

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060820\
 Data File : VU038663.D
 Acq On : 08 Jun 2020 12:24
 Operator : SY/MD
 Sample : L2911-05RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 09 00:48:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 09 00:46:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	320964	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	316400	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158266	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	117026	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	1.93	69	90200	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.59	63	172097	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.68	46	371550	58.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.76%
24) Chloroform-d	5.10	84	211103	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.74	65	122787	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.76	84	444054	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.72	67	136236	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.92	98	393120	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
43) trans-1,3-Dichloropropene-	8.20	79	55983	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.65	63	309188	59.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.88%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110065	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	154897	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	1330	0.067	ug/L #	1
13) Acetone	2.67	43	10382	2.514	ug/L	69
27) 1,2-Dichloroethane	5.83	62	19596	0.719	ug/L	96
30) Cyclohexane	5.42	56	29522	0.841	ug/L	98
33) Benzene	5.81	78	300149	3.402	ug/L	100
35) Methylcyclohexane	6.77	83	18513	0.522	ug/L #	54
39) cis-1,3-Dichloropropene	7.59	75	4384	0.134	ug/L #	65
42) Toluene	7.99	91	10009	0.108	ug/L	95
45) 1,1,2-Trichloroethane	8.39	97	15697	0.937	ug/L #	20
48) 2-Hexanone	8.71	43	17941	1.492	ug/L #	93
52) Ethylbenzene	9.59	91	27773	0.270	ug/L	99
56) Isopropylbenzene	10.50	105	32066	0.321	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.82	83	2745	0.129	ug/L #	41
59) 1,2,3-Trichloropropane	11.65	75	3994	0.241	ug/L #	1
69) Naphthalene	14.09	128	8806	0.138	ug/L #	16

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 09 00:46:08 2020
Response via : Initial Calibration

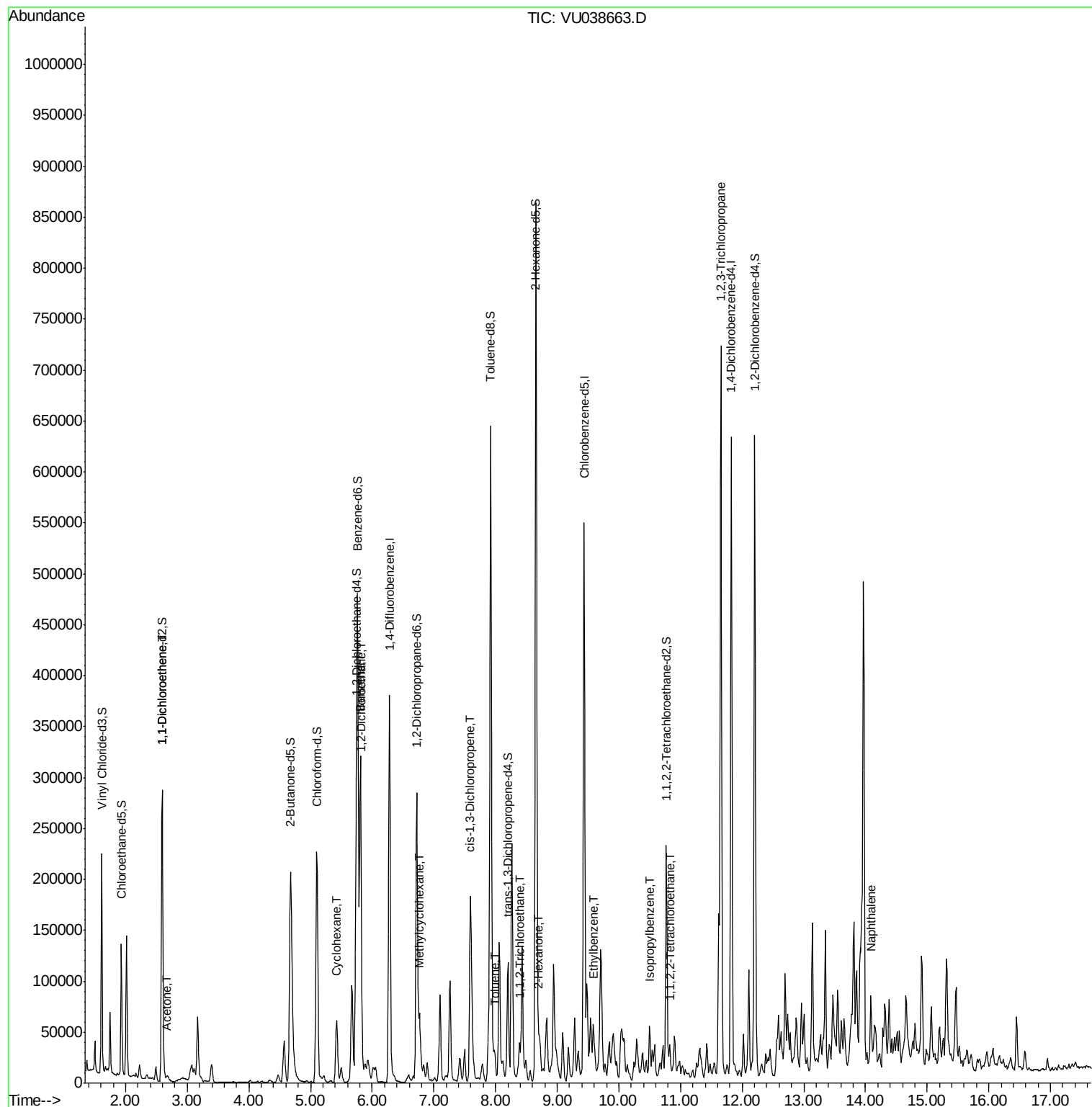
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

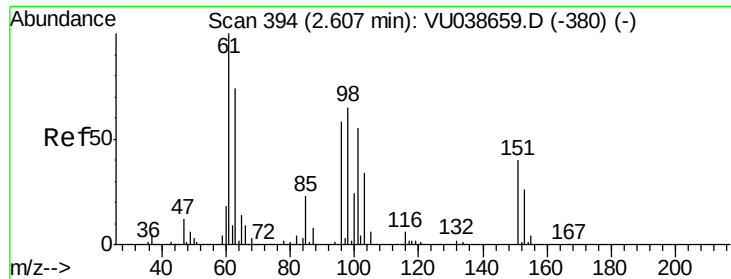
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

Instrument :
MSVOA_U
ClientSampled :

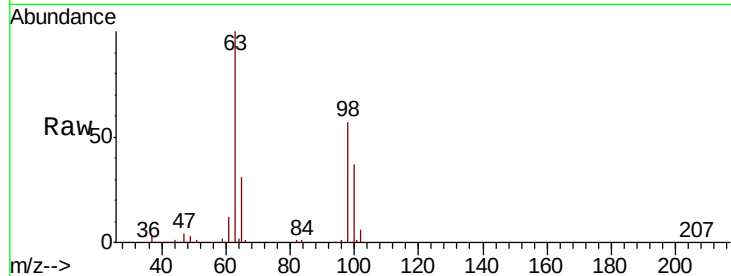
Tot Ion: 96 Resp: 1330

Ion Ratio Lower Upper

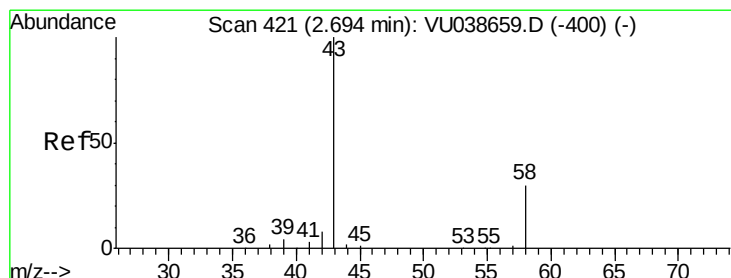
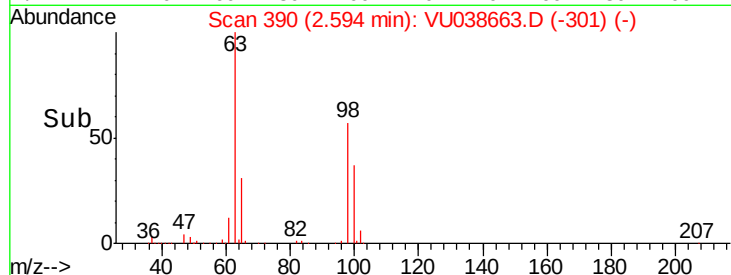
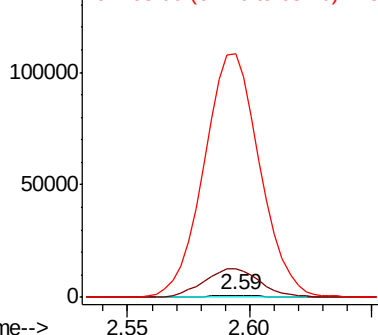
96 100

61 1383.6 119.9 222.7#

63 11904.1 89.9 167.0#



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: 2.514 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038663.D

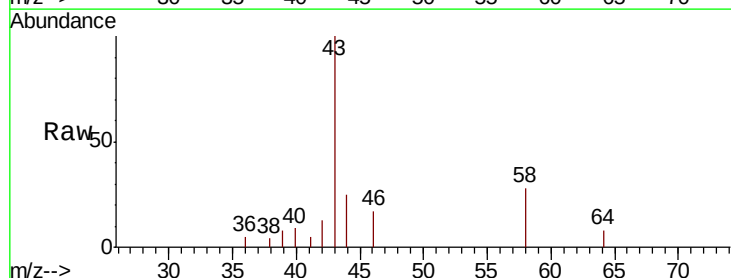
Acq: 08 Jun 2020 12:24

Tgt Ion: 43 Resp: 10382

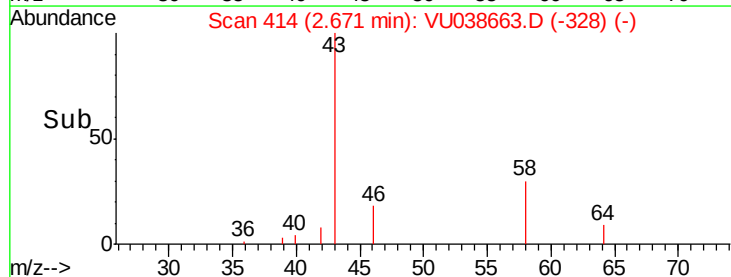
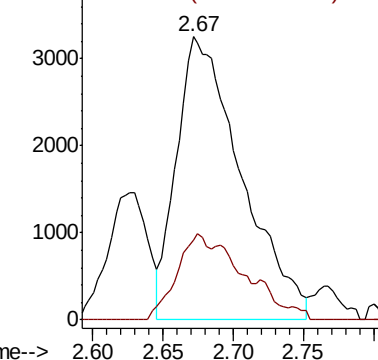
Ion Ratio Lower Upper

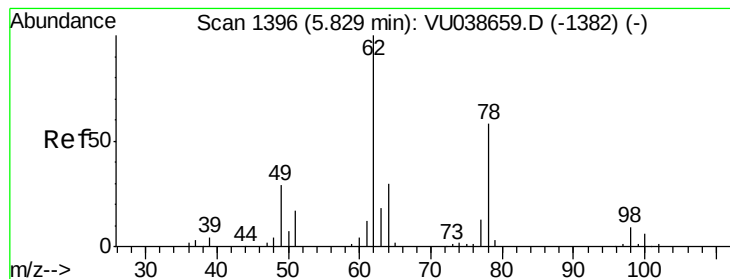
43 100

58 15.3 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#27

1,2-Dichloroethane

Concen: 0.719 ug/L

RT: 5.83 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

Instrument :

MSVOA_U

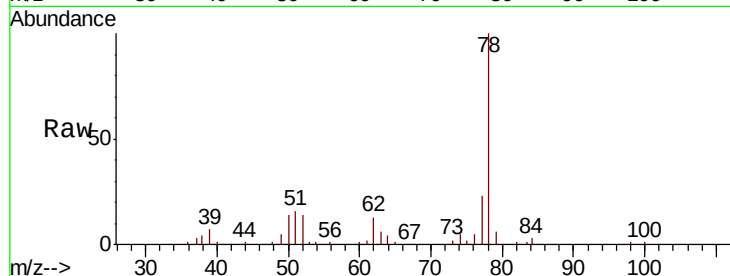
ClientSampleId :

Tot Ion: 62 Resp: 19596

Ion Ratio Lower Upper

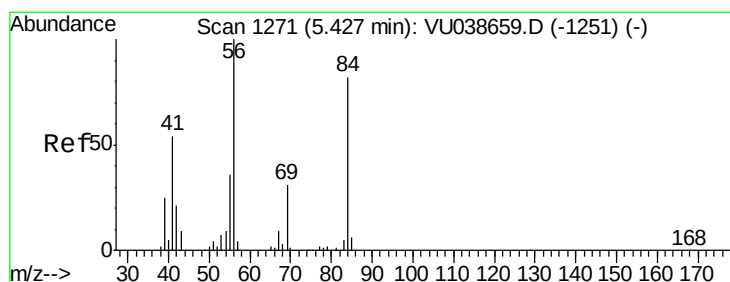
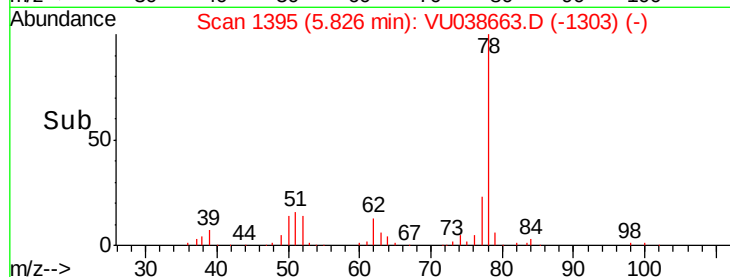
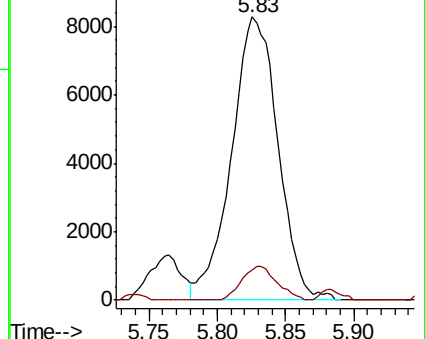
62 100

98 10.7 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VU038659.D (-1382) (-)

Ion 98.05 (97.75 to 98.75): VU038659.D (-1382) (-)



#30

Cyclohexane

Concen: 0.841 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

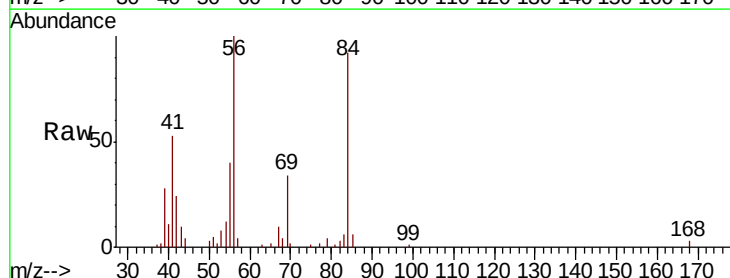
Tgt Ion: 56 Resp: 29522

Ion Ratio Lower Upper

56 100

69 32.0 24.2 36.4

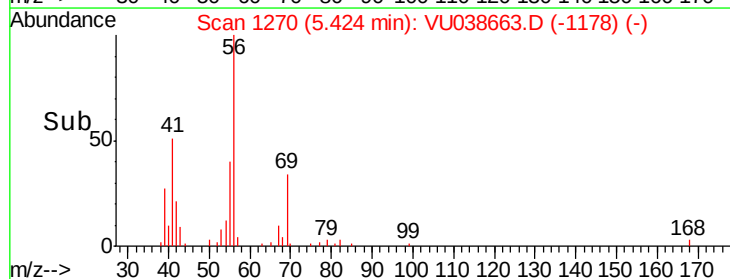
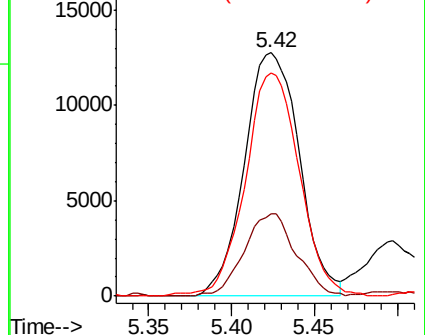
84 90.3 70.8 106.2

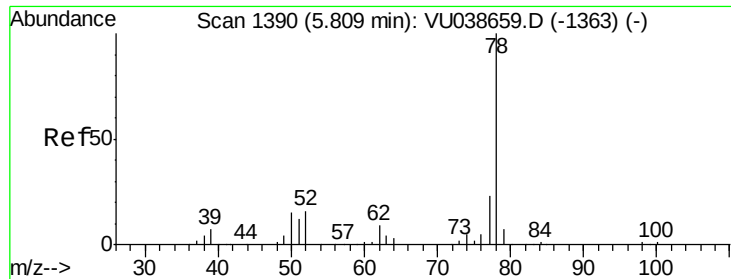


Abundance Ion 56.10 (55.80 to 56.80): VU038659.D (-1251) (-)

Ion 69.15 (68.85 to 69.85): VU038659.D (-1251) (-)

Ion 84.15 (83.85 to 84.85): VU038659.D (-1251) (-)





#33

Benzene

Concen: 3.402 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038663.D

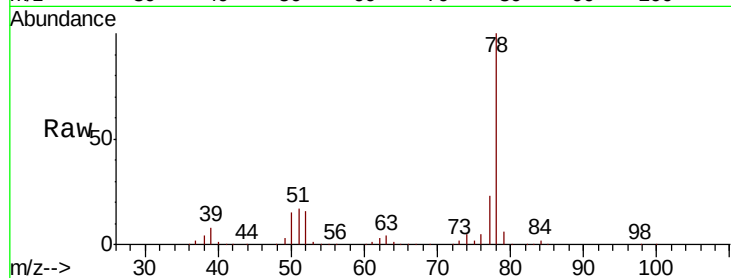
Acq: 08 Jun 2020 12:24

Instrument :

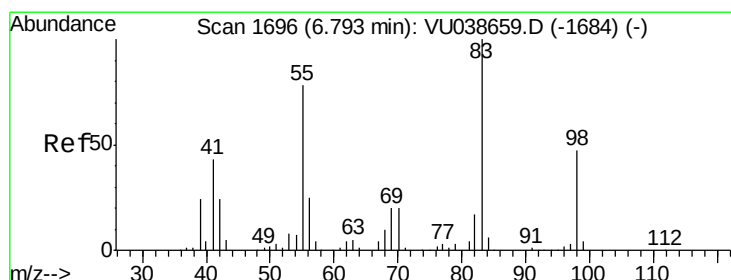
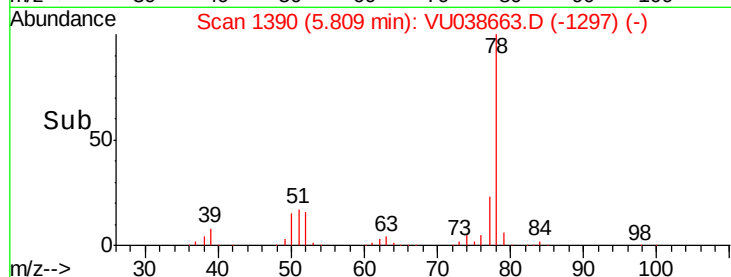
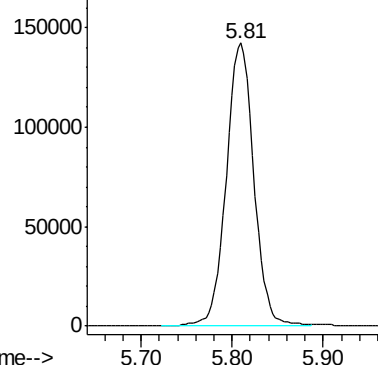
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 300149



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.522 ug/L

RT: 6.77 min Scan# 1688

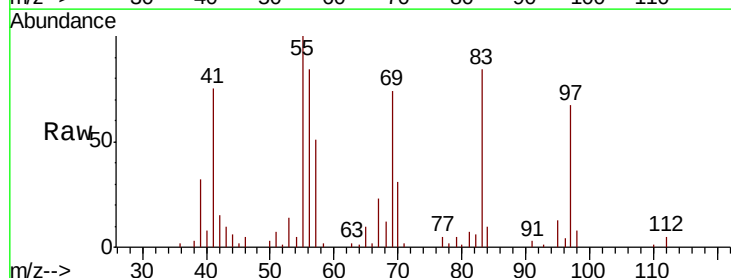
Delta R.T. -0.03 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

Tgt Ion: 83 Resp: 18513

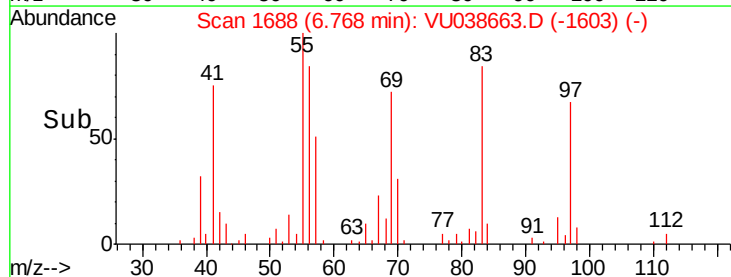
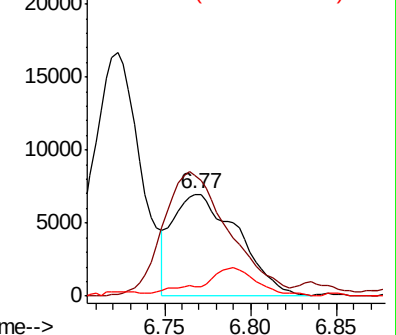
Ion	Ratio	Lower	Upper
83	100		
55	124.3	63.4	95.2#
98	23.7	39.0	58.4#

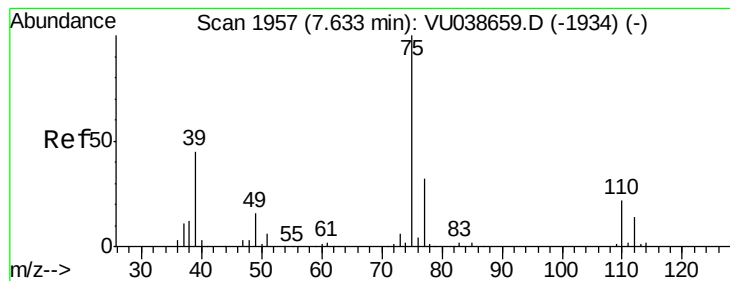


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



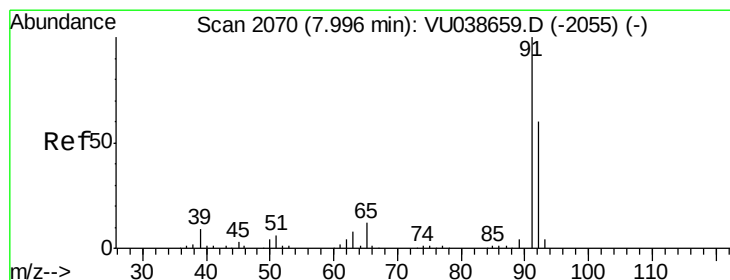
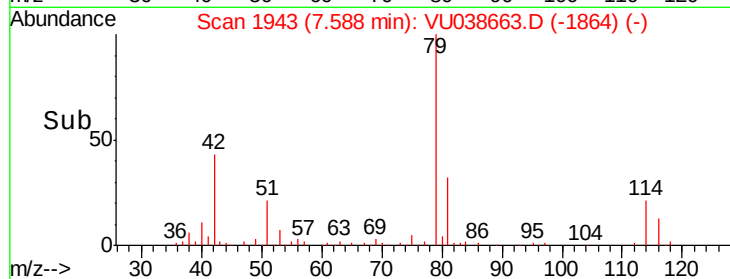
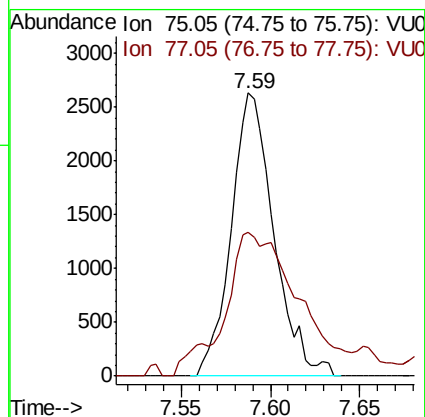
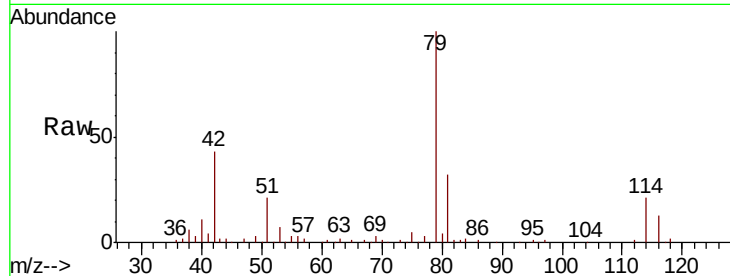


#39

cis-1,3-Dichloropropene
Concen: 0.134 ug/L
RT: 7.59 min Scan# 1943
Delta R.T. -0.05 min
Lab File: VU038663.D
Acq: 08 Jun 2020 12:24

Instrument :
MSVOA_U
ClientSampled :

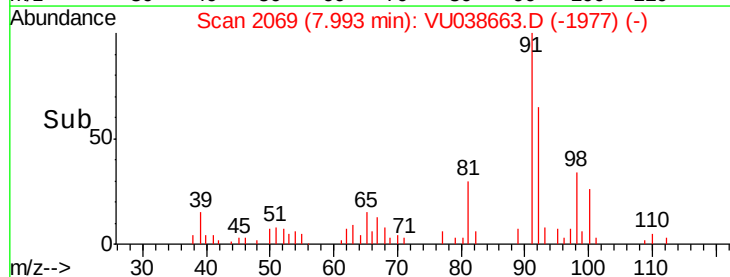
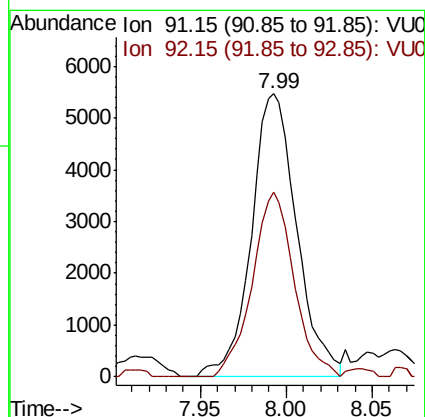
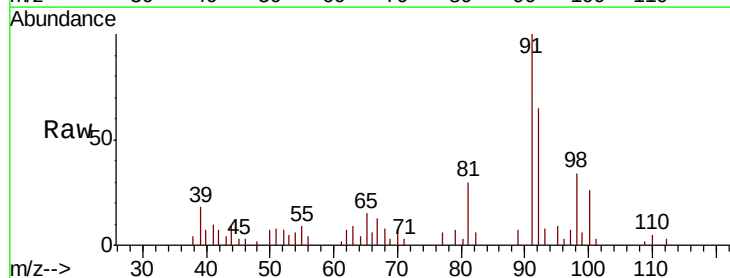
Tot Ion: 75 Resp: 4384
Ion Ratio Lower Upper
75 100
77 50.9 21.9 40.7#

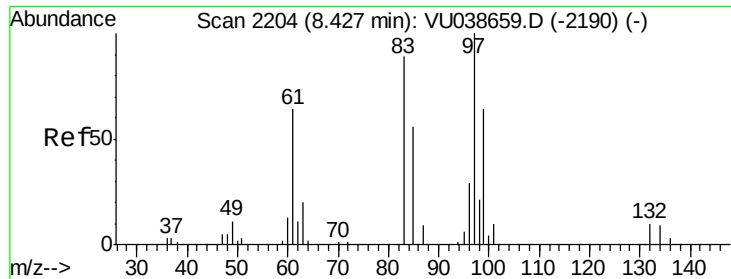


#42

Toluene
Concen: 0.108 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU038663.D
Acq: 08 Jun 2020 12:24

Tgt Ion: 91 Resp: 10009
Ion Ratio Lower Upper
91 100
92 65.2 43.0 79.8

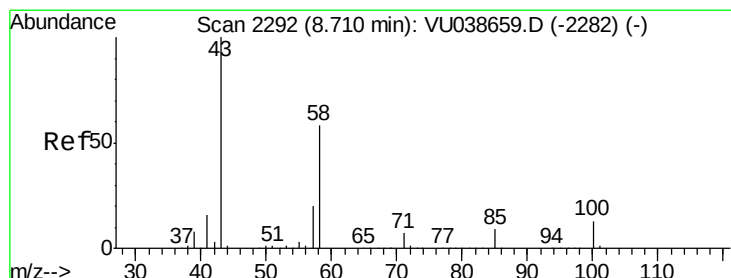
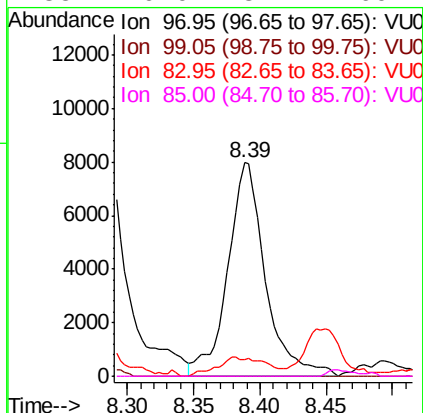
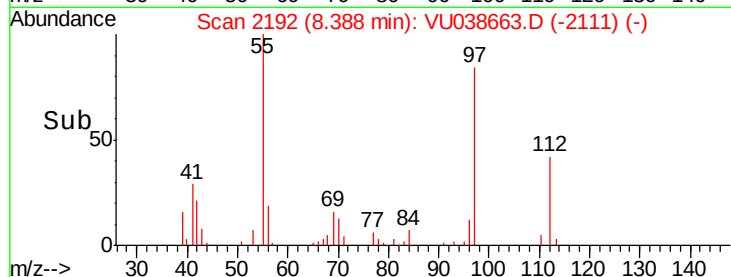
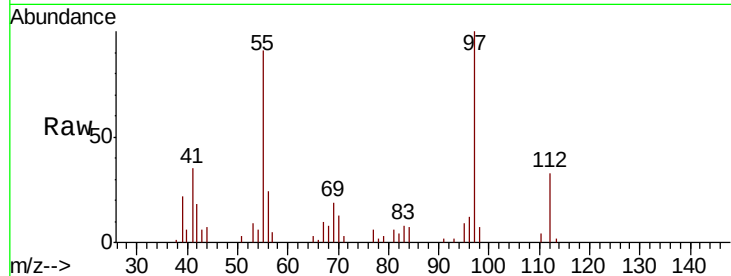




#45
 1,1,2-Trichloroethane
 Concen: 0.937 ug/L
 RT: 8.39 min Scan# 2192
 Delta R.T. -0.04 min
 Lab File: VU038663.D
 Acq: 08 Jun 2020 12:24

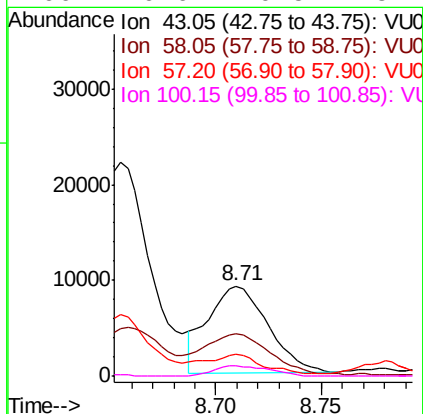
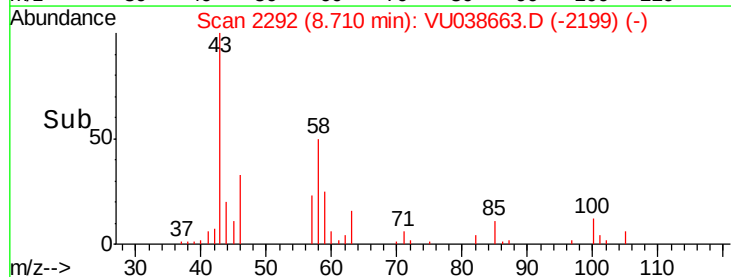
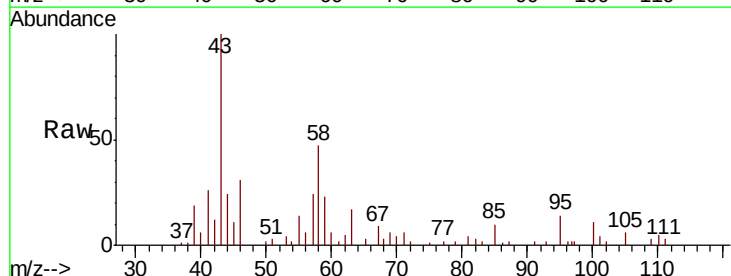
Instrument :
 MSVOA_U
 ClientSampleId :

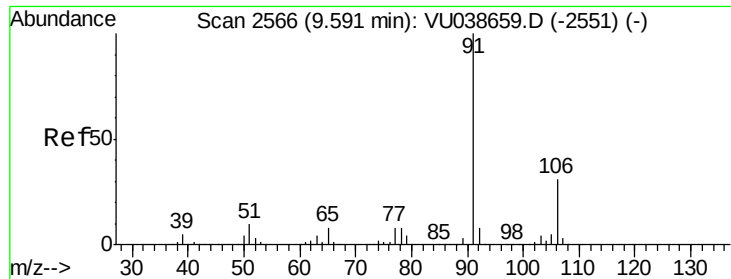
Tot Ion: 97 Resp: 15697
 Ion Ratio Lower Upper
 97 100
 99 0.0 42.1 78.1#
 83 7.9 58.8 109.2#
 85 0.0 37.4 69.4#



#48
 2-Hexanone
 Concen: 1.492 ug/L
 RT: 8.71 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: VU038663.D
 Acq: 08 Jun 2020 12:24

Tgt Ion: 43 Resp: 17941
 Ion Ratio Lower Upper
 43 100
 58 53.0 45.4 68.0
 57 25.7 15.9 23.9#
 100 10.6 10.5 15.7





#52

Ethylbenzene

Concen: 0.270 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

Instrument :

MSVOA_U

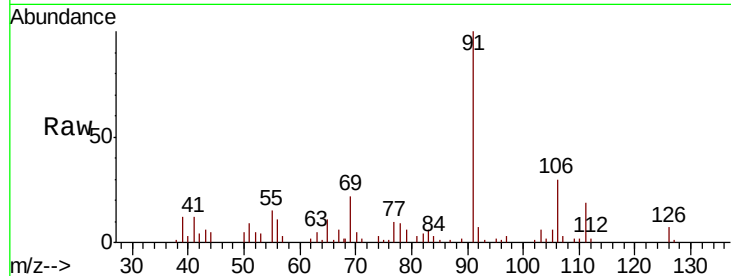
ClientSampleId :

Tot Ion: 91 Resp: 27773

Ion Ratio Lower Upper

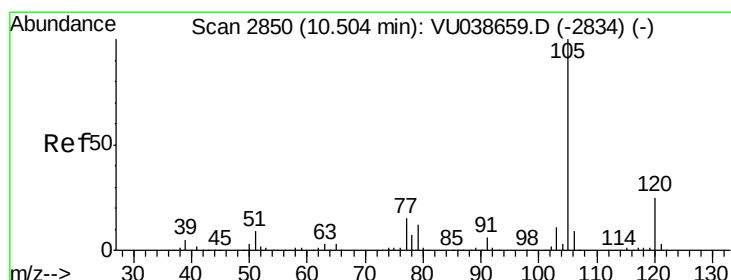
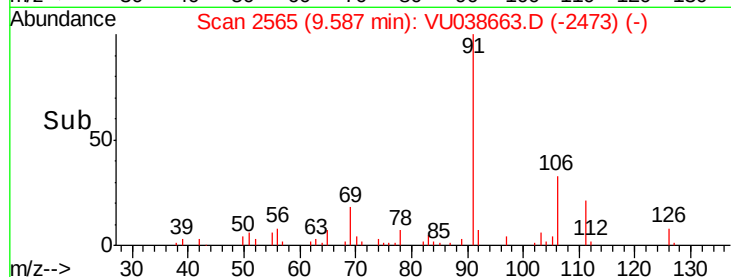
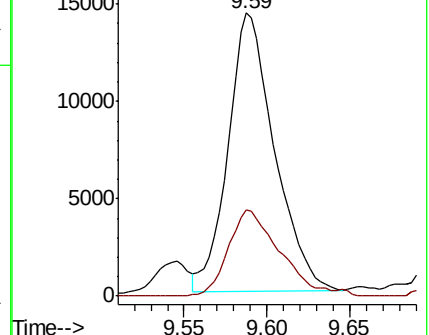
91 100

106 30.5 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038659.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU038659.D (-2551) (-)



#56

Isopropylbenzene

Concen: 0.321 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

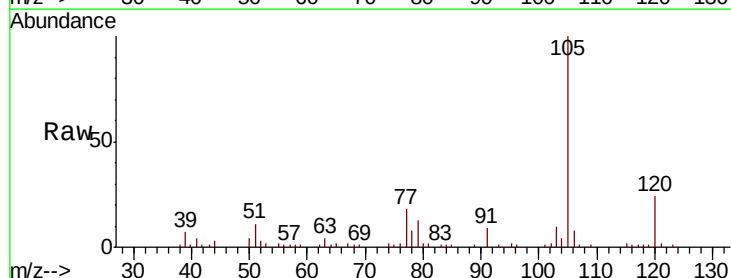
Tgt Ion: 105 Resp: 32066

Ion Ratio Lower Upper

105 100

120 25.0 20.7 31.1

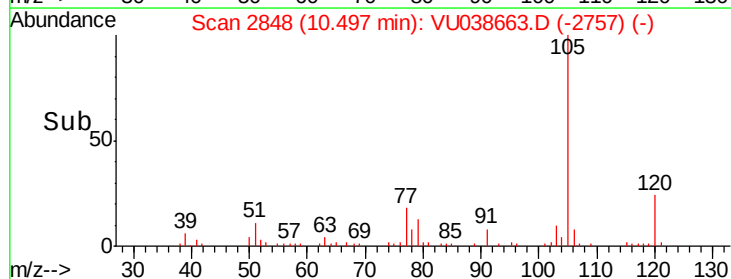
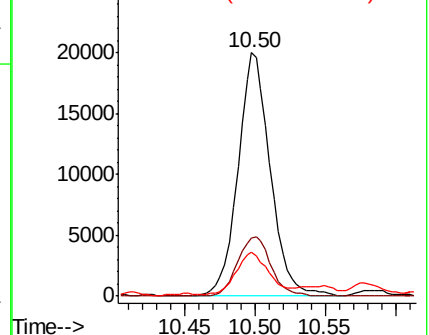
77 17.4 12.5 18.7

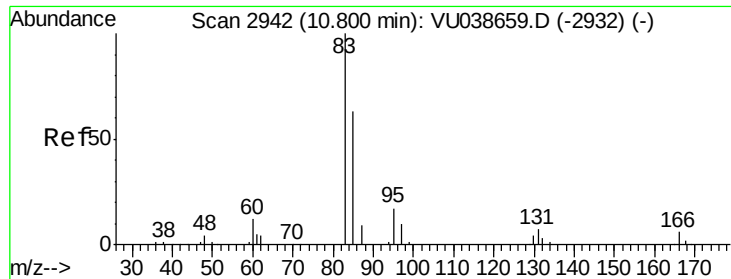


Abundance Ion 105.05 (104.75 to 105.75): VU038659.D (-2834) (-)

Ion 120.10 (119.80 to 120.80): VU038659.D (-2834) (-)

Ion 77.10 (76.80 to 77.80): VU038659.D (-2834) (-)





#58

1,1,2,2-Tetrachloroethane

Concen: 0.129 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.02 min

Lab File: VU038663.D

Acq: 08 Jun 2020 12:24

Instrument :

MSVOA_U

ClientSampleId :

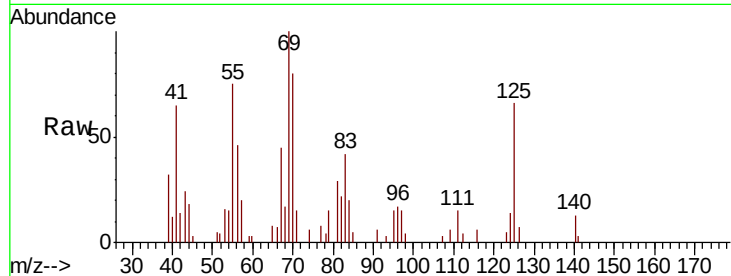
Tot Ion: 83 Resp: 2745

Ion Ratio Lower Upper

83 100

85 12.9 44.2 82.0#

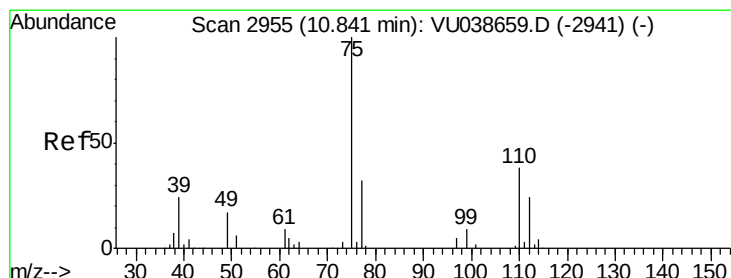
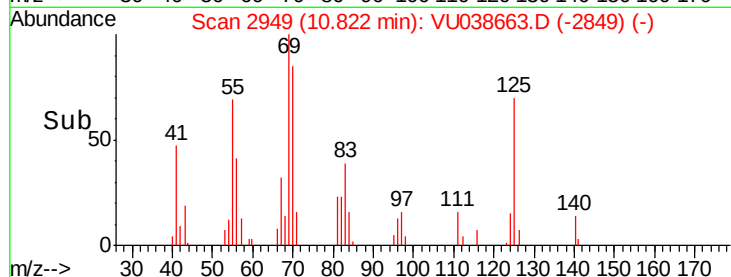
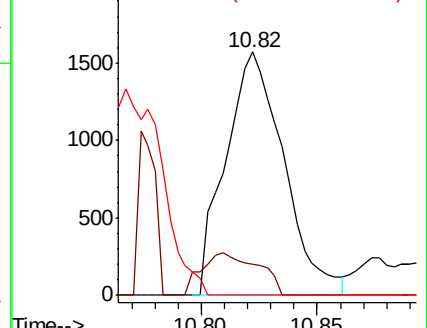
131 0.0 8.1 12.1#



Abundance Ion 82.95 (82.65 to 83.65): VU038659.D (-2932) (-)

Ion 85.00 (84.70 to 85.70): VU038659.D (-2932) (-)

Ion 130.95 (130.65 to 131.65): VU038659.D (-2932) (-)



#59

1,2,3-Trichloropropane

Concen: 0.241 ug/L

RT: 11.65 min Scan# 3208

Delta R.T. 0.81 min

Lab File: VU038663.D

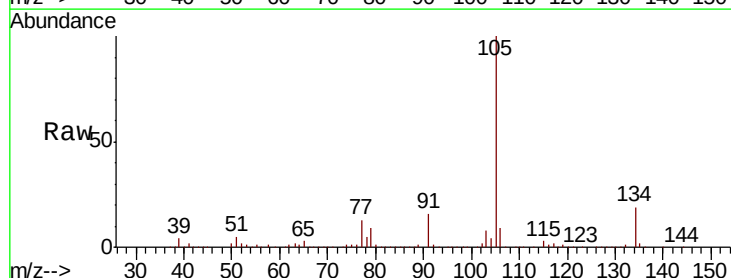
Acq: 08 Jun 2020 12:24

Tgt Ion: 75 Resp: 3994

Ion Ratio Lower Upper

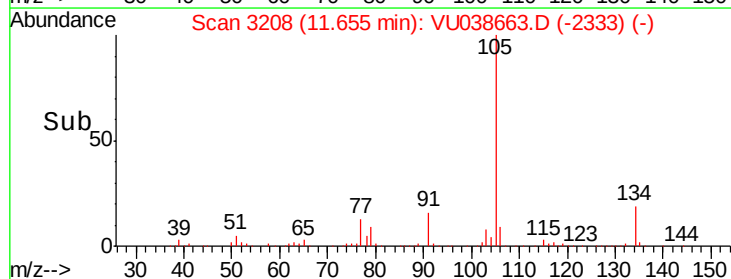
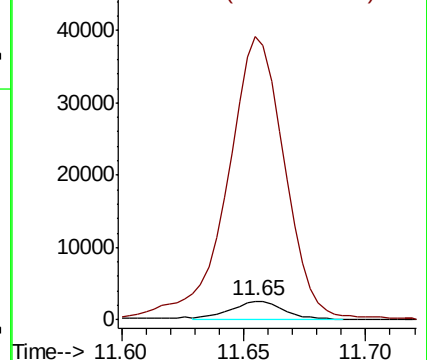
75 100

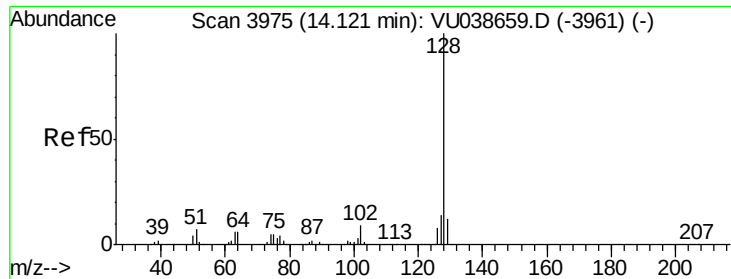
77 1605.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU038659.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU038659.D (-2941) (-)





#69
 Naphthalene
 Concen: 0.138 ug/L
 RT: 14.09 min Scan# 3965
 Delta R.T. -0.03 min
 Lab File: VU038663.D
 Acq: 08 Jun 2020 12:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:128 Resp: 8806
 Ion Ratio Lower Upper
 128 100
 129 50.2 8.9 13.3#
 127 39.3 10.2 15.4#

