

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\
 Data File : VU037676.D
 Acq On : 10 Apr 2020 16:27
 Operator : JC/MD
 Sample : L2176-02ME
 Misc : 3.79/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 10 23:31:54 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	473390	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	461103	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	275633	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	301417	72.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	145.68%#
7) Chloroethane-d5	1.89	69	219103	65.51	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.02%#
11) 1,1-Dichloroethene-d2	2.56	63	409865	60.78	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	121.56%
21) 2-Butanone-d5	4.67	46	617492	184.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	184.16%#
24) Chloroform-d	5.10	84	582561	93.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	187.34%#
26) 1,2-Dichloroethane-d4	5.74	65	423801	100.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	200.62%#
32) Benzene-d6	5.75	84	1248541	92.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	184.08%#
36) 1,2-Dichloropropane-d6	6.72	67	439748	97.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	194.76%#
41) Toluene-d8	7.92	98	1395516	110.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	221.90%#
43) trans-1,3-Dichloropropene-	8.21	79	230868	94.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	189.16%#
47) 2-Hexanone-d5	8.67	63	562007	217.38	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	217.38%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	651364	102.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	204.24%#
64) 1,2-Dichlorobenzene-d4	12.21	152	523236	91.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	182.44%#

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.56	101	3684	1.235 ug/L #	23
12) 1,1-Dichloroethene	2.56	96	3271	1.081 ug/L #	1
25) Chloroform	5.12	83	17785	2.970 ug/L	92
29) Cyclohexane	5.41	56	65380	10.311 ug/L	93
35) Methylcyclohexane	6.79	83	3201513	522.342 ug/L	92
37) 1,2-Dichloropropane	6.79	63	22097	5.731 ug/L #	1
38) Bromodichloromethane	7.10	83	27883	5.874 ug/L #	1
39) cis-1,3-Dichloropropene	7.59	75	13112	2.078 ug/L #	29
40) 4-Methyl-2-pentanone	7.88	43	1825293	266.551 ug/L #	50
44) trans-1,3-Dichloropropene	8.21	75	9661	1.579 ug/L #	7
45) 1,1,2-Trichloroethane	8.39	97	7325624	2129.331 ug/L #	19
48) 2-Hexanone	8.66	43	6140550	1135.643 ug/L #	22
52) Ethylbenzene	9.59	91	381990	22.856 ug/L	97
53) m,p-Xylene	9.72	106	252919	39.856 ug/L	95
56) Isopropylbenzene	10.51	105	424639	25.912 ug/L #	92
58) 1,1,2,2-Tetrachloroethane	10.83	83	705183	114.792 ug/L #	44
66) 1,2-Dibromo-3-chloropropan	13.00	75	21887	10.806 ug/L #	19

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Quant Title : VOC Analysis
QLast Update : Fri Apr 10 23:26:55 2020
Response via : Initial Calibration

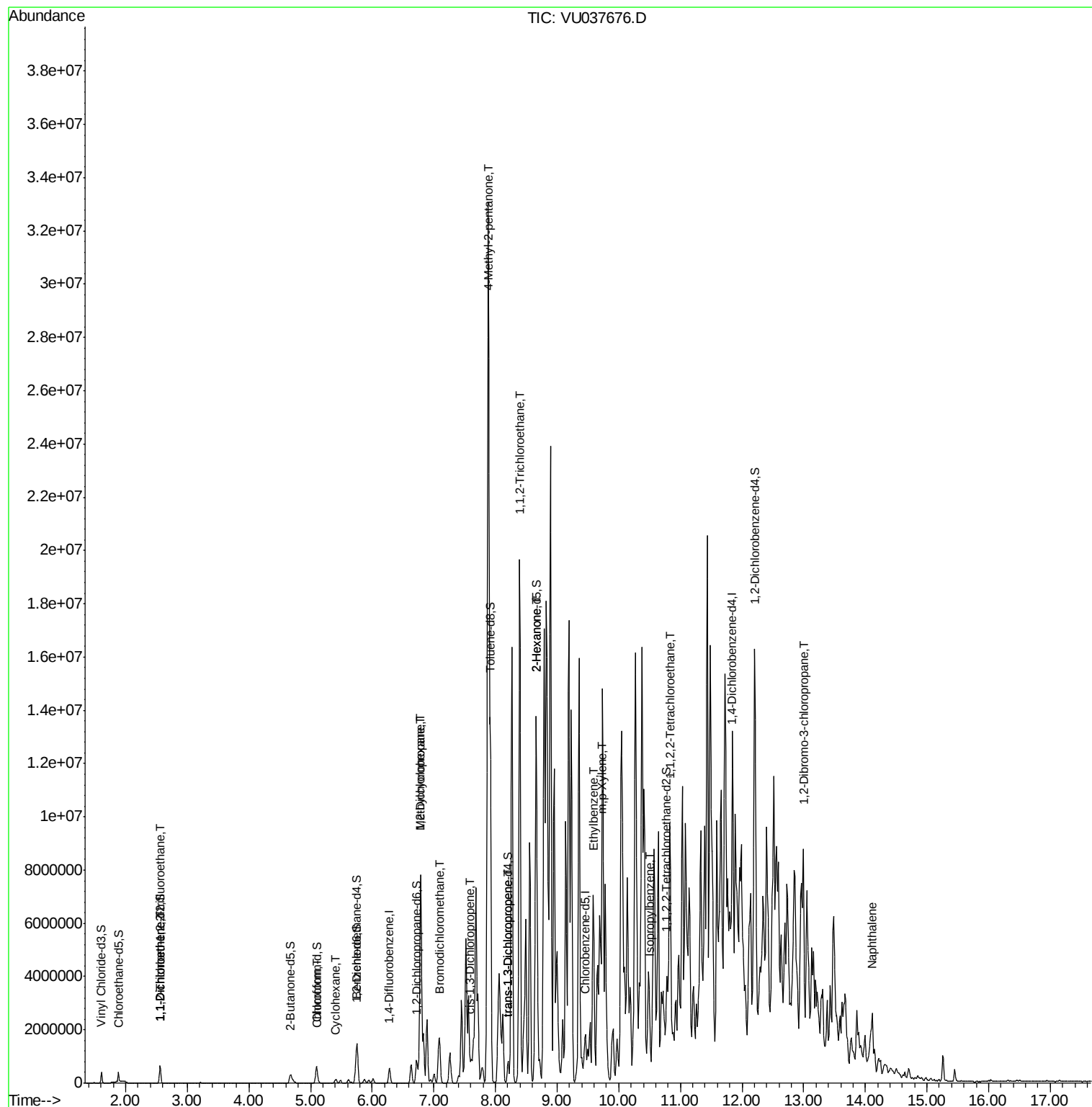
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	14.11	128	1539661	66.691	ug/L #	95
-----	-----	-----	-----	-----	-----	-----

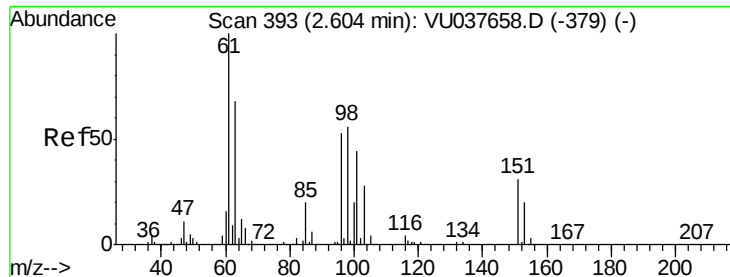
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.235 ug/L

RT: 2.56 min Scan# 380

Delta R.T. -0.04 min

Lab File: VU037676.D

Acq: 10 Apr 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

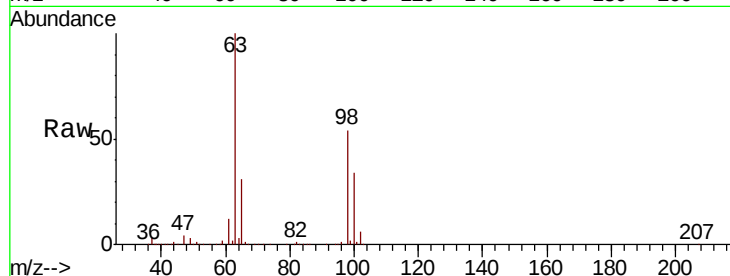
Tot Ion:101 Resp: 3684

Ion Ratio Lower Upper

101 100

85 2.8 34.5 51.7#

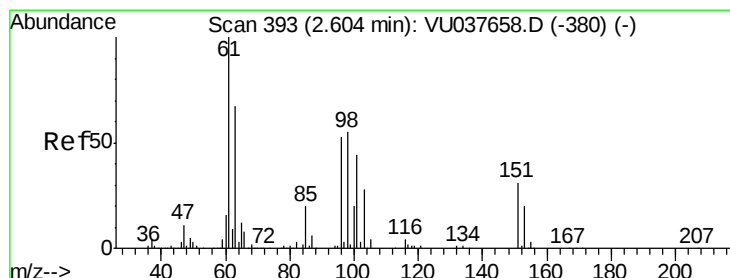
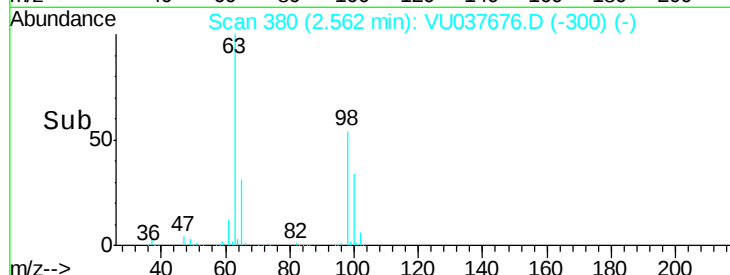
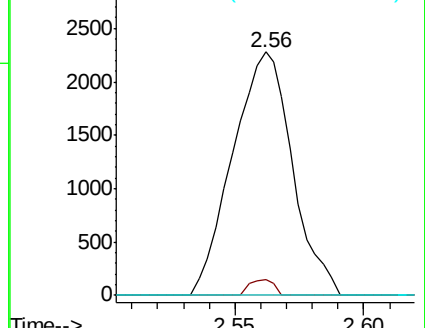
151 0.0 56.8 85.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.081 ug/L

RT: 2.56 min Scan# 379

Delta R.T. -0.05 min

Lab File: VU037676.D

Acq: 10 Apr 2020 16:27

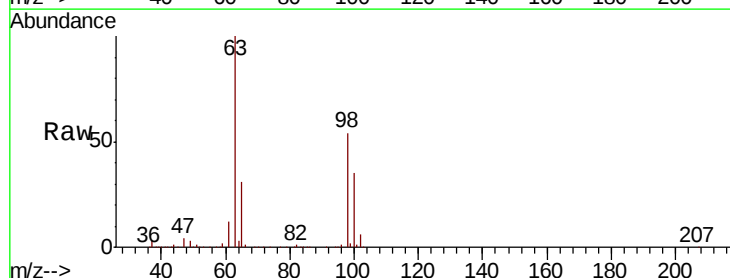
Tgt Ion: 96 Resp: 3271

Ion Ratio Lower Upper

96 100

61 1411.4 123.6 229.6#

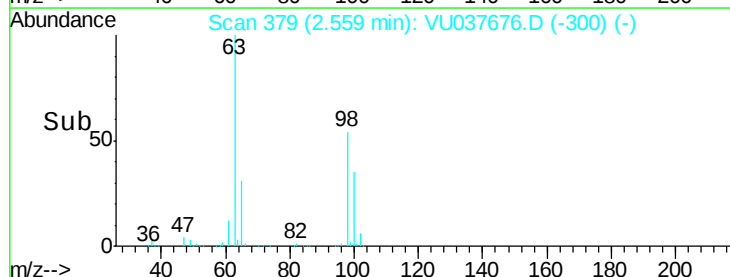
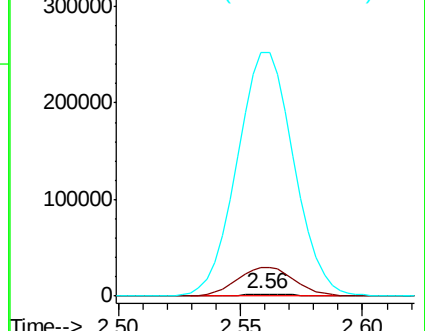
63 11873.6 85.7 159.1#

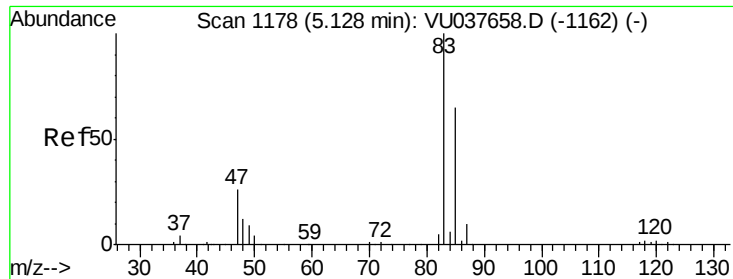


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

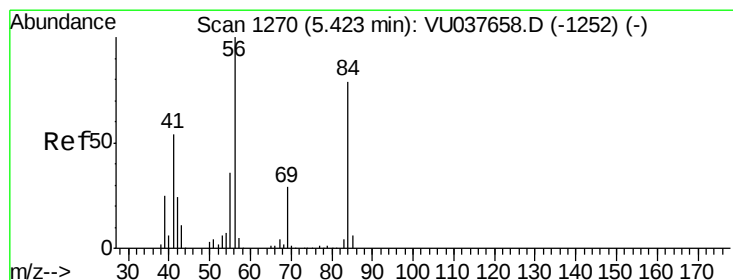
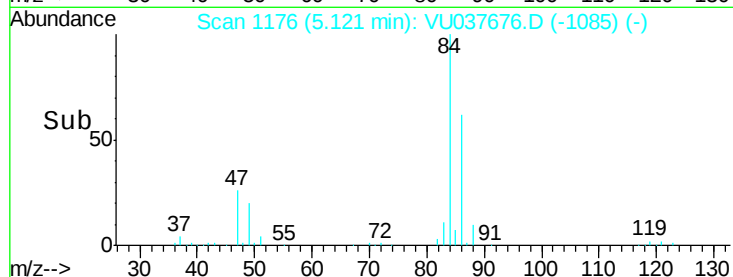
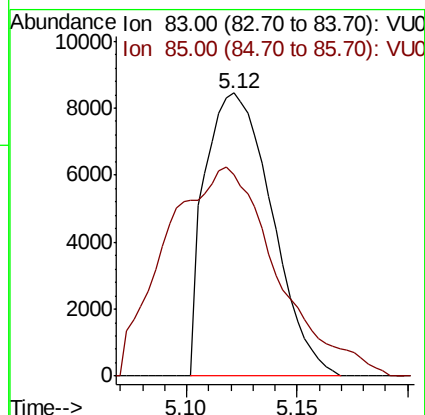
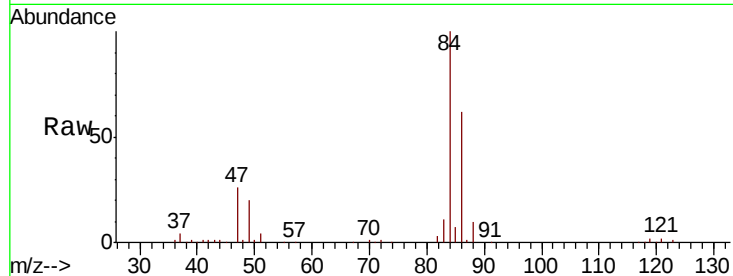




#25
Chloroform
Concen: 2.970 ug/L
RT: 5.12 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

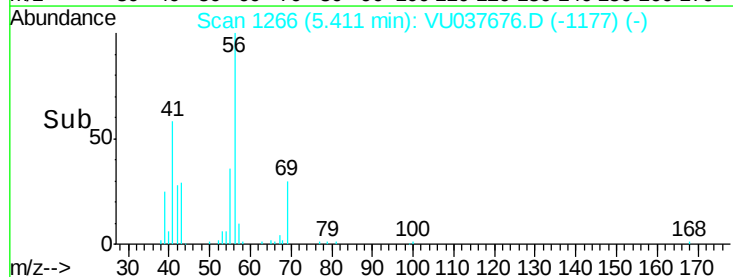
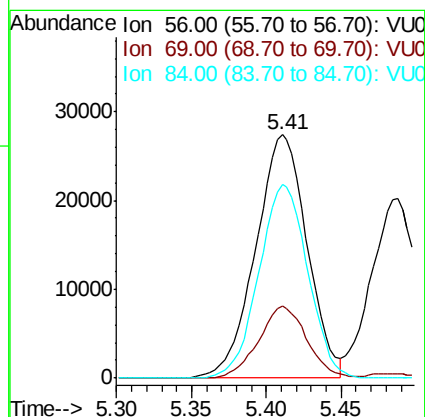
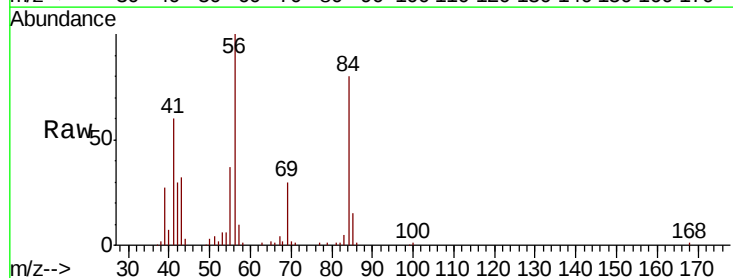
Instrument :
MSVOA_U
ClientSampleId :

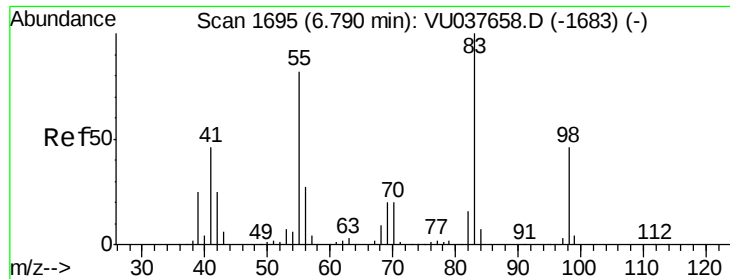
Tot Ion: 83 Resp: 17785
Ion Ratio Lower Upper
83 100
85 71.0 45.5 84.5



#29
Cyclohexane
Concen: 10.311 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

Tgt Ion: 56 Resp: 65380
Ion Ratio Lower Upper
56 100
69 27.7 24.0 36.0
84 75.7 66.3 99.5

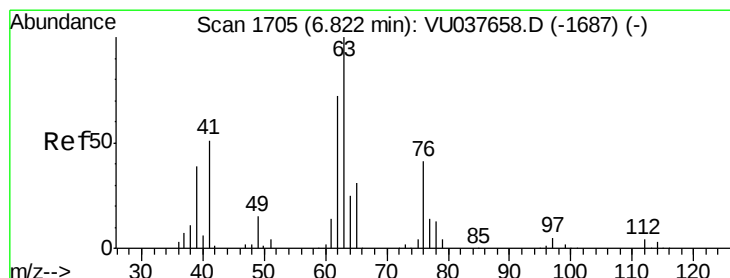
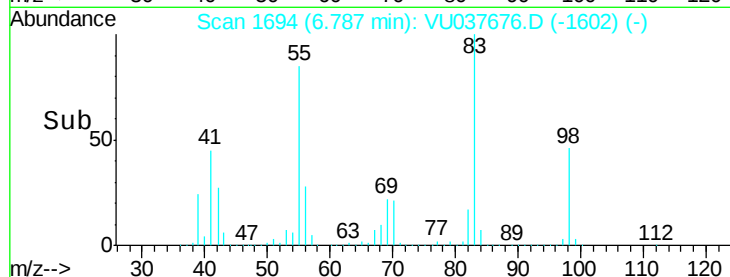
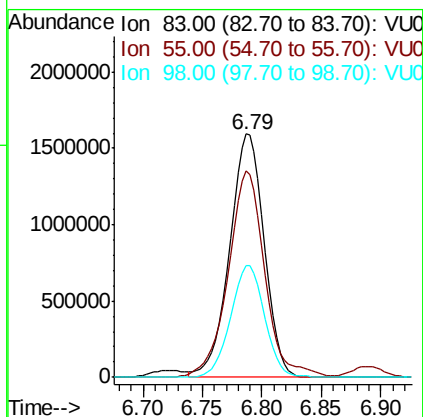
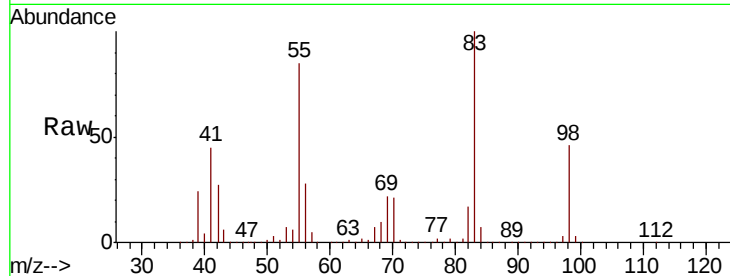




#35
Methvlcvclohexane
Concen: 522.342 ug/L
RT: 6.79 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

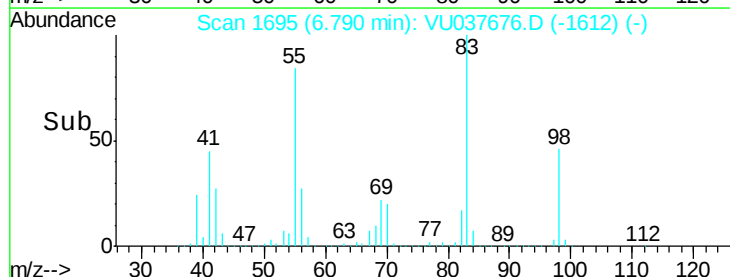
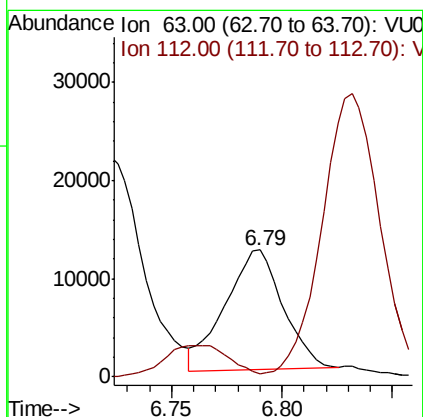
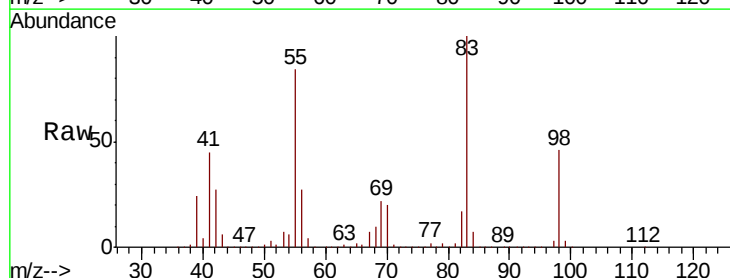
Instrument :
MSVOA_U
ClientSampleId :

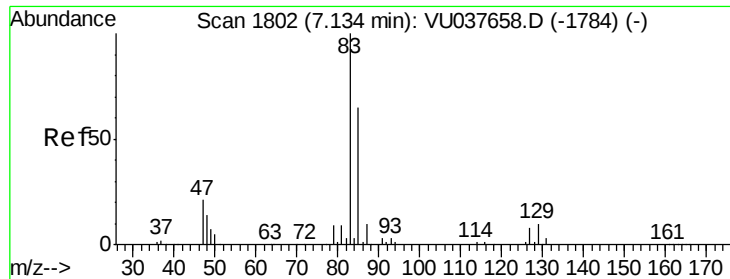
Tot Ion: 83 Resp: 3201513
Ion Ratio Lower Upper
83 100
55 89.9 64.6 96.8
98 45.4 38.0 57.0



#37
1,2-Dichloropropane
Concen: 5.731 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.03 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

Tgt Ion: 63 Resp: 22097
Ion Ratio Lower Upper
63 100
112 238.0 3.4 5.0#





#38

Bromodichloromethane

Concen: 5.874 ug/L

RT: 7.10 min Scan# 1791

Delta R.T. -0.04 min

Lab File: VU037676.D

Acq: 10 Apr 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

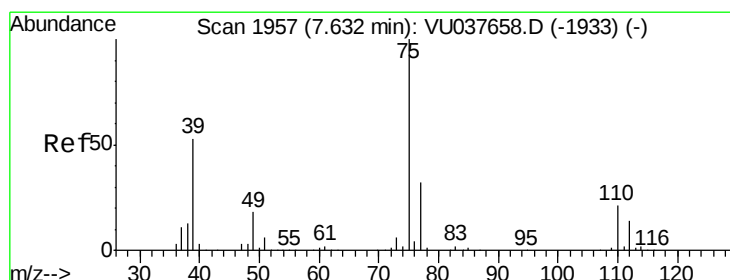
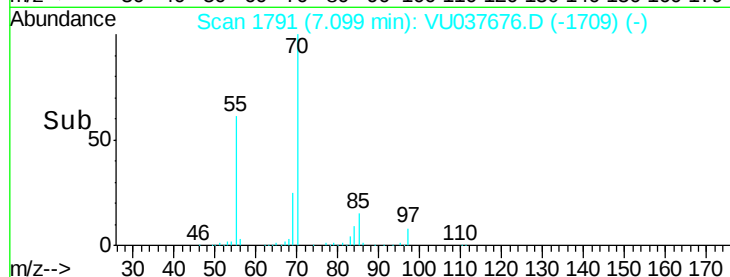
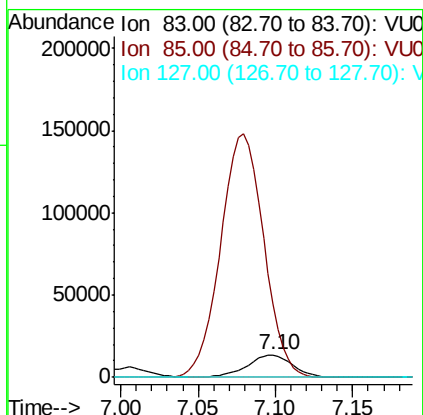
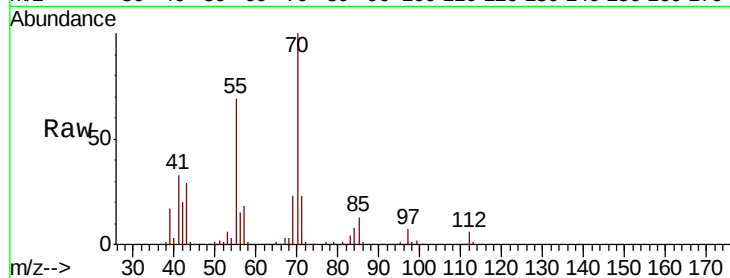
Tot Ion: 83 Resp: 27883

Ion Ratio Lower Upper

83 100

85 327.2 45.1 83.7#

127 0.0 6.6 9.8#



#39

cis-1,3-Dichloropropene

Concen: 2.078 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037676.D

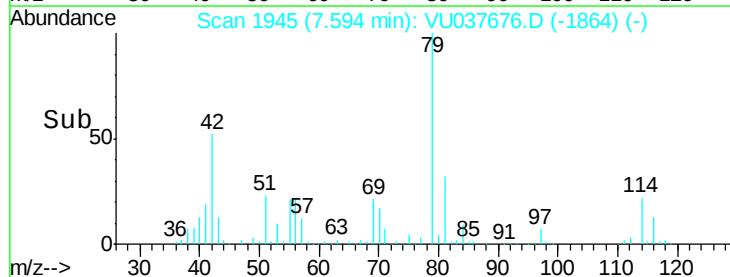
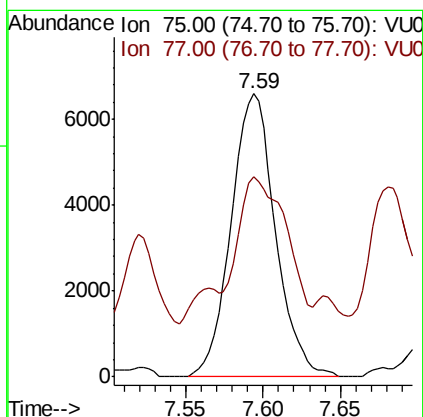
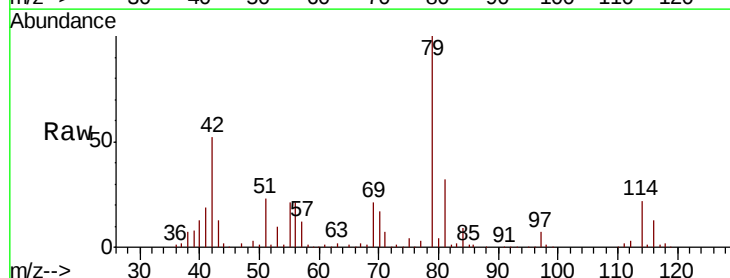
Acq: 10 Apr 2020 16:27

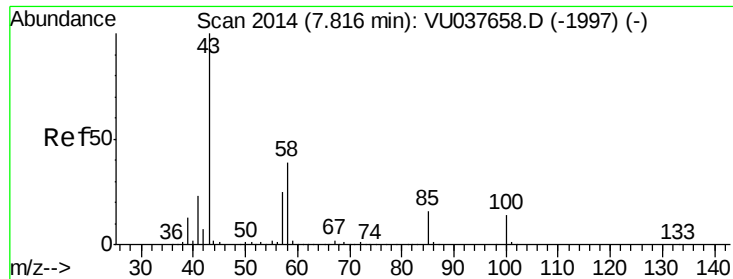
Tgt Ion: 75 Resp: 13112

Ion Ratio Lower Upper

75 100

77 70.8 22.1 41.1#

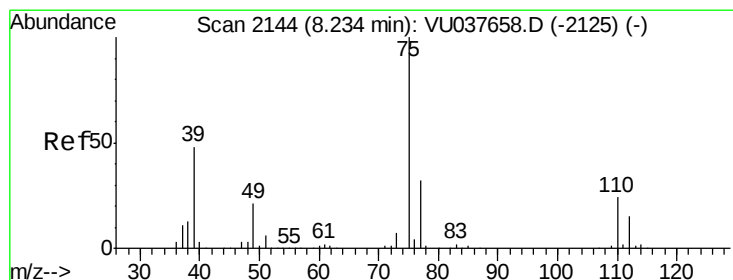
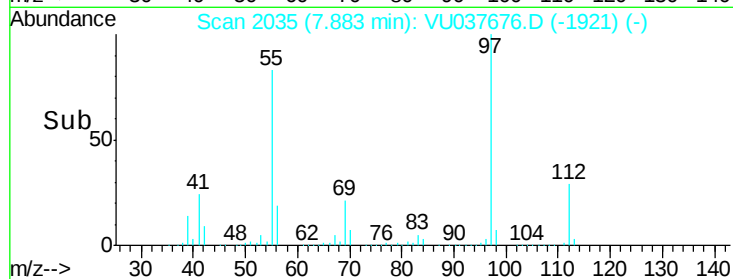
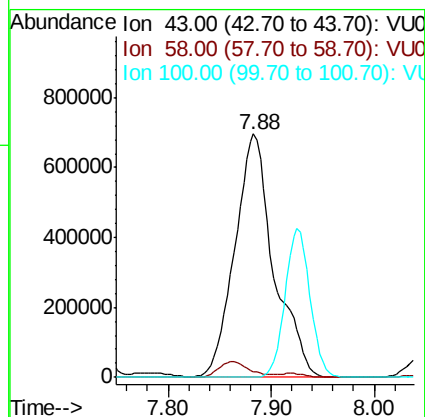
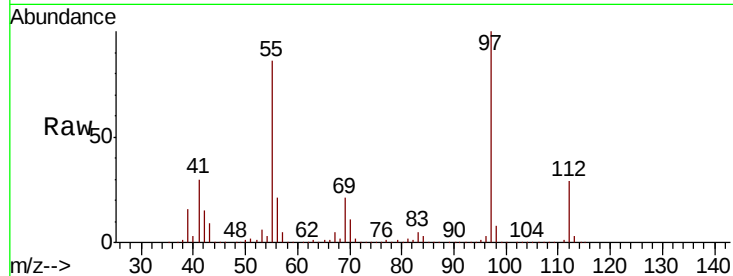




#40
4-Methyl-2-pentanone
Concen: 266.551 ug/L
RT: 7.88 min Scan# 2035
Delta R.T. 0.07 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

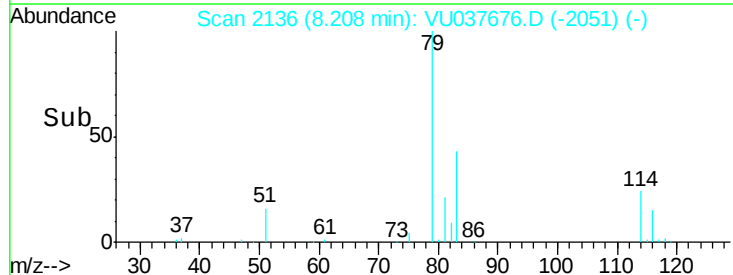
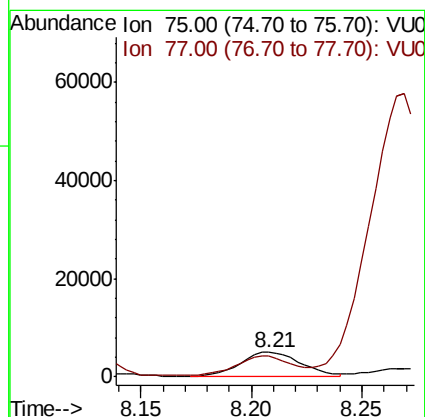
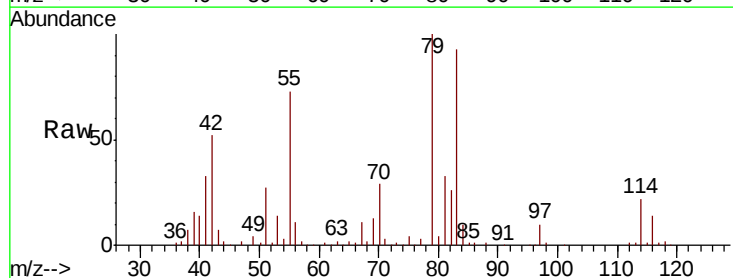
Instrument :
MSVOA_U
ClientSampled :

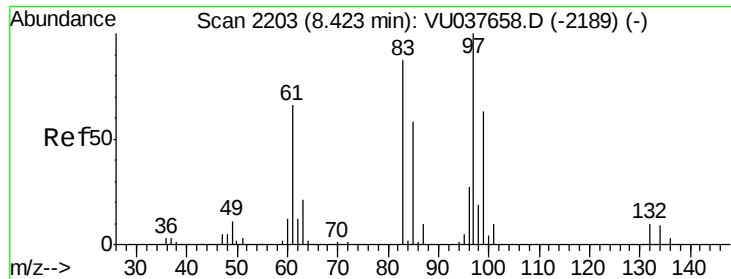
Tot Ion: 43 Resp: 1825293
Ion Ratio Lower Upper
43 100
58 5.2 31.5 47.3#
100 0.0 12.0 18.0#



#44
trans-1,3-Dichloropropene
Concen: 1.579 ug/L
RT: 8.21 min Scan# 2136
Delta R.T. -0.03 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

Tgt Ion: 75 Resp: 9661
Ion Ratio Lower Upper
75 100
77 84.8 22.7 42.1#



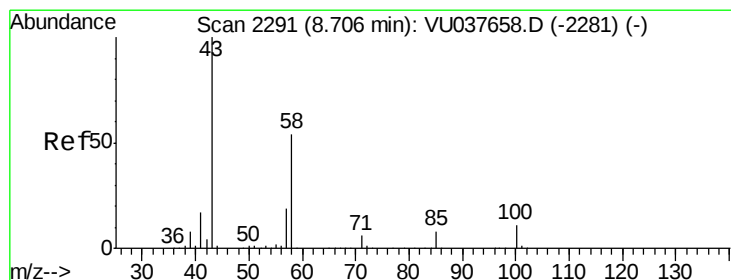
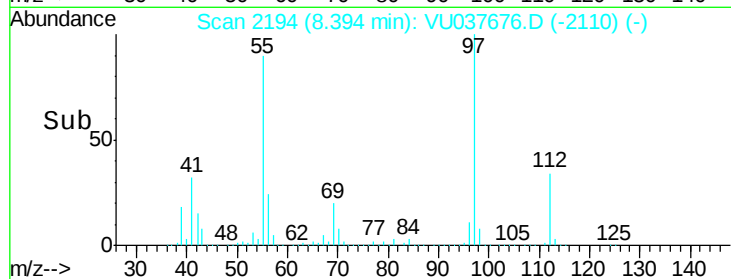
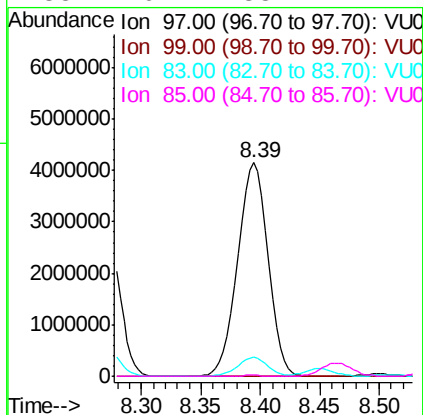
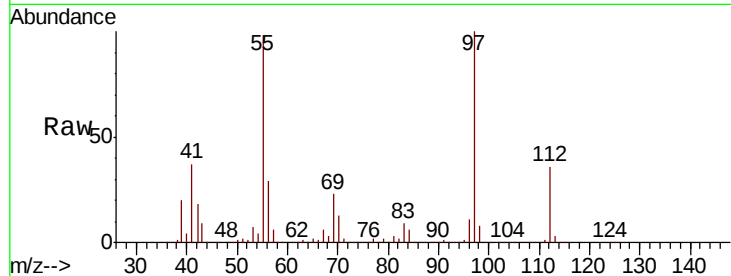


#45
 1,1,2-Trichloroethane
 Concen: 2129.331 ug/L
 RT: 8.39 min Scan# 2194
 Delta R.T. -0.03 min
 Lab File: VU037676.D
 Acq: 10 Apr 2020 16:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 7325624

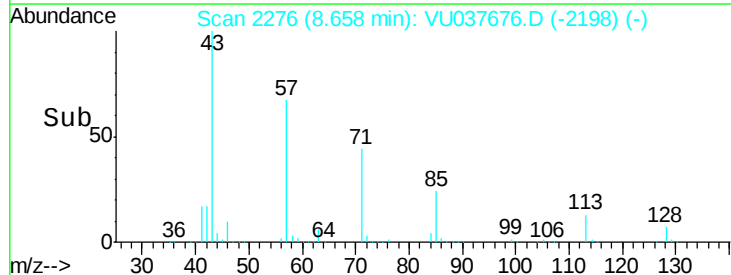
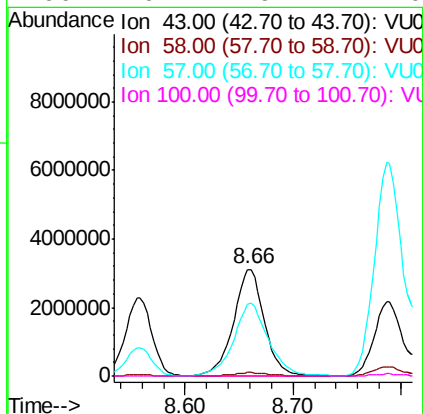
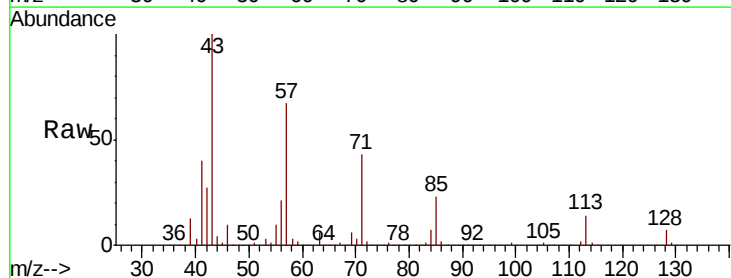
Ion	Ratio	Lower	Upper
97	100		
99	0.3	43.6	81.0#
83	8.7	61.2	113.8#
85	0.4	38.4	71.4#

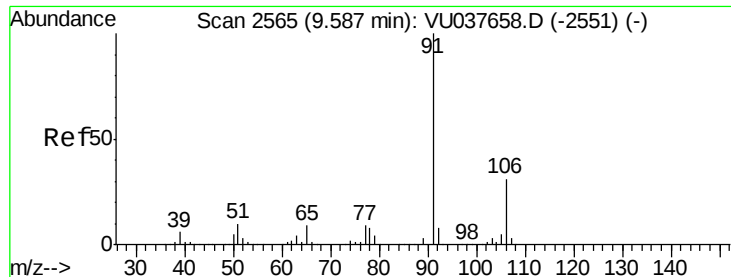


#48
 2-Hexanone
 Concen: 1135.643 ug/L
 RT: 8.66 min Scan# 2276
 Delta R.T. -0.05 min
 Lab File: VU037676.D
 Acq: 10 Apr 2020 16:27

Tgt Ion: 43 Resp: 6140550

Ion	Ratio	Lower	Upper
43	100		
58	3.7	44.0	66.0#
57	76.4	15.2	22.8#
100	0.2	9.4	14.0#

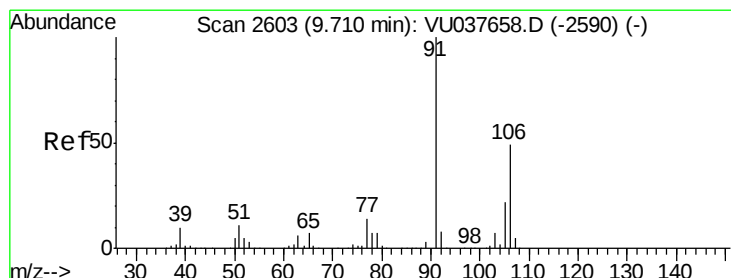
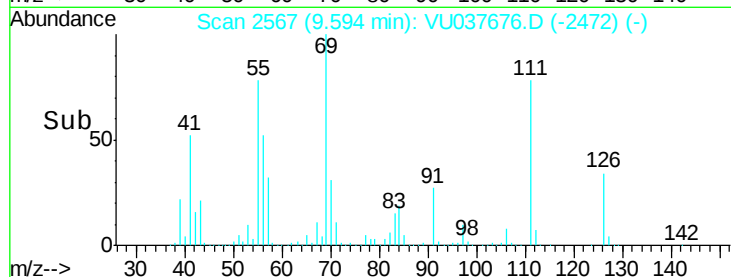
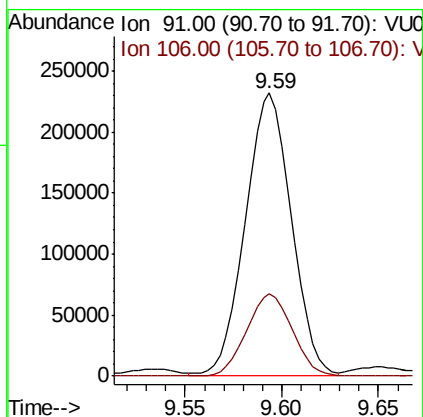
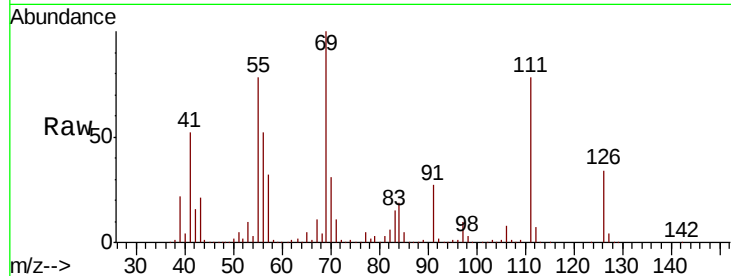




#52
Ethylbenzene
Concen: 22.856 ug/L
RT: 9.59 min Scan# 2567
Delta R.T. 0.01 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

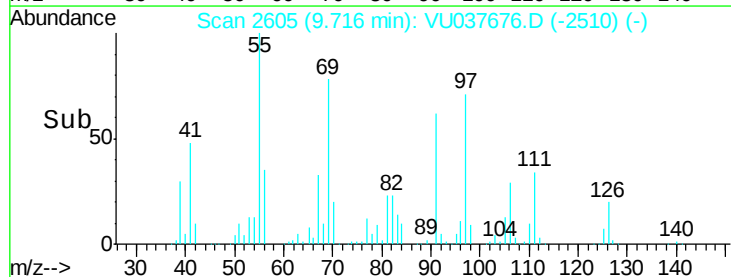
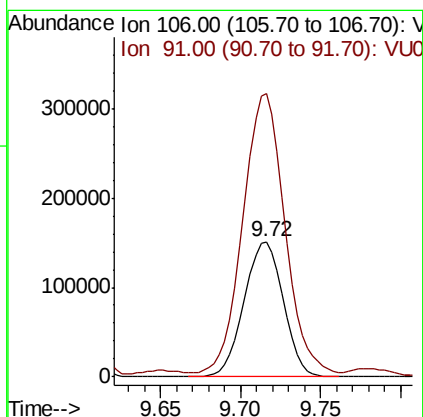
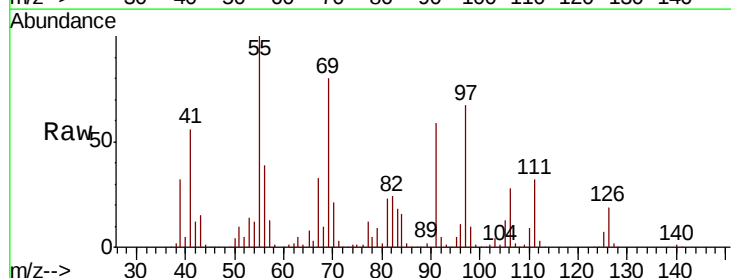
Instrument :
MSVOA_U
ClientSampled :

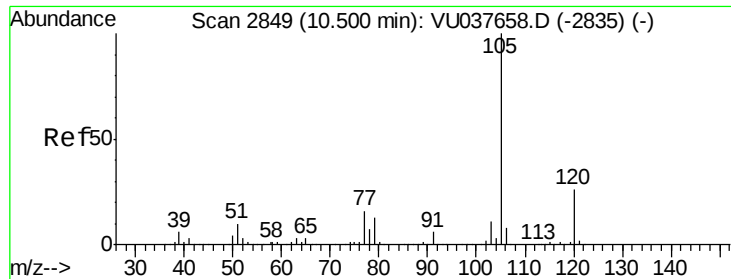
Tot Ion: 91 Resp: 381990
Ion Ratio Lower Upper
91 100
106 29.2 21.6 40.0



#53
m,p-Xylene
Concen: 39.856 ug/L
RT: 9.72 min Scan# 2605
Delta R.T. 0.01 min
Lab File: VU037676.D
Acq: 10 Apr 2020 16:27

Tgt Ion: 106 Resp: 252919
Ion Ratio Lower Upper
106 100
91 209.3 140.8 261.6





#56

Isopropylbenzene

Concen: 25.912 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.01 min

Lab File: VU037676.D

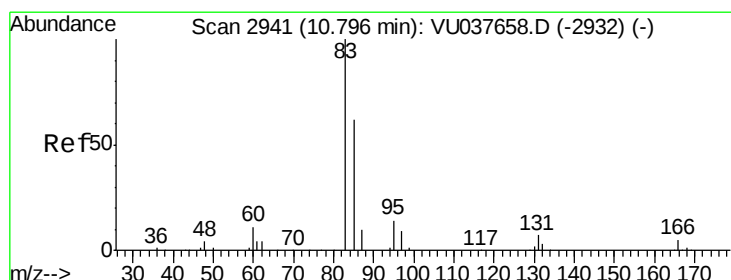
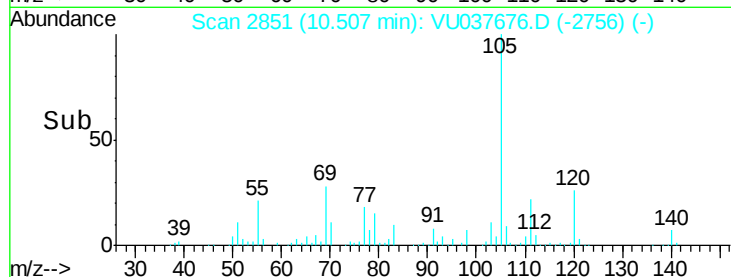
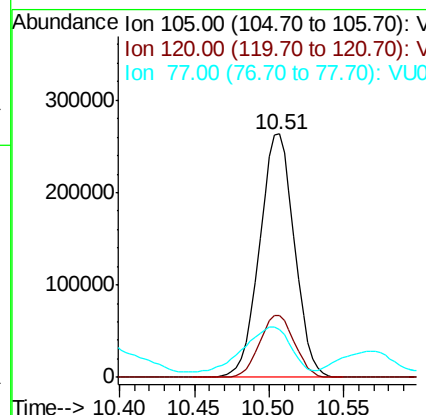
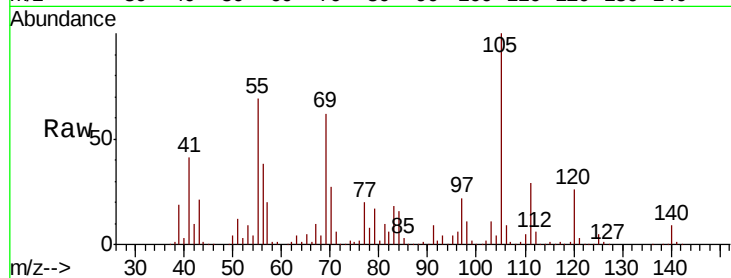
Acq: 10 Apr 2020 16:27

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	105	Resp:	424639
Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.7	31.1
77	24.9	12.7	19.1#



#58

1,1,2,2-Tetrachloroethane

Concen: 114.792 ug/L

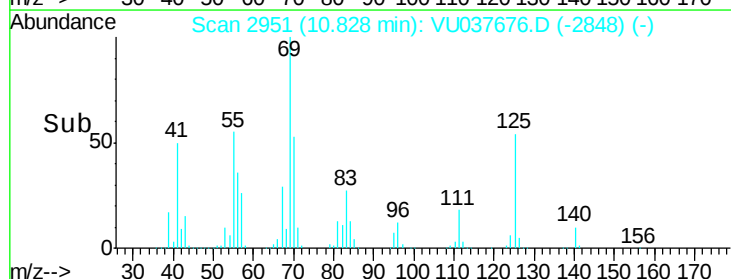
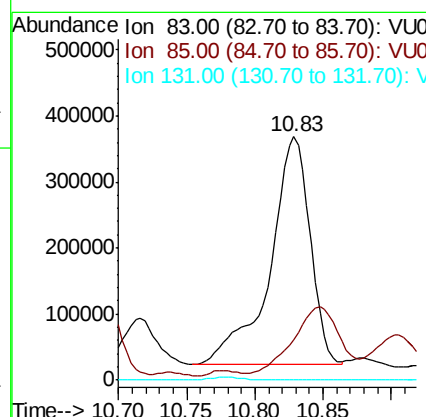
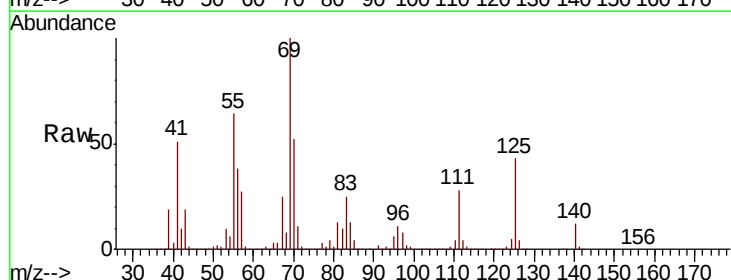
RT: 10.83 min Scan# 2951

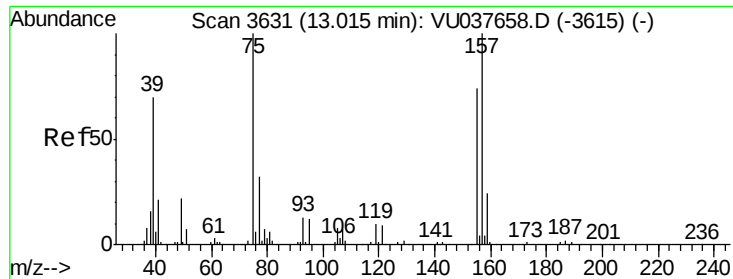
Delta R.T. 0.03 min

Lab File: VU037676.D

Acq: 10 Apr 2020 16:27

Tgt Ion:	83	Resp:	705183
Ion	Ratio	Lower	Upper
83	100		
85	16.5	44.2	82.2#
131	0.0	7.6	11.4#

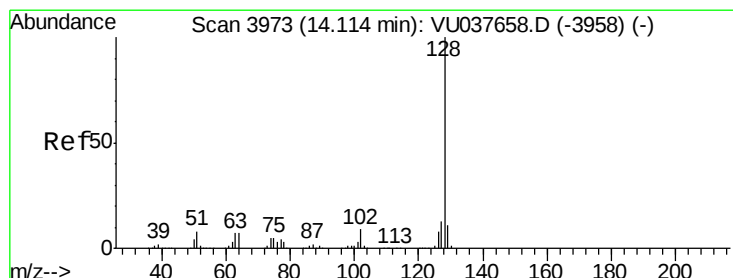
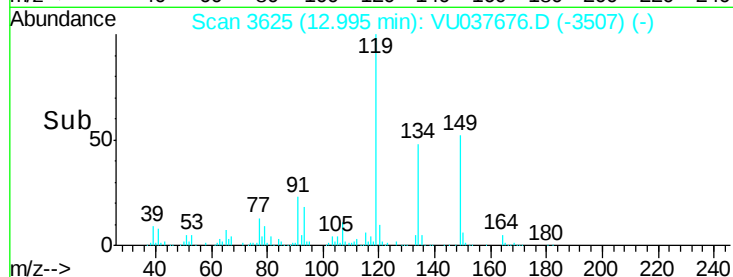
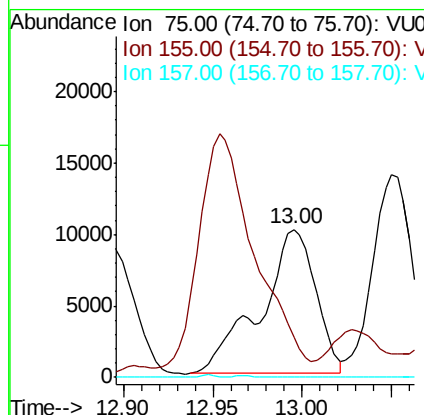
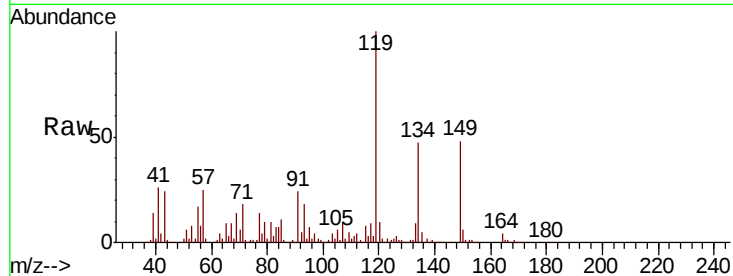




#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.806 ug/L
 RT: 13.00 min Scan# 3625
 Delta R.T. -0.02 min
 Lab File: VU037676.D
 Acq: 10 Apr 2020 16:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 75 Resp: 21887
 Ion Ratio Lower Upper
 75 100
 155 27.5 60.9 91.3#
 157 0.0 78.8 118.2#



#69
 Naphthalene
 Concen: 66.691 ug/L
 RT: 14.11 min Scan# 3973
 Delta R.T. -0.00 min
 Lab File: VU037676.D
 Acq: 10 Apr 2020 16:27

Tgt Ion: 128 Resp: 1539661
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.5 15.7
 129 13.9 8.6 13.0#

