

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037675.D
 Acq On : 10 Apr 2020 16:04
 Operator : JC/MD
 Sample : L2176-07ME
 Misc : 6.14/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:31:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 23:26:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	556543	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	551575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	281631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	174123	35.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.58%
7) Chloroethane-d5	1.89	69	123047	31.29	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	62.58%#
11) 1,1-Dichloroethene-d2	2.62	63	385	0.05	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.10%#
21) 2-Butanone-d5	4.67	46	340776	86.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.45%
24) Chloroform-d	5.10	84	312667	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
26) 1,2-Dichloroethane-d4	5.73	65	239962	48.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.62%
32) Benzene-d6	5.75	84	708184	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
36) 1,2-Dichloropropane-d6	6.72	67	243660	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.22%
41) Toluene-d8	7.92	98	650936	43.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.52%
43) trans-1,3-Dichloropropene-	8.20	79	130525	44.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.40%
47) 2-Hexanone-d5	8.67	63	325093	105.12	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	377737	49.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.02%
64) 1,2-Dichlorobenzene-d4	12.21	152	259927	44.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.70%

Target Compounds

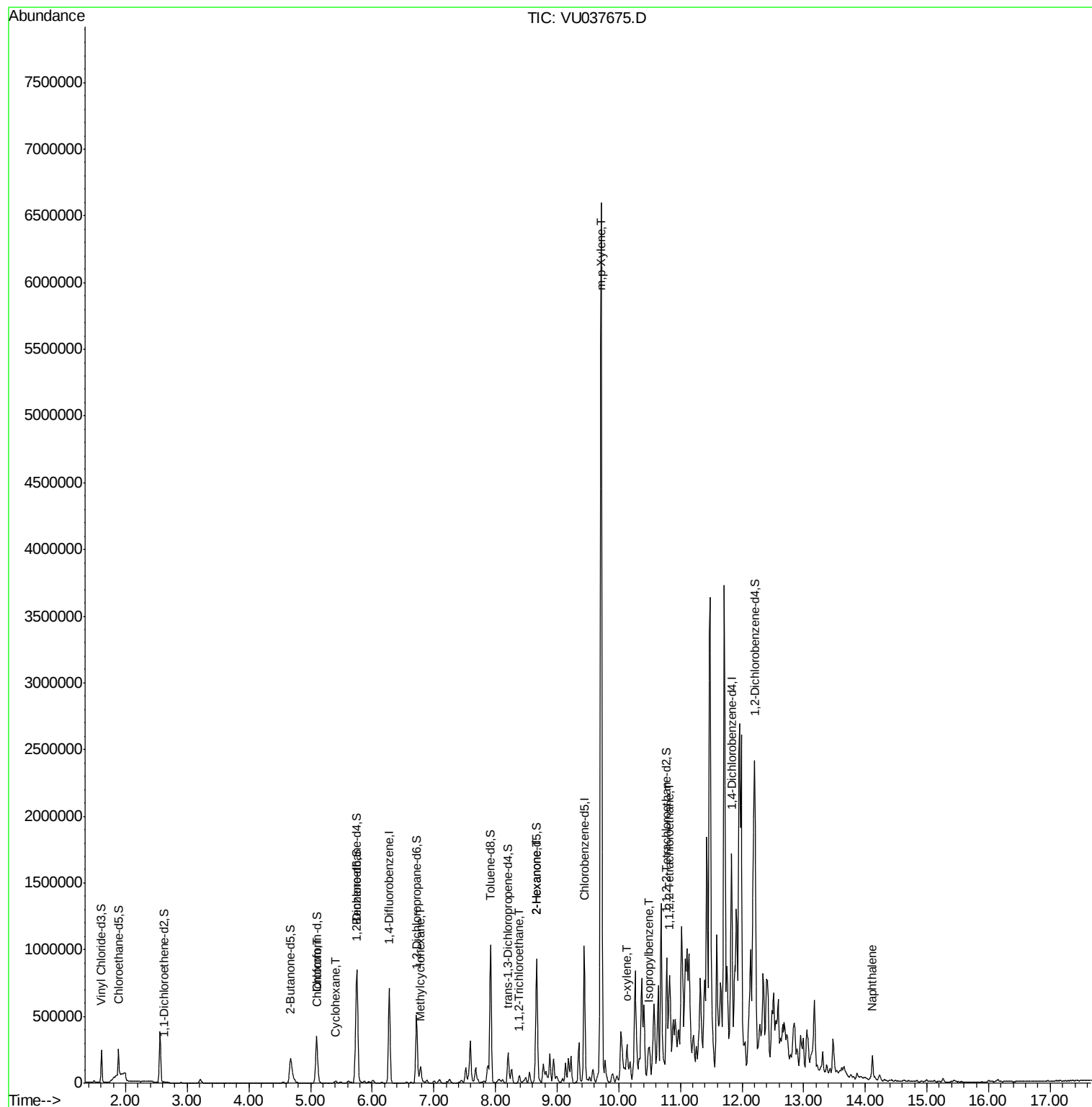
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.12	83	25703	3.651	ug/L	93
29) Cyclohexane	5.41	56	6261	0.825	ug/L	92
35) Methylcyclohexane	6.78	83	50125	6.837	ug/L	87
45) 1,1,2-Trichloroethane	8.39	97	19523	4.744	ug/L #	19
48) 2-Hexanone	8.66	43	102502	15.847	ug/L #	40
53) m,p-Xylene	9.71	106	1829170	240.966	ug/L	97
54) o-xylene	10.12	106	8055	1.070	ug/L	87
56) Isopropylbenzene	10.50	105	114678	5.850	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	10.83	83	55860	7.602	ug/L #	61
69) Naphthalene	14.11	128	137723	5.838	ug/L	99

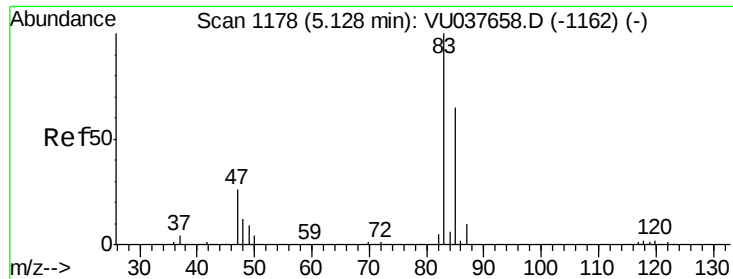
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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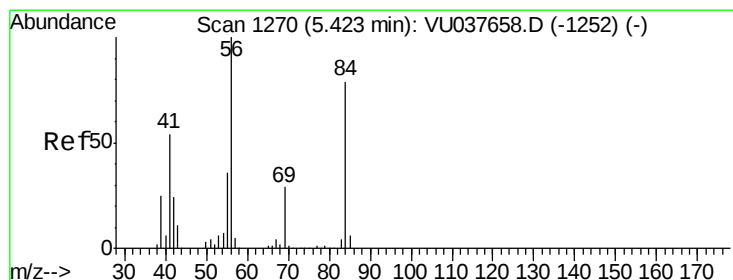
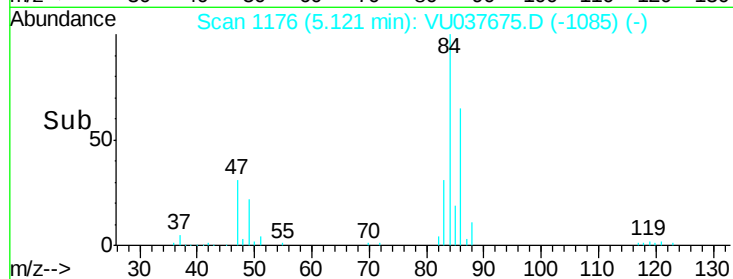
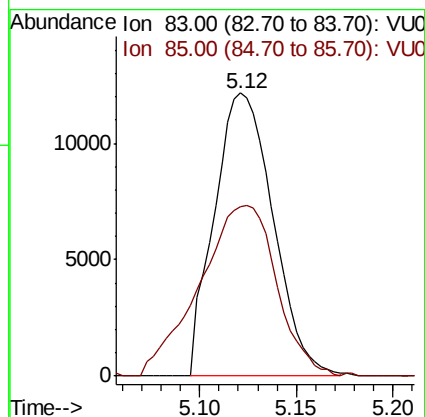
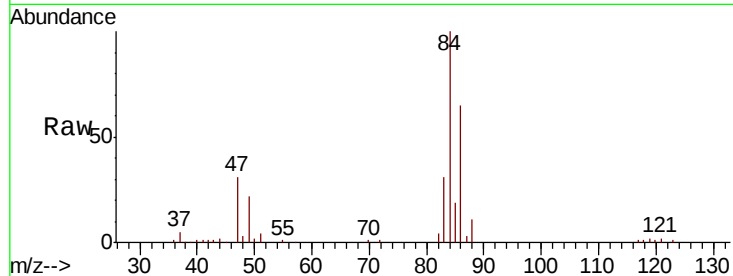




#25
Chloroform
Concen: 3.651 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

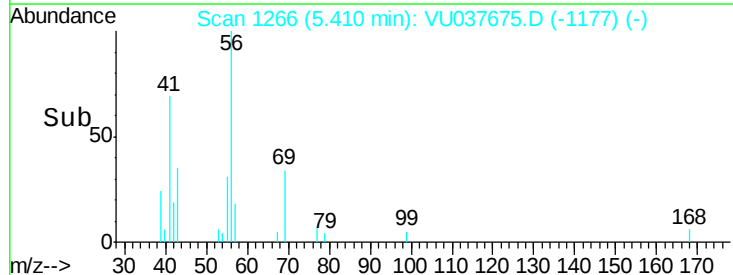
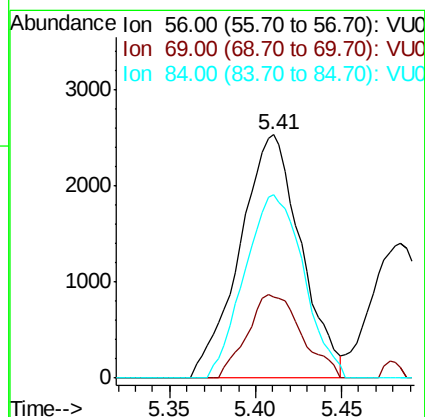
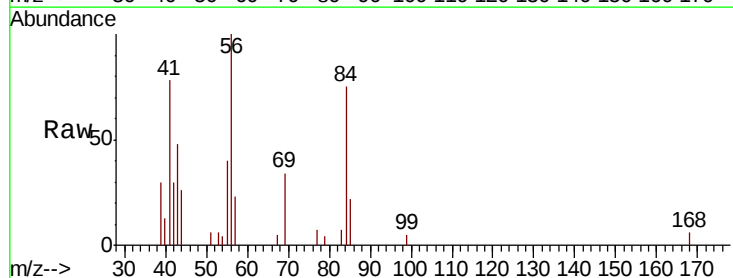
Instrument :
MSVOA_U
ClientSampleId :

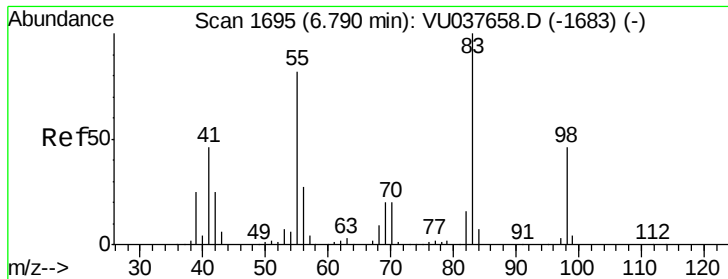
Tot Ion: 83 Resp: 25703
Ion Ratio Lower Upper
83 100
85 59.7 45.5 84.5



#29
Cyclohexane
Concen: 0.825 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

Tgt Ion: 56 Resp: 6261
Ion Ratio Lower Upper
56 100
69 30.6 24.0 36.0
84 72.9 66.3 99.5

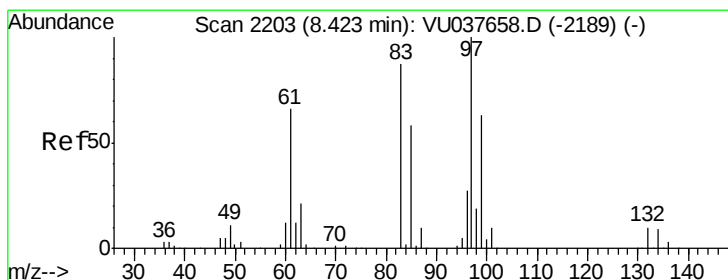
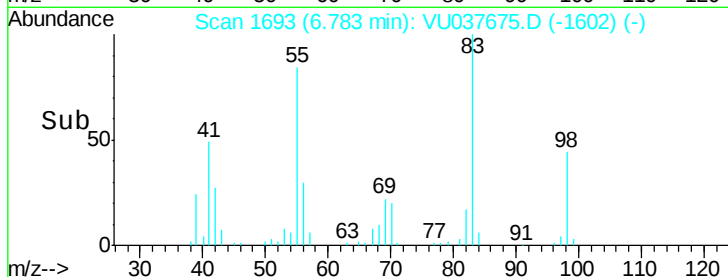
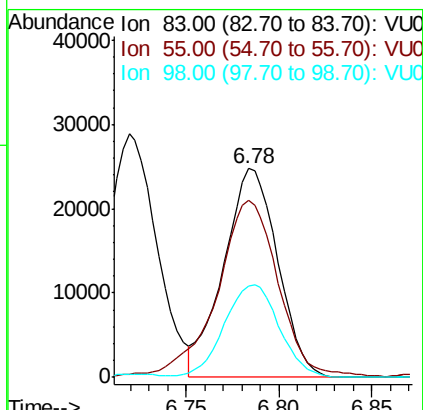
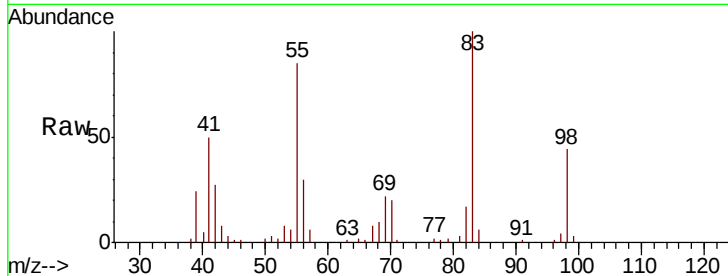




#35
Methvlcvclohexane
Concen: 6.837 ug/L
RT: 6.78 min Scan# 1693
Delta R.T. -0.01 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

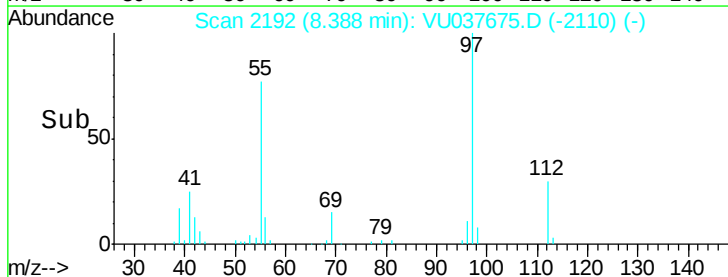
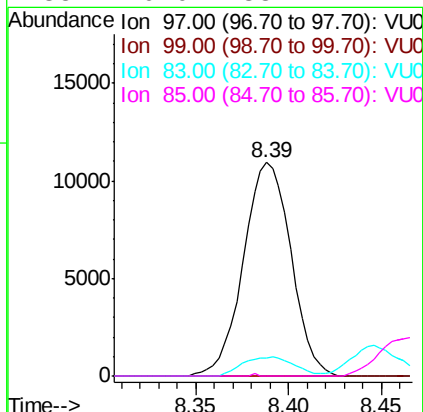
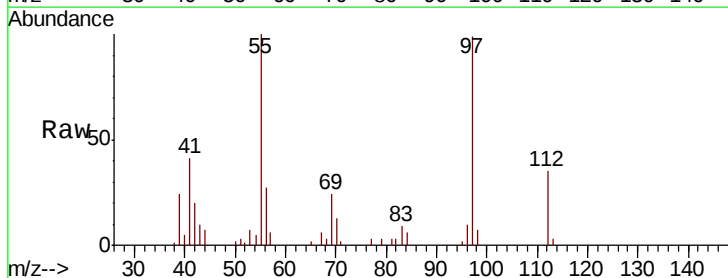
Instrument :
MSVOA_U
ClientSampleId :

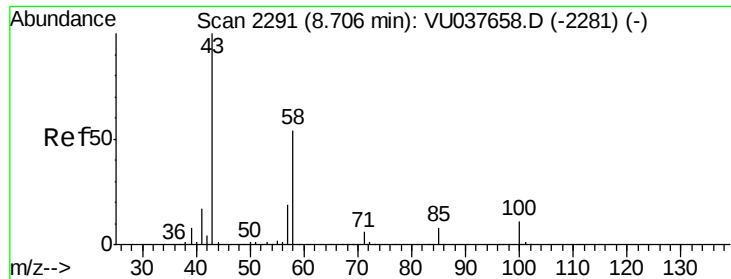
Tot Ion: 83 Resp: 50125
Ion Ratio Lower Upper
83 100
55 96.7 64.6 96.8
98 45.4 38.0 57.0



#45
1,1,2-Trichloroethane
Concen: 4.744 ug/L
RT: 8.39 min Scan# 2192
Delta R.T. -0.04 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

Tgt Ion: 97 Resp: 19523
Ion Ratio Lower Upper
97 100
99 0.0 43.6 81.0#
83 8.7 61.2 113.8#
85 0.0 38.4 71.4#

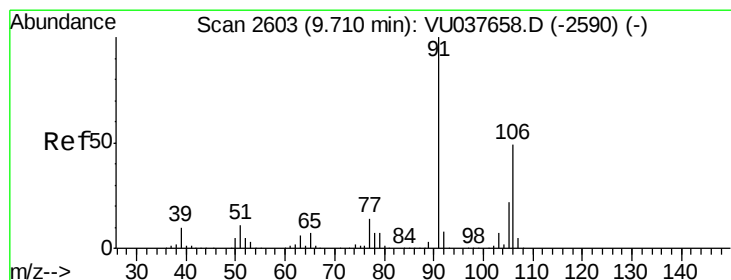
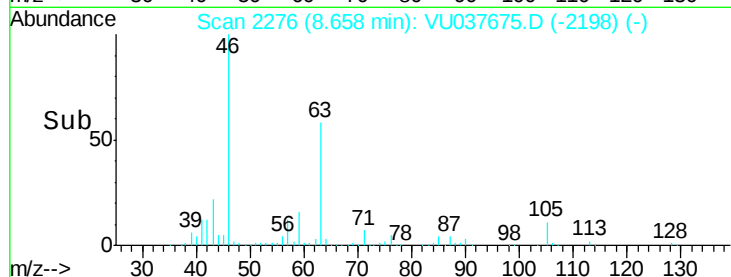
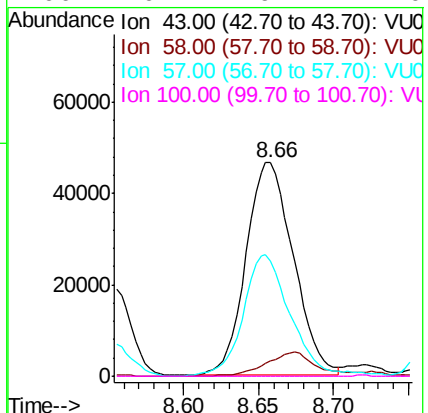
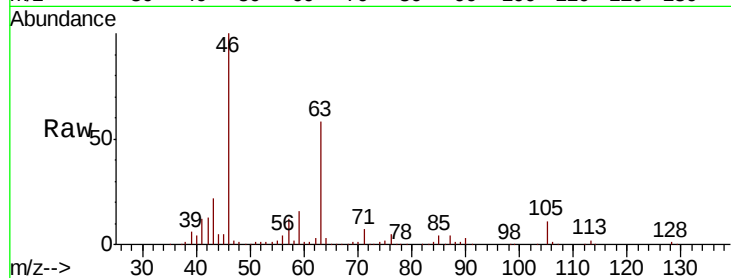




#48
2-Hexanone
Concen: 15.847 ug/L
RT: 8.66 min Scan# 2276
Delta R.T. -0.05 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

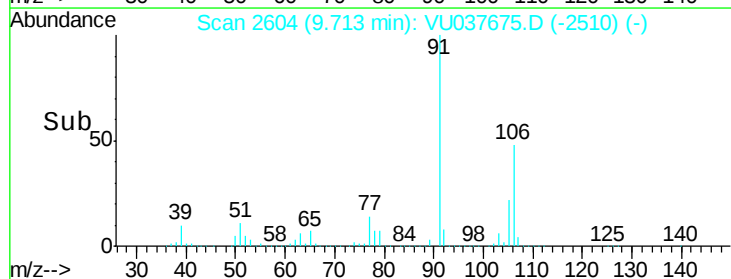
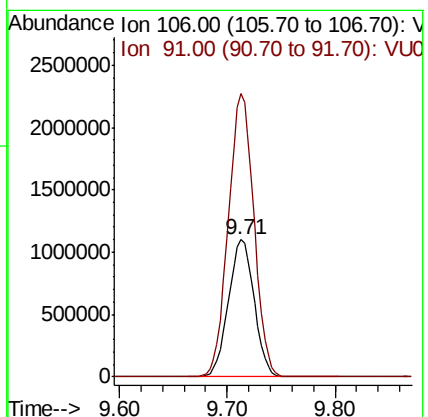
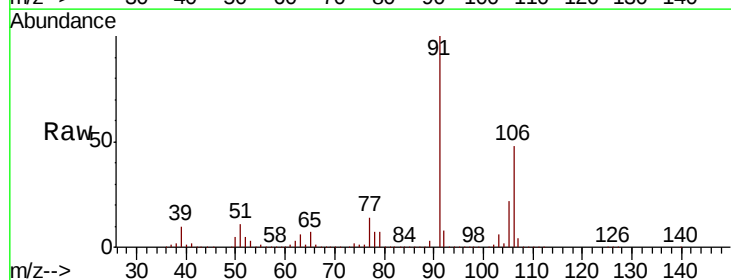
Instrument :
MSVOA_U
ClientSampleId :

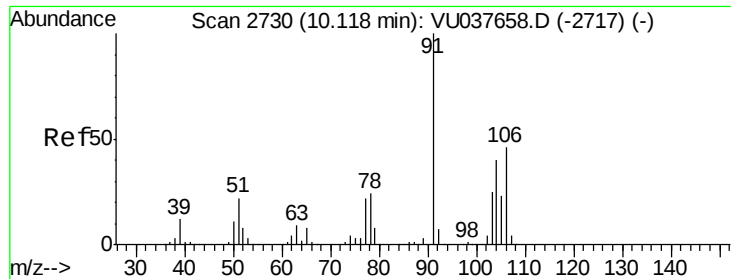
Tot Ion: 43 Resp: 102502
Ion Ratio Lower Upper
43 100
58 11.8 44.0 66.0#
57 55.2 15.2 22.8#
100 0.2 9.4 14.0#



#53
m,p-Xylene
Concen: 240.966 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VU037675.D
Acq: 10 Apr 2020 16:04

Tgt Ion:106 Resp: 1829170
Ion Ratio Lower Upper
106 100
91 206.5 140.8 261.6





#54

o-xylene

Concen: 1.070 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037675.D

Acq: 10 Apr 2020 16:04

Instrument :

MSVOA_U

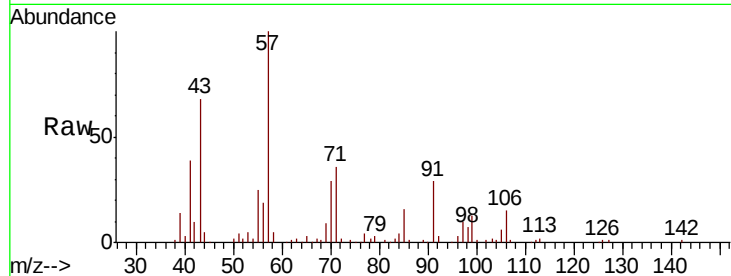
ClientSampled :

Tot Ion:106 Resp: 8055

Ion Ratio Lower Upper

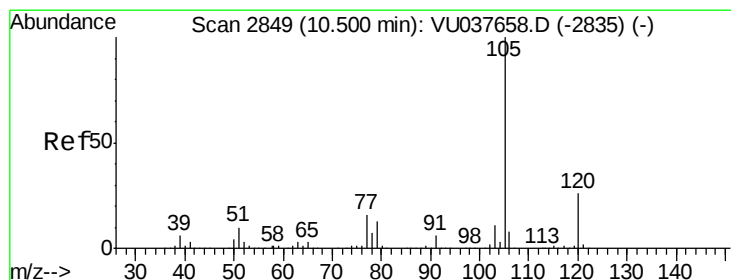
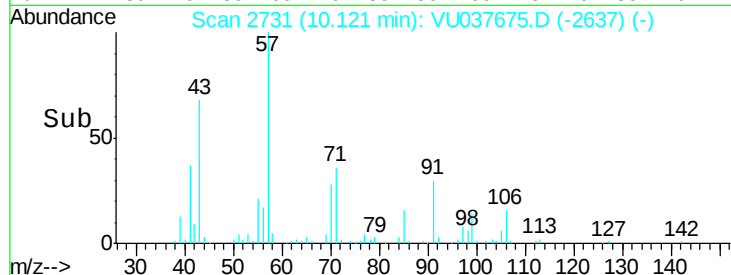
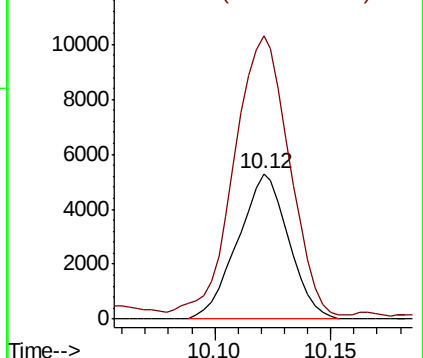
106 100

91 195.0 151.1 280.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 5.850 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037675.D

Acq: 10 Apr 2020 16:04

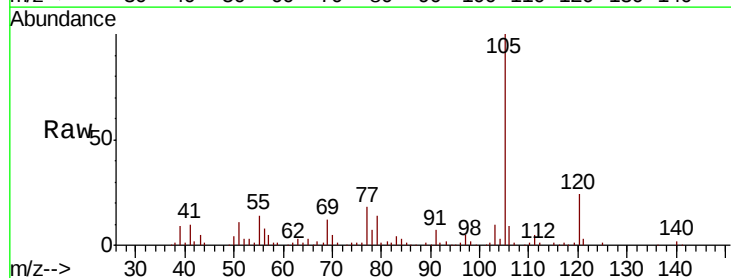
Tgt Ion:105 Resp: 114678

Ion Ratio Lower Upper

105 100

120 24.6 20.7 31.1

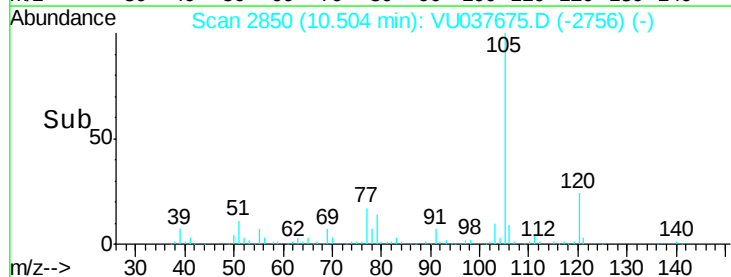
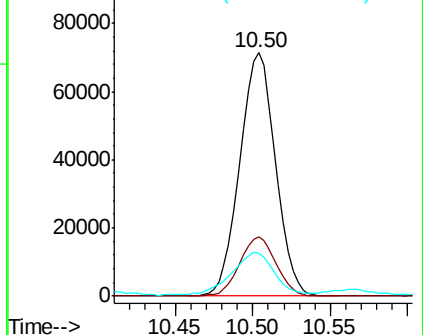
77 20.9 12.7 19.1#

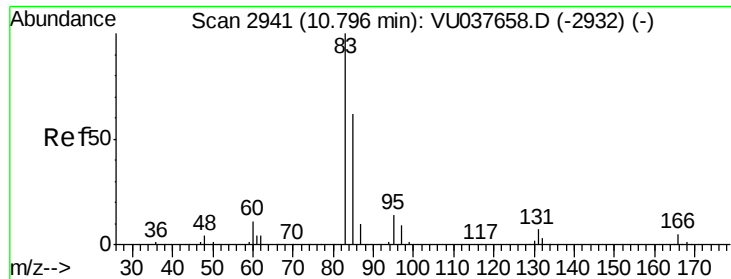


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 7.602 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.03 min

Lab File: VU037675.D

Acq: 10 Apr 2020 16:04

Instrument :

MSVOA_U

ClientSampleId :

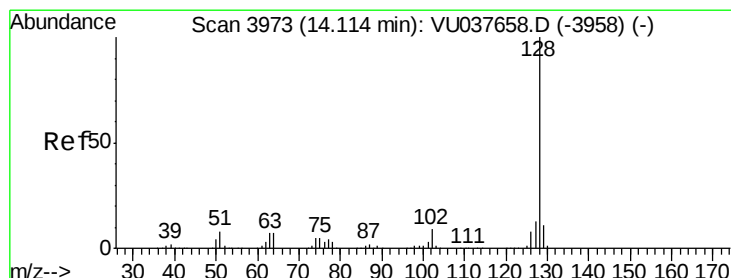
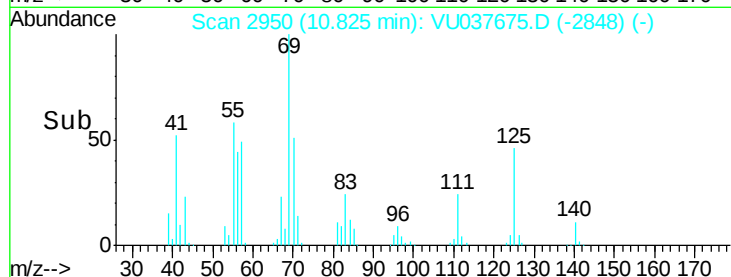
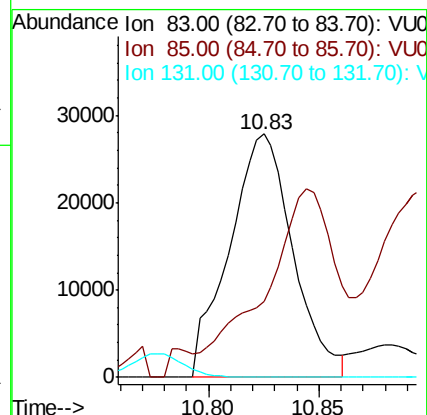
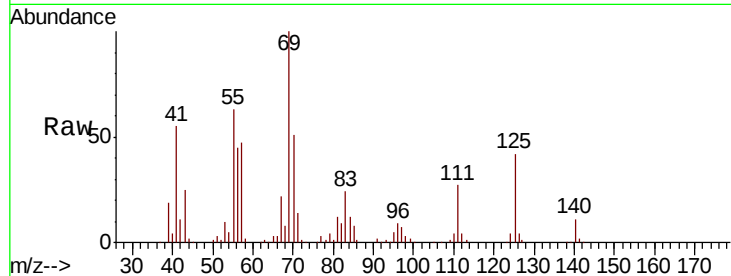
Tot Ion: 83 Resp: 55860

Ion Ratio Lower Upper

83 100

85 31.4 44.2 82.2#

131 0.0 7.6 11.4#



#69

Naphthalene

Concen: 5.838 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU037675.D

Acq: 10 Apr 2020 16:04

Tgt Ion: 128 Resp: 137723

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.4 8.6 13.0

