

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040167.D
 Acq On : 16 Sep 2020 23:28
 Operator : SY/MD
 Sample : L4046-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0P3

Quant Time: Sep 17 02:09:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	111651	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	110093	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48001	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28010	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.92	69	27003	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	48380	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.66	46	121449	49.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.62%
24) Chloroform-d	5.09	84	63965	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.72	65	41612	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.75	84	120992	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	40121	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.91	98	97874	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	8.19	79	16065	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.64	63	83123	45.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35174	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	39479	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

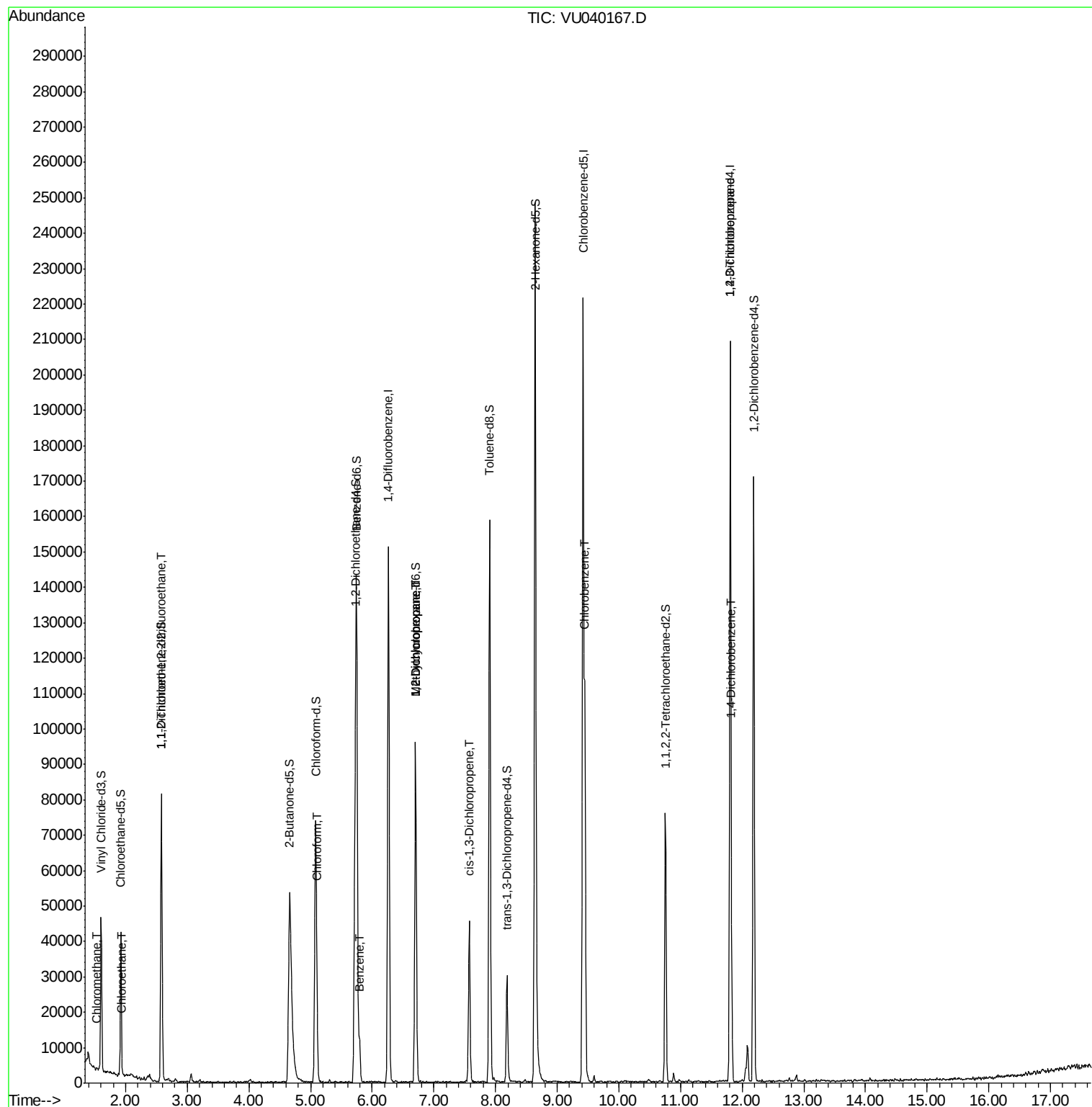
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	472	0.044	ug/L	88
8) Chloroethane	1.95	64	274	0.042	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	461	0.046	ug/L #	22
25) Chloroform	5.11	83	2048	0.105	ug/L	80
33) Benzene	5.79	78	10199	0.259	ug/L	100
35) Methylcyclohexane	6.70	83	9998	0.618	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5133	0.481	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1383	0.088	ug/L	88
51) Chlorobenzene	9.45	112	50565	2.008	ug/L	94
59) 1,2,3-Trichloropropane	11.81	75	8490	1.075	ug/L	91
63) 1,4-Dichlorobenzene	11.83	146	5704	0.321	ug/L	92

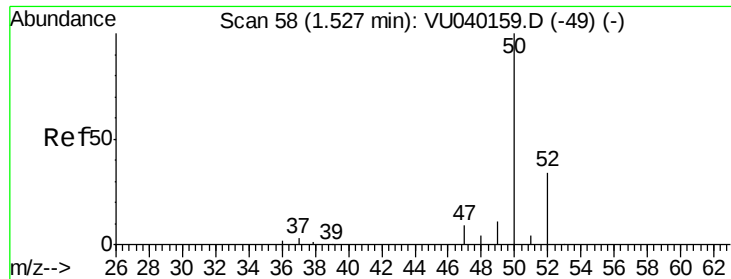
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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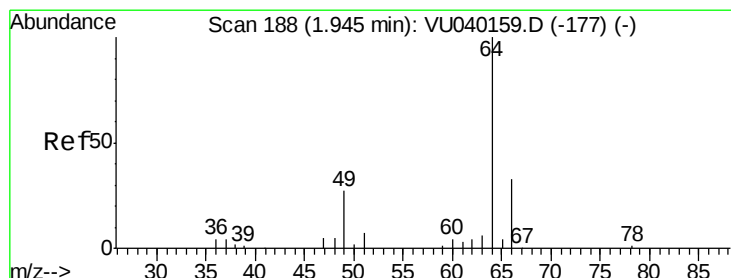
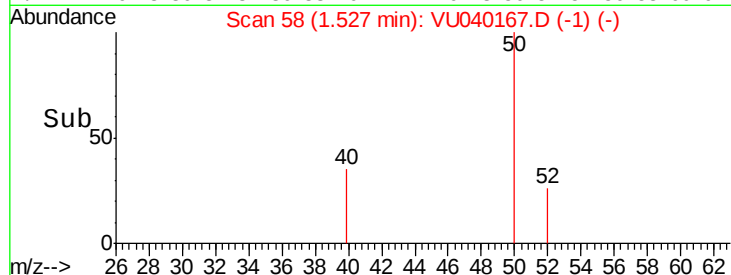
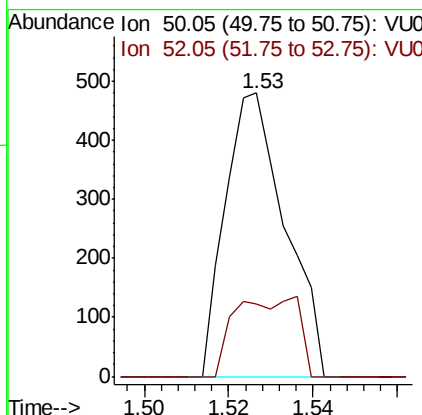
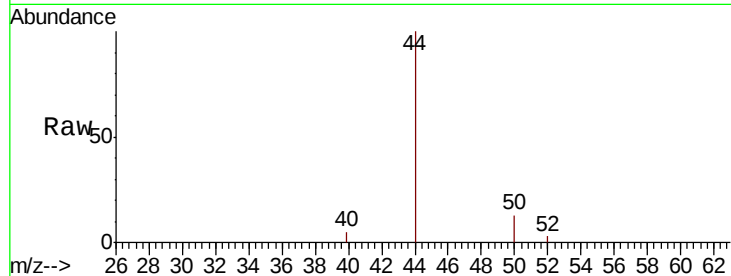




#3
 Chloromethane
 Concen: 0.044 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. -0.00 min
 Lab File: VU040167.D
 Acq: 16 Sep 2020 23:28

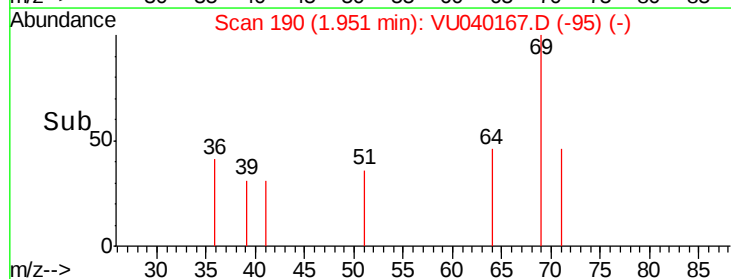
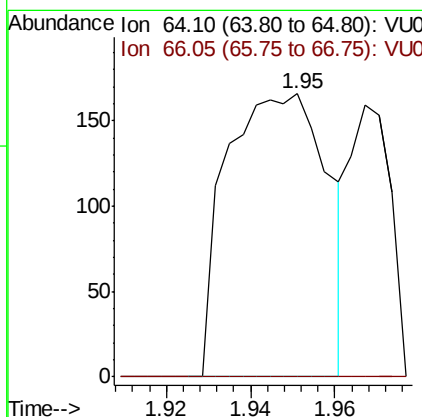
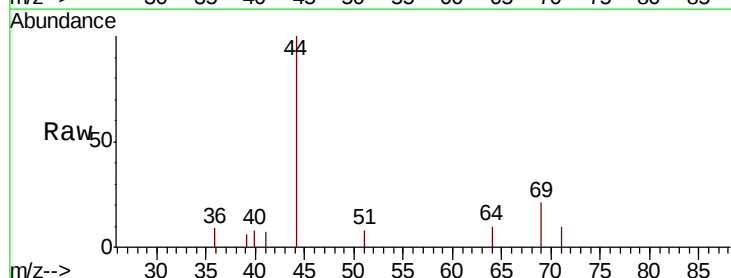
Instrument :
 MSVOA_U
 ClientSampled :
 BG0P3

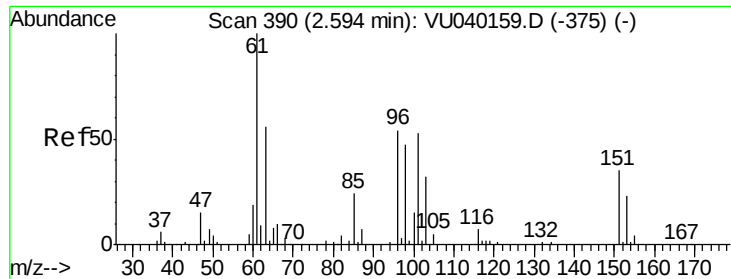
Tot Ion: 50 Resp: 472
 Ion Ratio Lower Upper
 50 100
 52 25.6 22.8 42.4



#8
 Chloroethane
 Concen: 0.042 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VU040167.D
 Acq: 16 Sep 2020 23:28

Tgt Ion: 64 Resp: 274
 Ion Ratio Lower Upper
 64 100
 66 0.0 22.7 42.1#





#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040167.D

Acq: 16 Sep 2020 23:28

Instrument :

MSVOA_U

ClientSampled :

BG0P3

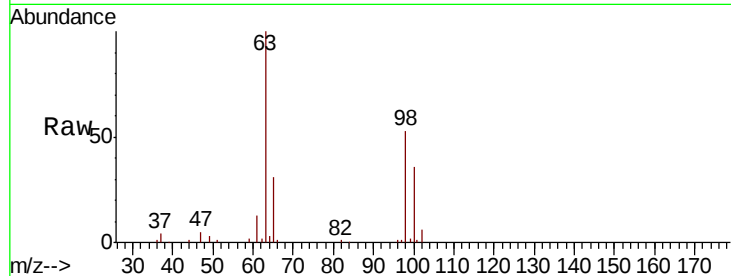
Tot Ion:101 Resp: 461

Ion Ratio Lower Upper

101 100

85 0.0 37.7 56.5#

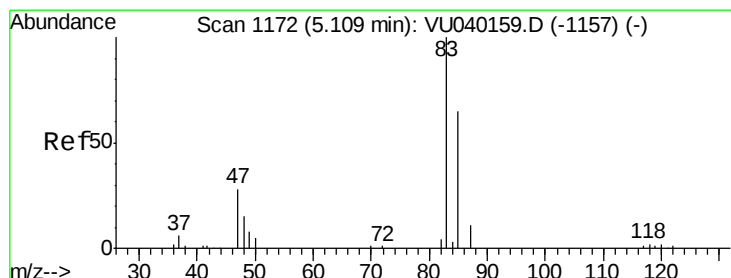
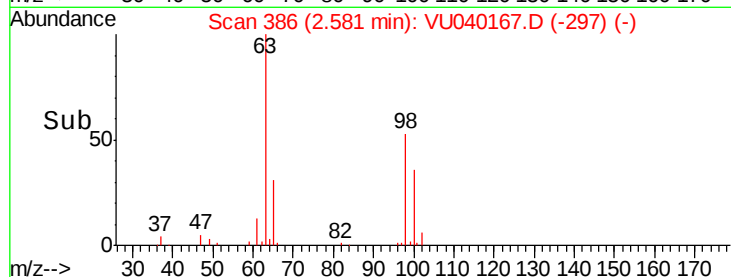
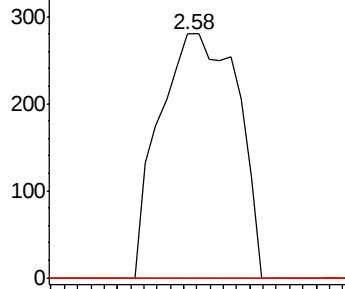
151 0.0 53.9 80.9#



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



#25

Chloroform

Concen: 0.105 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU040167.D

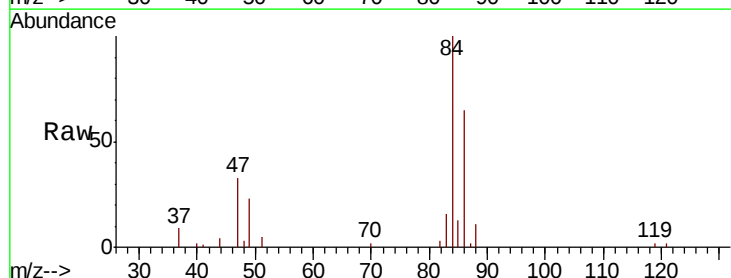
Acq: 16 Sep 2020 23:28

Tgt Ion: 83 Resp: 2048

Ion Ratio Lower Upper

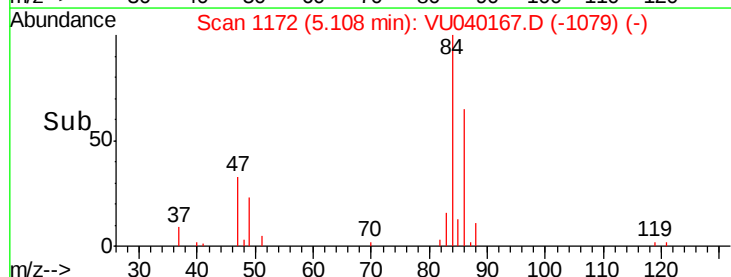
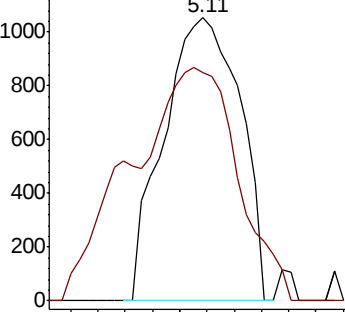
83 100

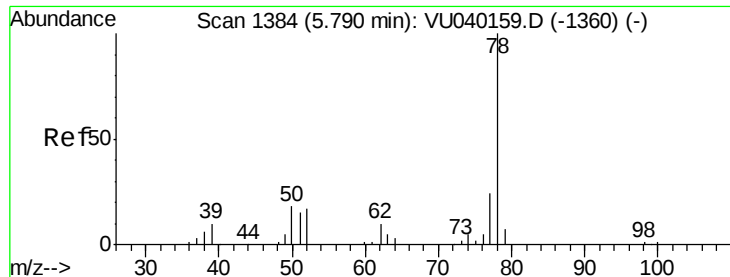
85 80.7 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.259 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VU040167.D

Acq: 16 Sep 2020 23:28

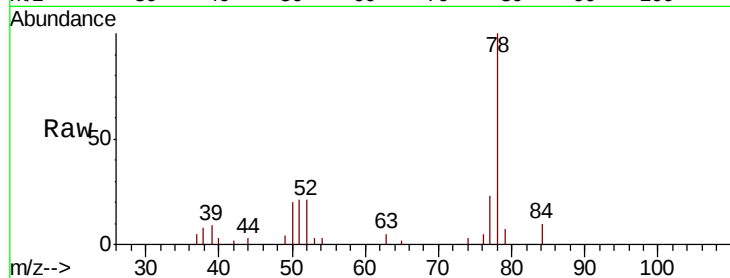
Instrument :

MSVOA_U

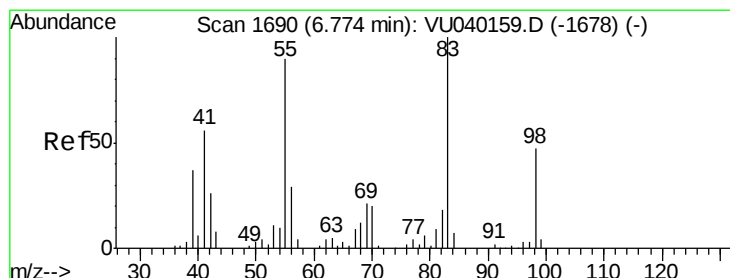
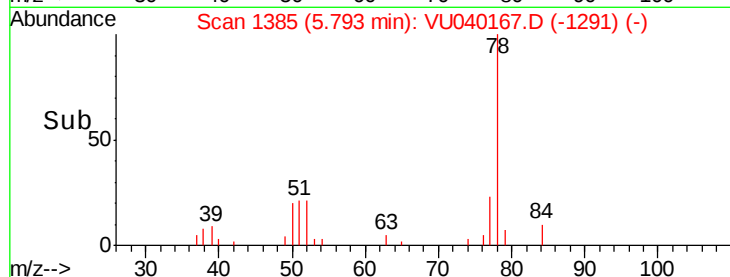
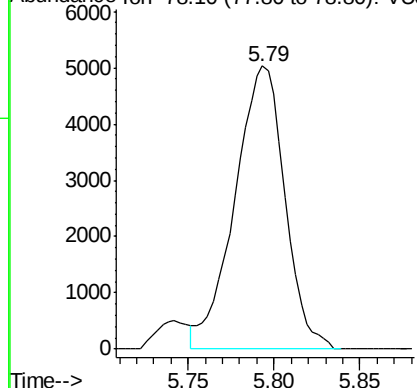
ClientSampleId :

BG0P3

Tgt Ion: 78 Resp: 10199



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.618 ug/L

RT: 6.70 min Scan# 1668

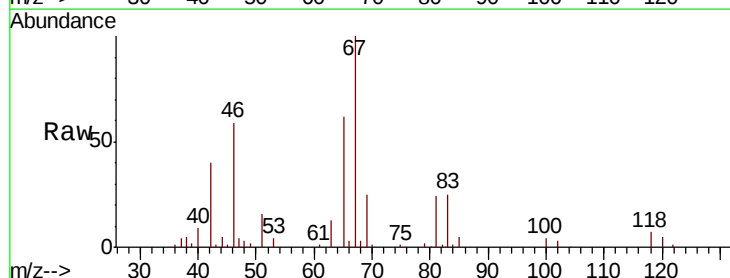
Delta R.T. -0.07 min

Lab File: VU040167.D

Acq: 16 Sep 2020 23:28

Tgt Ion: 83 Resp: 9998

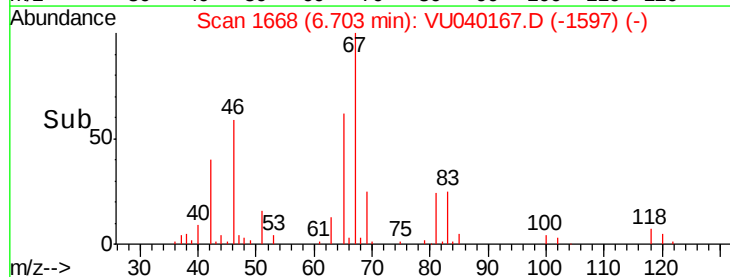
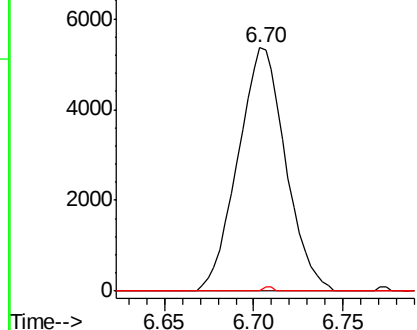
Ion	Ratio	Lower	Upper
83	100		
55	0.0	70.5	105.7#
98	0.4	37.8	56.6#

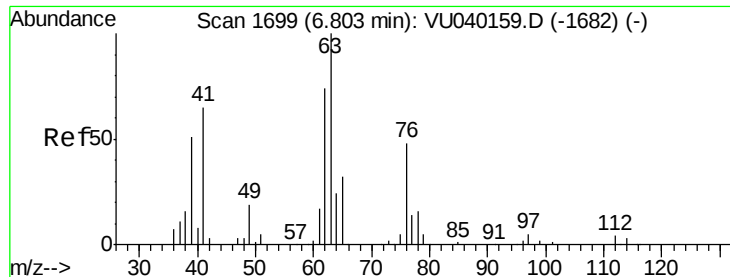


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

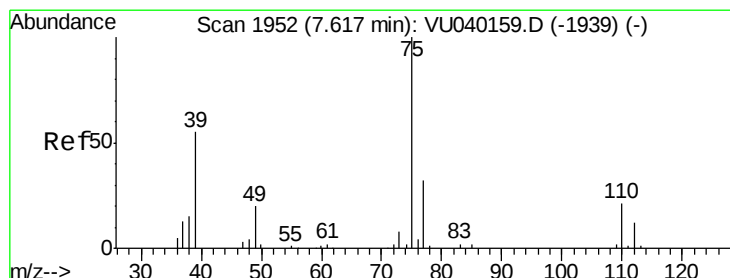
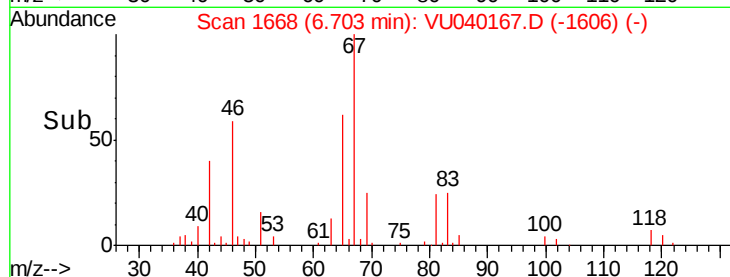
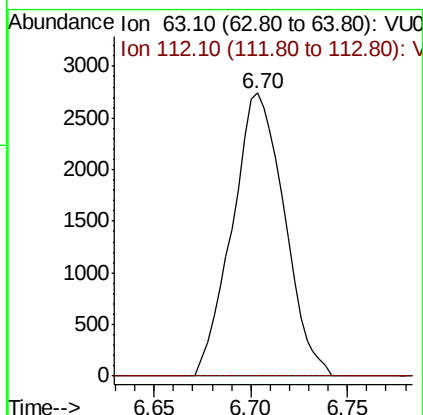
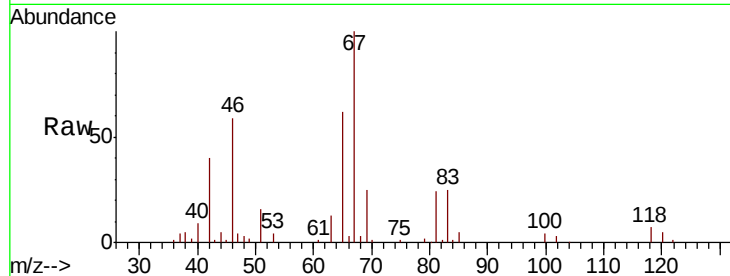




#37
 1,2-Dichloropropane
 Concen: 0.481 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040167.D
 Acq: 16 Sep 2020 23:28

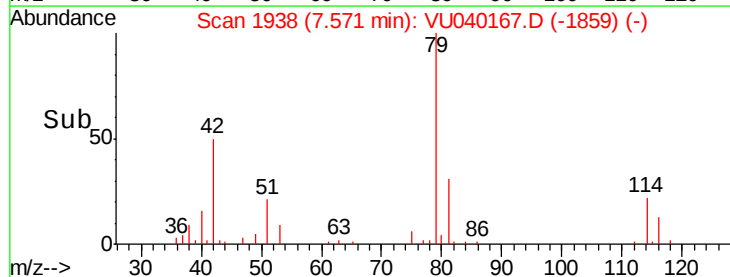
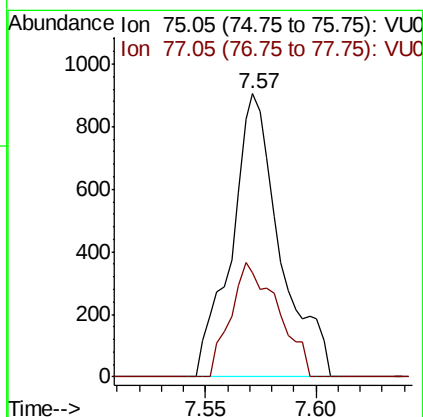
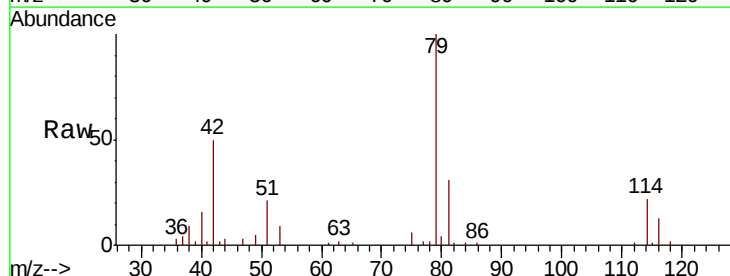
Instrument :
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 BG0P3

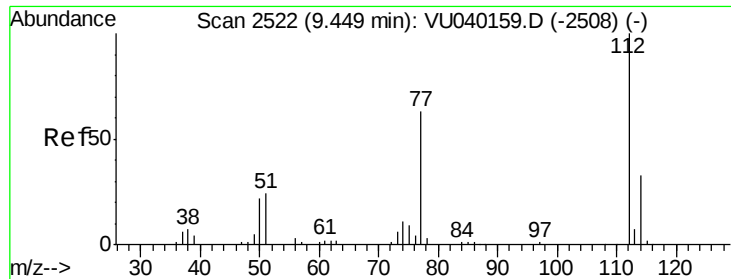
Tot Ion: 63 Resp: 5133
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.05 min
 Lab File: VU040167.D
 Acq: 16 Sep 2020 23:28

Tgt Ion: 75 Resp: 1383
 Ion Ratio Lower Upper
 75 100
 77 36.9 21.1 39.3

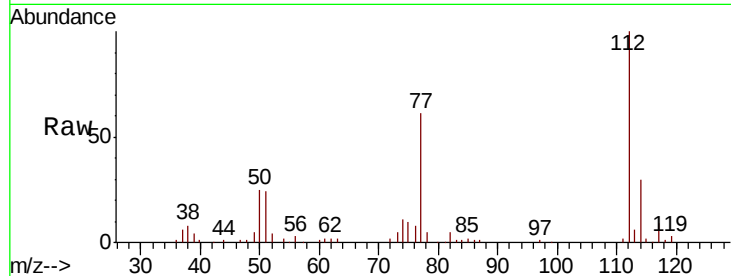




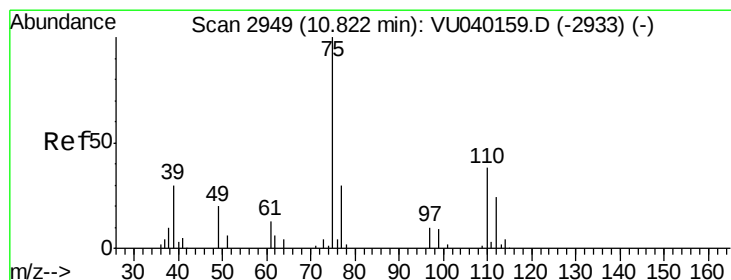
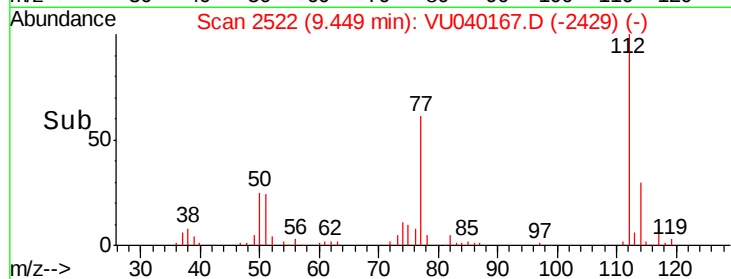
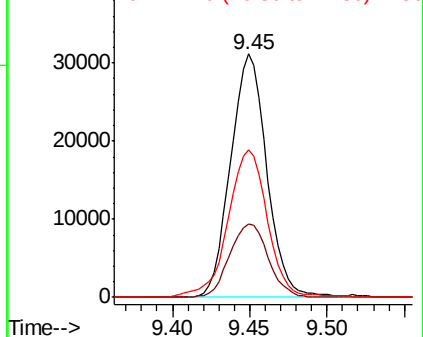
#51
Chlorobenzene
Concen: 2.008 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040167.D
Acq: 16 Sep 2020 23:28

Instrument :
MSVOA_U
ClientSampled :
BG0P3

Tot Ion:112 Resp: 50565
Ion Ratio Lower Upper
112 100
114 30.4 22.7 42.3
77 60.8 53.2 79.8

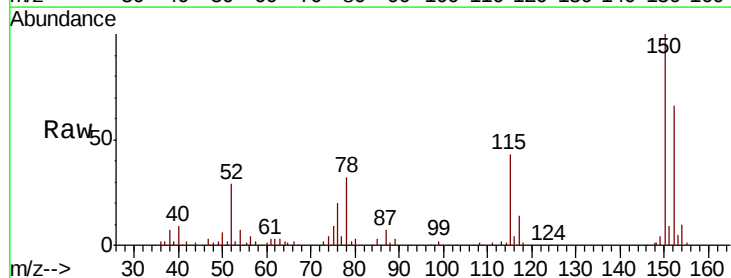


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

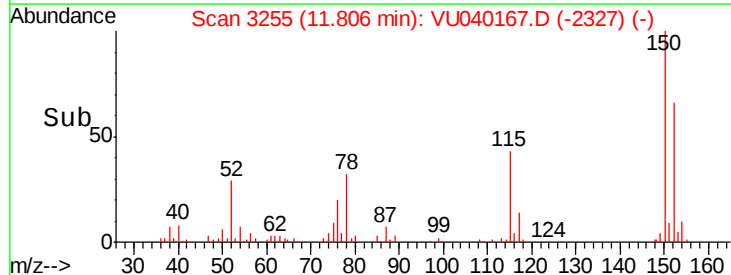
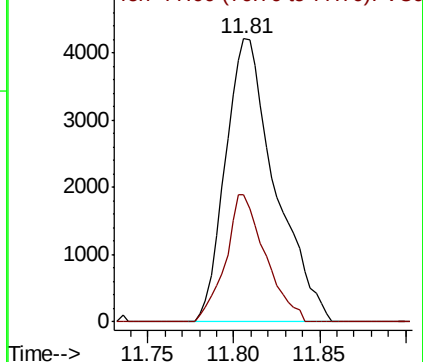


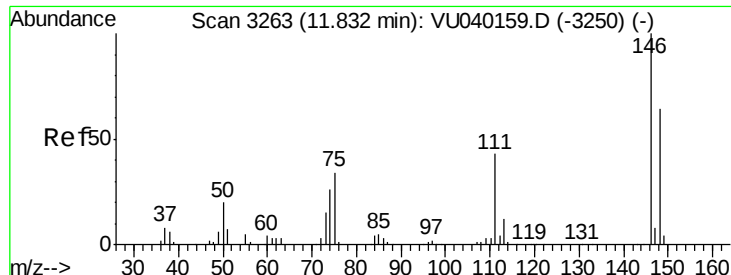
#59
1,2,3-Trichloropropane
Concen: 1.075 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040167.D
Acq: 16 Sep 2020 23:28

Tgt Ion: 75 Resp: 8490
Ion Ratio Lower Upper
75 100
77 36.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#63

1,4-Dichlorobenzene

Concen: 0.321 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040167.D

Acq: 16 Sep 2020 23:28

Instrument :

MSVOA_U

ClientSampleId :

BG0P3

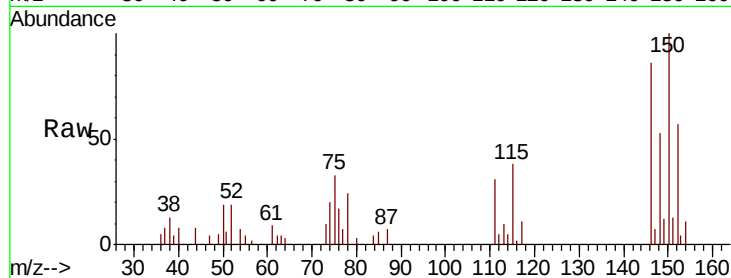
Tot Ion:146 Resp: 5704

Ion Ratio Lower Upper

146 100

111 35.6 30.5 56.7

148 61.3 45.4 84.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

