

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039804.D
 Acq On : 08 Aug 2020 12:08
 Operator : SY/MD
 Sample : L3590-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	96217	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95669	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24407	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	26792	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	36824	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.66	46	99488	43.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	5.09	84	66949	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	43843	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.75	84	115048	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	41941	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.91	98	88612	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	15232	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.64	63	101136	62.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40539	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	42277	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.61	62	3965	0.507 ug/L	88
13) Acetone	2.66	43	13682	10.156 ug/L	97
16) Methylene chloride	3.06	84	10279	1.111 ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	2435	0.381 ug/L	78
21) 2-Butanone	4.74	43	3573	1.683 ug/L	84
22) cis-1,2-Dichloroethene	4.69	96	1060	0.153 ug/L	80
33) Benzene	5.79	78	2697	0.103 ug/L	100
34) Trichloroethene	6.56	95	763	0.113 ug/L	86
35) Methylcyclohexane	6.70	83	10700	0.990 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5052	0.730 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	1157	0.123 ug/L #	65
42) Toluene	7.98	91	3625	0.132 ug/L	91
48) 2-Hexanone	8.64	43	12991	3.477 ug/L #	72
52) Ethylbenzene	9.57	91	9116	0.297 ug/L	95
53) m,p-Xylene	9.70	106	9493	0.813 ug/L	93
54) o-Xylene	10.10	106	2592	0.227 ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	6028	1.207 ug/L #	80

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 10 01:16:49 2020
Response via : Initial Calibration

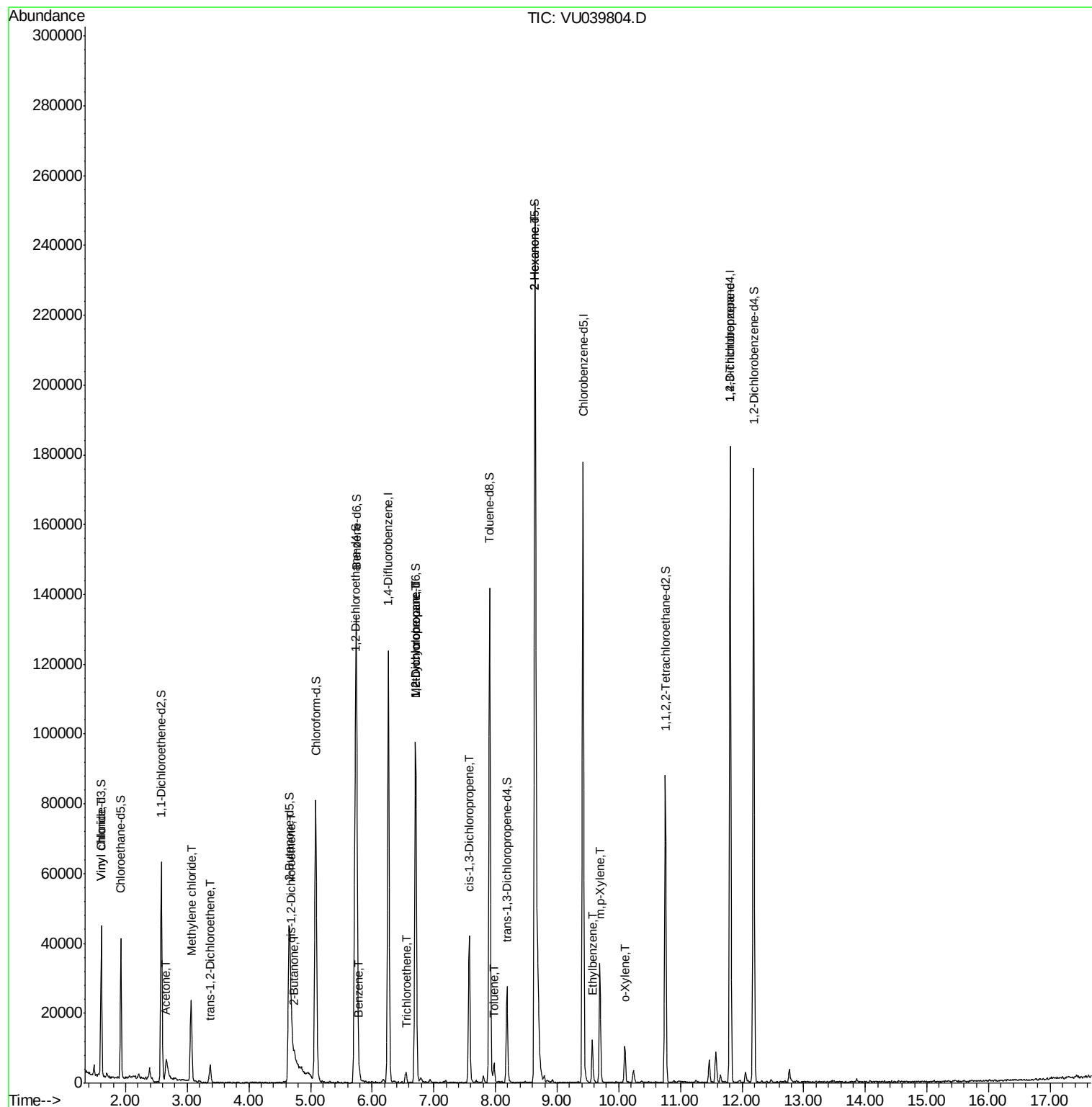
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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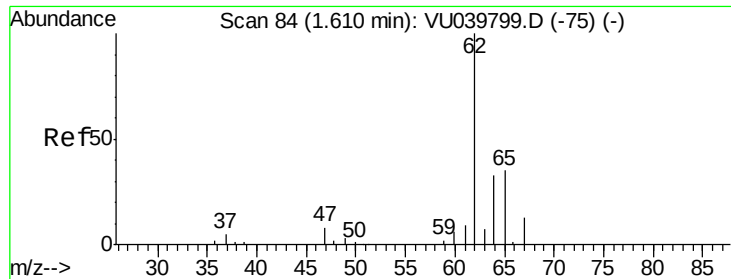
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU039804.D
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#5

Vinyl chloride

Concen: 0.507 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Instrument :

MSVOA_U

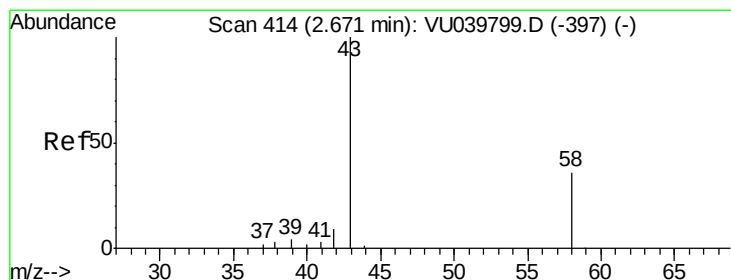
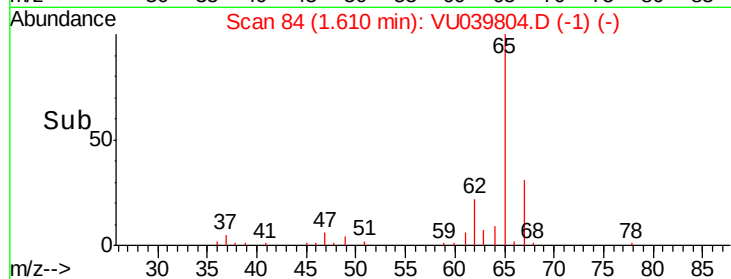
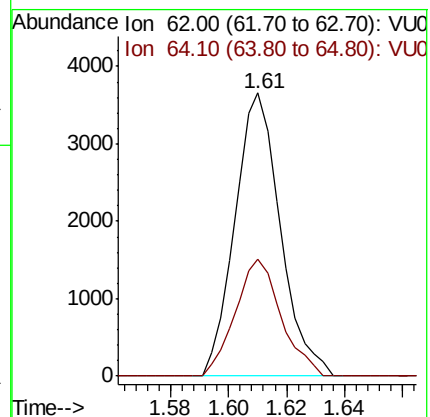
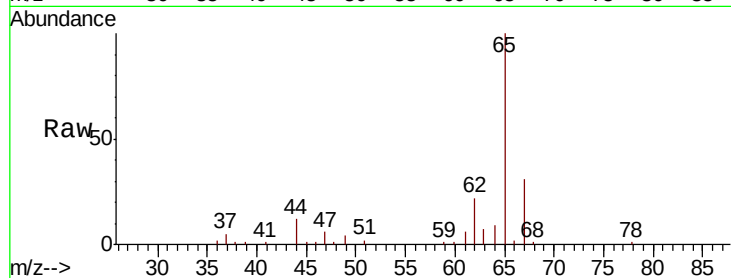
ClientSampled :

Tot Ion: 62 Resp: 3965

Ion Ratio Lower Upper

62 100

64 41.1 24.1 44.7



#13

Acetone

Concen: 10.156 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039804.D

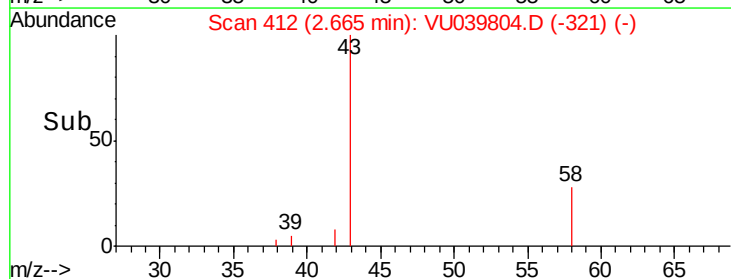
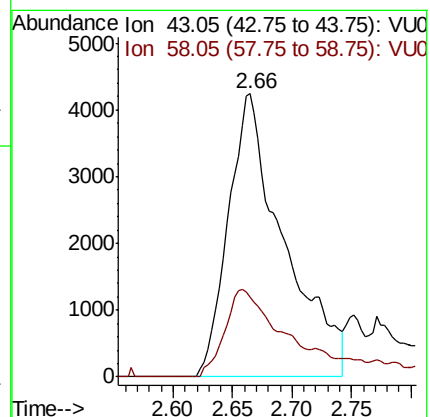
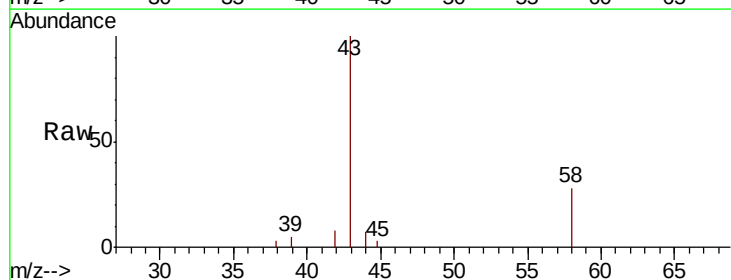
Acq: 08 Aug 2020 12:08

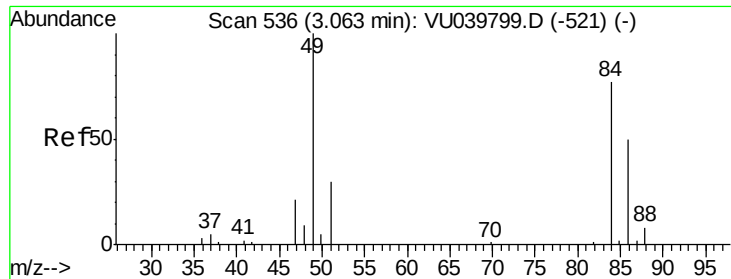
Tgt Ion: 43 Resp: 13682

Ion Ratio Lower Upper

43 100

58 29.2 0.0 61.8

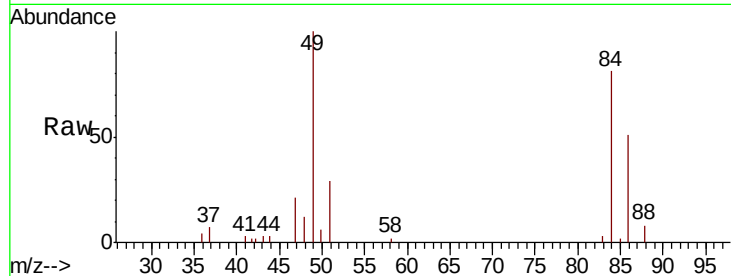




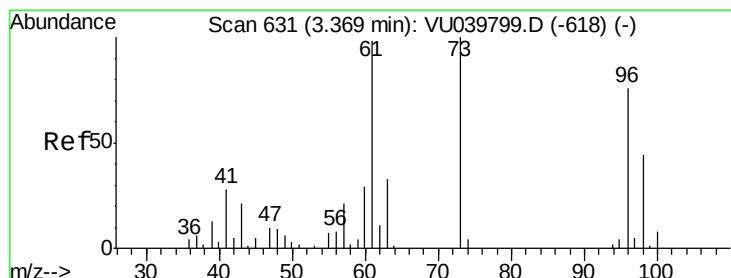
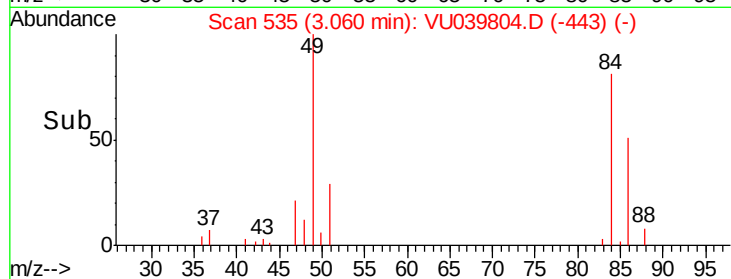
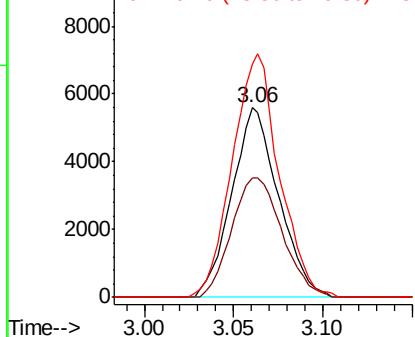
#16
Methylene chloride
Concen: 1.111 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 10279
Ion Ratio Lower Upper
84 100
86 63.3 43.9 81.5
49 130.6 94.4 175.4

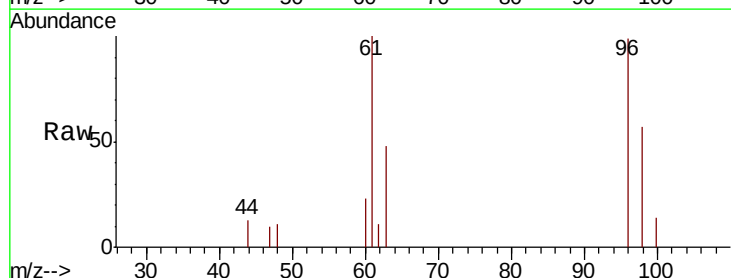


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

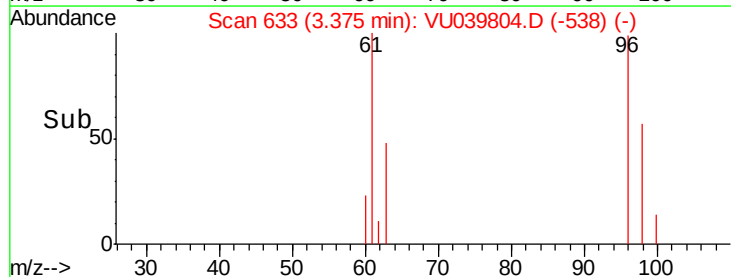
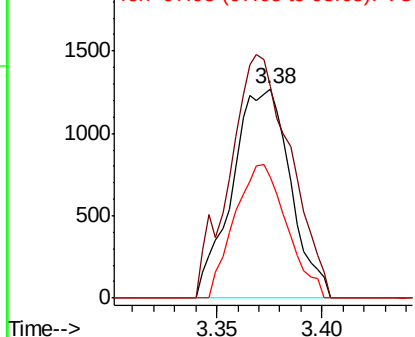


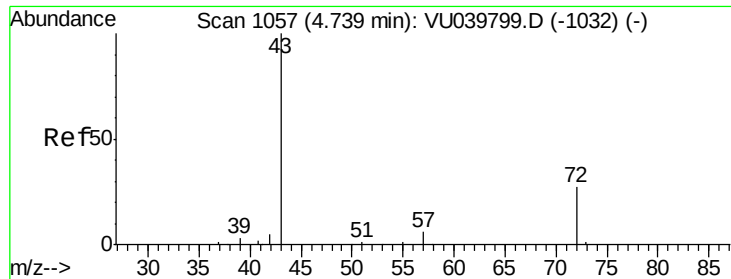
#18
trans-1,2-Dichloroethene
Concen: 0.381 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

Tgt Ion: 96 Resp: 2435
Ion Ratio Lower Upper
96 100
61 100.9 96.5 179.1
98 57.5 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#21

2-Butanone

Concen: 1.683 ug/L

RT: 4.74 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

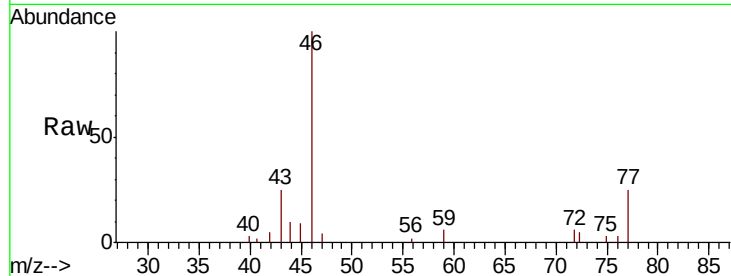
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 3573

Ion Ratio Lower Upper

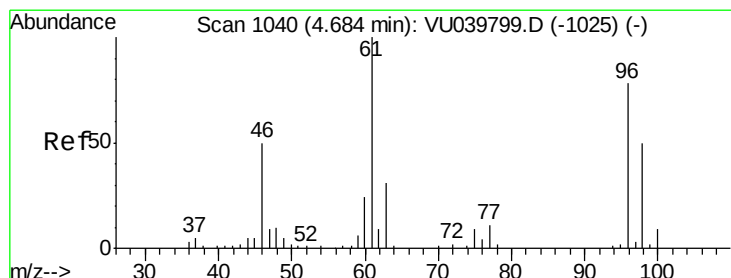
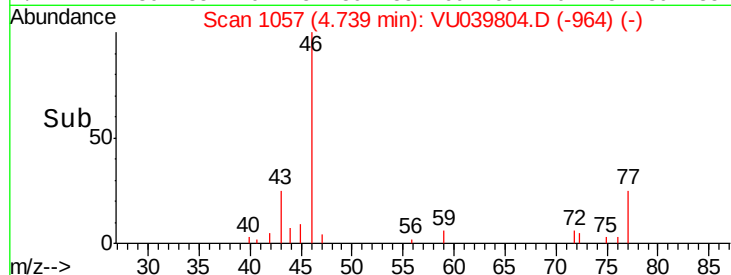
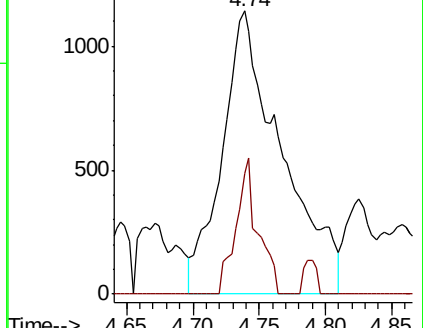
43 100

72 17.8 13.0 39.0



Abundance Ion 43.05 (42.75 to 43.75): VU039804.D (-964) (-)

Ion 72.10 (71.80 to 72.80): VU039804.D (-964) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.153 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

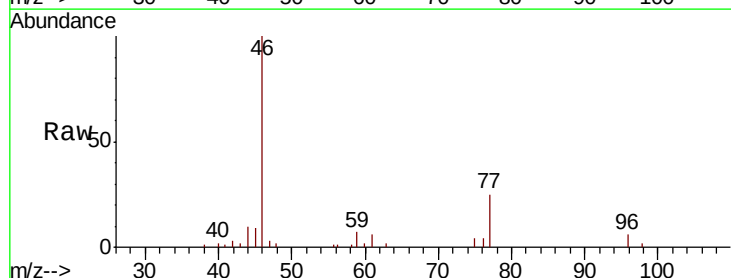
Tgt Ion: 96 Resp: 1060

Ion Ratio Lower Upper

96 100

61 102.3 87.4 162.2

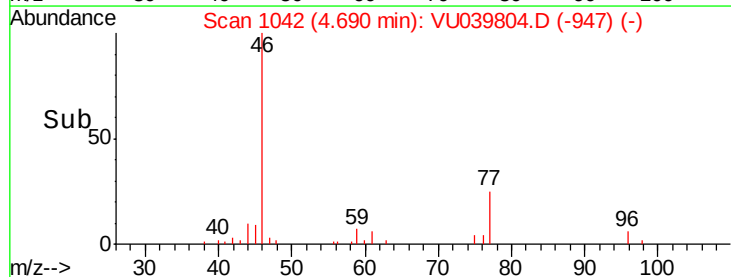
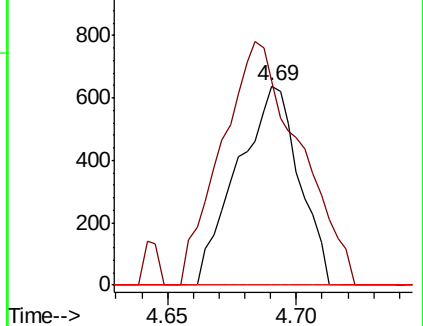
68 0.0 0.0 0.0

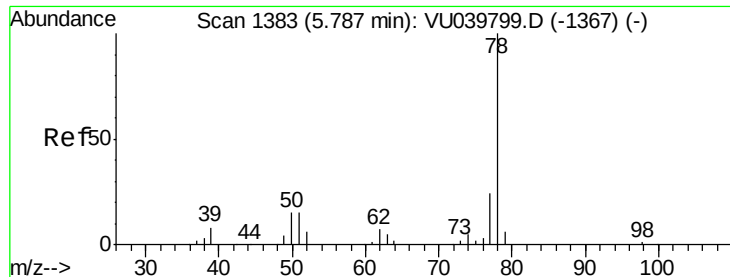


Abundance Ion 96.00 (95.70 to 96.70): VU039804.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU039804.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU039804.D (-947) (-)





#33

Benzene

Concen: 0.103 ug/L

RT: 5.79 min Scan# 1385

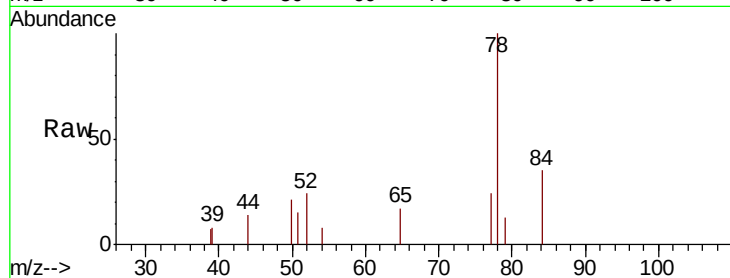
Delta R.T. 0.01 min

Lab File: VU039804.D

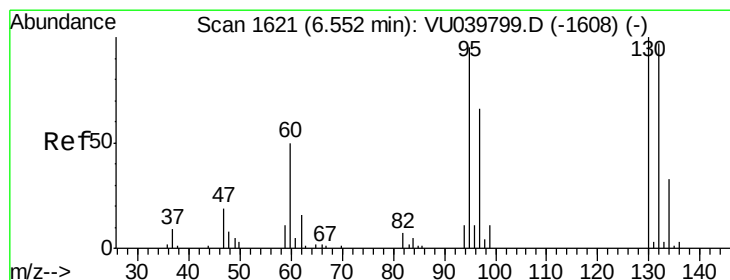
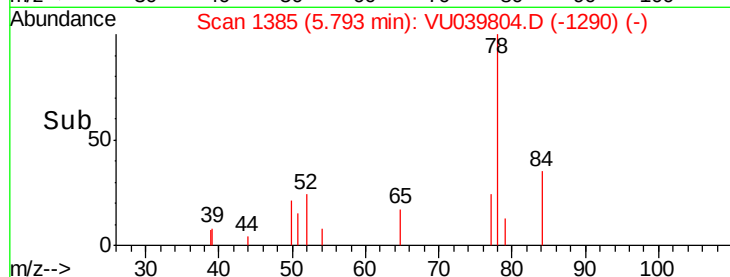
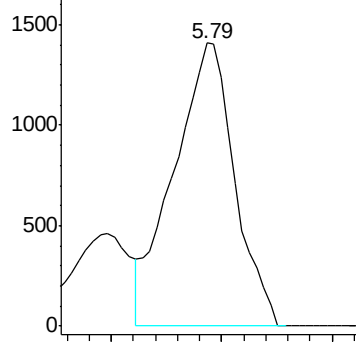
Acq: 08 Aug 2020 12:08

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 2697



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.113 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Tgt Ion: 95 Resp: 763

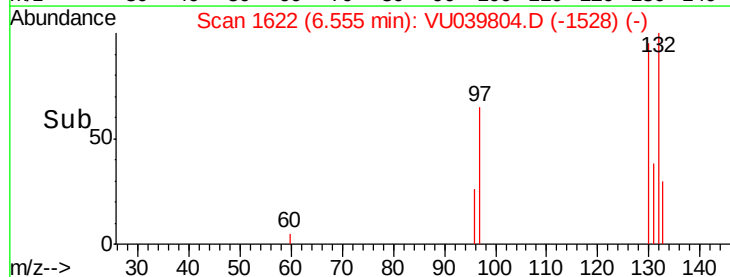
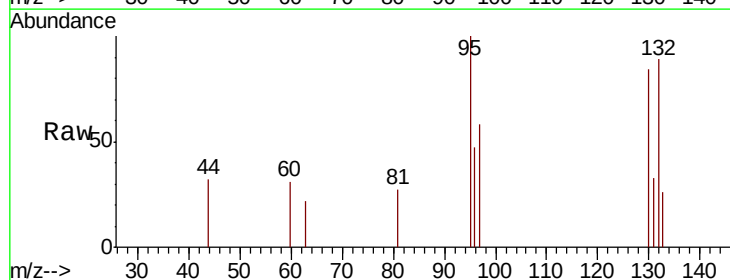
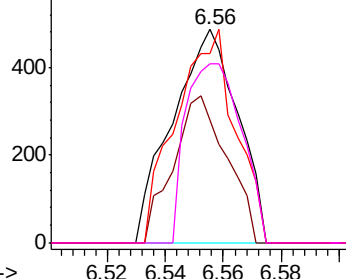
Ion	Ratio	Lower	Upper
95	100		
97	57.7	44.0	81.8
132	88.5	71.7	133.3
130	84.0	71.1	132.1

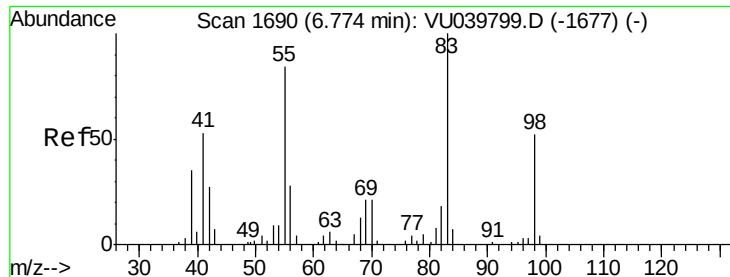
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

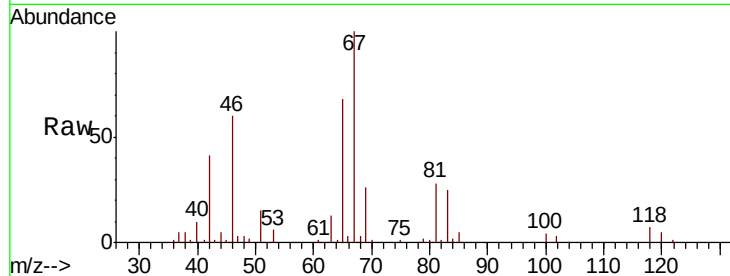




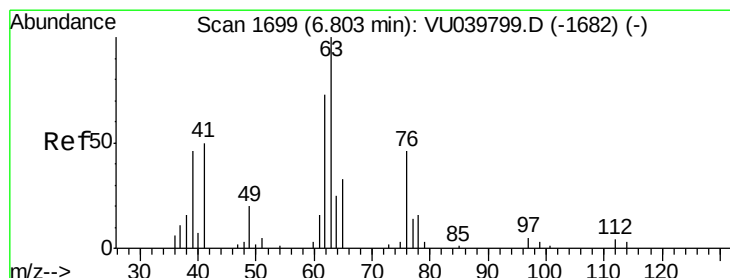
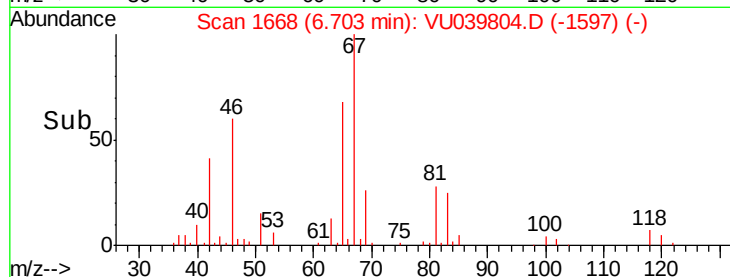
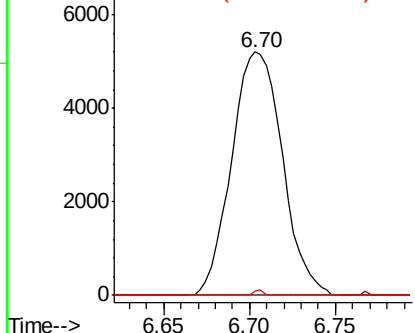
#35
Methylcyclohexane
Concen: 0.990 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 10700
Ion Ratio Lower Upper
83 100
55 0.2 59.4 89.0#
98 0.4 39.0 58.4#

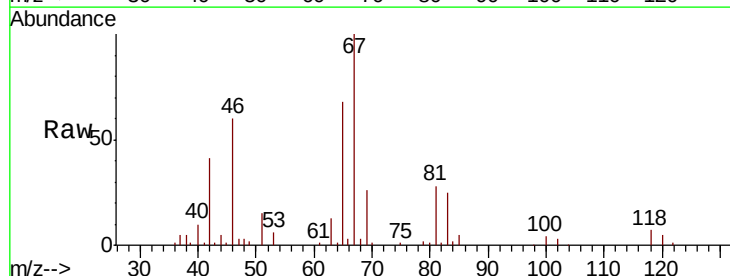


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

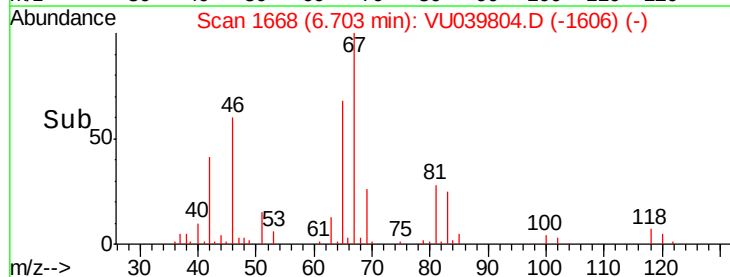
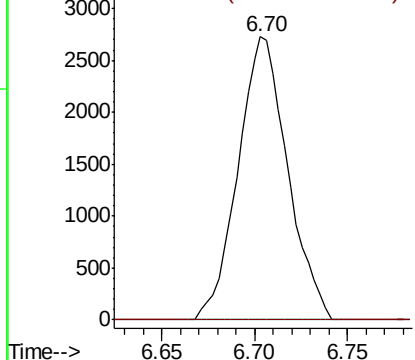


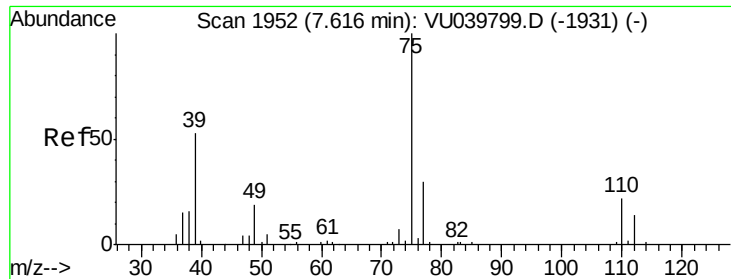
#37
1,2-Dichloropropane
Concen: 0.730 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

Tgt Ion: 63 Resp: 5052
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

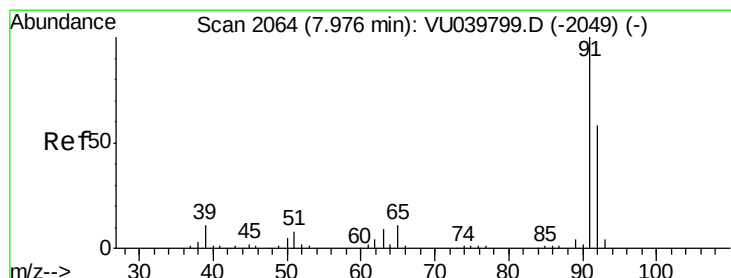
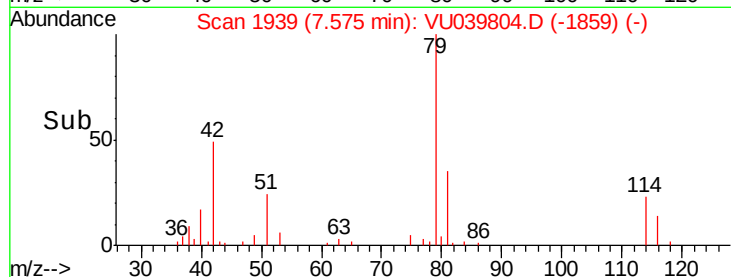
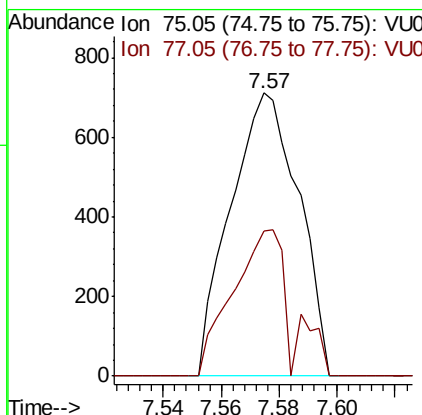
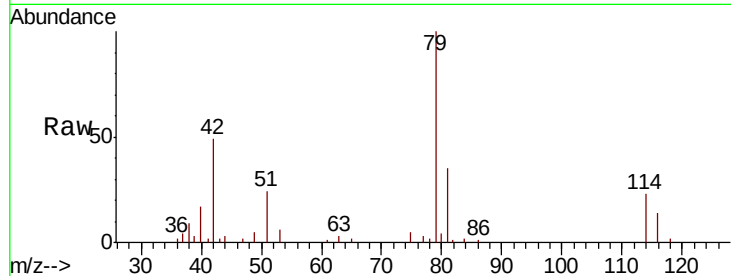




#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039804.D
 Acq: 08 Aug 2020 12:08

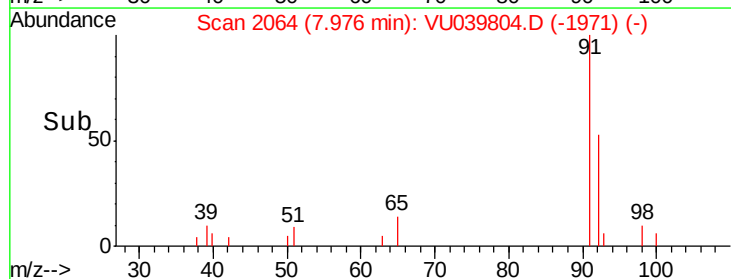
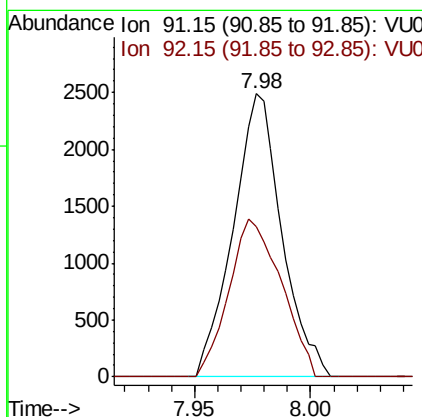
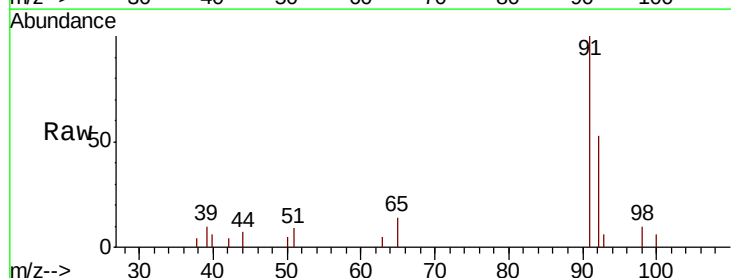
Instrument :
 MSVOA_U
 ClientSampled :

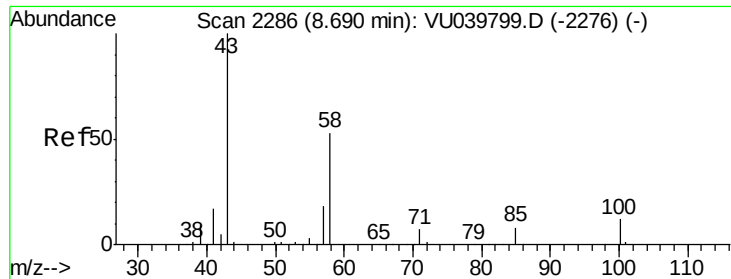
Tot Ion: 75 Resp: 1157
 Ion Ratio Lower Upper
 75 100
 77 51.3 22.4 41.6#



#42
 Toluene
 Concen: 0.132 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU039804.D
 Acq: 08 Aug 2020 12:08

Tgt Ion: 91 Resp: 3625
 Ion Ratio Lower Upper
 91 100
 92 53.0 41.6 77.3

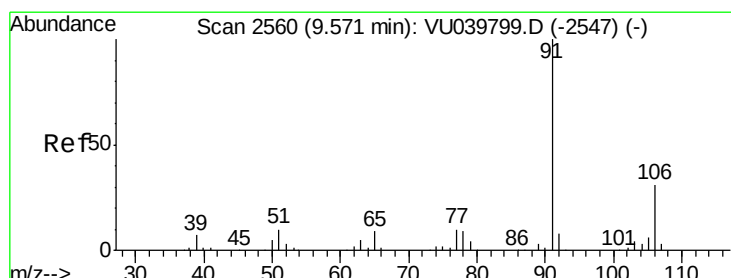
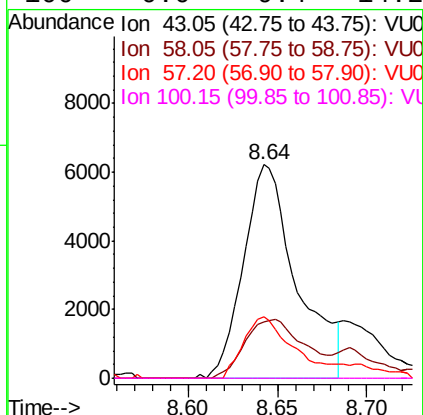
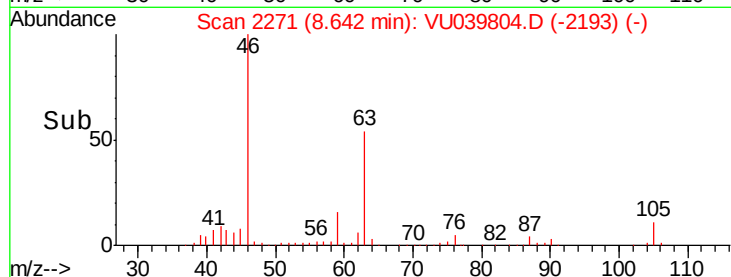
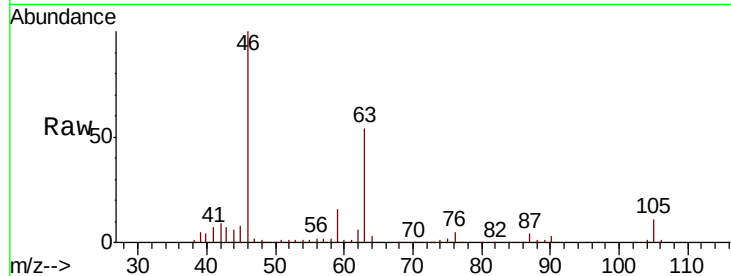




#48
2-Hexanone
Concen: 3.477 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

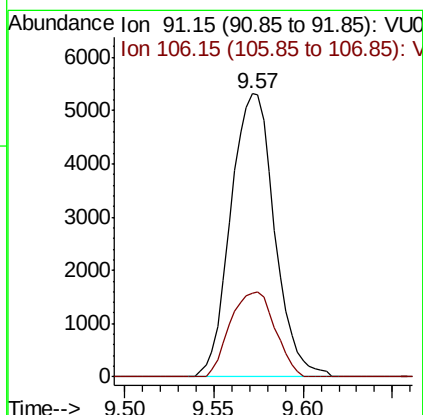
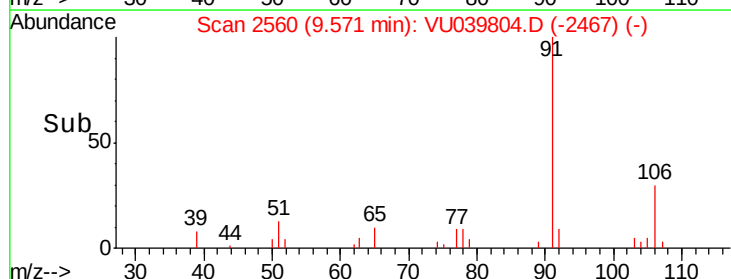
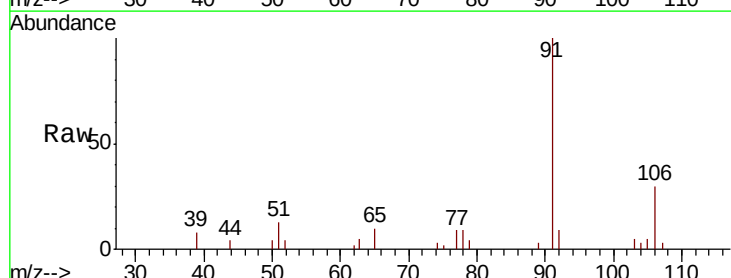
Instrument :
MSVOA_U
ClientSampleId :

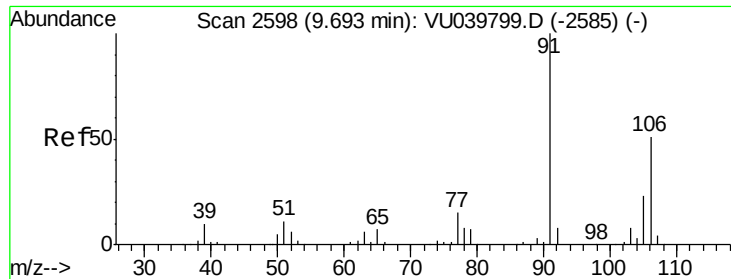
Tot Ion: 43 Resp: 12991
Ion Ratio Lower Upper
43 100
58 31.7 41.8 62.8#
57 26.8 14.2 21.4#
100 0.0 9.4 14.2#



#52
Ethylbenzene
Concen: 0.297 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU039804.D
Acq: 08 Aug 2020 12:08

Tgt Ion: 91 Resp: 9116
Ion Ratio Lower Upper
91 100
106 29.7 22.8 42.4





#53

m,p-Xylene

Concen: 0.813 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

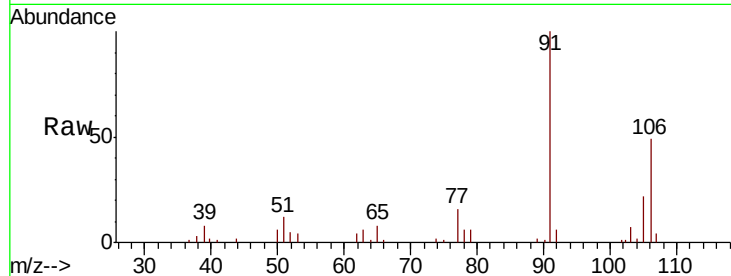
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 9493

Ion Ratio Lower Upper

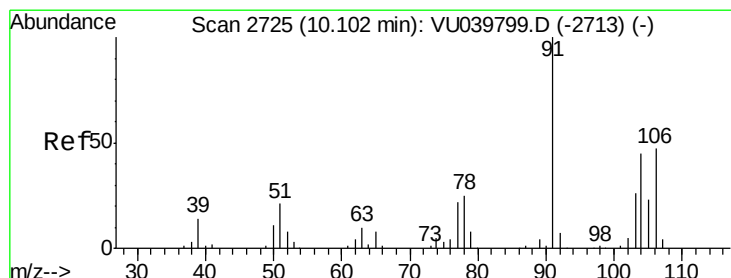
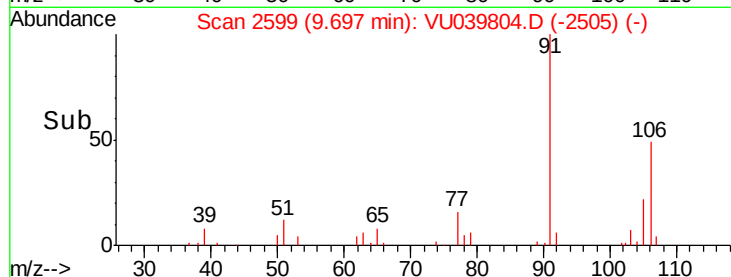
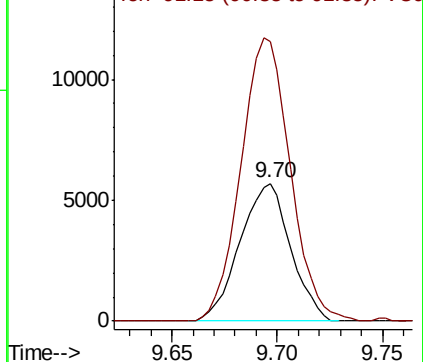
106 100

91 203.6 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.227 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039804.D

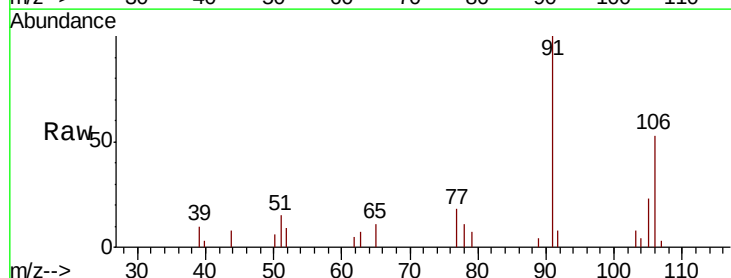
Acq: 08 Aug 2020 12:08

Tgt Ion:106 Resp: 2592

Ion Ratio Lower Upper

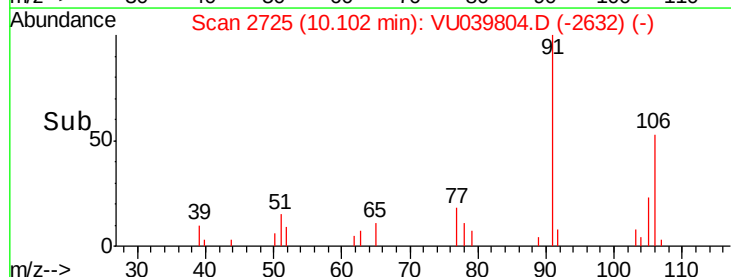
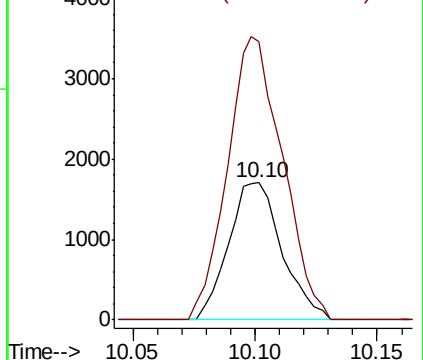
106 100

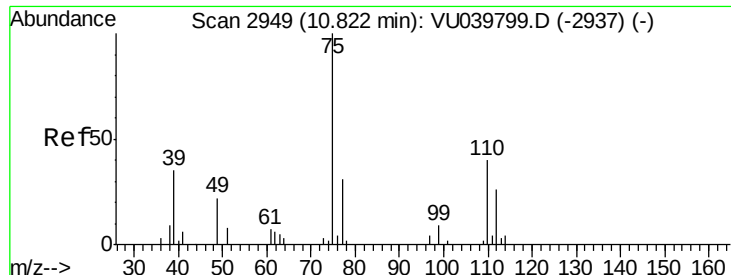
91 202.9 140.8 261.6



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: 1.207 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6028

Ion Ratio Lower Upper

75 100

77 41.6 24.6 37.0#

