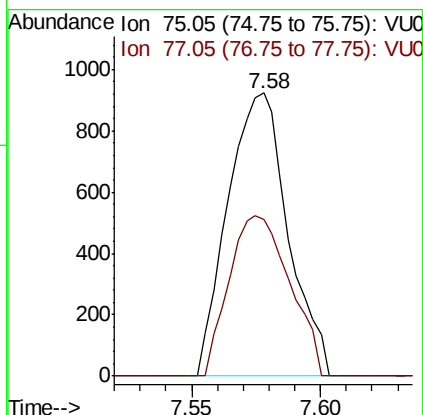
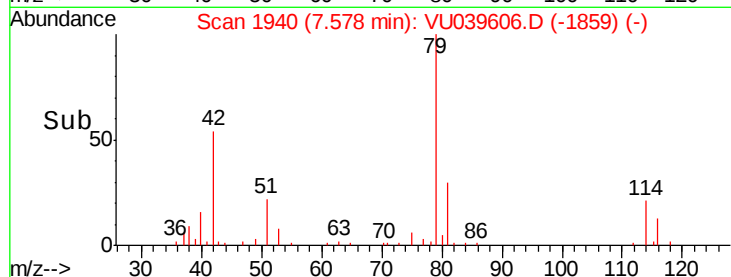
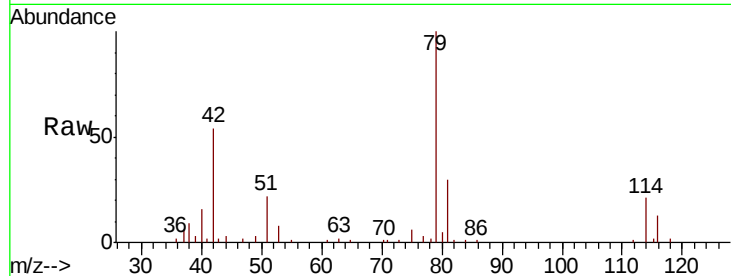




#39
 cis-1,3-Dichloropropene
 Concen: 0.152 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

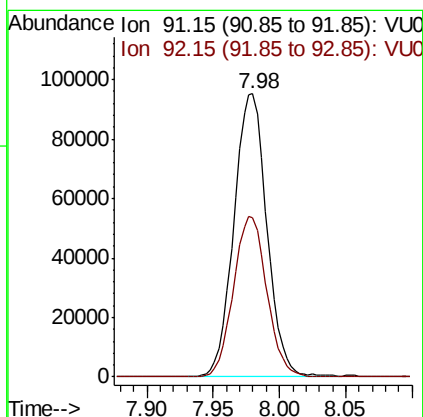
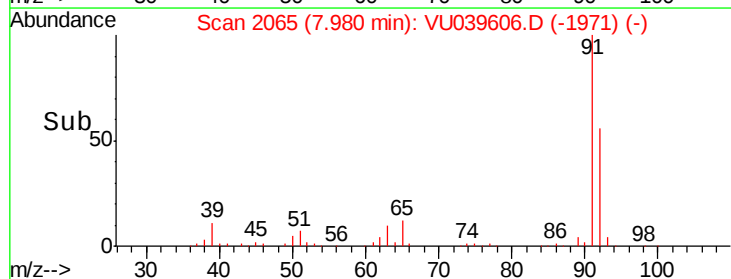
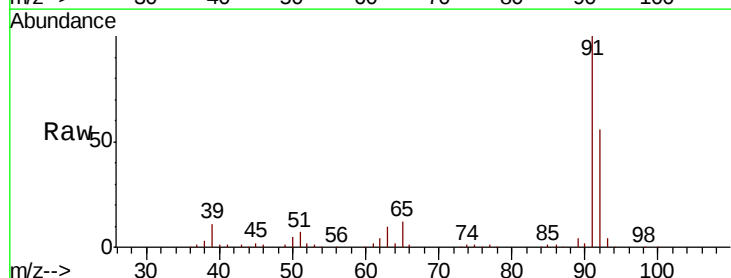
Instrument :
 MSVOA_U
 ClientSampled :

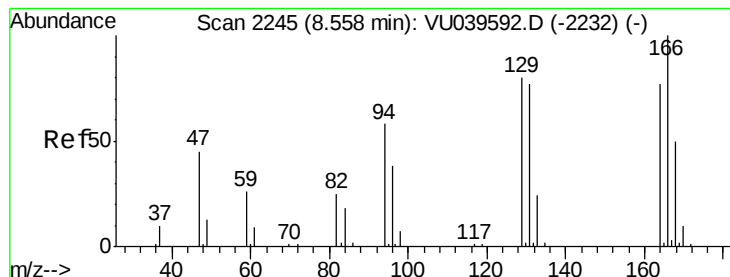
Tot Ion: 75 Resp: 1502
 Ion Ratio Lower Upper
 75 100
 77 55.4 23.2 43.0#



#42
 Toluene
 Concen: 6.071 ug/L
 RT: 7.98 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VU039606.D
 Acq: 21 Jul 2020 18:52

Tgt Ion: 91 Resp: 164479
 Ion Ratio Lower Upper
 91 100
 92 56.5 38.6 71.6





#47

Tetrachloroethene

Concen: 0.273 ug/L

RT: 8.56 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 1274

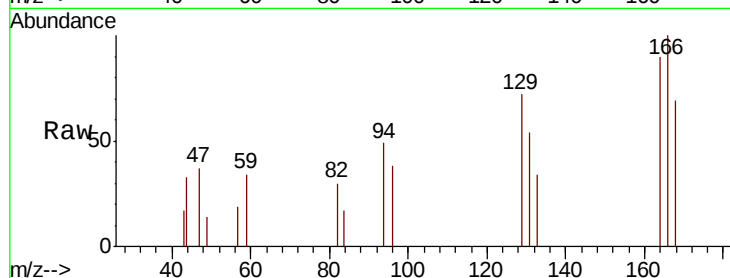
Ion Ratio Lower Upper

164 100

129 79.6 67.9 126.1

131 59.7 64.7 120.1#

166 111.1 85.1 158.1

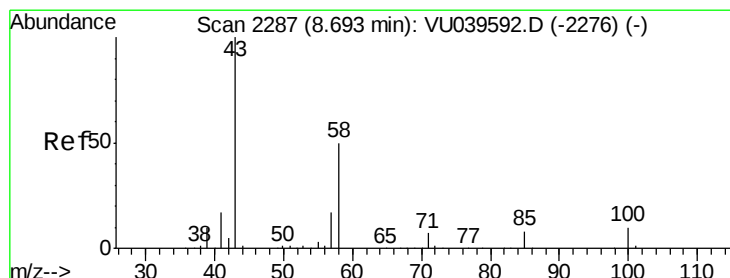
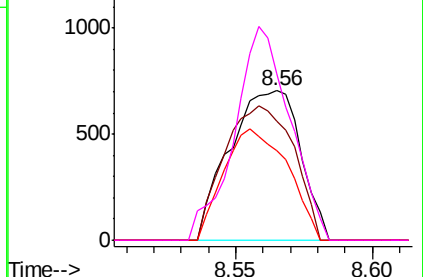
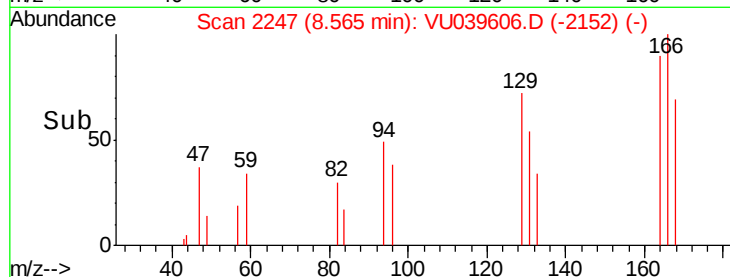


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.048 ug/L

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Tgt Ion: 43 Resp: 4169

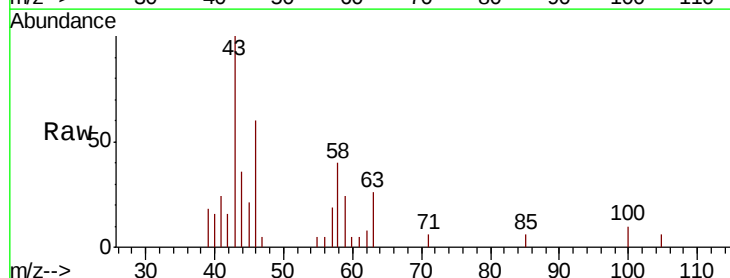
Ion Ratio Lower Upper

43 100

58 48.9 40.9 61.3

57 20.2 14.6 21.8

100 6.4 7.9 11.9#

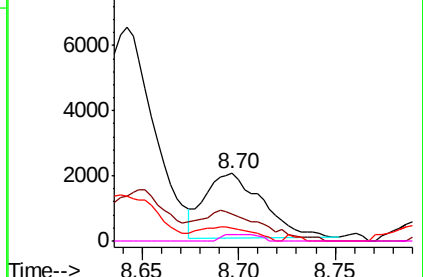
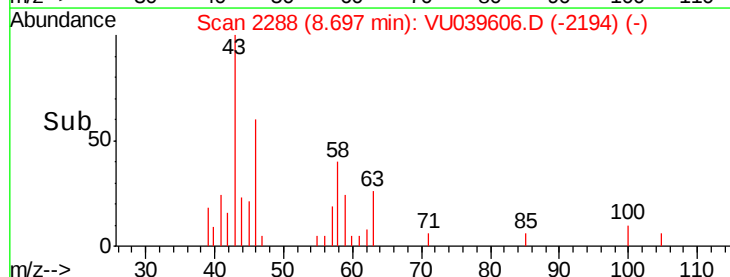


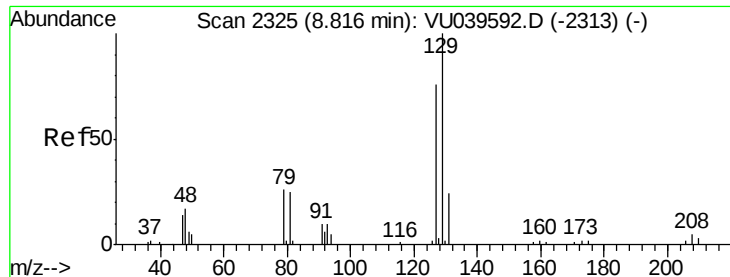
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 0.176 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.26 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

Instrument :

MSVOA_U

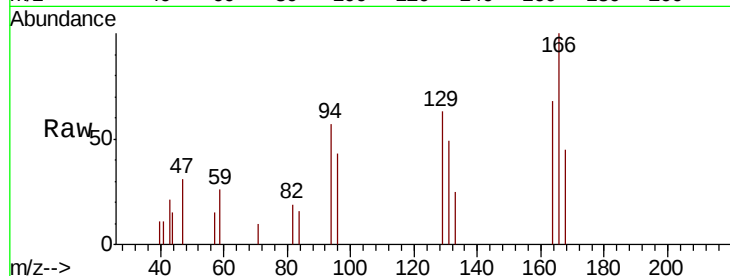
ClientSampled :

Tot Ion:129 Resp: 1119

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

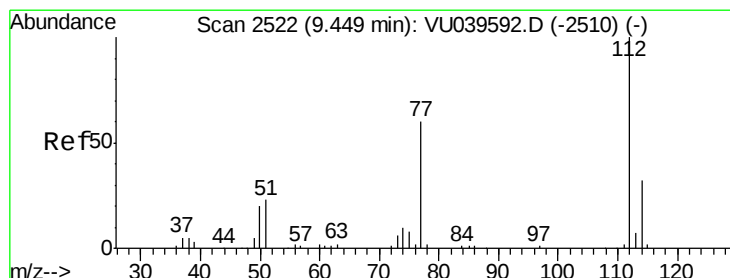
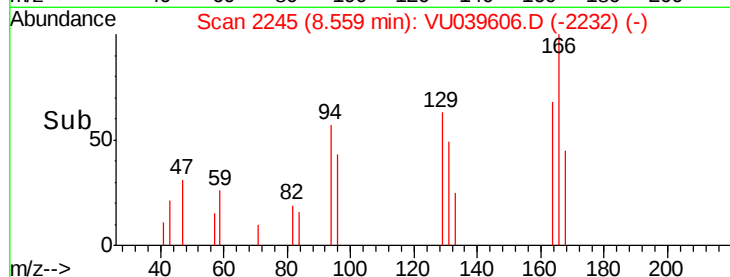
600

400

200

0

Time-->



#51

Chlorobenzene

Concen: 5.625 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

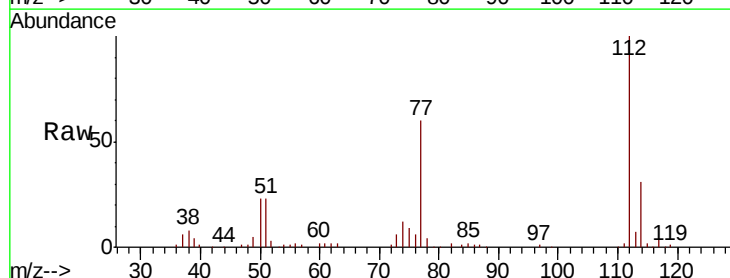
Tgt Ion:112 Resp: 97530

Ion Ratio Lower Upper

112 100

114 31.0 22.9 42.5

77 60.3 50.0 75.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

80000

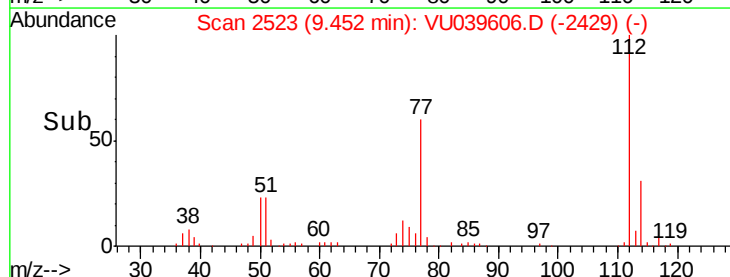
60000

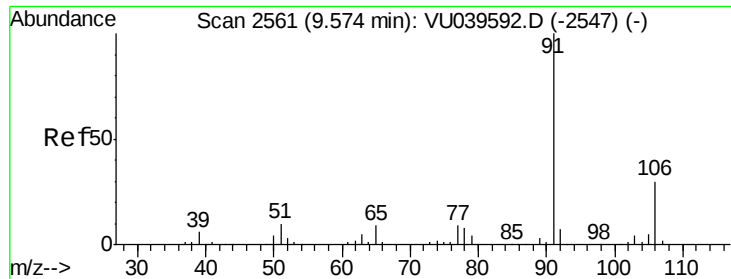
40000

20000

0

Time-->





#52

Ethylbenzene

Concen: 0.172 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039606.D

Acq: 21 Jul 2020 18:52

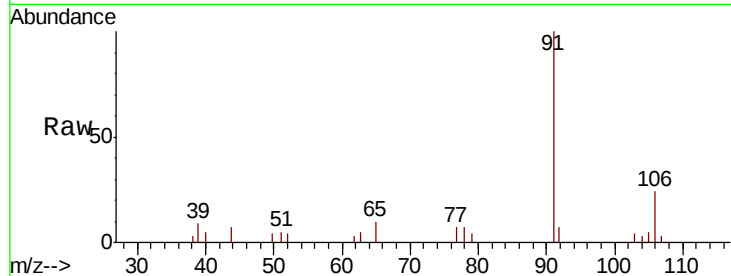
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 5298

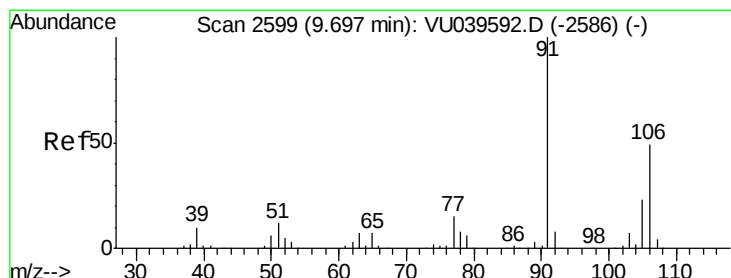
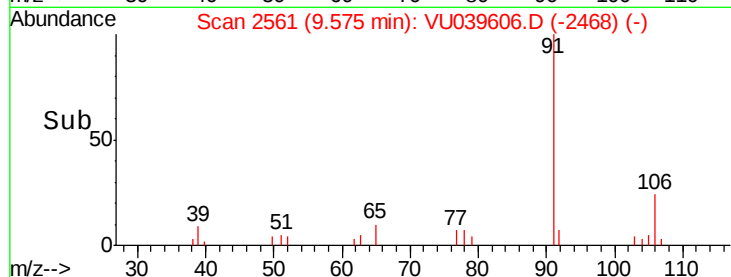
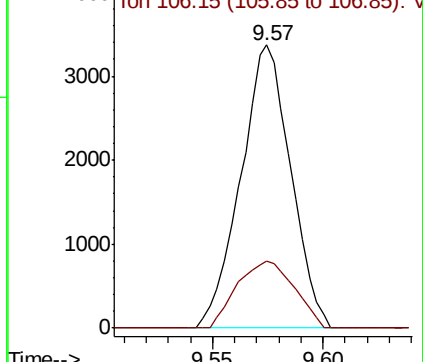
Ion Ratio Lower Upper

91 100

106 23.8 21.3 39.6



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



#53

m,p-Xylene

Concen: 0.147 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039606.D

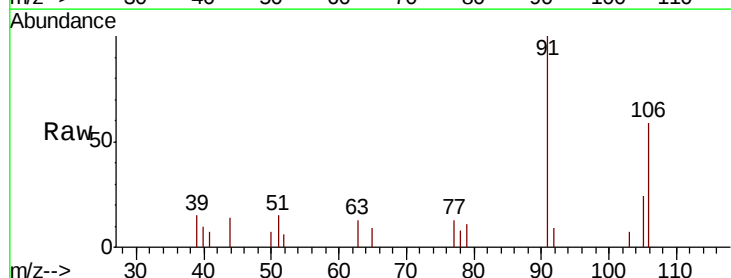
Acq: 21 Jul 2020 18:52

Tgt Ion: 106 Resp: 1696

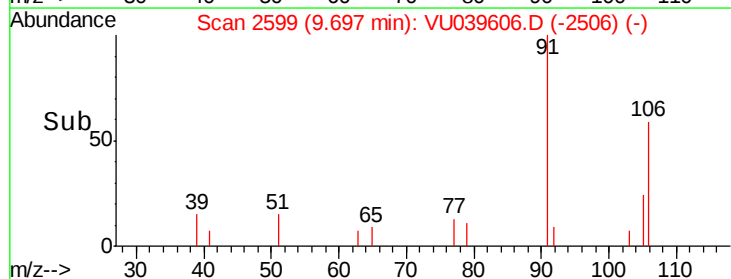
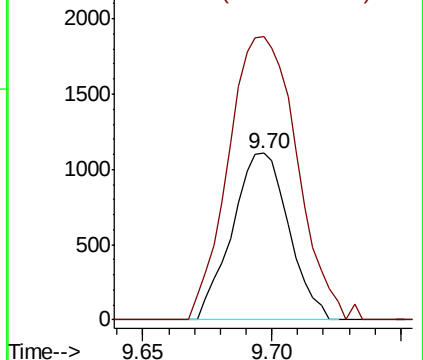
Ion Ratio Lower Upper

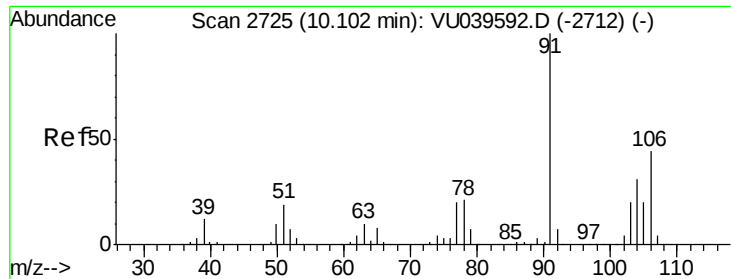
106 100

91 169.7 149.3 277.3



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

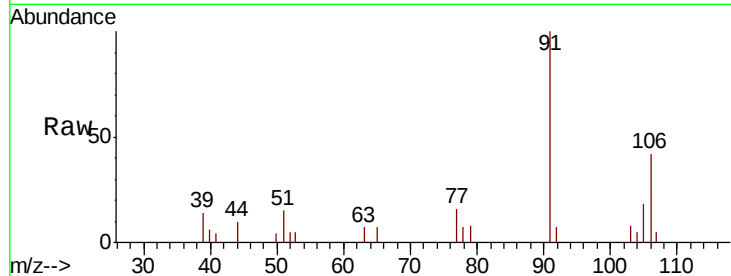




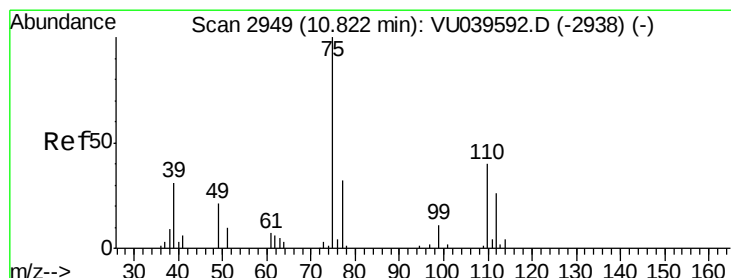
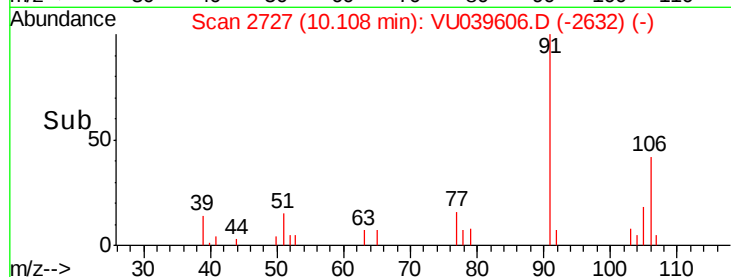
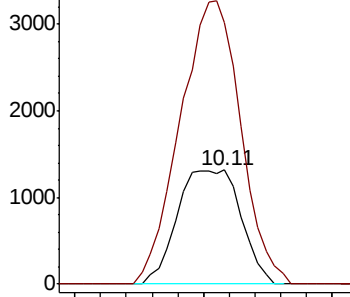
#54
o-Xylene
Concen: 0.201 ug/L
RT: 10.11 min Scan# 2727
Delta R.T. 0.01 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 2257
Ion Ratio Lower Upper
106 100
91 229.9 157.4 292.4

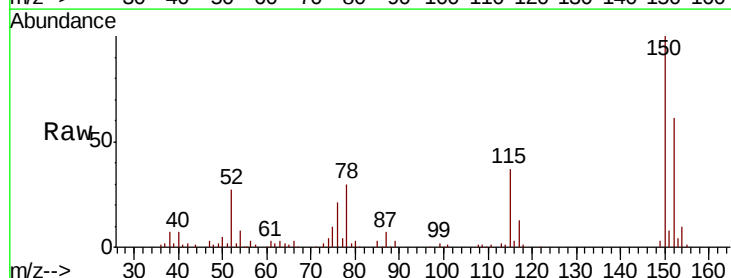


Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2712) (-)
Ion 91.15 (90.85 to 91.85): VU039592.D (-2712) (-)



#59
1,2,3-Trichloropropane
Concen: 1.473 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039606.D
Acq: 21 Jul 2020 18:52

Tgt Ion: 75 Resp: 7444
Ion Ratio Lower Upper
75 100
77 38.2 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) (-)

