

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072120\
 Data File : VU039616.D
 Acq On : 21 Jul 2020 22:42
 Operator : SY/MD
 Sample : L3347-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:08:57 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	105646	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	99928	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	32204	6.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.40%#
7) Chloroethane-d5	1.92	69	32941	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.20%
11) 1,1-Dichloroethene-d2	2.58	63	50283	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.66	46	122165	55.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.46%
24) Chloroform-d	5.08	84	63995	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	42724	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	5.75	84	130741	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.71	67	42040	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.91	98	116681	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	8.19	79	16758	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.64	63	87292	51.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.86%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	35994	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	43882	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.59	50	19454	3.467	ug/L #	78
12) 1,1-Dichloroethene	2.58	96	320	0.064	ug/L #	1
13) Acetone	2.66	43	11731	9.530	ug/L	86
15) Methyl Acetate	2.98	43	6037	2.008	ug/L #	56
16) Methylene chloride	3.06	84	3144	0.436	ug/L	97
25) Chloroform	5.11	83	6658	0.513	ug/L	99
30) Cyclohexane	5.39	56	1396	0.150	ug/L #	1
33) Benzene	5.79	78	7930	0.330	ug/L	100
35) Methylcyclohexane	6.70	83	9709	0.999	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	4930	0.738	ug/L #	90
39) cis-1,3-Dichloropropene	7.57	75	1446	0.151	ug/L #	55
42) Toluene	7.98	91	17368	0.661	ug/L	87
48) 2-Hexanone	8.69	43	4126	1.069	ug/L #	80
52) Ethylbenzene	9.57	91	6905	0.231	ug/L	97
53) m,p-Xylene	9.70	106	3465	0.311	ug/L	94
54) o-Xylene	10.10	106	4179	0.384	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	7612	1.553	ug/L #	87

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

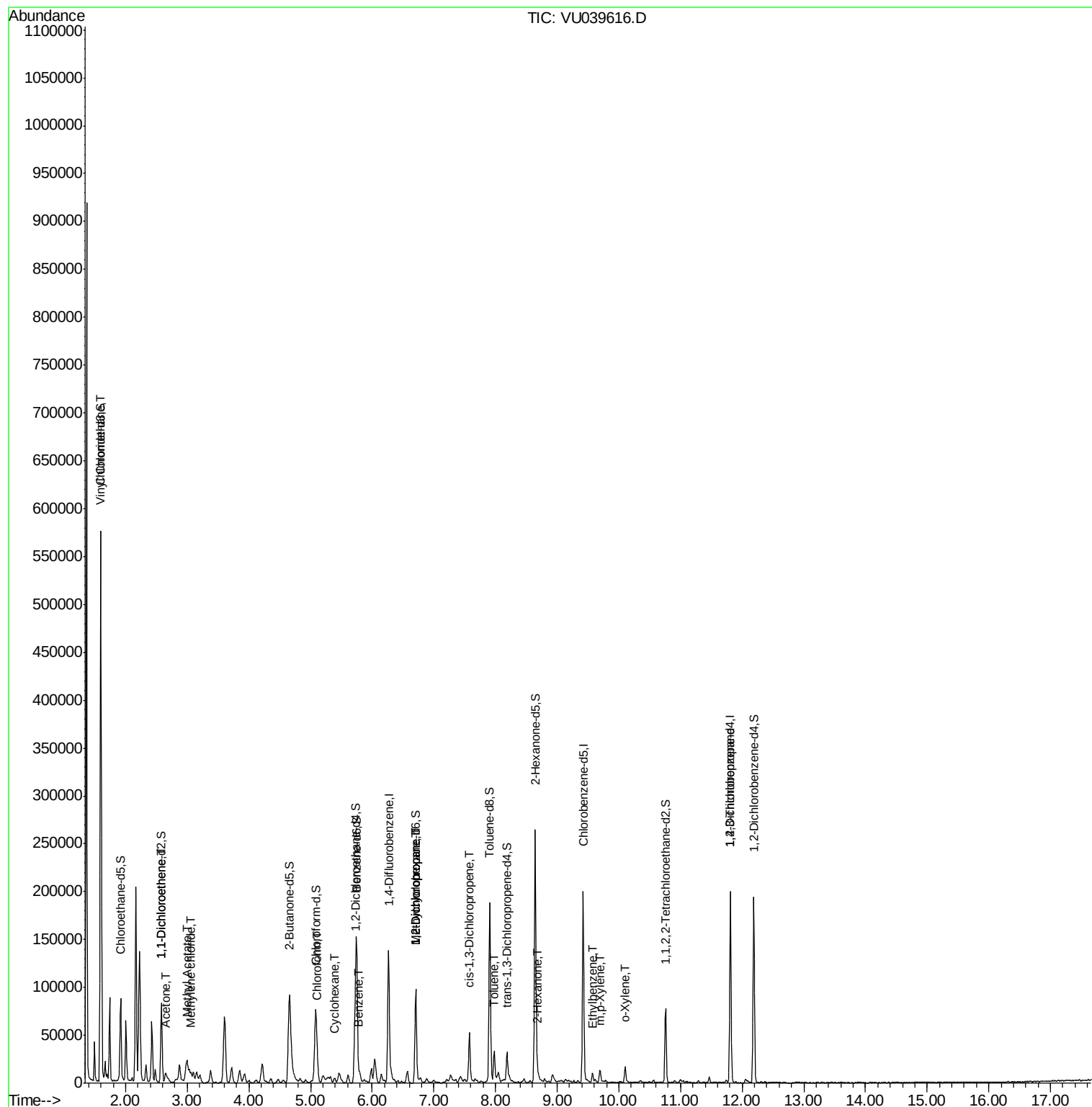
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

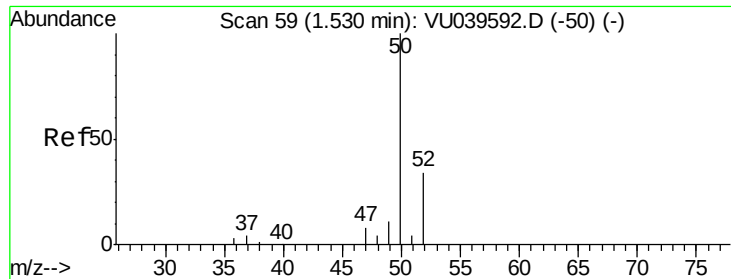
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 3.467 ug/L

RT: 1.59 min Scan# 79

Delta R.T. 0.06 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

Instrument :

MSVOA_U

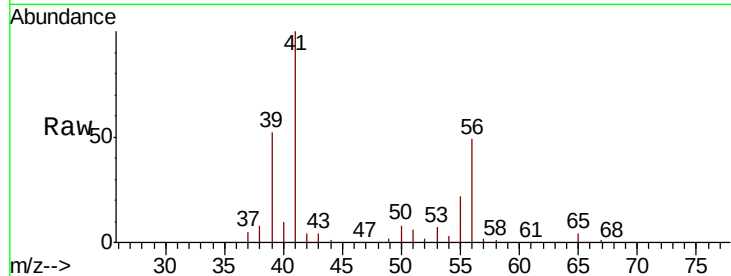
ClientSampleId :

Tot Ion: 50 Resp: 19454

Ion Ratio Lower Upper

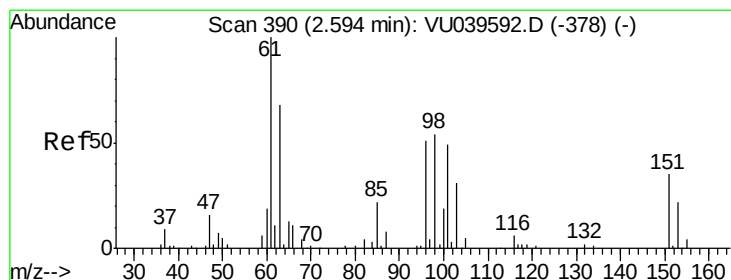
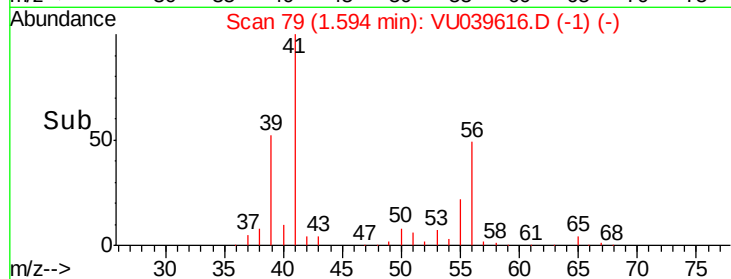
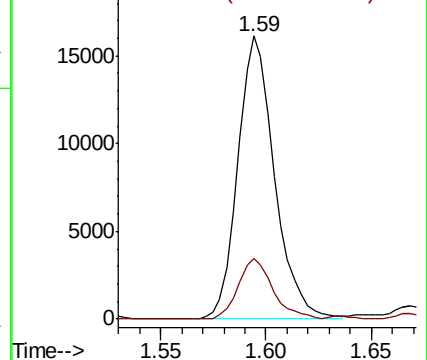
50 100

52 21.4 23.9 44.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

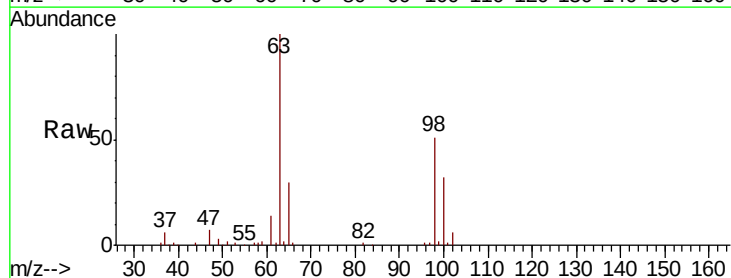
Tgt Ion: 96 Resp: 320

Ion Ratio Lower Upper

96 100

61 1514.2 129.1 239.7#

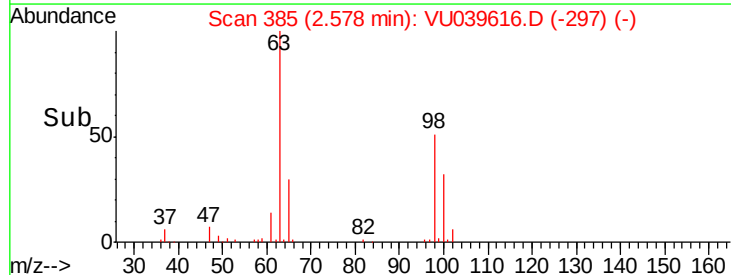
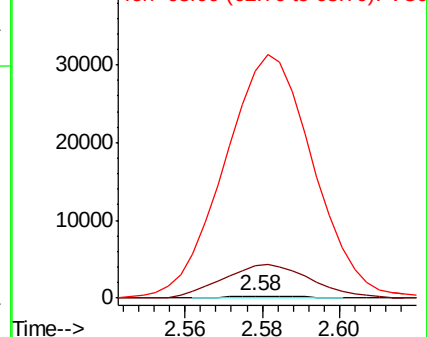
63 10638.5 89.7 166.7#

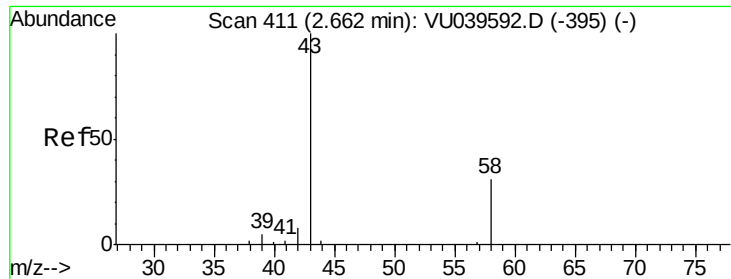


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.530 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

Instrument :

MSVOA_U

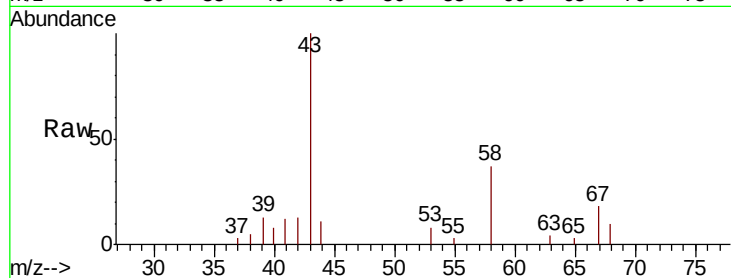
ClientSampleId :

Tot Ion: 43 Resp: 11731

Ion Ratio Lower Upper

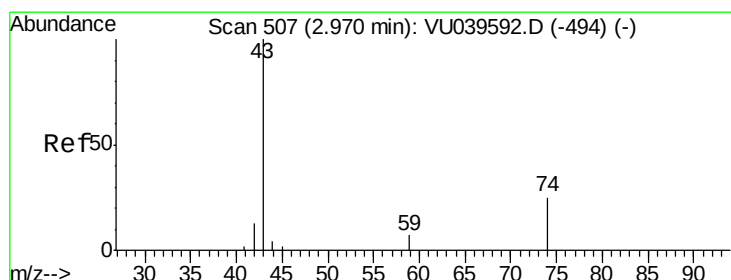
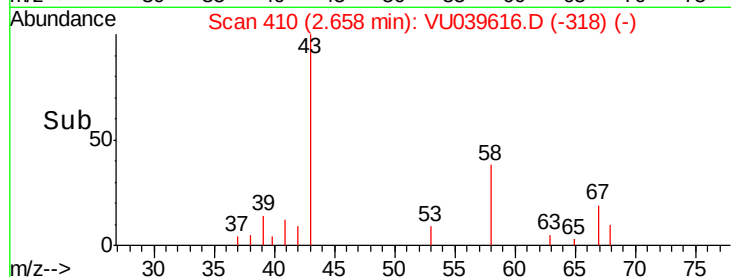
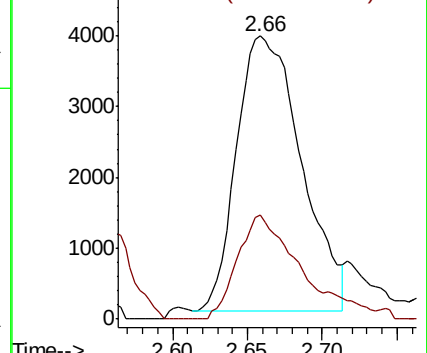
43 100

58 37.0 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) (-)



#15

Methyl Acetate

Concen: 2.008 ug/L

RT: 2.98 min Scan# 510

Delta R.T. 0.01 min

Lab File: VU039616.D

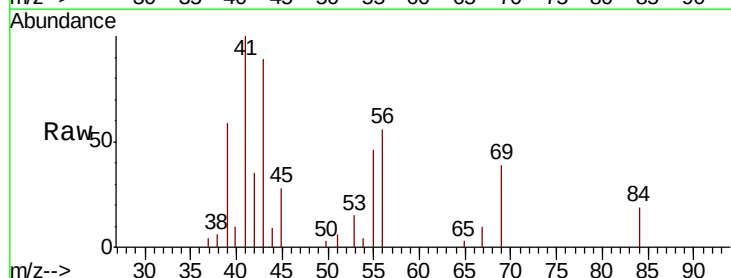
Acq: 21 Jul 2020 22:42

Tgt Ion: 43 Resp: 6037

Ion Ratio Lower Upper

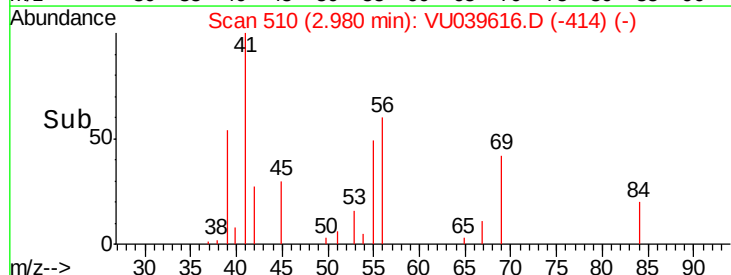
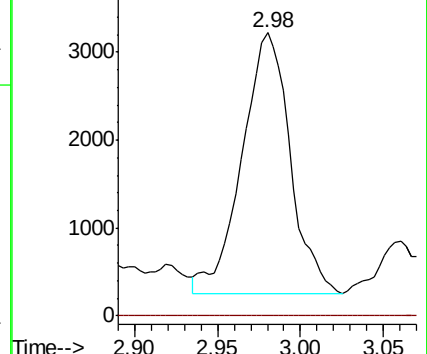
43 100

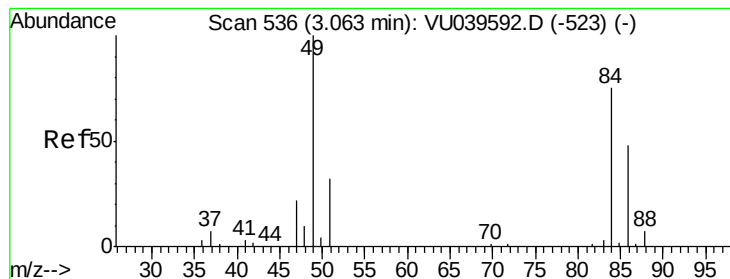
74 0.0 16.6 24.8#



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

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





#16

Methylene chloride

Concen: 0.436 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

Instrument :

MSVOA_U

ClientSampled :

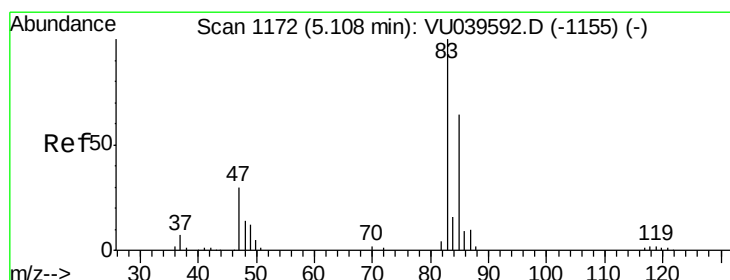
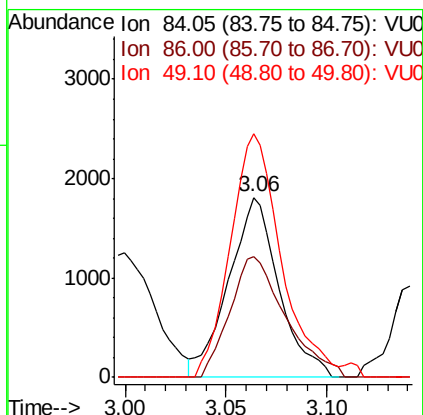
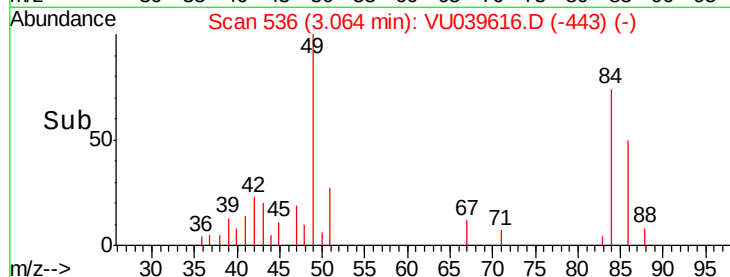
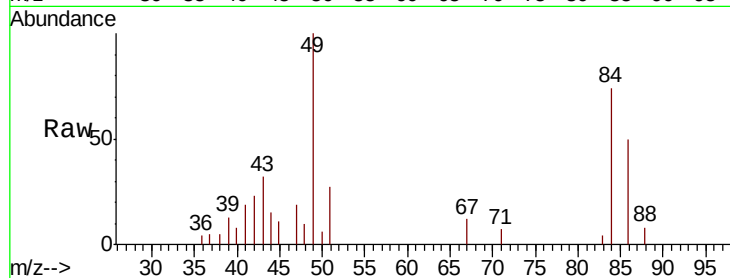
Tot Ion: 84 Resp: 3144

Ion Ratio Lower Upper

84 100

86 67.2 43.8 81.4

49 135.2 92.7 172.3



#25

Chloroform

Concen: 0.513 ug/L

RT: 5.11 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VU039616.D

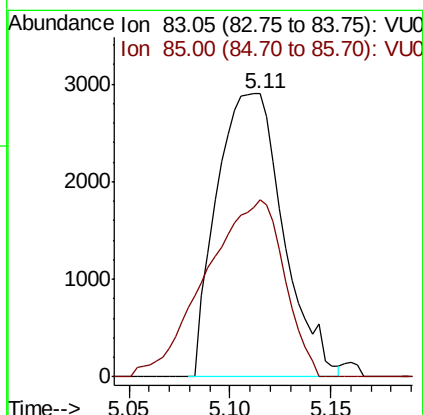
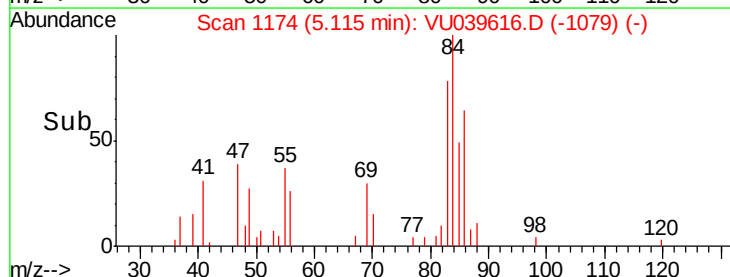
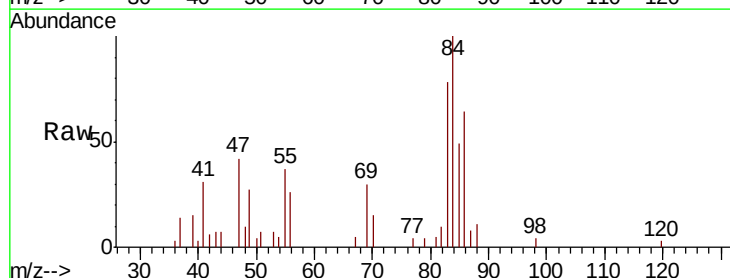
Acq: 21 Jul 2020 22:42

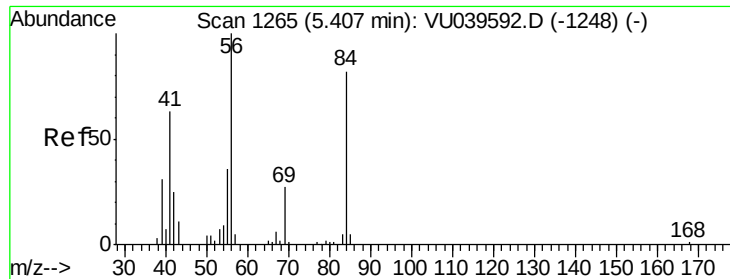
Tgt Ion: 83 Resp: 6658

Ion Ratio Lower Upper

83 100

85 62.4 44.4 82.5

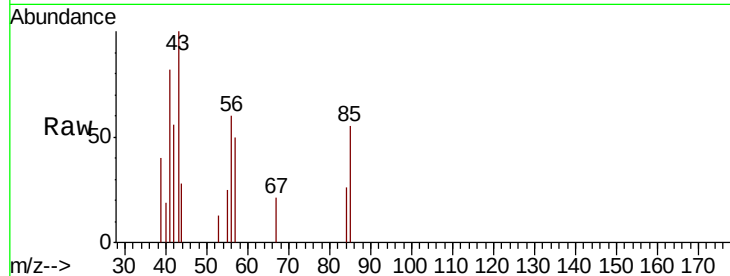




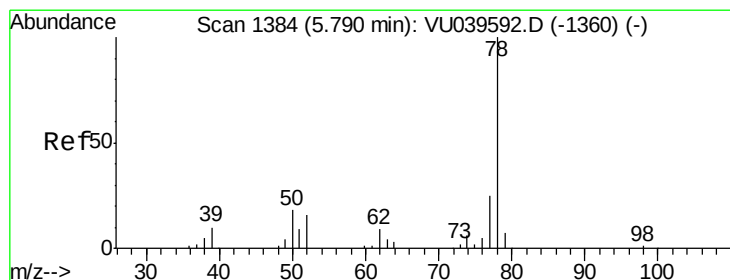
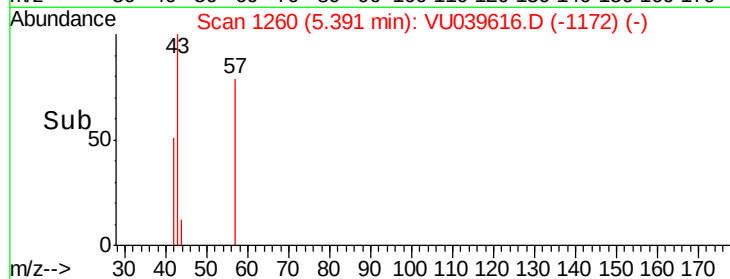
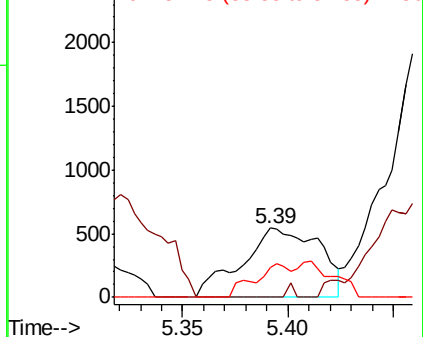
#30
Cyclohexane
Concen: 0.150 ug/L
RT: 5.39 min Scan# 1260
Delta R.T. -0.02 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 1396
Ion Ratio Lower Upper
56 100
69 133.5 24.0 36.0#
84 22.1 69.8 104.6#

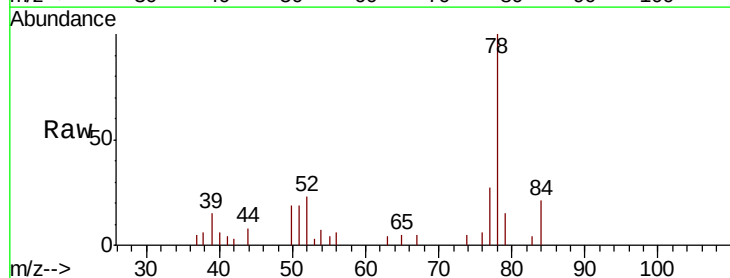


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

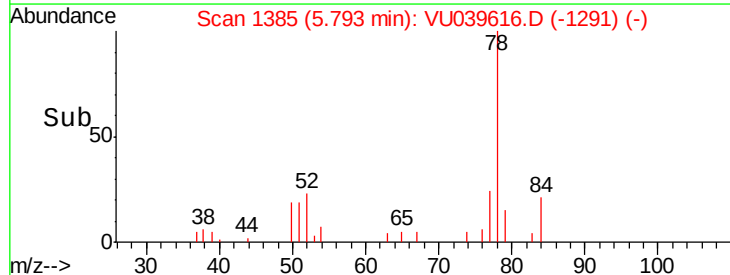
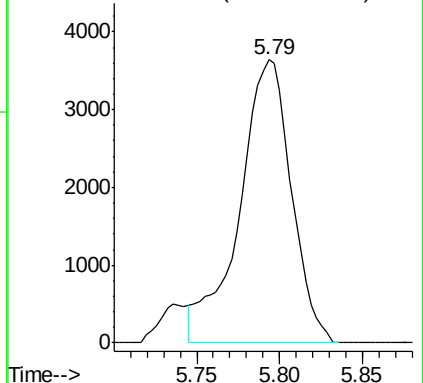


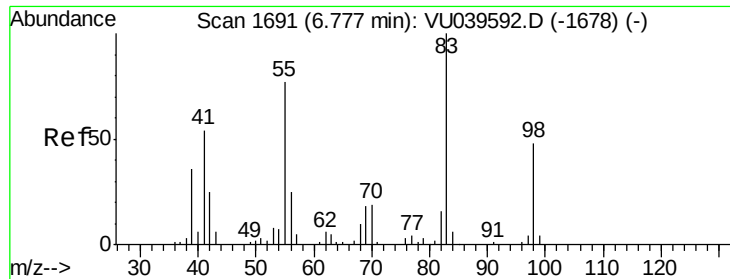
#33
Benzene
Concen: 0.330 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

Tgt Ion: 78 Resp: 7930



Abundance Ion 78.10 (77.80 to 78.80): VU0

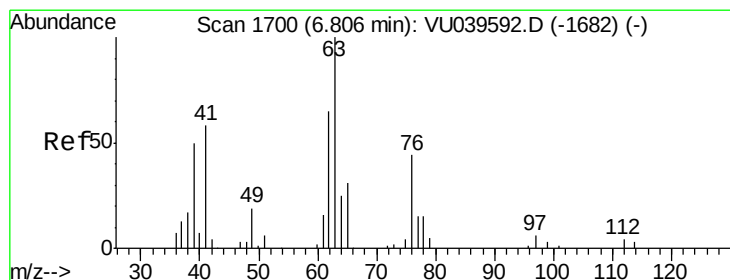
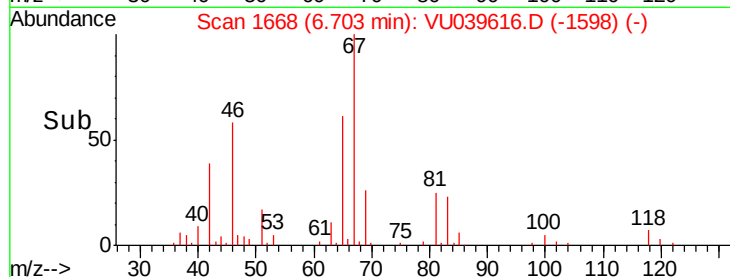
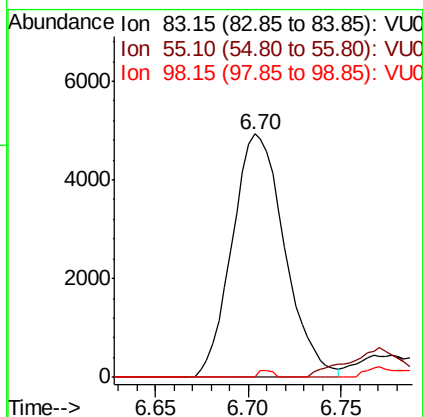
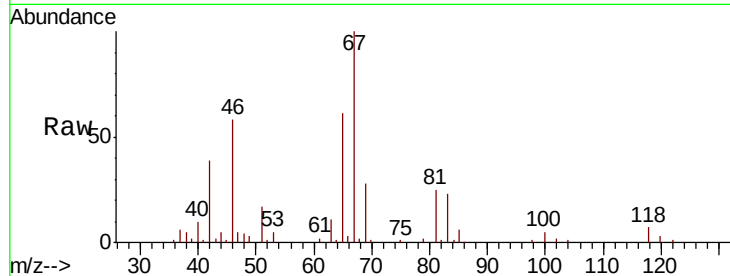




#35
Methylvlcyclohexane
Concen: 0.999 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

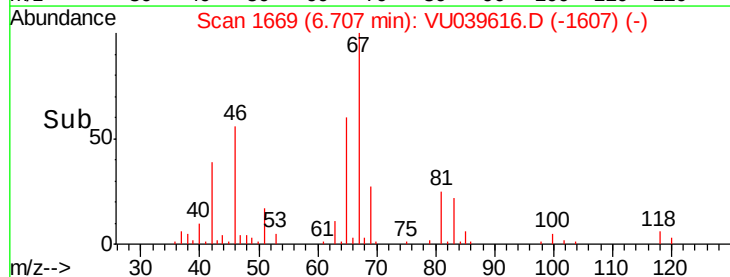
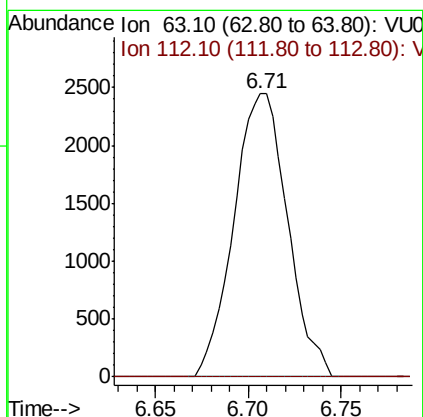
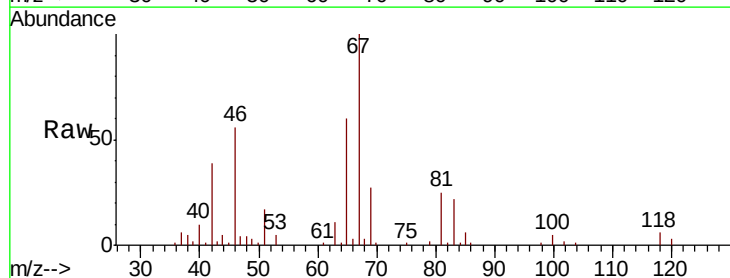
Instrument :
MSVOA_U
ClientSampleId :

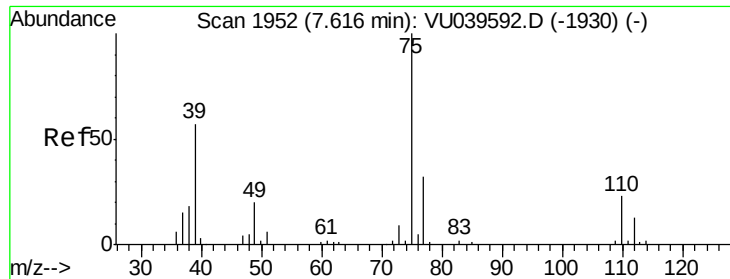
Tot Ion: 83 Resp: 9709
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.6#
98 0.7 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.738 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

Tgt Ion: 63 Resp: 4930
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#

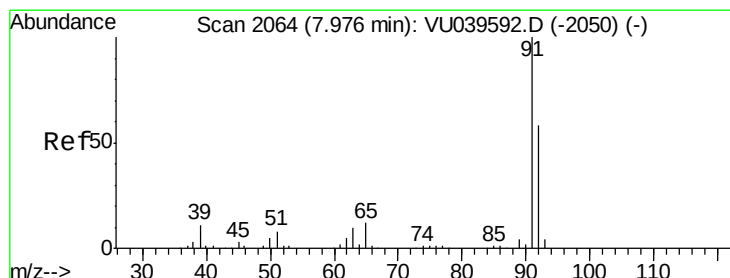
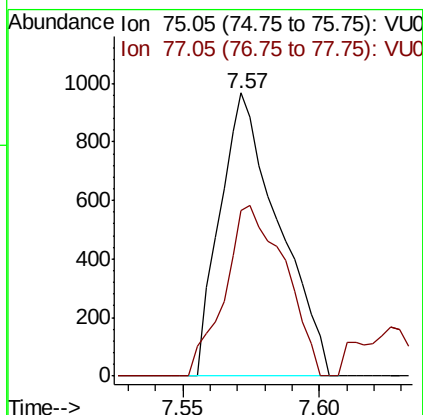
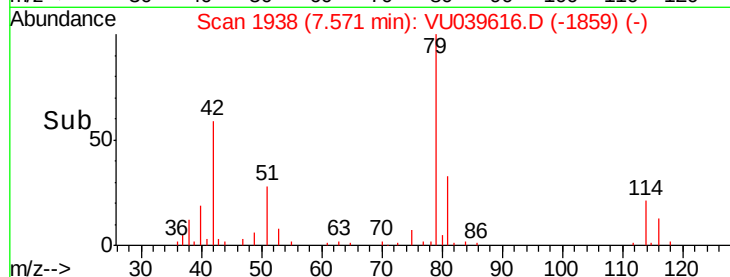
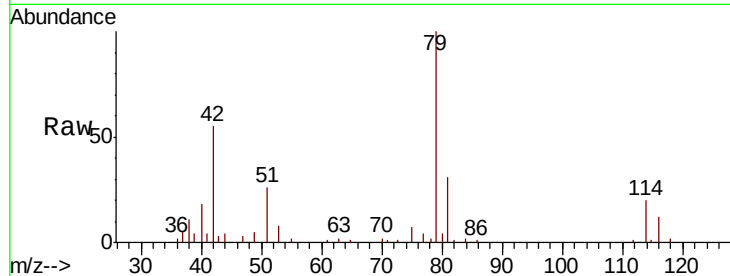




#39
 cis-1,3-Dichloropropene
 Concen: 0.151 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039616.D
 Acq: 21 Jul 2020 22:42

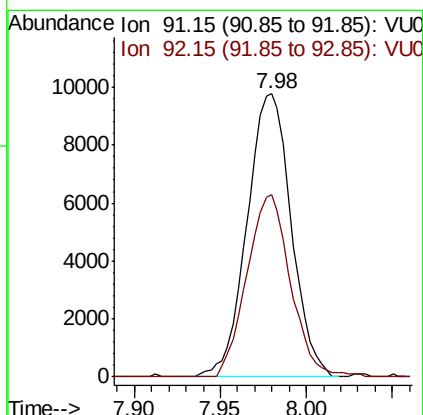
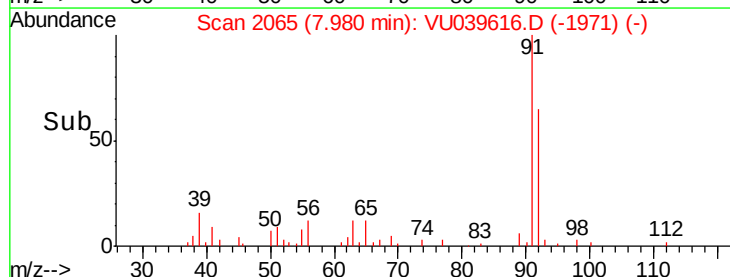
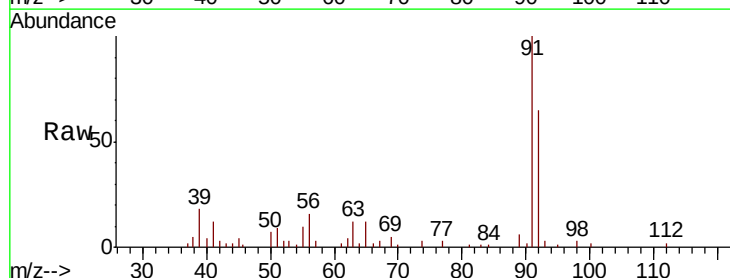
Instrument :
 MSVOA_U
 ClientSampled :

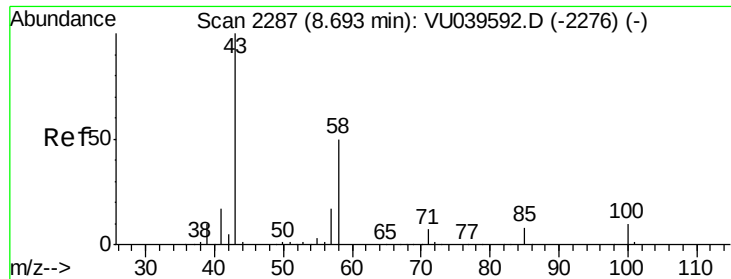
Tot Ion: 75 Resp: 1446
 Ion Ratio Lower Upper
 75 100
 77 58.5 23.2 43.0#



#42
 Toluene
 Concen: 0.661 ug/L
 RT: 7.98 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VU039616.D
 Acq: 21 Jul 2020 22:42

Tgt Ion: 91 Resp: 17368
 Ion Ratio Lower Upper
 91 100
 92 64.6 38.6 71.6

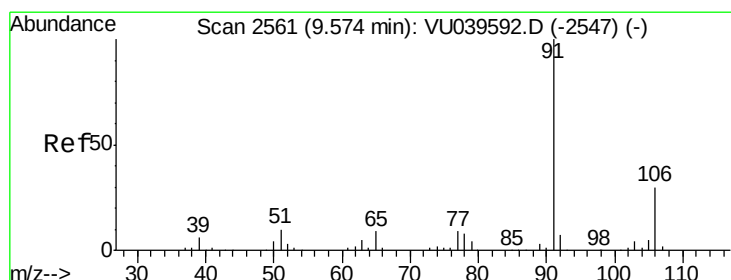
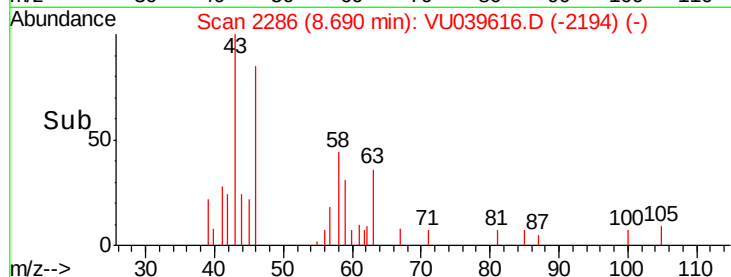
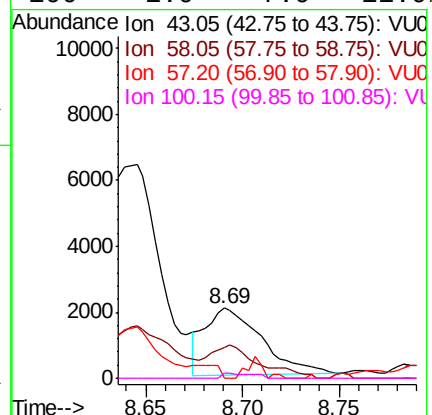
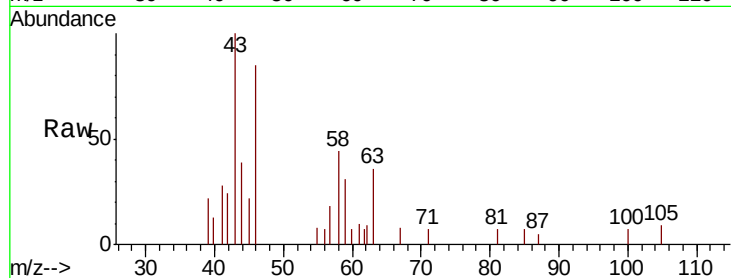




#48
2-Hexanone
Concen: 1.069 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

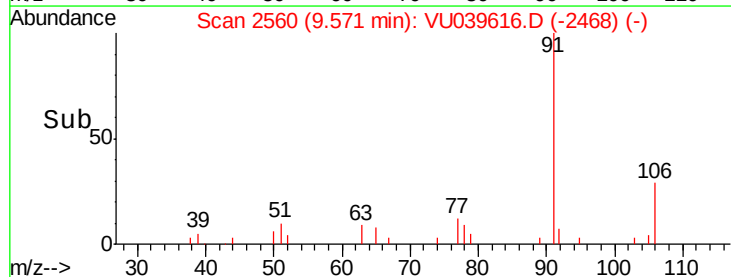
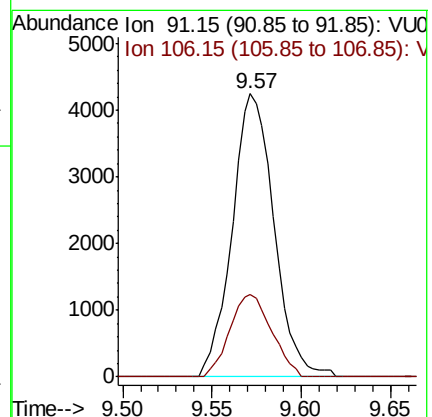
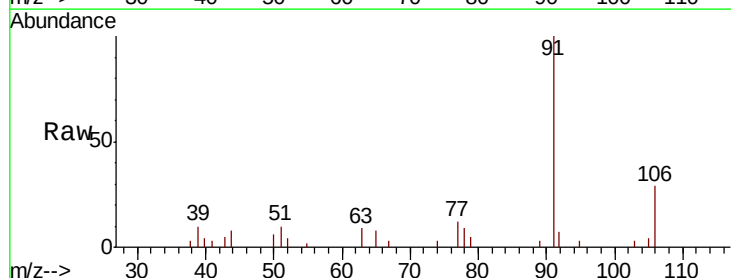
Instrument :
MSVOA_U
ClientSampled :

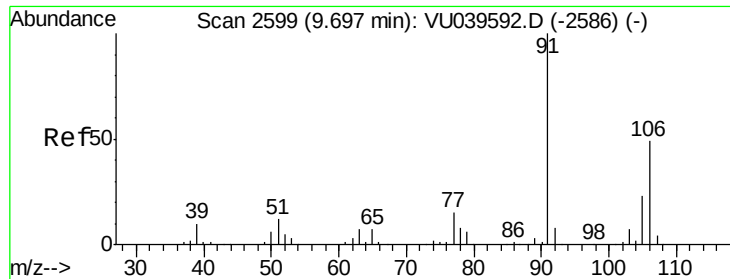
Tot Ion: 43 Resp: 4126
Ion Ratio Lower Upper
43 100
58 43.1 40.9 61.3
57 0.0 14.6 21.8#
100 1.9 7.9 11.9#



#52
Ethylbenzene
Concen: 0.231 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039616.D
Acq: 21 Jul 2020 22:42

Tgt Ion: 91 Resp: 6905
Ion Ratio Lower Upper
91 100
106 29.0 21.3 39.6





#53

m,p-Xylene

Concen: 0.311 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

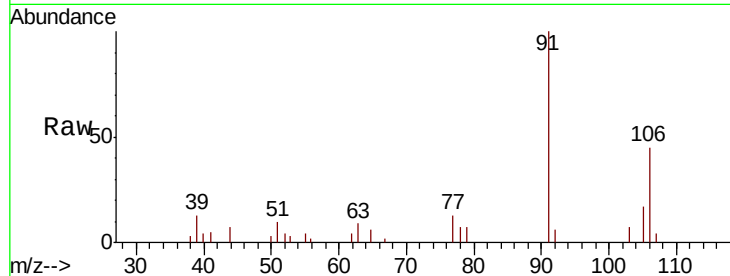
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3465

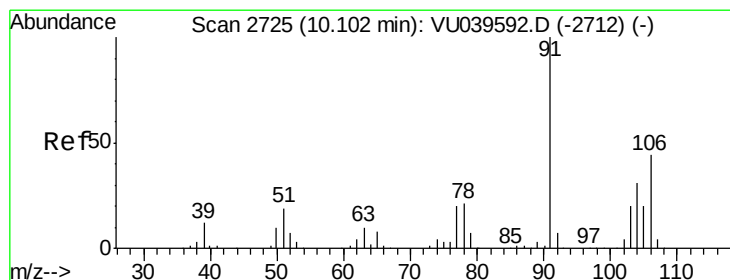
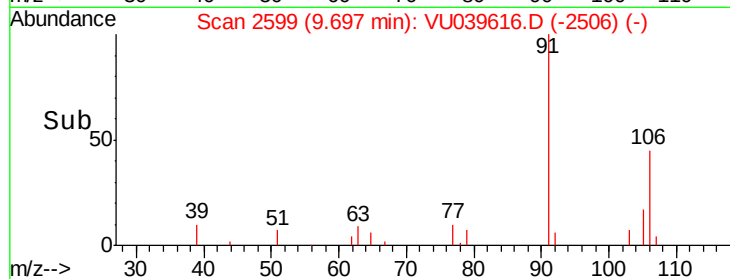
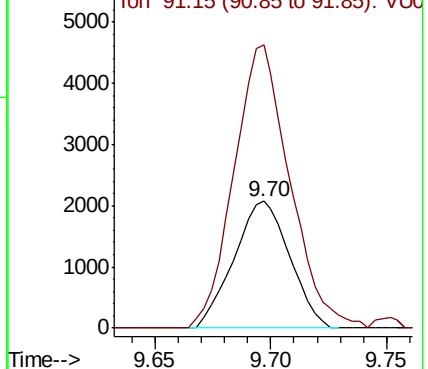
Ion Ratio Lower Upper

106 100

91 222.8 149.3 277.3



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



#54

o-Xylene

Concen: 0.384 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039616.D

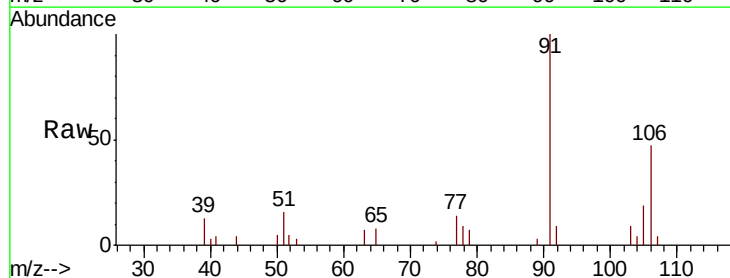
Acq: 21 Jul 2020 22:42

Tgt Ion:106 Resp: 4179

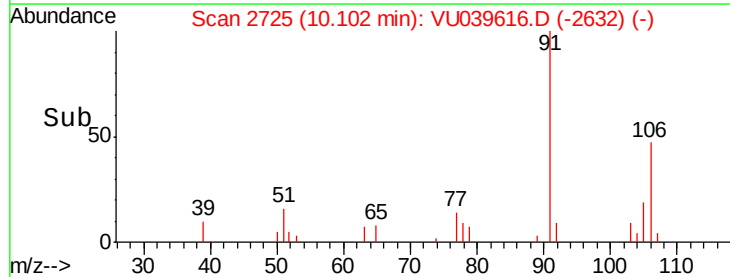
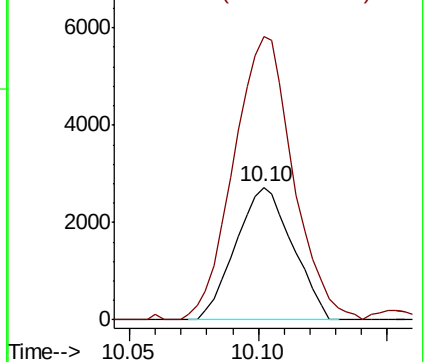
Ion Ratio Lower Upper

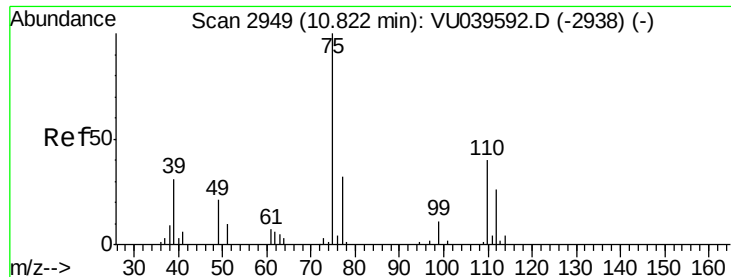
106 100

91 213.4 157.4 292.4



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: 1.553 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039616.D

Acq: 21 Jul 2020 22:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7612

Ion Ratio Lower Upper

75 100

77 39.3 25.5 38.3#

