

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021020\
 Data File : VU036703.D
 Acq On : 10 Feb 2020 11:20
 Operator : JC/MD
 Sample : VU0210MBL03
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 11 03:33:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 03:31:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	263284	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	238725	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	102622	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79449	45.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.50%
7) Chloroethane-d5	1.93	69	75764	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.08%
11) 1,1-Dichloroethene-d2	2.59	63	114580	34.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.12%
21) 2-Butanone-d5	4.68	46	161278	107.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.66%
24) Chloroform-d	5.11	84	153486	48.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.74	65	108642	49.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.96%
32) Benzene-d6	5.77	84	325096	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.73	67	109141	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.76%
41) Toluene-d8	7.93	98	289249	50.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.66%
43) trans-1,3-Dichloropropene-	8.21	79	48610	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.46%
47) 2-Hexanone-d5	8.67	63	125913	105.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.89%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	157815	51.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	97267	52.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.34%

Target Compounds

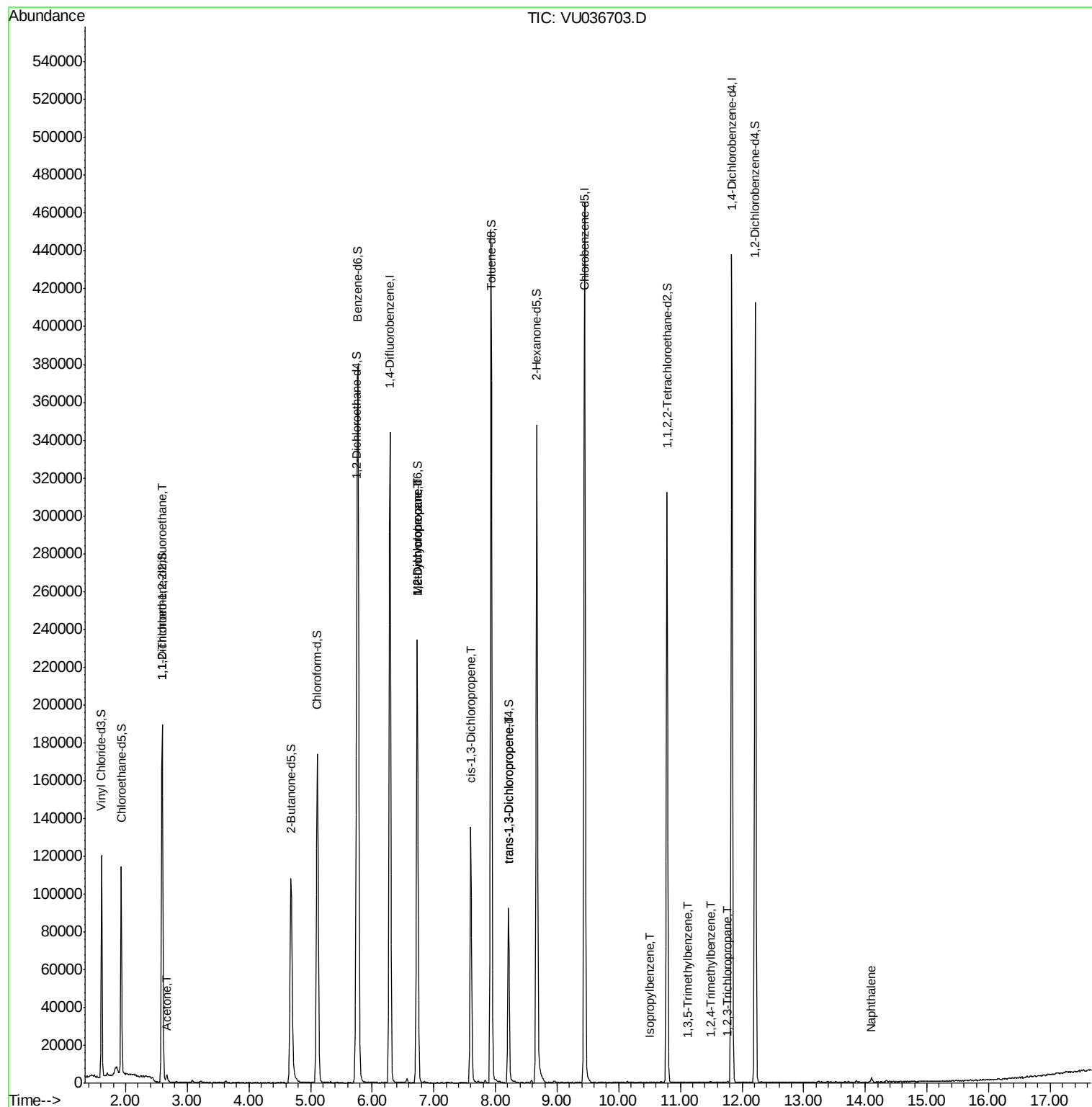
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	940	0.569	ug/L #	23
13) Acetone	2.67	43	4528	2.845	ug/L	95
35) Methylcyclohexane	6.73	83	24093	7.662	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11945	6.135	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3314	1.065	ug/L #	56
44) trans-1,3-Dichloropropene	8.21	75	2345	0.863	ug/L	83
60) 1,2,3-Trichloropropane	11.76	75	66	0.027	ug/L #	47
61) Isopropylbenzene	10.51	105	191	0.025	ug/L #	55
62) 1,3,5-Trimethylbenzene	11.11	105	248	0.038	ug/L #	30
63) 1,2,4-Trimethylbenzene	11.49	105	419	0.064	ug/L #	47
71) Naphthalene	14.10	128	2551	0.389	ug/L #	91

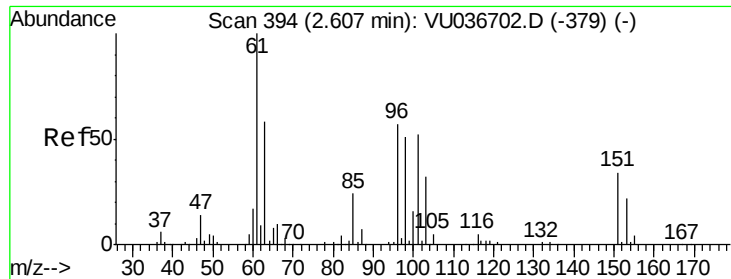
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.569 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036703.D

Acq: 10 Feb 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

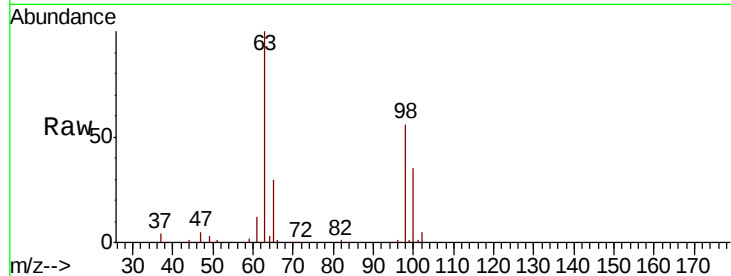
Tot Ion:101 Resp: 940

Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

151 0.0 52.6 78.8#



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

2.59

800

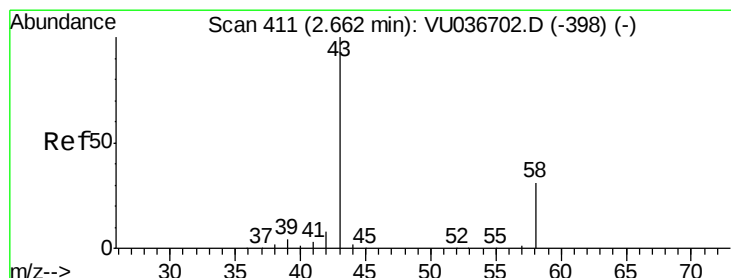
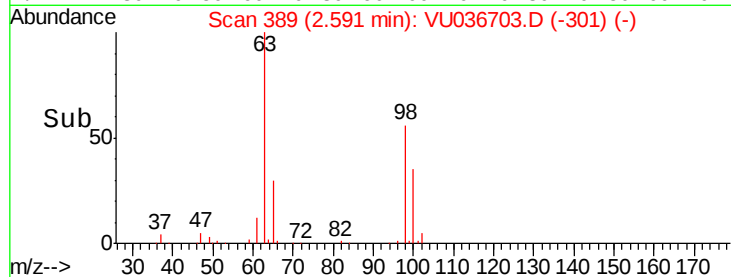
600

400

200

0

Time-->



#13

Acetone

Concen: 2.845 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU036703.D

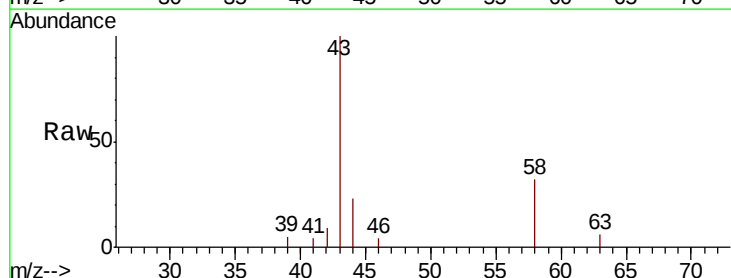
Acq: 10 Feb 2020 11:20

Tgt Ion: 43 Resp: 4528

Ion Ratio Lower Upper

43 100

58 29.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.67

2500

2000

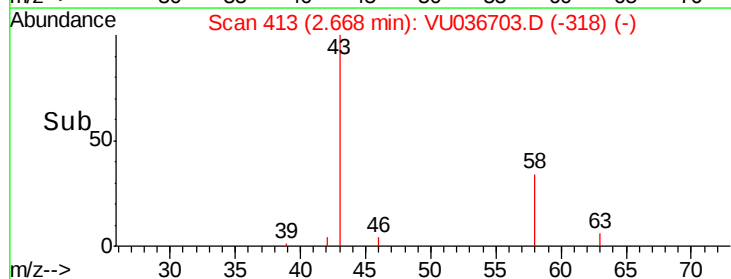
1500

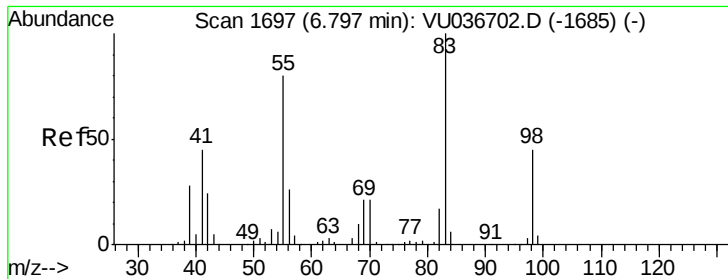
1000

500

0

Time-->

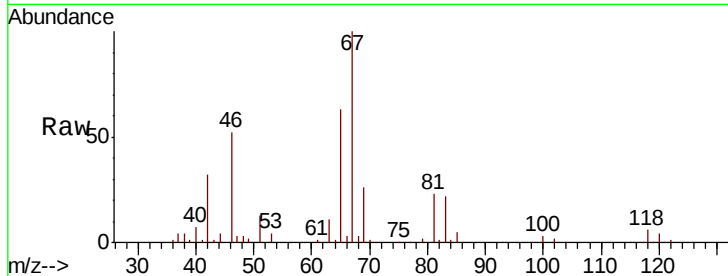




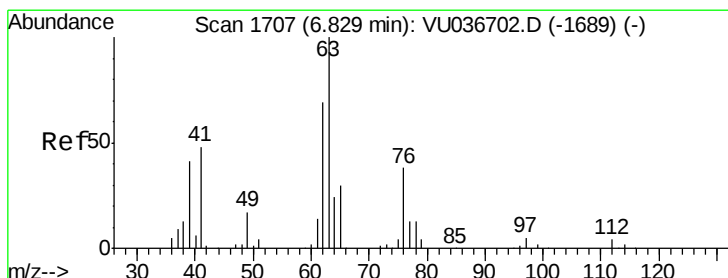
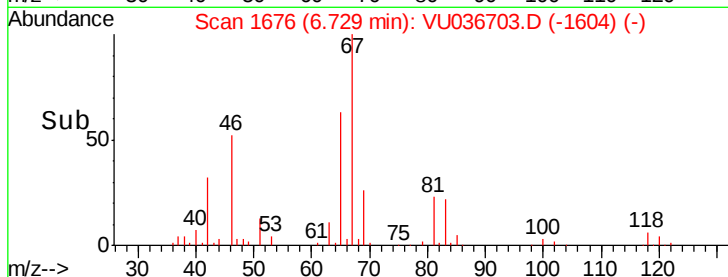
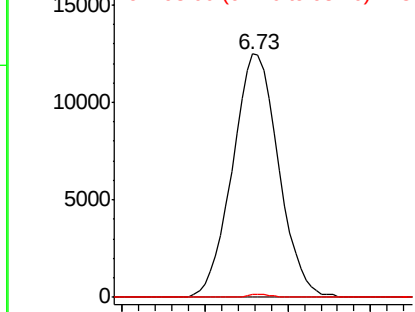
#35
Methvlcvclohexane
Concen: 7.662 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.07 min
Lab File: VU036703.D
Acq: 10 Feb 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 24093
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 0.6 35.4 53.0#

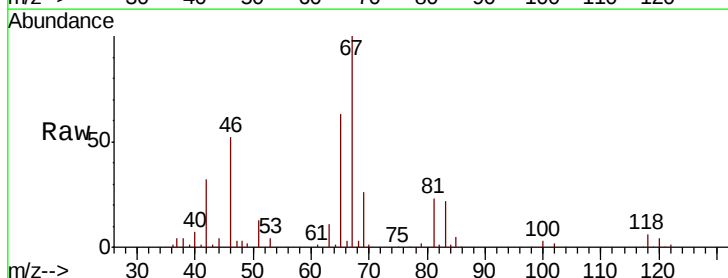


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

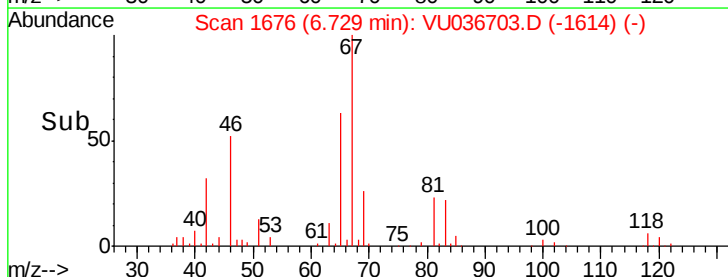
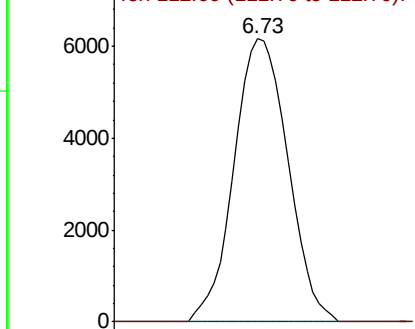


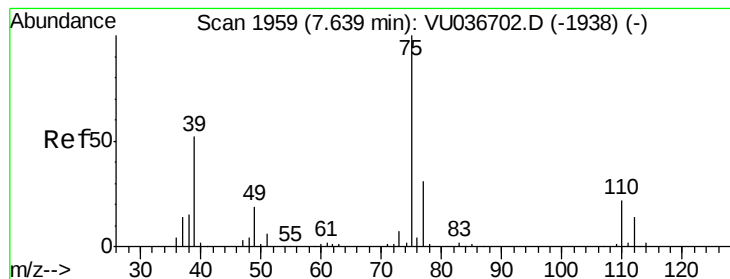
#37
1,2-Dichloropropane
Concen: 6.135 ug/L
RT: 6.73 min Scan# 1676
Delta R.T. -0.10 min
Lab File: VU036703.D
Acq: 10 Feb 2020 11:20

Tgt Ion: 63 Resp: 11945
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V



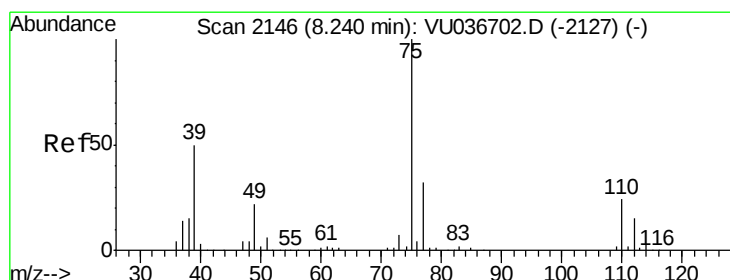
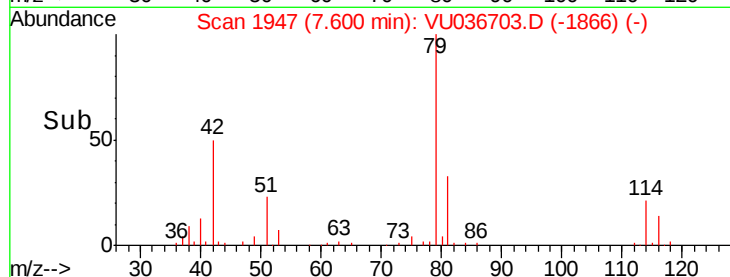
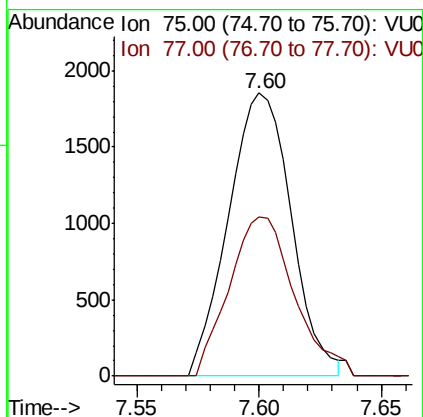
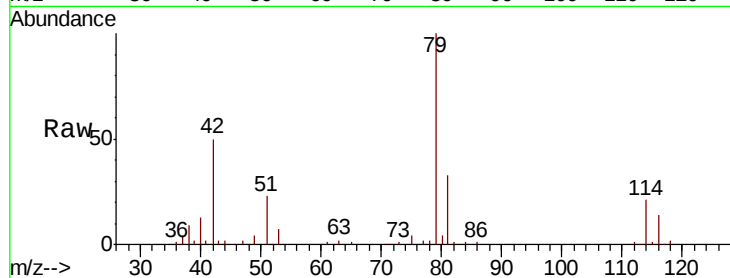


#39

cis-1,3-Dichloropropene
Concen: 1.065 ug/L
RT: 7.60 min Scan# 1947
Delta R.T. -0.04 min
Lab File: VU036703.D
Acq: 10 Feb 2020 11:20

Instrument :
MSVOA_U
ClientSampleId :

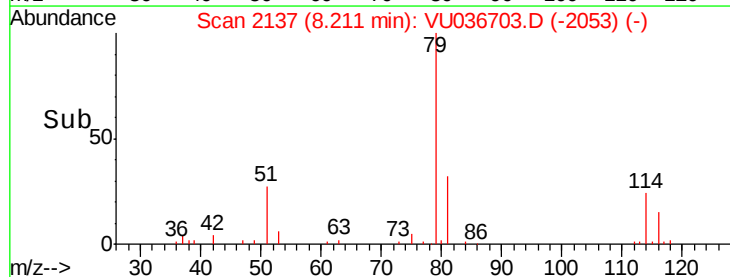
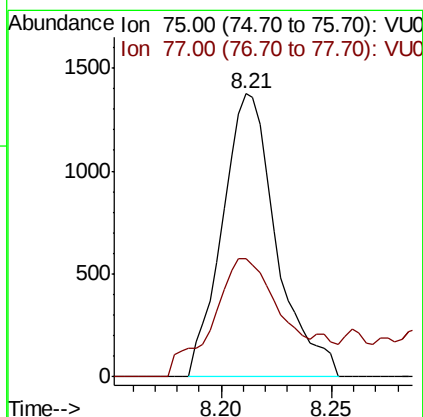
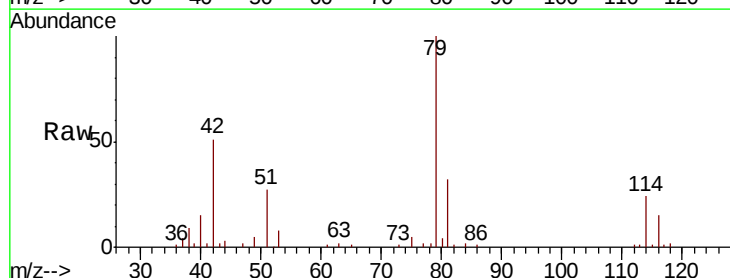
Tot Ion: 75 Resp: 3314
Ion Ratio Lower Upper
75 100
77 56.1 22.3 41.5#

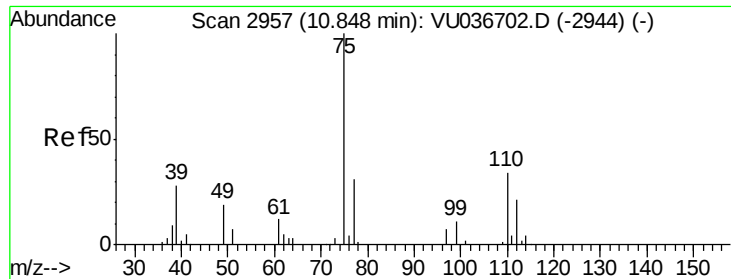


#44

trans-1,3-Dichloropropene
Concen: 0.863 ug/L
RT: 8.21 min Scan# 2137
Delta R.T. -0.03 min
Lab File: VU036703.D
Acq: 10 Feb 2020 11:20

Tgt Ion: 75 Resp: 2345
Ion Ratio Lower Upper
75 100
77 41.9 22.6 42.0

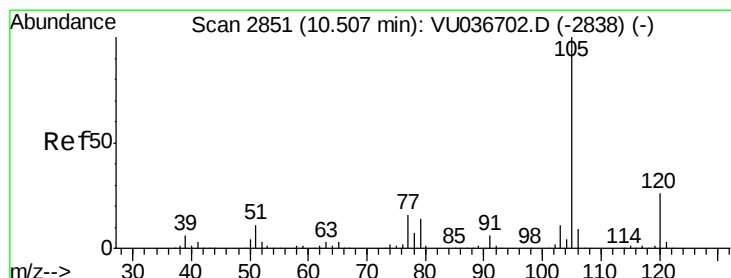
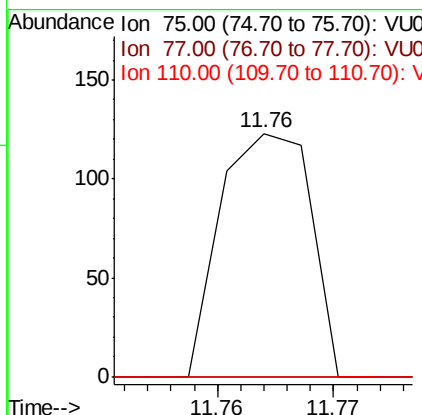
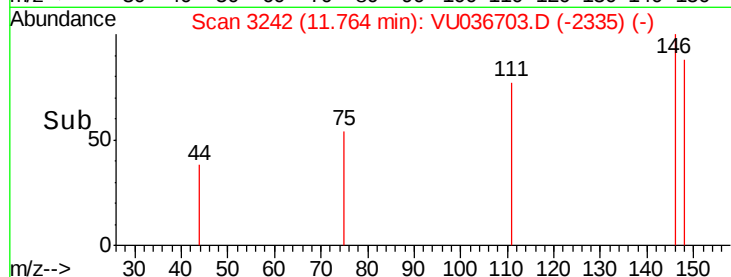
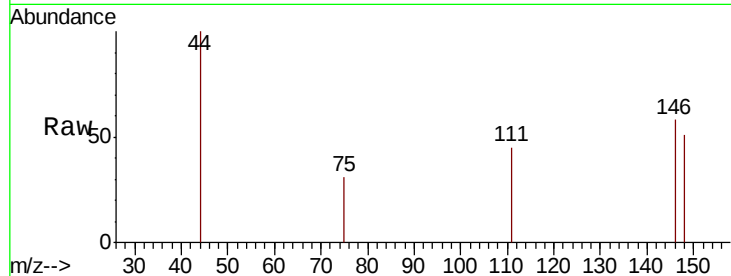




#60
 1,2,3-Trichloropropane
 Concen: 0.027 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.92 min
 Lab File: VU036703.D
 Acq: 10 Feb 2020 11:20

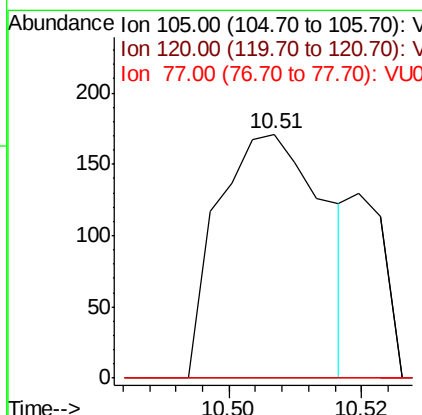
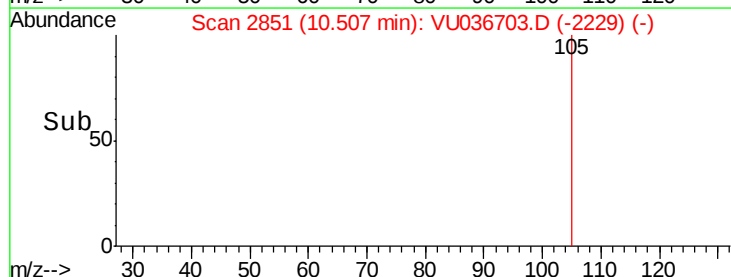
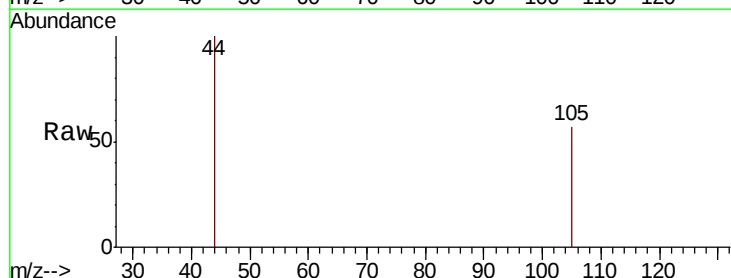
Instrument :
 MSVOA_U
 ClientSampleId :

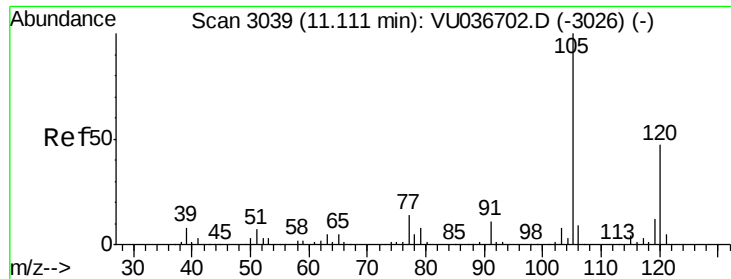
Tot Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 77 59.1 26.1 39.1#
 110 0.0 26.9 40.3#



#61
 Isopropylbenzene
 Concen: 0.025 ug/L
 RT: 10.51 min Scan# 2851
 Delta R.T. -0.00 min
 Lab File: VU036703.D
 Acq: 10 Feb 2020 11:20

Tgt Ion: 105 Resp: 191
 Ion Ratio Lower Upper
 105 100
 120 0.0 20.2 30.4#
 77 0.0 13.0 19.6#

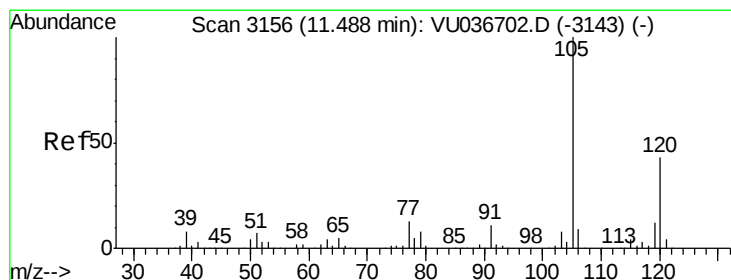
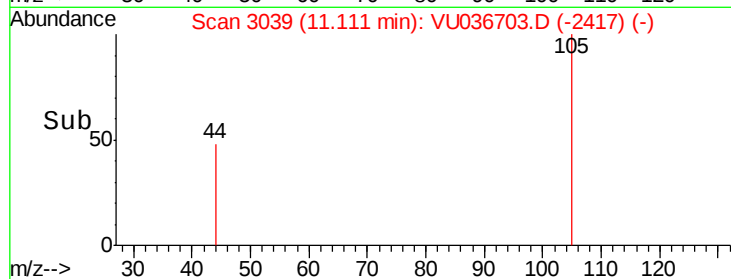
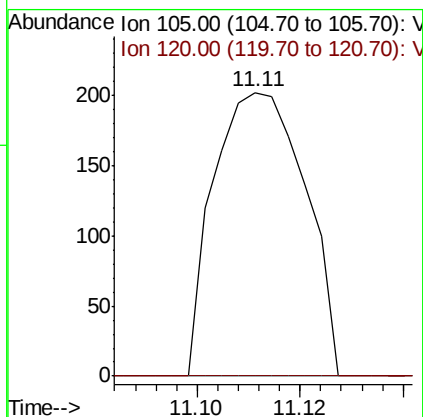
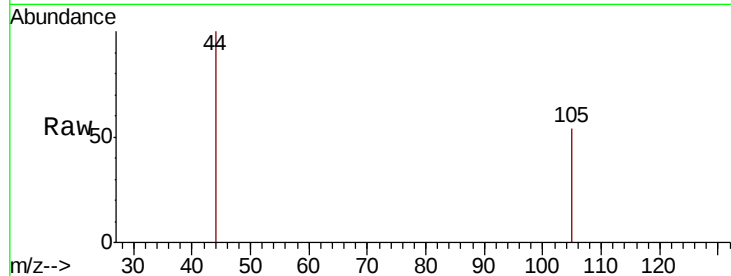




#62
 1,3,5-Trimethylbenzene
 Concen: 0.038 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. -0.00 min
 Lab File: VU036703.D
 Acq: 10 Feb 2020 11:20

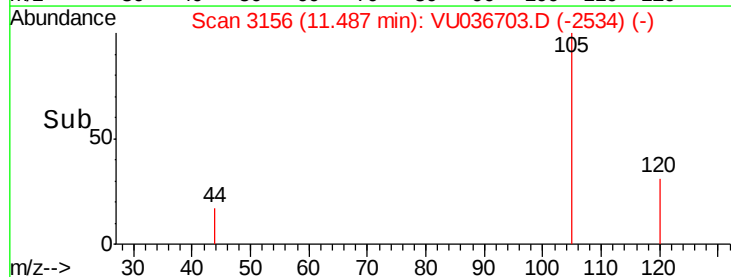
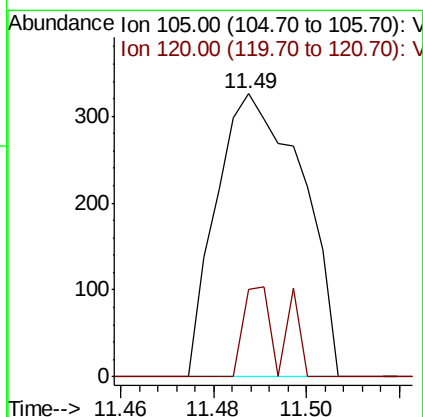
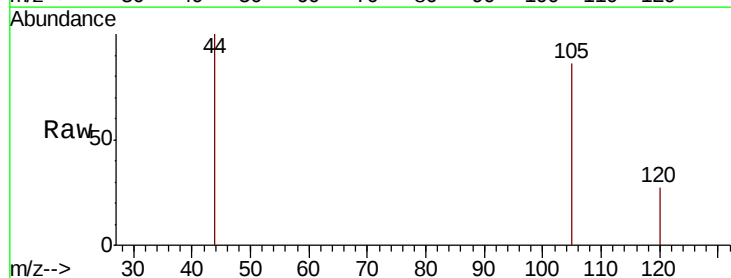
Instrument :
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 ClientSampleId :

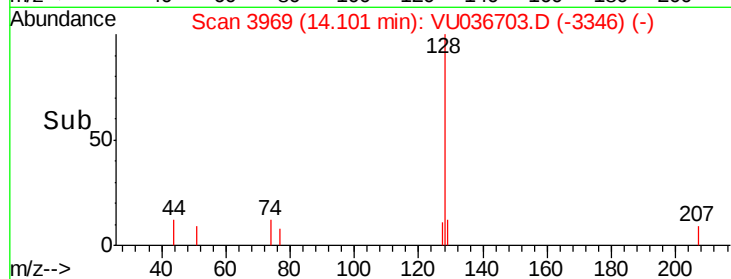
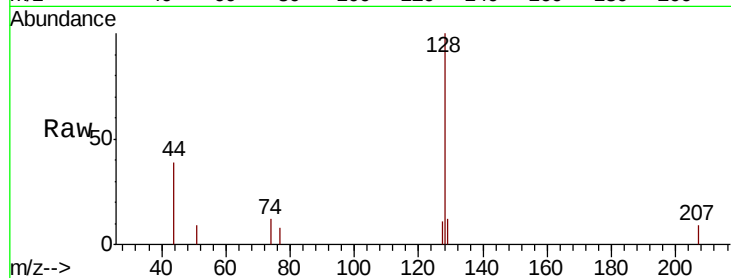
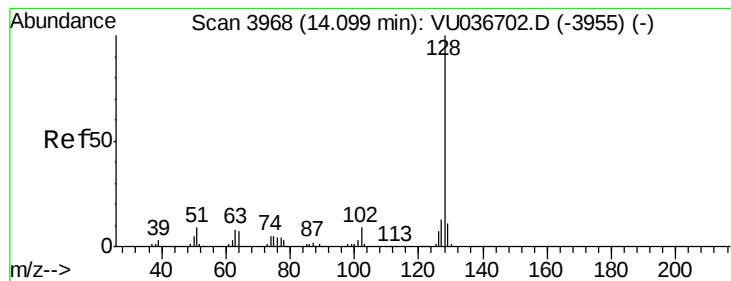
Tot Ion:105 Resp: 248
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.1 55.7#



#63
 1,2,4-Trimethylbenzene
 Concen: 0.064 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU036703.D
 Acq: 10 Feb 2020 11:20

Tgt Ion:105 Resp: 419
 Ion Ratio Lower Upper
 105 100
 120 9.3 34.7 52.1#





#71

Naphthalene

Concen: 0.389 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036703.D

Acq: 10 Feb 2020 11:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 2551

Ion Ratio Lower Upper

128 100

127 7.1 10.6 16.0#

129 10.5 8.5 12.7

