

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040666.D
 Acq On : 12 Oct 2020 18:06
 Operator : SY/MD
 Sample : L4345-16MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6MSD

Quant Time: Oct 13 04:43:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 13 04:32:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128747	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	129432	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55930	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41399	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.92	69	37400	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.58	63	94428	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.66	46	173862	50.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.86%
24) Chloroform-d	5.08	84	88150	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	53805	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	162226	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.70	67	56433	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.91	98	126256	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.19	79	22369	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	123877	48.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47314	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52818	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	920	0.084 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	808	0.075 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	46517	5.064 ug/L	96
13) Acetone	2.67	43	74289	28.074 ug/L	100
15) Methyl Acetate	2.95	43	1104	0.183 ug/L #	56
25) Chloroform	5.11	83	4867	0.240 ug/L	95
27) 1,2-Dichloroethane	5.79	62	2046	0.142 ug/L #	77
33) Benzene	5.79	78	207217	4.983 ug/L	100
34) Trichloroethene	6.56	95	146020	13.547 ug/L	99
35) Methylcyclohexane	6.70	83	12644	0.827 ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6712	0.579 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1388	0.088 ug/L #	75
42) Toluene	7.98	91	206887	4.883 ug/L	99
44) trans-1,3-Dichloropropene	8.18	75	1092	0.075 ug/L #	77
47) Tetrachloroethene	8.56	164	14414	1.874 ug/L	98
48) 2-Hexanone	8.64	43	19751	2.872 ug/L #	68
49) Dibromochloromethane	8.56	129	13806	1.383 ug/L #	9

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration

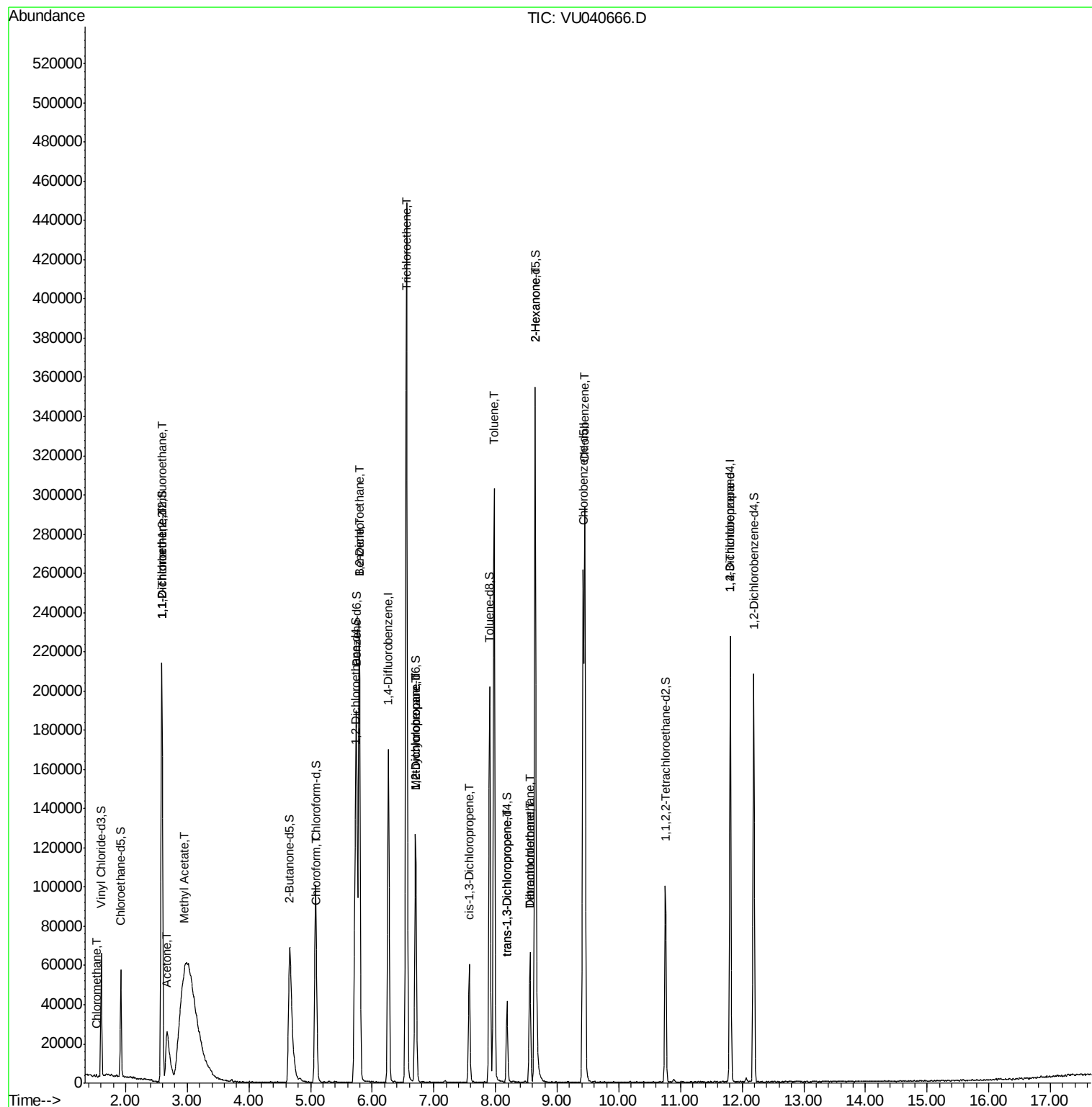
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.45	112	141916	5.085	ug/L	99
59) 1,2,3-Trichloropropane	11.81	75	7420	0.872	ug/L #	79

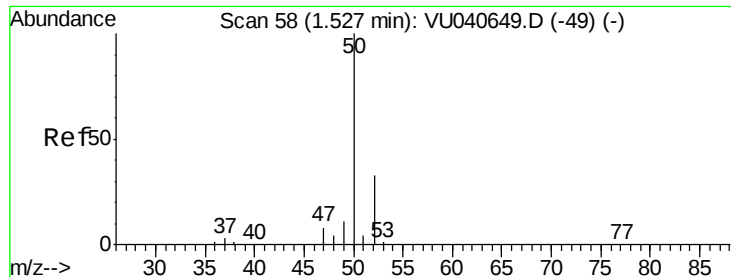
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101220\
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Quant Time: Oct 13 04:43:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.084 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

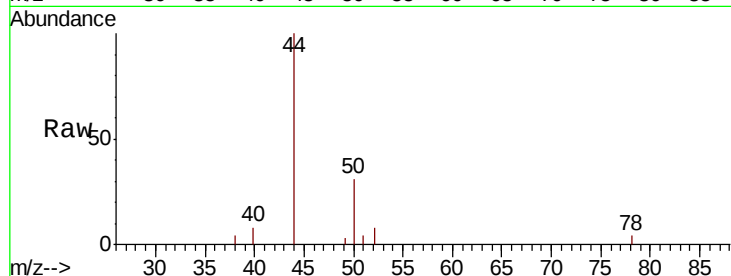
YAQY6MSD

Tot Ion: 50 Resp: 920

Ion Ratio Lower Upper

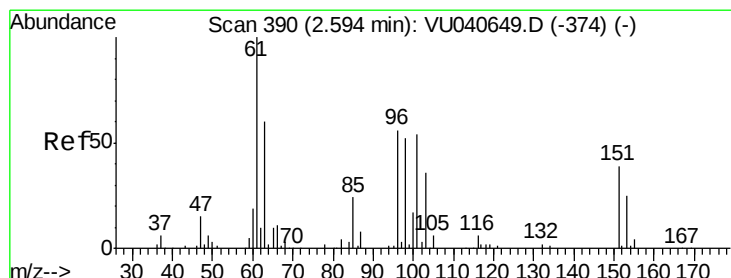
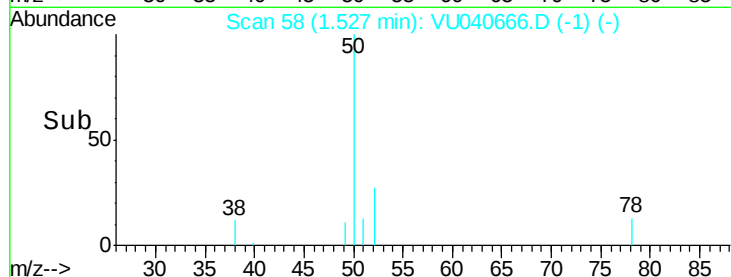
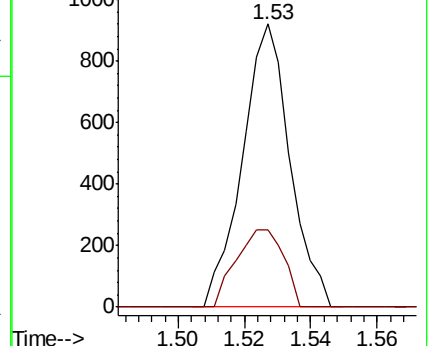
50 100

52 27.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040666.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040666.D (-1) (-)



#10

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

Concen: 0.075 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

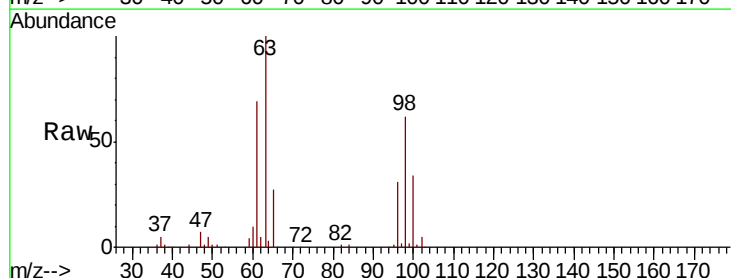
Tgt Ion:101 Resp: 808

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

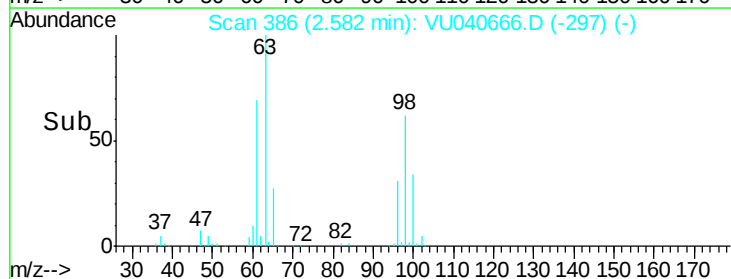
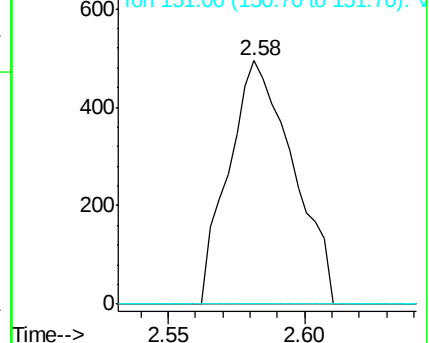
151 0.0 58.0 87.0#

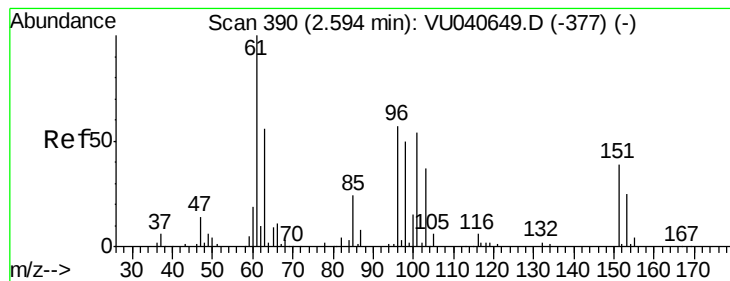


Abundance Ion 101.00 (100.70 to 101.70): VU040666.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040666.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040666.D (-297) (-)





#12

1,1-Dichloroethene

Concen: 5.064 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

YAQY6MSD

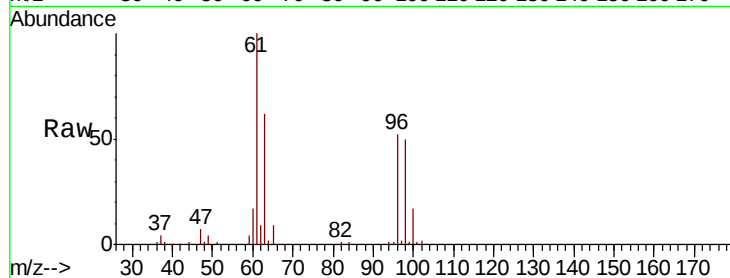
Tot Ion: 96 Resp: 46517

Ion Ratio Lower Upper

96 100

61 191.8 128.8 239.2

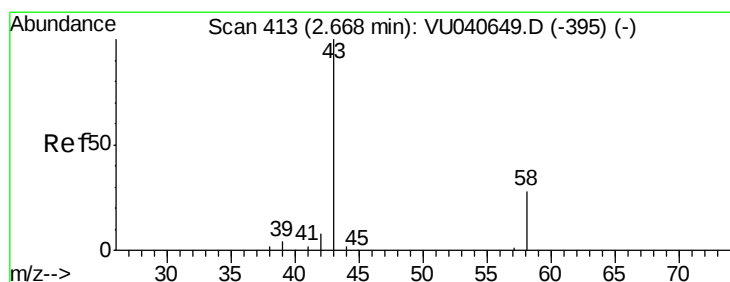
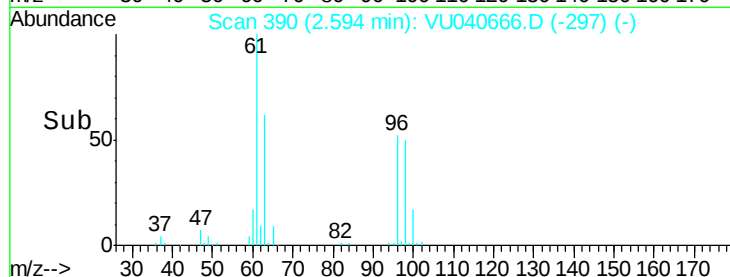
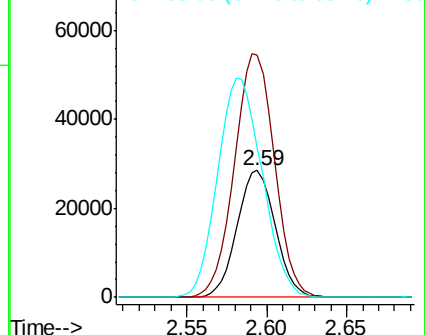
63 118.5 84.6 157.2



Abundance Ion 96.00 (95.70 to 96.70): VU040666.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040666.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040666.D (-297) (-)



#13

Acetone

Concen: 28.074 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040666.D

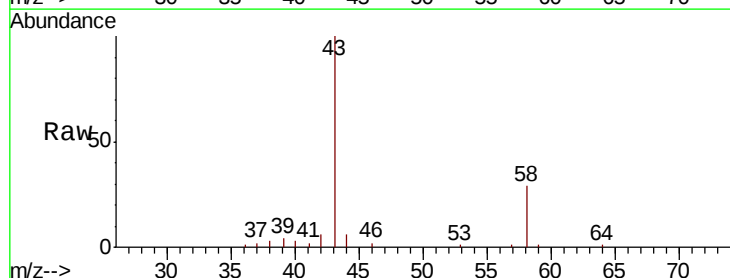
Acq: 12 Oct 2020 18:06

Tgt Ion: 43 Resp: 74289

Ion Ratio Lower Upper

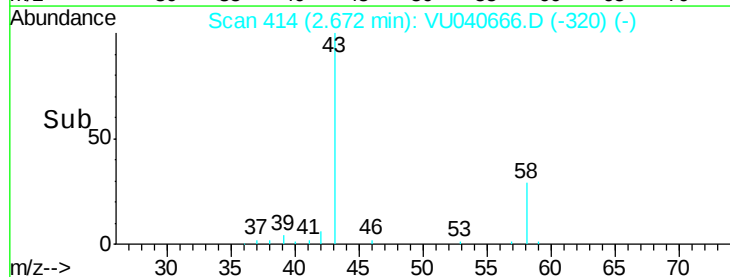
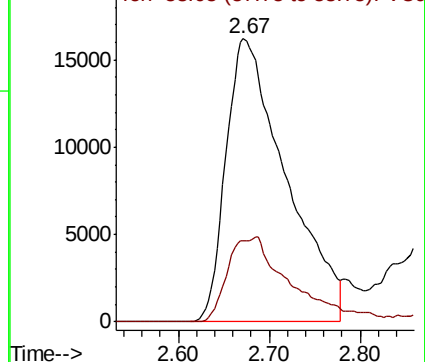
43 100

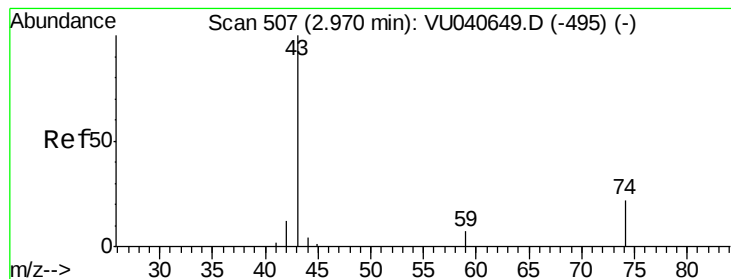
58 30.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040666.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040666.D (-320) (-)





#15

Methvl Acetate

Concen: 0.183 ug/L

RT: 2.95 min Scan# 500

Delta R.T. -0.02 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

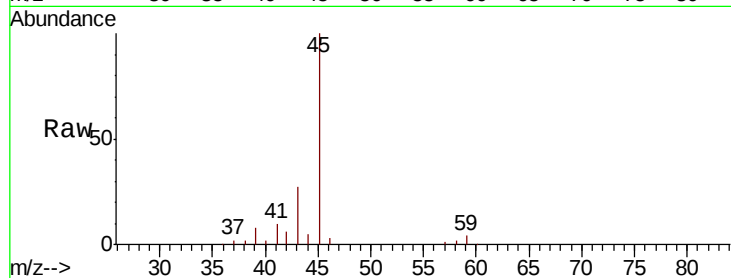
YAQY6MSD

Tot Ion: 43 Resp: 1104

Ion Ratio Lower Upper

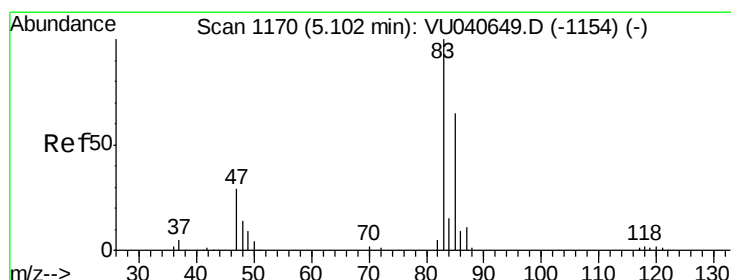
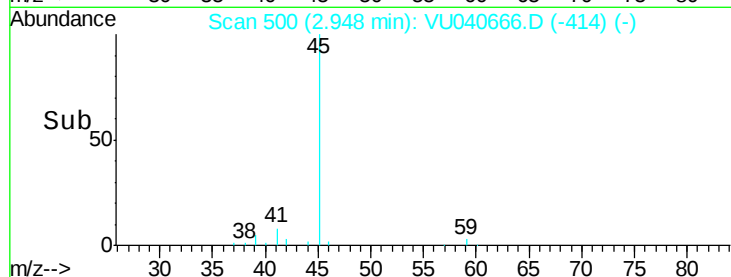
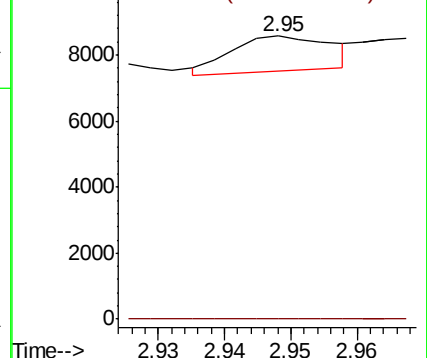
43 100

74 0.0 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#25

Chloroform

Concen: 0.240 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU040666.D

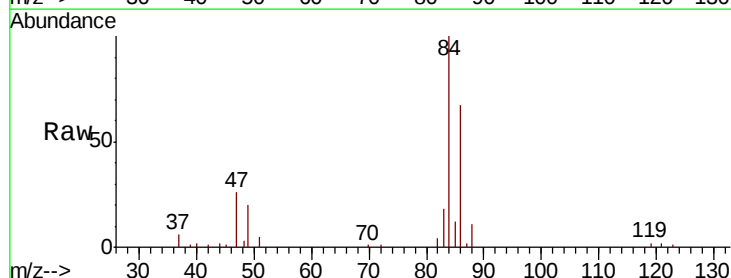
Acq: 12 Oct 2020 18:06

Tgt Ion: 83 Resp: 4867

Ion Ratio Lower Upper

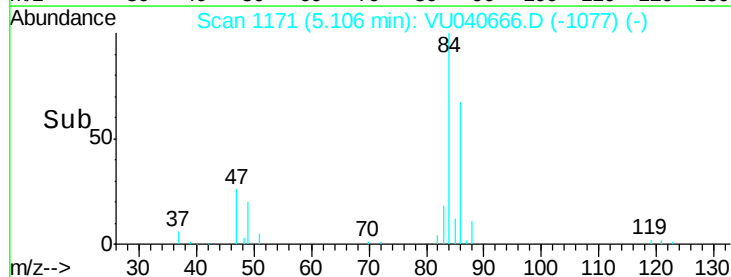
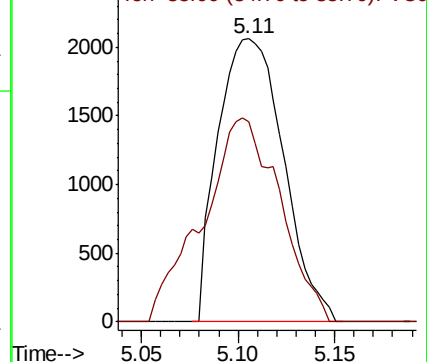
83 100

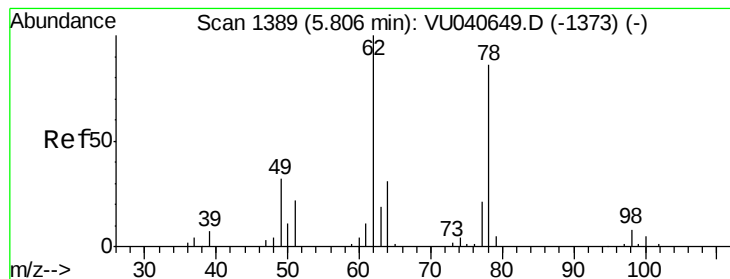
85 70.5 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.142 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.02 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

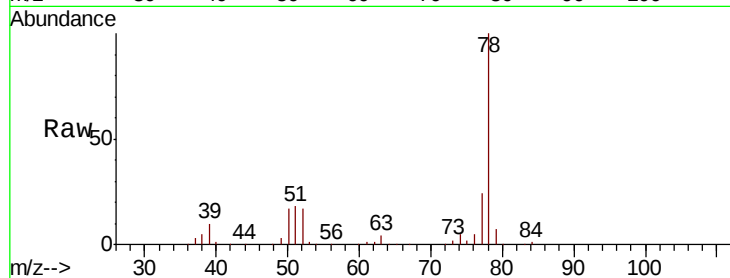
YAQY6MSD

Tot Ion: 62 Resp: 2046

Ion Ratio Lower Upper

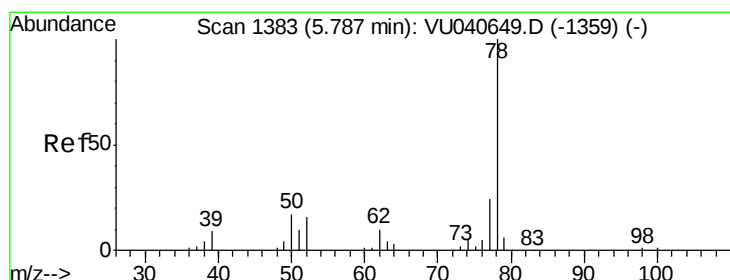
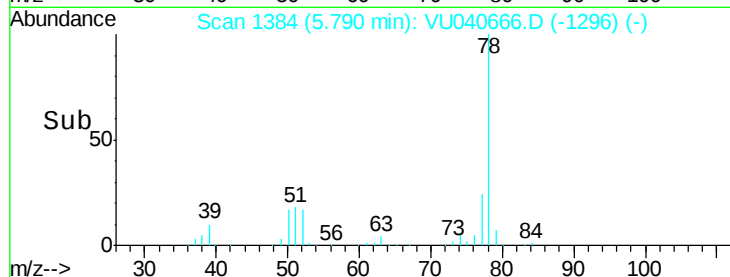
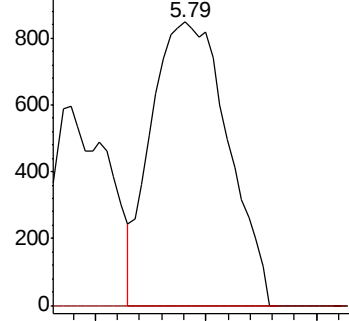
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 4.983 ug/L

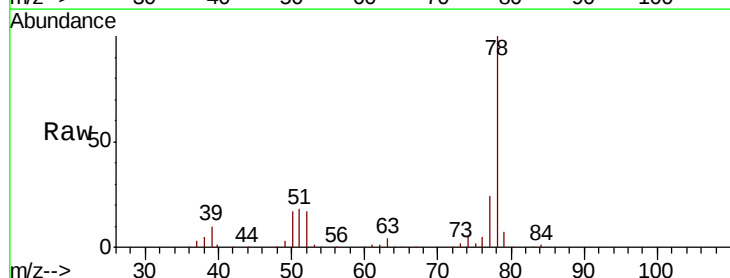
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

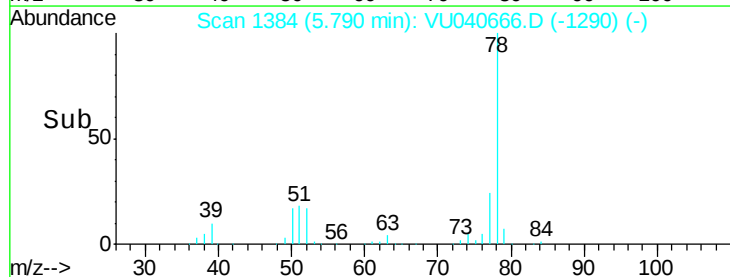
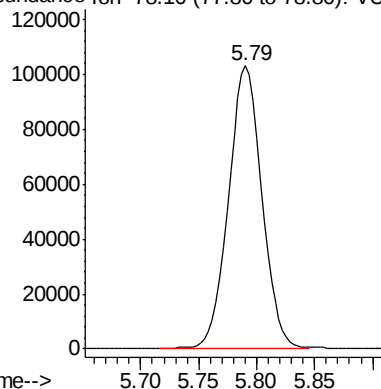
Lab File: VU040666.D

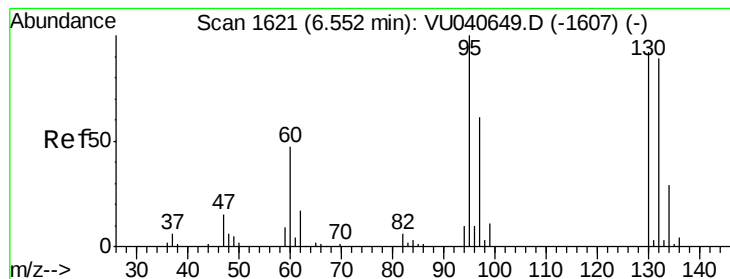
Acq: 12 Oct 2020 18:06

Tgt Ion: 78 Resp: 207217



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 13.547 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

YAQY6MSD

Tot Ion: 95 Resp: 146020

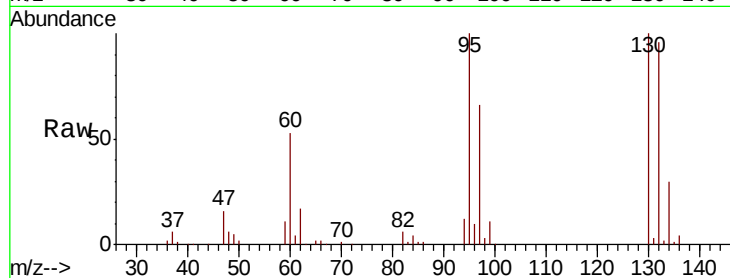
Ion Ratio Lower Upper

95 100

97 66.5 45.5 84.5

132 96.2 67.5 125.4

130 99.9 69.9 129.9

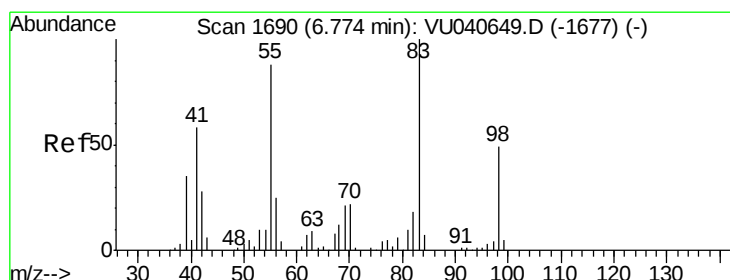
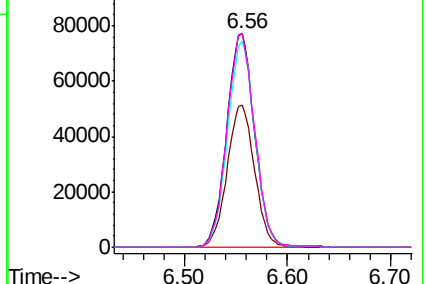
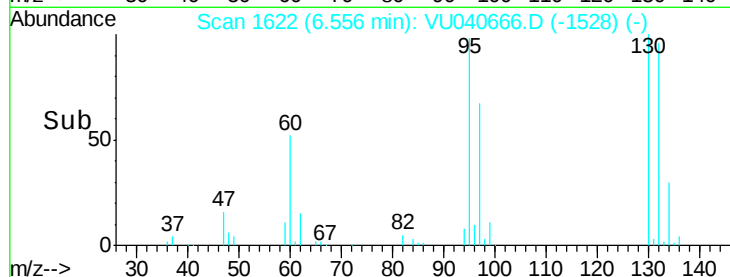


Abundance Ion 95.00 (94.70 to 95.70): VU040666.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040666.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040666.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040666.D (-1528) (-)



#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

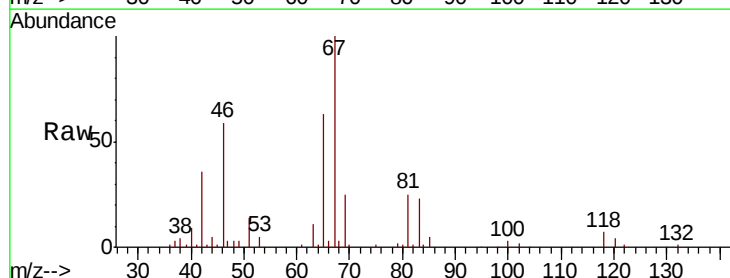
Tgt Ion: 83 Resp: 12644

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

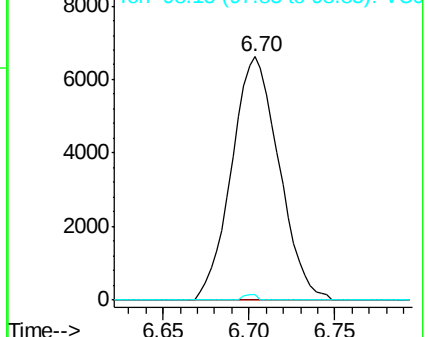
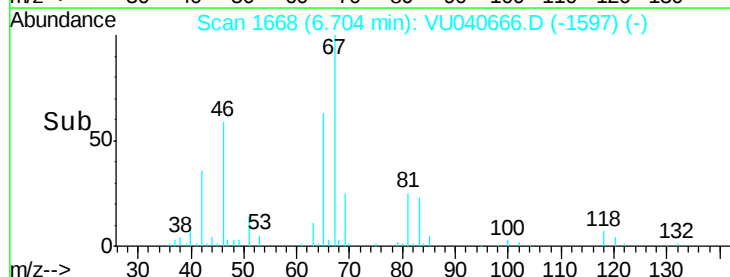
98 0.0 38.4 57.6#

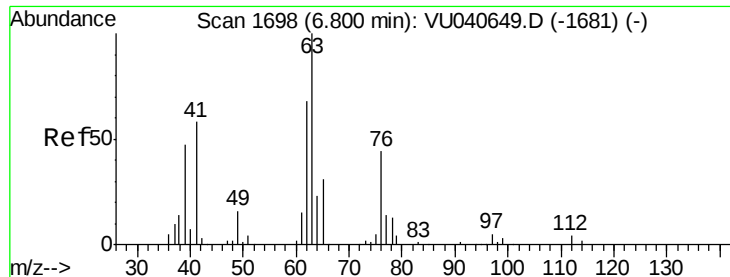


Abundance Ion 83.15 (82.85 to 83.85): VU040666.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040666.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040666.D (-1597) (-)

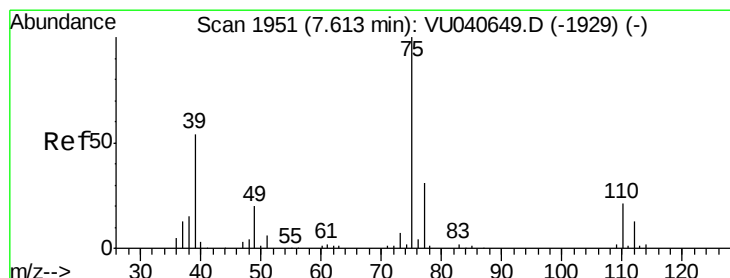
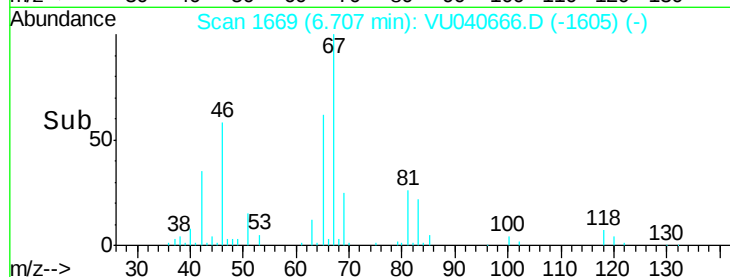
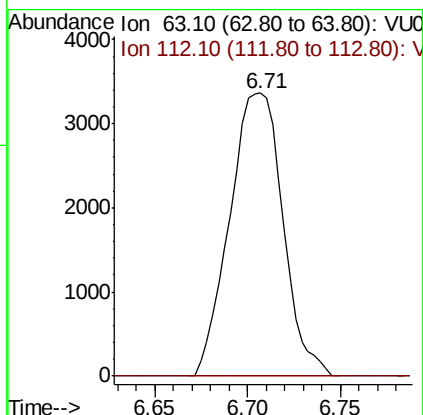
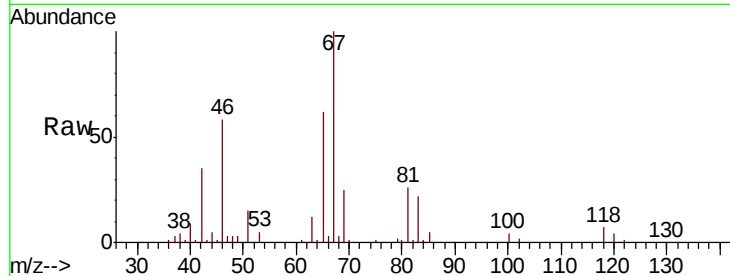




#37
 1,2-Dichloropropane
 Concen: 0.579 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040666.D
 Acq: 12 Oct 2020 18:06

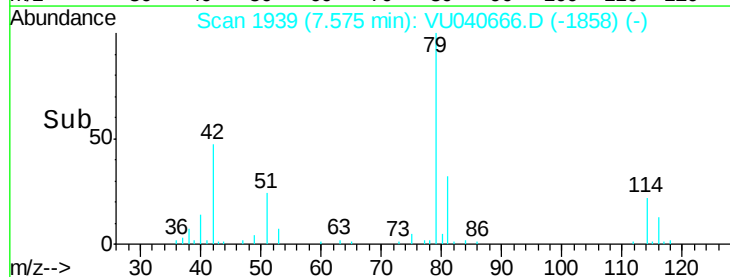
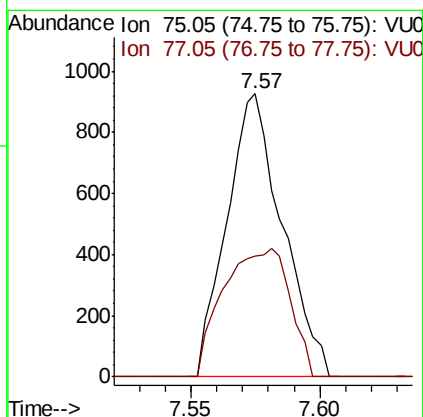
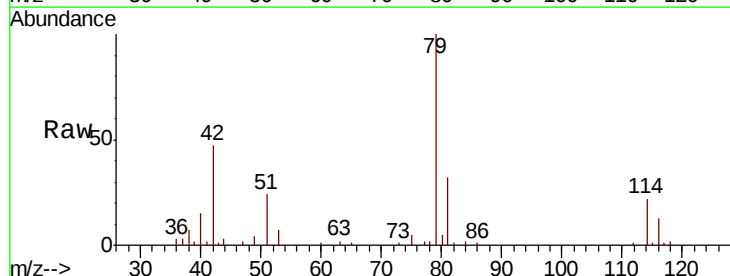
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6MSD

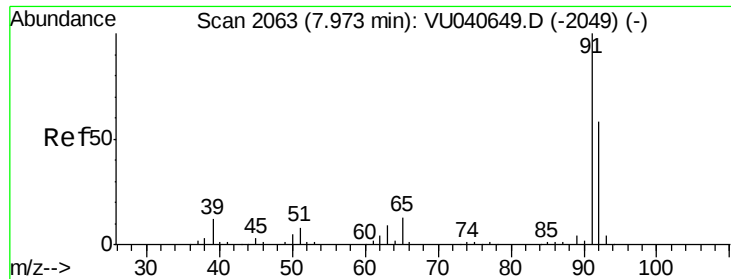
Tot Ion: 63 Resp: 6712
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040666.D
 Acq: 12 Oct 2020 18:06

Tgt Ion: 75 Resp: 1388
 Ion Ratio Lower Upper
 75 100
 77 42.7 20.5 38.1#





#42

Toluene

Concen: 4.883 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

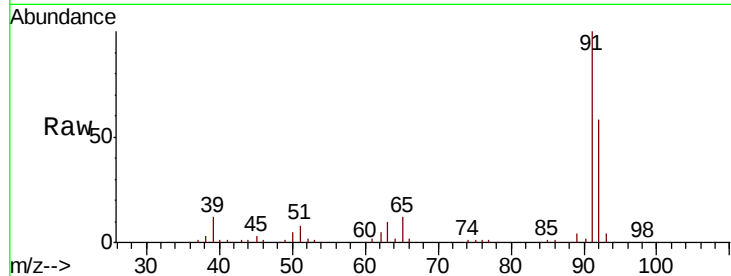
YAQY6MSD

Tot Ion: 91 Resp: 206887

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040649.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040649.D (-2049) (-)

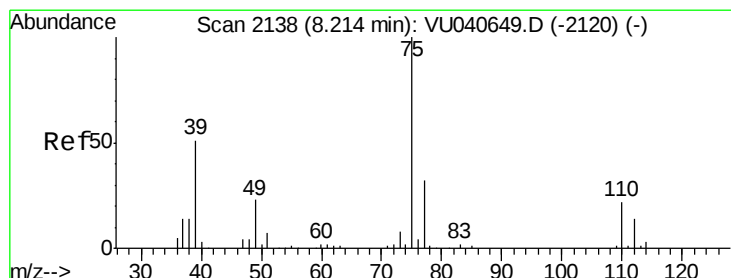
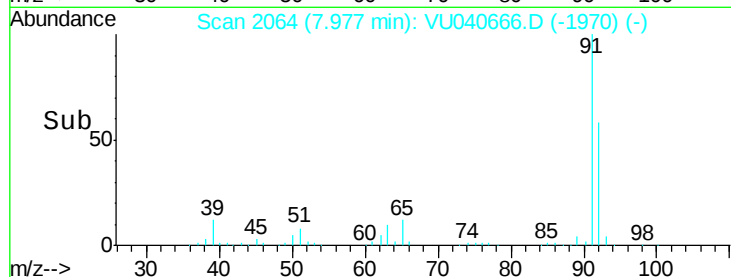
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040666.D

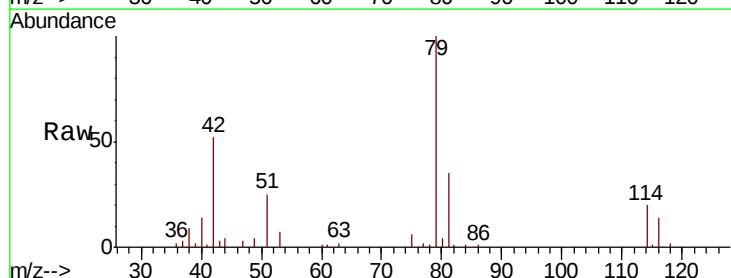
Acq: 12 Oct 2020 18:06

Tgt Ion: 75 Resp: 1092

Ion Ratio Lower Upper

75 100

77 41.5 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040649.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040649.D (-2120) (-)

8.18

800

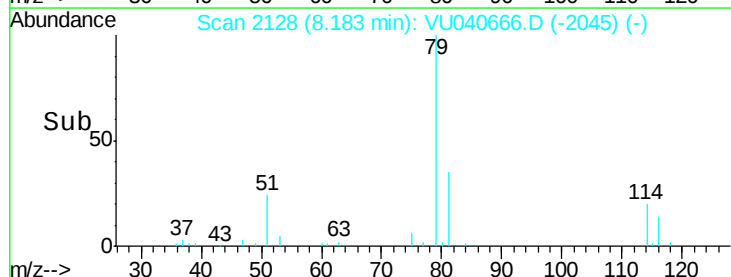
600

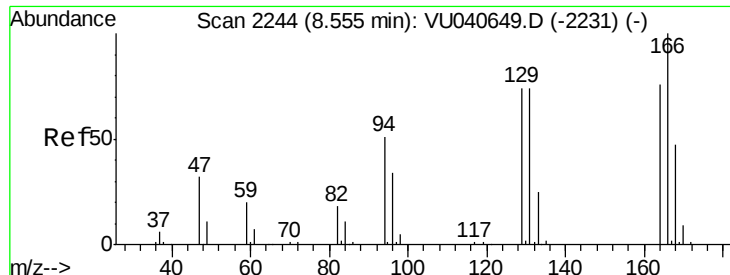
400

200

0

Time-->





#47

Tetrachloroethene

Concen: 1.874 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

YAQY6MSD

Tot Ion:164 Resp: 14414

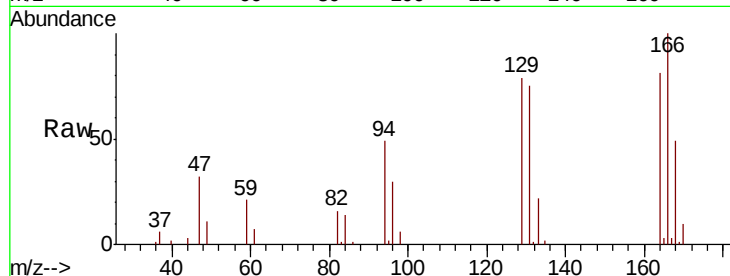
Ion Ratio Lower Upper

164 100

129 97.4 68.8 127.8

131 93.0 66.7 123.9

166 123.9 83.9 155.7

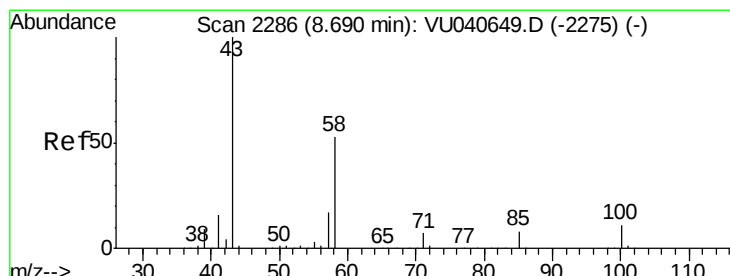
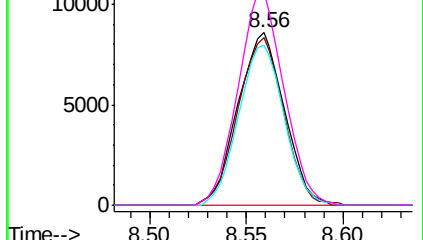
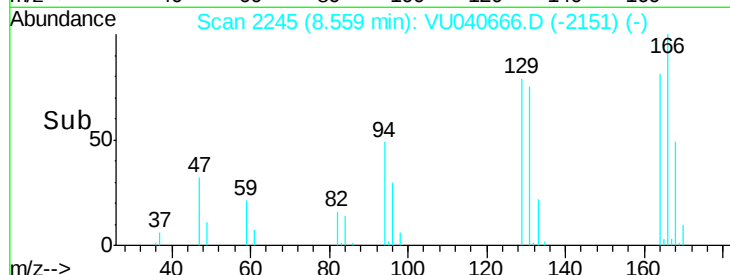


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.872 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Tgt Ion: 43 Resp: 19751

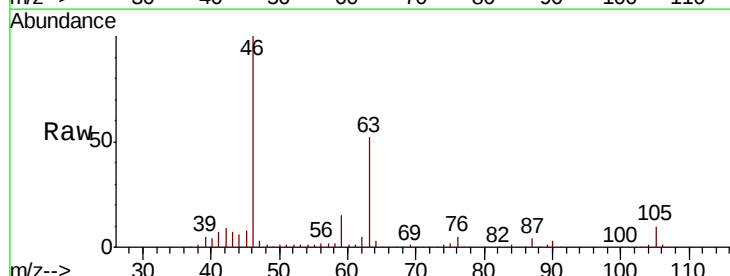
Ion Ratio Lower Upper

43 100

58 24.6 41.0 61.6#

57 26.0 14.4 21.6#

100 0.6 8.6 13.0#

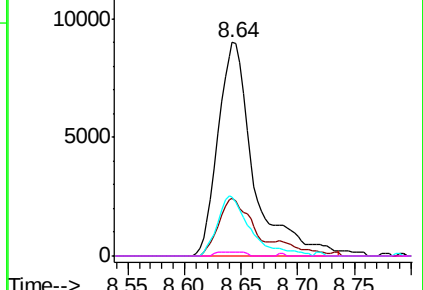
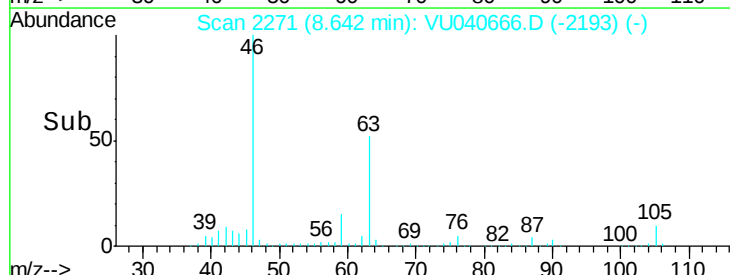


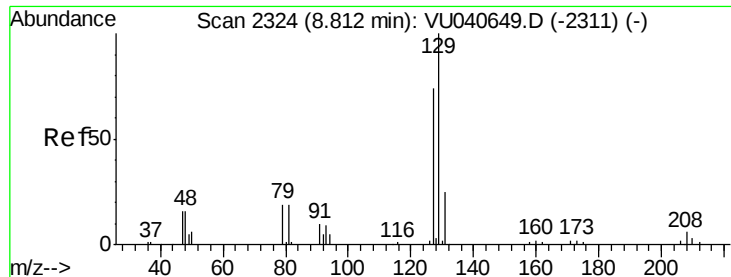
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 1.383 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

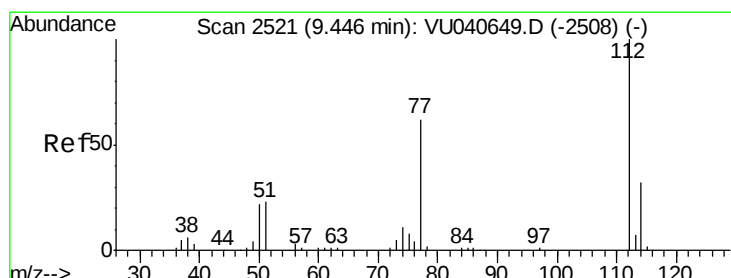
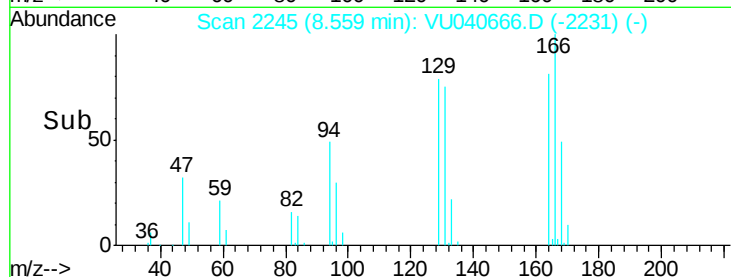
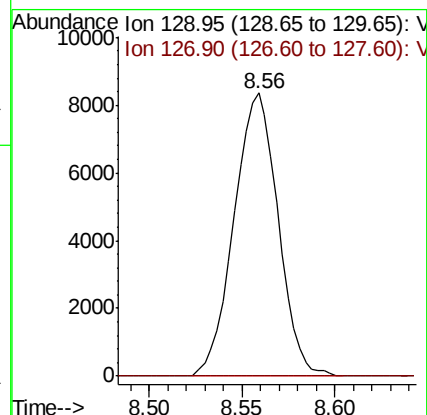
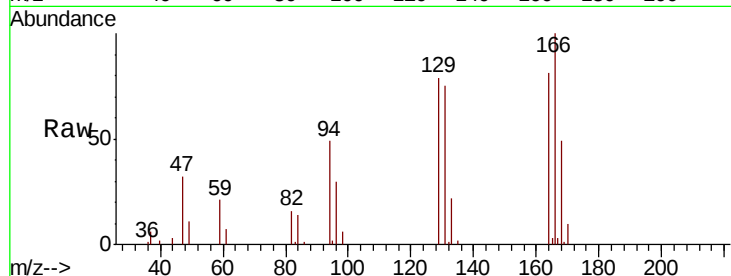
YQY6MSD

Tot Ion:129 Resp: 13806

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



#51

Chlorobenzene

Concen: 5.085 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

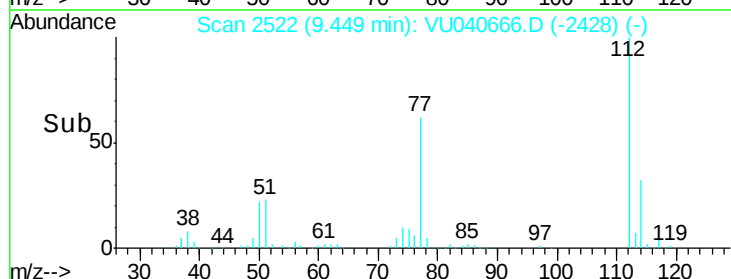
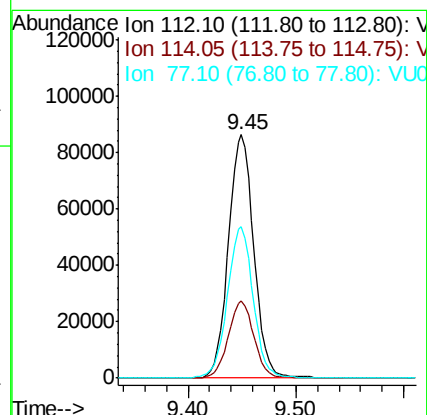
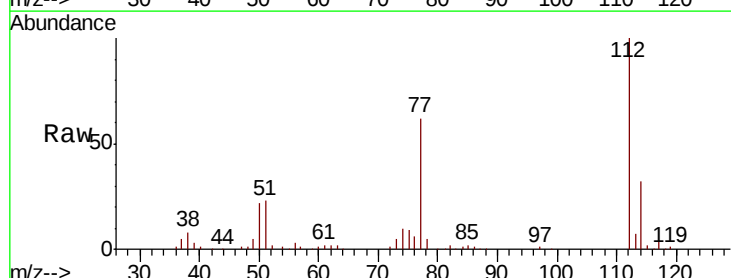
Tgt Ion:112 Resp: 141916

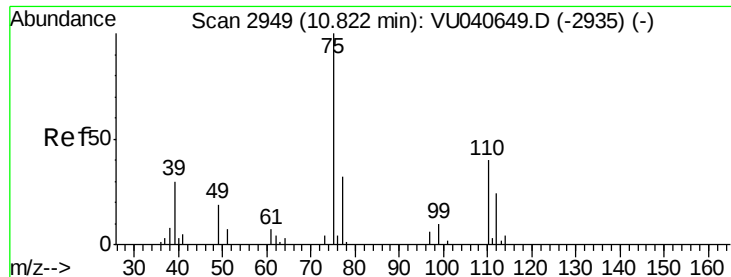
Ion Ratio Lower Upper

112 100

114 31.8 23.1 42.9

77 62.2 50.3 75.5





#59

1,2,3-Trichloropropane

Concen: 0.872 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040666.D

Acq: 12 Oct 2020 18:06

Instrument :

MSVOA_U

ClientSampleId :

YAQY6MSD

Tot Ion: 75 Resp: 7420

Ion Ratio Lower Upper

75 100

77 44.7 26.4 39.6#

