

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101220\
 Data File : VU040664.D
 Acq On : 12 Oct 2020 17:19
 Operator : SY/MD
 Sample : L4345-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6

Quant Time: Oct 13 04:42:46 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	117685	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117732	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50526	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	40012	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	36948	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	65451	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	4.66	46	167951	53.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.64%
24) Chloroform-d	5.08	84	83804	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	51212	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.74	84	152624	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.70	67	53840	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.91	98	121822	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	21038	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	114101	49.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46329	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	49805	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	705	0.071 ug/L #	81
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	668	0.068 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	1605	0.191 ug/L #	1
13) Acetone	2.67	43	75778	31.328 ug/L	78
15) Methyl Acetate	2.96	43	871	0.158 ug/L #	56
25) Chloroform	5.10	83	4996	0.269 ug/L	88
27) 1,2-Dichloroethane	5.75	62	876	0.067 ug/L #	77
34) Trichloroethene	6.56	95	89305	9.109 ug/L	96
35) Methylcyclohexane	6.70	83	12359	0.889 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6378	0.605 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1465	0.102 ug/L #	48
44) trans-1,3-Dichloropropene	8.19	75	795	0.060 ug/L #	41
47) Tetrachloroethene	8.56	164	12769	1.825 ug/L	94
48) 2-Hexanone	8.64	43	18428	2.946 ug/L #	71
49) Dibromochloromethane	8.56	129	11924	1.313 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6904	0.892 ug/L	98
68) 1,2,4-trichlorobenzene	13.84	180	335	0.037 ug/L #	54

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QLast Update : Tue Oct 13 04:32:46 2020
Response via : Initial Calibration

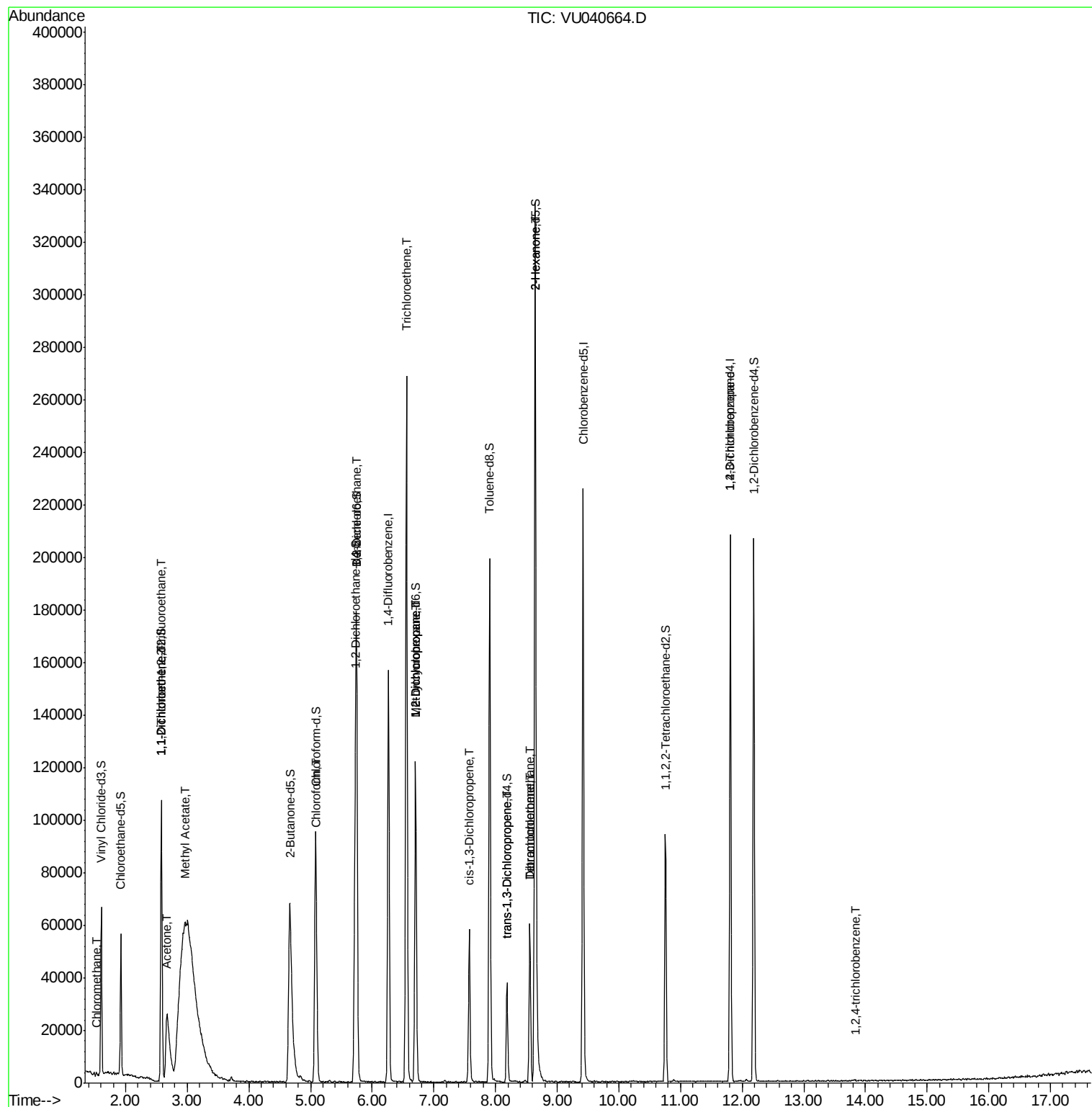
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

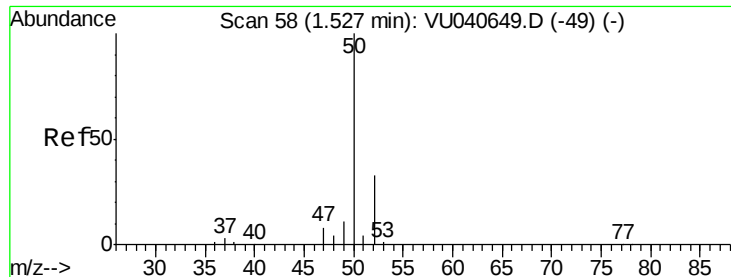
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101220\
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#3

Chloromethane

Concen: 0.071 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

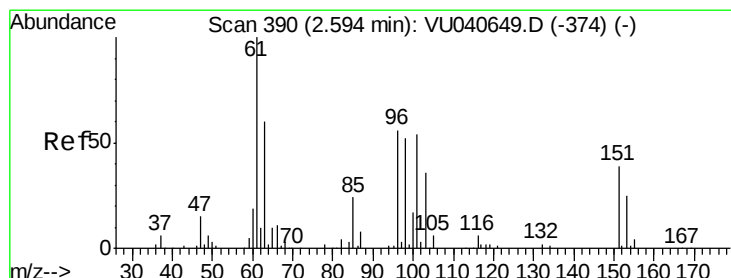
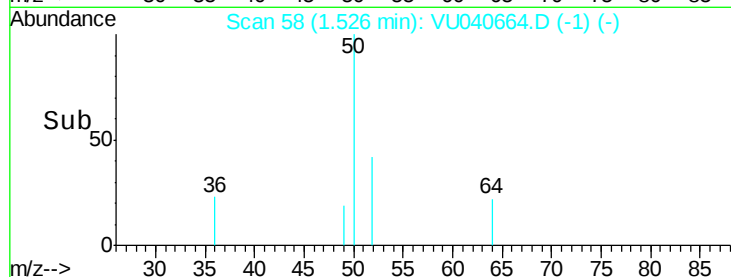
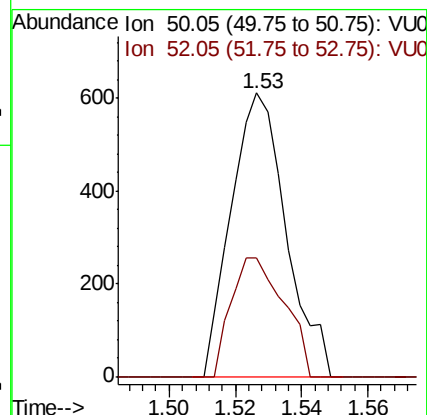
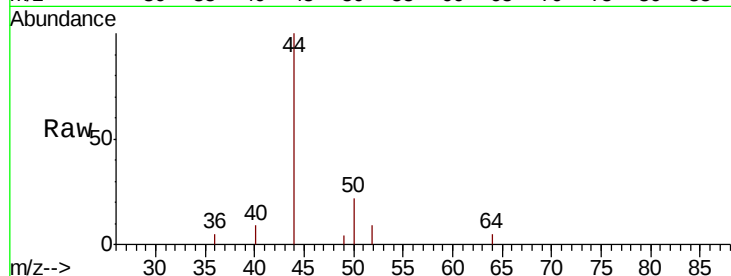
YAQY6

Tot Ion: 50 Resp: 705

Ion Ratio Lower Upper

50 100

52 41.9 21.9 40.7#



#10

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

Concen: 0.068 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

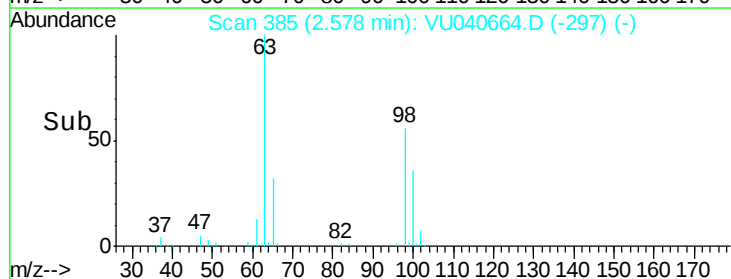
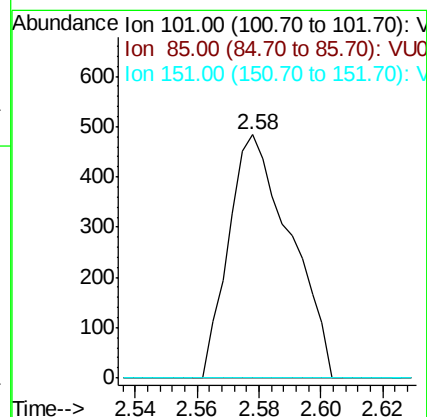
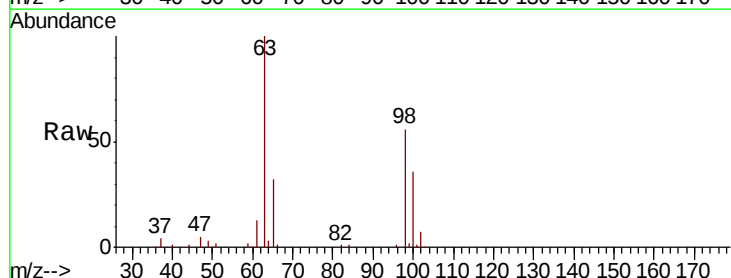
Tgt Ion: 101 Resp: 668

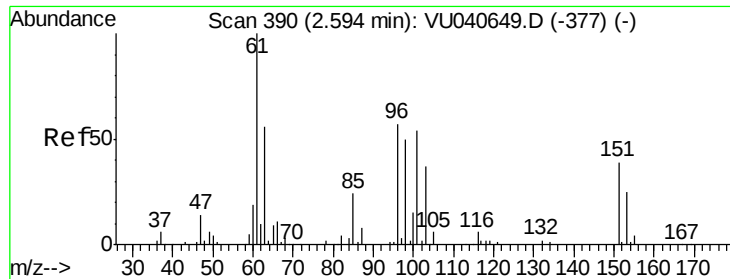
Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#





#12

1,1-Dichloroethene

Concen: 0.191 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampled :

YAQY6

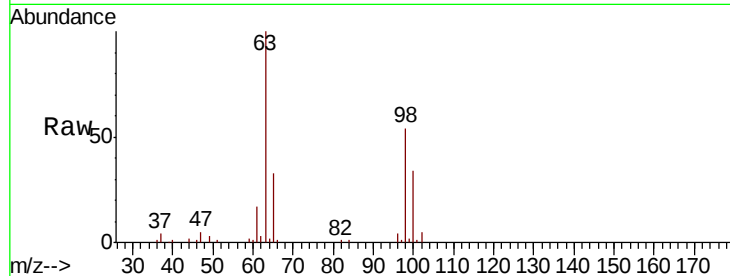
Tot Ion: 96 Resp: 1605

Ion Ratio Lower Upper

96 100

61 461.2 128.8 239.2#

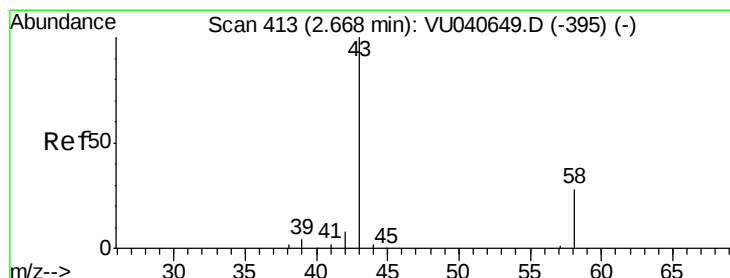
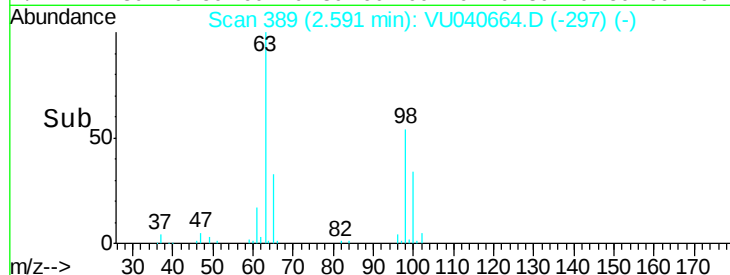
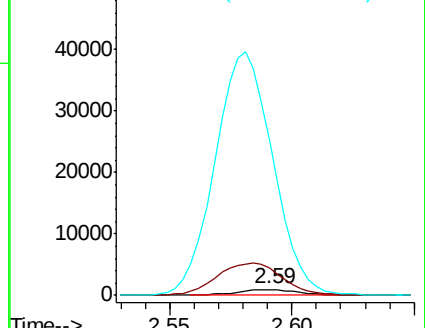
63 2643.1 84.6 157.2#



Abundance Ion 96.00 (95.70 to 96.70): VU040664.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040664.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040664.D (-297) (-)



#13

Acetone

Concen: 31.328 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU040664.D

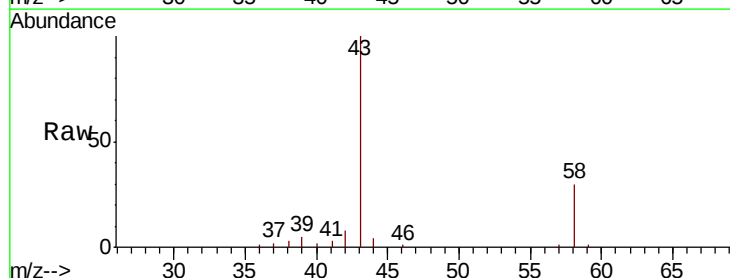
Acq: 12 Oct 2020 17:19

Tgt Ion: 43 Resp: 75778

Ion Ratio Lower Upper

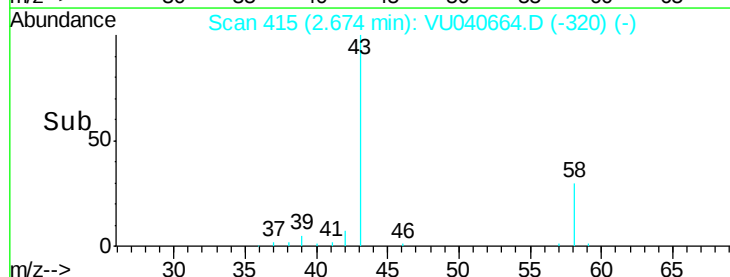
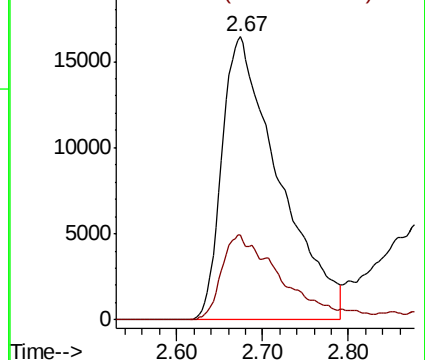
43 100

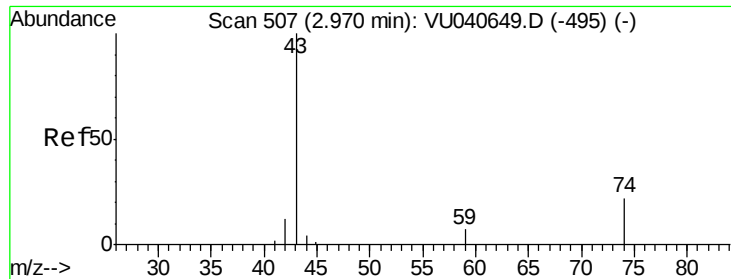
58 18.5 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040664.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040664.D (-320) (-)





#15

Methvl Acetate

Concen: 0.158 ug/L

RT: 2.96 min Scan# 503

Delta R.T. -0.01 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

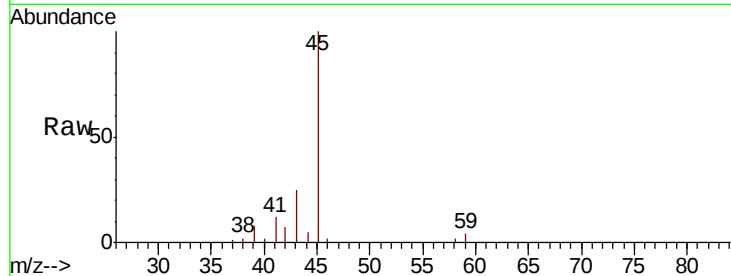
YAQY6

Tot Ion: 43 Resp: 871

Ion Ratio Lower Upper

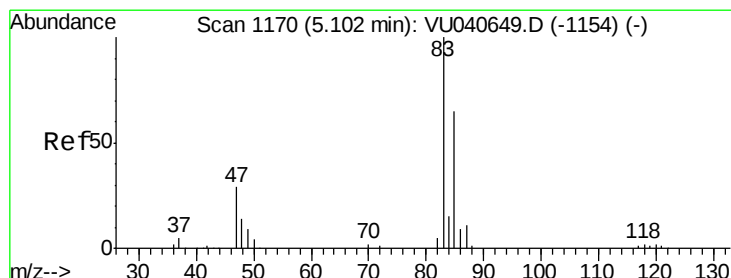
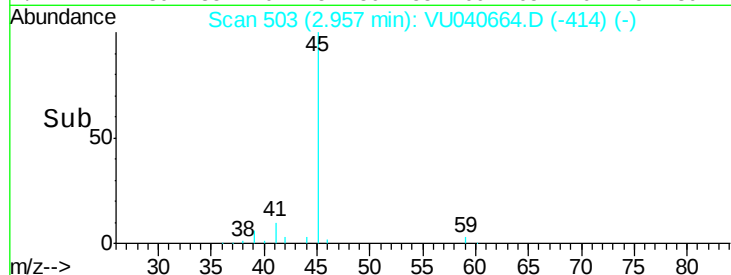
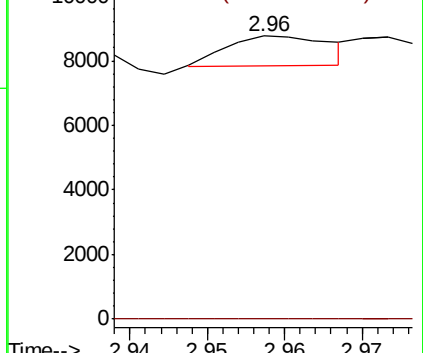
43 100

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: 0.269 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040664.D

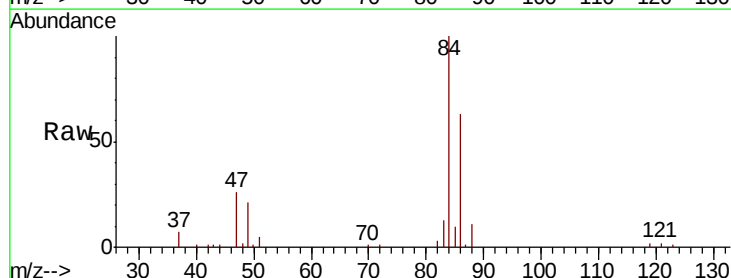
Acq: 12 Oct 2020 17:19

Tgt Ion: 83 Resp: 4996

Ion Ratio Lower Upper

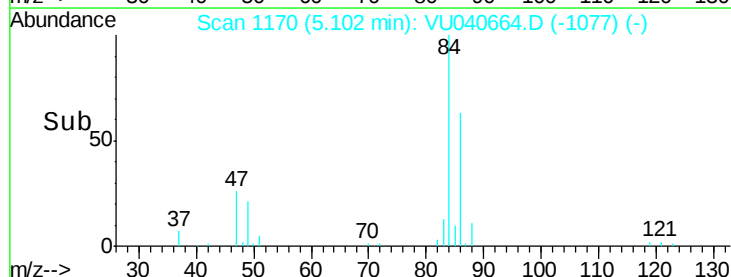
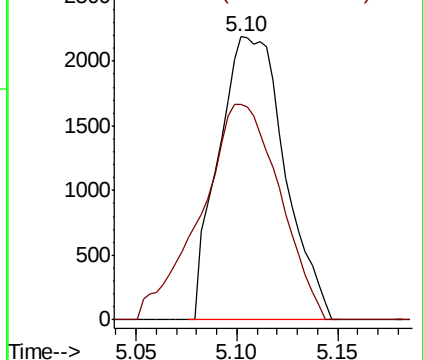
83 100

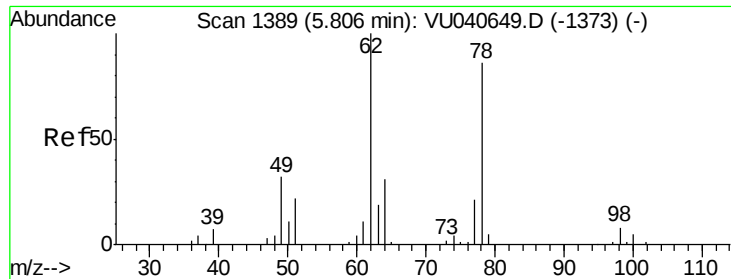
85 76.2 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

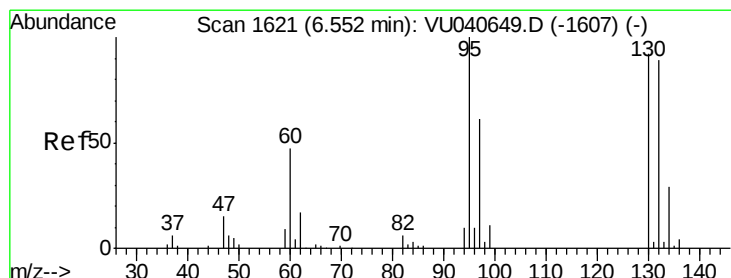
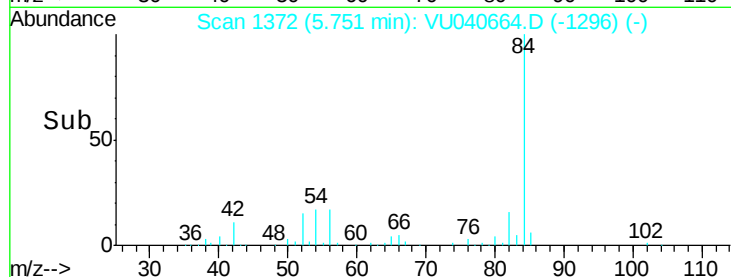
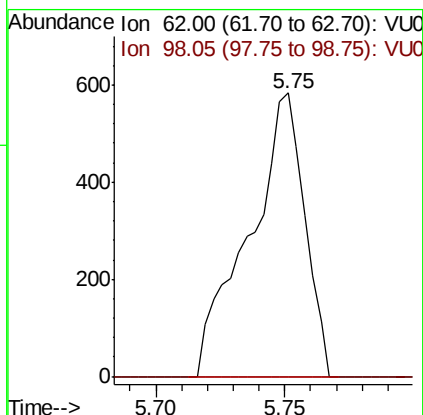
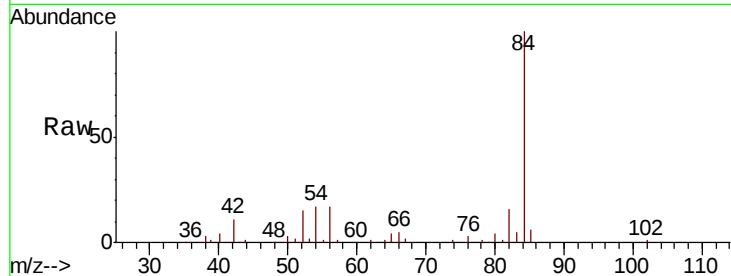




#27
 1,2-Dichloroethane
 Concen: 0.067 ug/L
 RT: 5.75 min Scan# 1372
 Delta R.T. -0.05 min
 Lab File: VU040664.D
 Acq: 12 Oct 2020 17:19

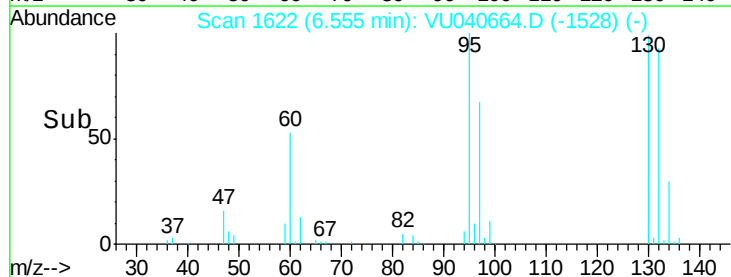
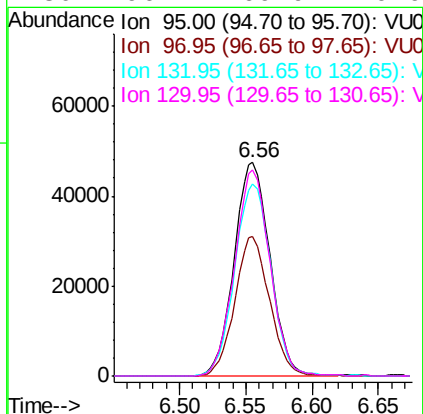
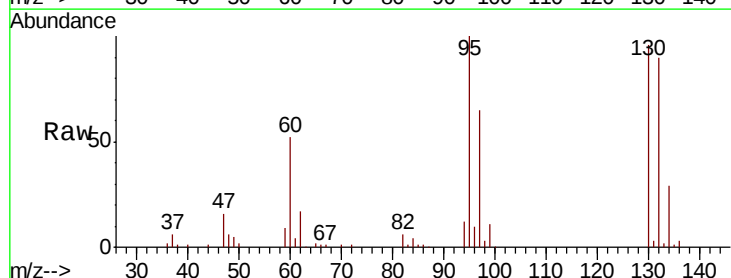
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6

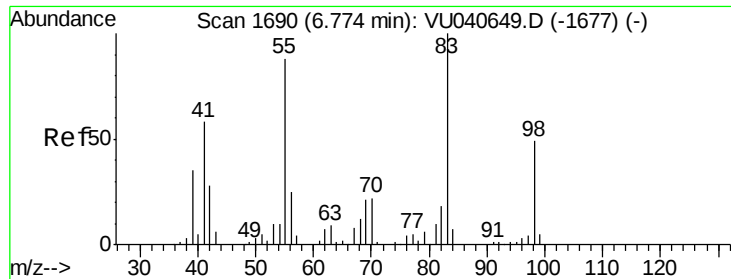
Tot Ion: 62 Resp: 876
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 9.109 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040664.D
 Acq: 12 Oct 2020 17:19

Tgt Ion: 95 Resp: 89305
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.5 84.5
 132 90.0 67.5 125.4
 130 96.4 69.9 129.9

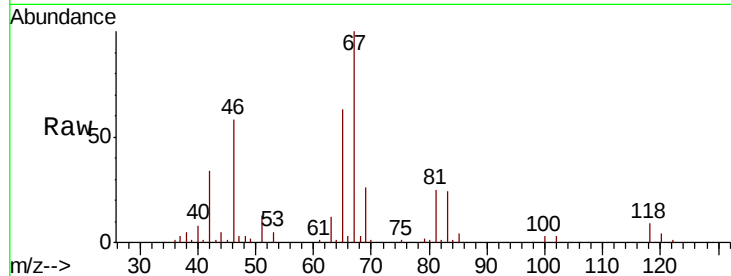




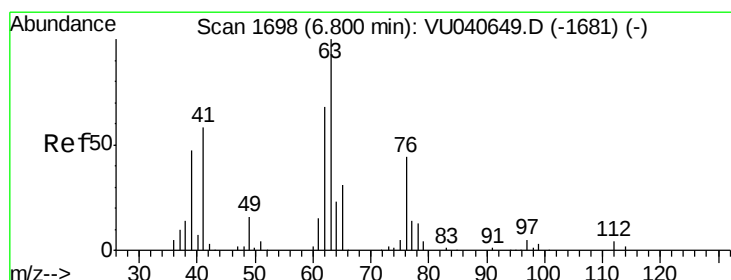
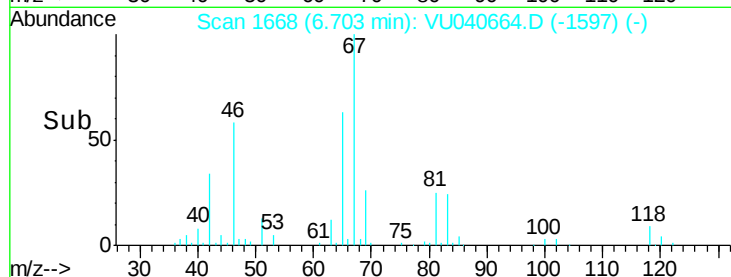
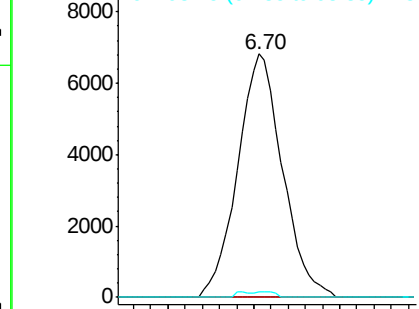
#35
Methvlcvclohexane
Concen: 0.889 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040664.D
Acq: 12 Oct 2020 17:19

Instrument :
MSVOA_U
ClientSampleId :
YAQY6

Tot Ion: 83 Resp: 12359
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.9 38.4 57.6#

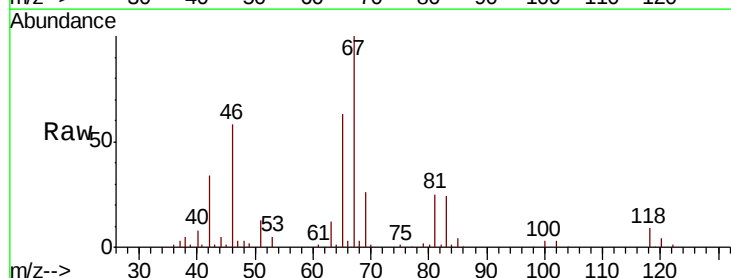


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

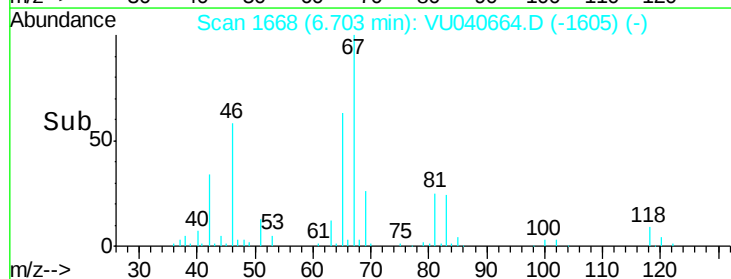
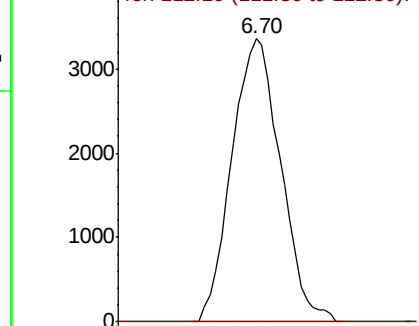


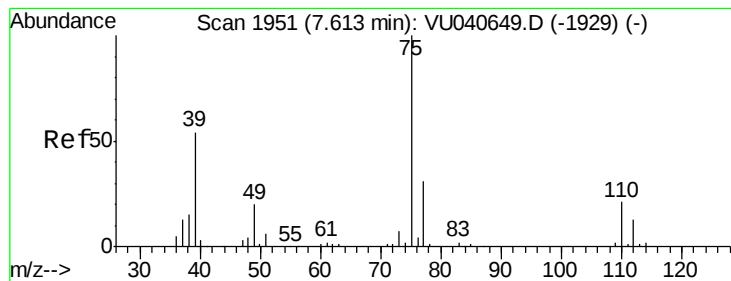
#37
1,2-Dichloropropane
Concen: 0.605 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040664.D
Acq: 12 Oct 2020 17:19

Tgt Ion: 63 Resp: 6378
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



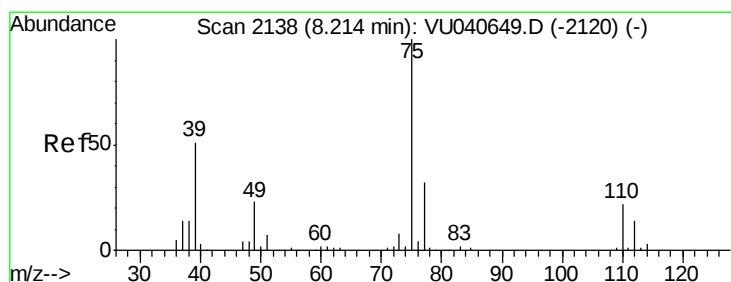
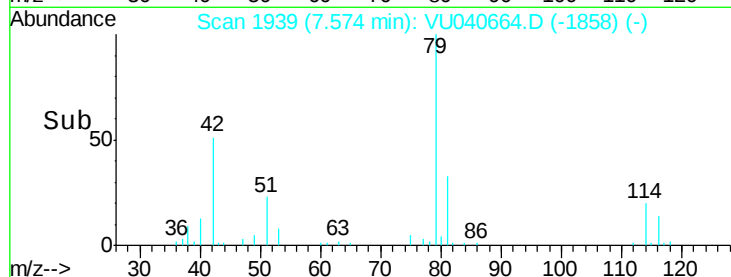
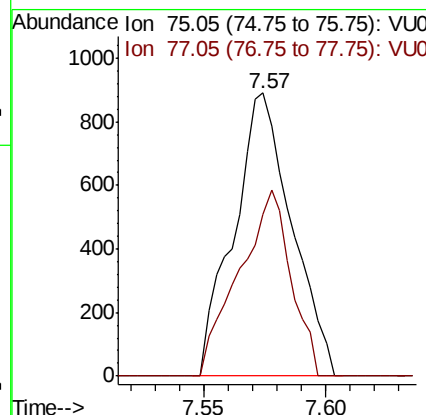
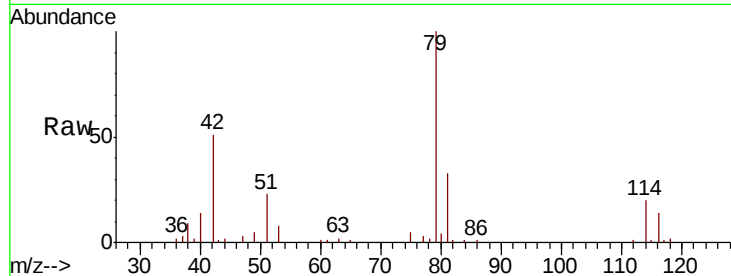


#39

cis-1,3-Dichloropropene
 Concen: 0.102 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040664.D
 Acq: 12 Oct 2020 17:19

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY6

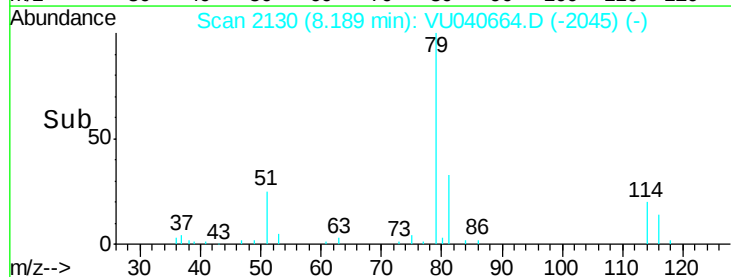
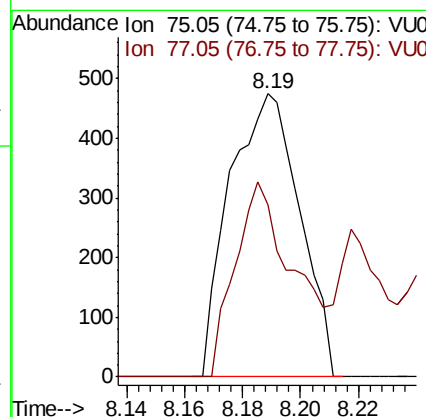
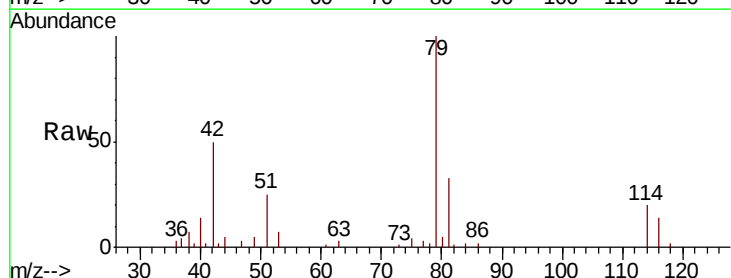
Tot Ion: 75 Resp: 1465
 Ion Ratio Lower Upper
 75 100
 77 57.4 20.5 38.1#

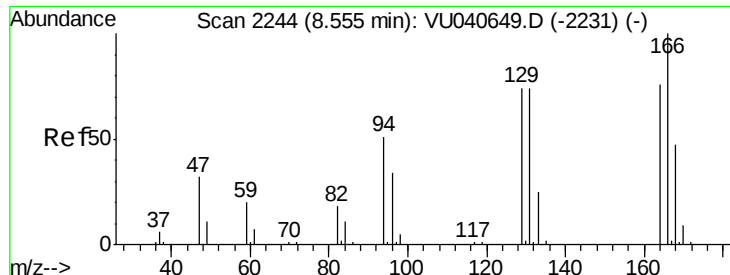


#44

trans-1,3-Dichloropropene
 Concen: 0.060 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040664.D
 Acq: 12 Oct 2020 17:19

Tgt Ion: 75 Resp: 795
 Ion Ratio Lower Upper
 75 100
 77 60.8 20.4 38.0#





#47

Tetrachloroethene

Concen: 1.825 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

YAQY6

Tot Ion:164 Resp: 12769

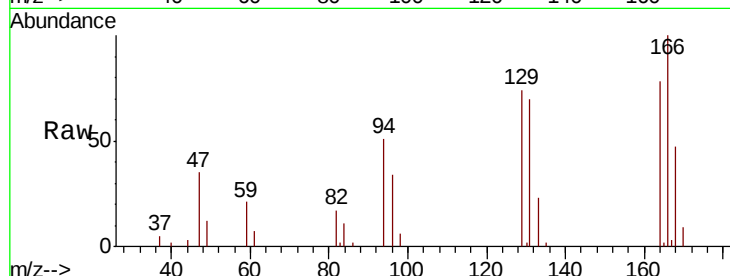
Ion Ratio Lower Upper

164 100

129 93.8 68.8 127.8

131 89.5 66.7 123.9

166 127.5 83.9 155.7

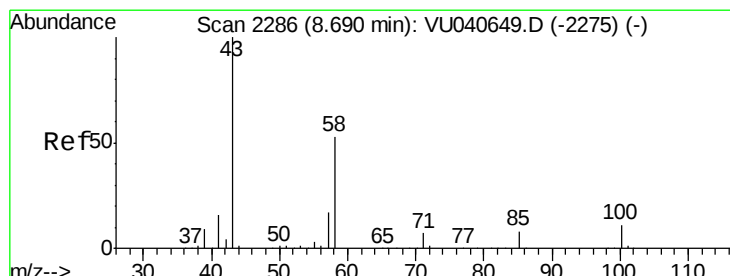
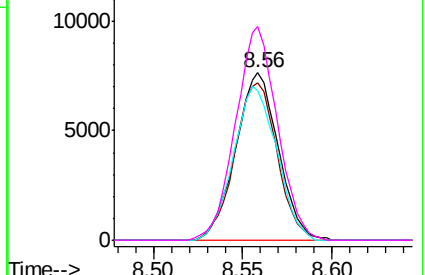
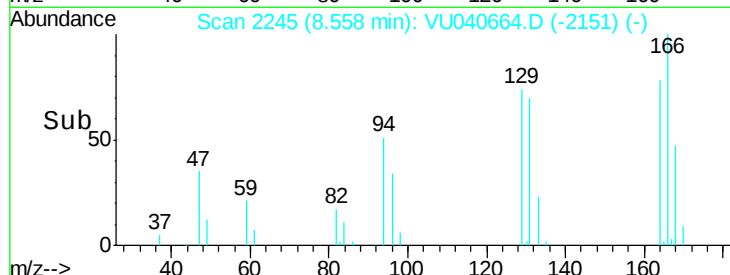


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.946 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Tgt Ion: 43 Resp: 18428

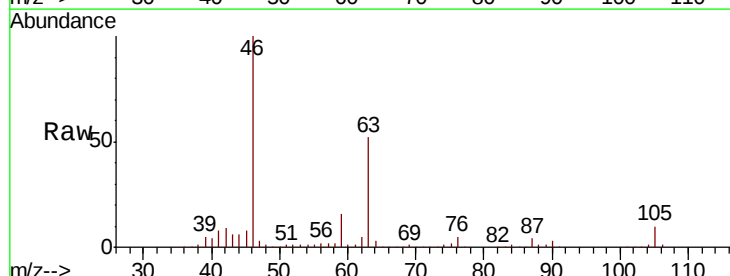
Ion Ratio Lower Upper

43 100

58 28.2 41.0 61.6#

57 25.6 14.4 21.6#

100 0.9 8.6 13.0#

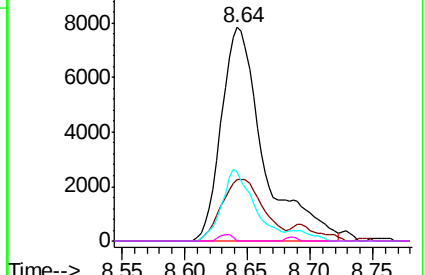
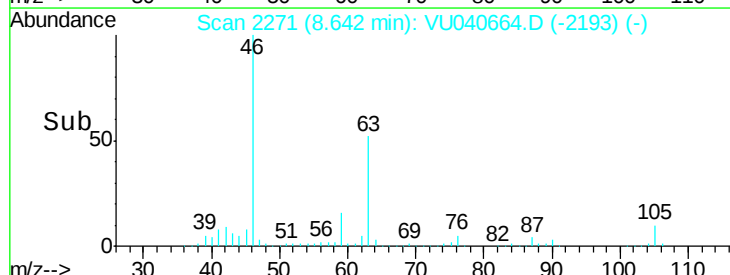


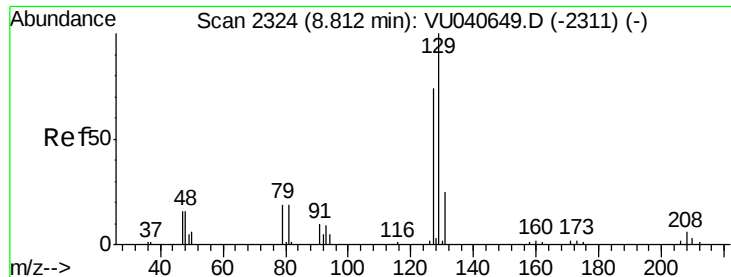
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 1.313 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

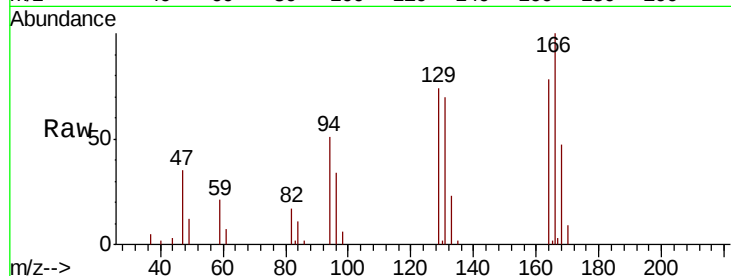
YQY6

Tot Ion:129 Resp: 11924

Ion Ratio Lower Upper

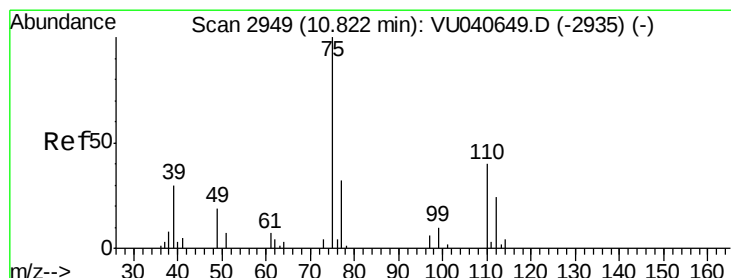
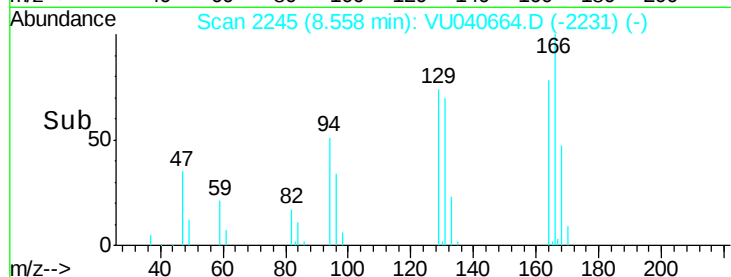
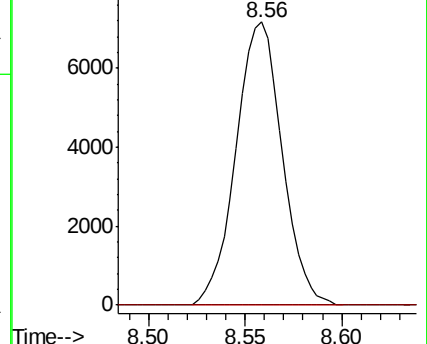
129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.892 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040664.D

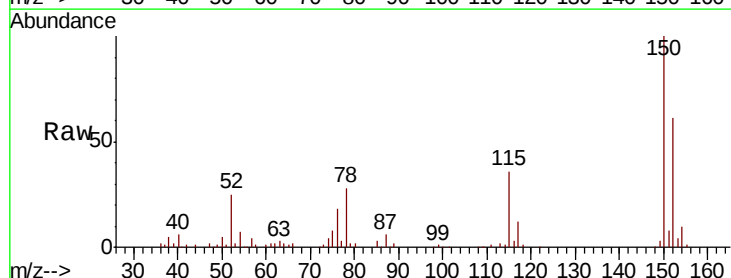
Acq: 12 Oct 2020 17:19

Tgt Ion: 75 Resp: 6904

Ion Ratio Lower Upper

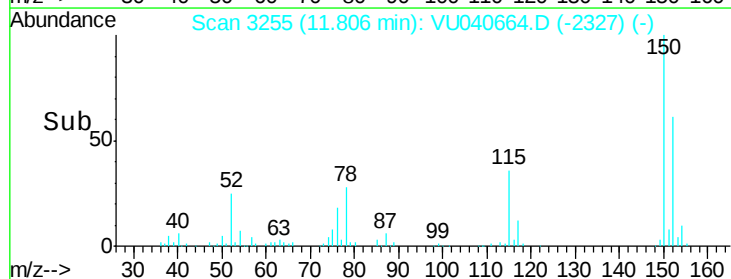
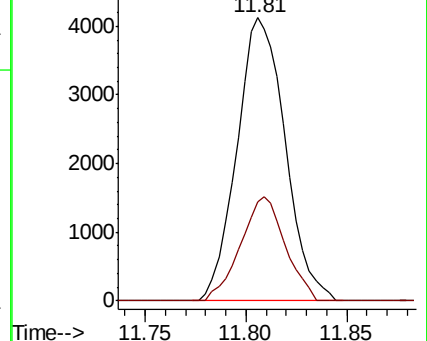
75 100

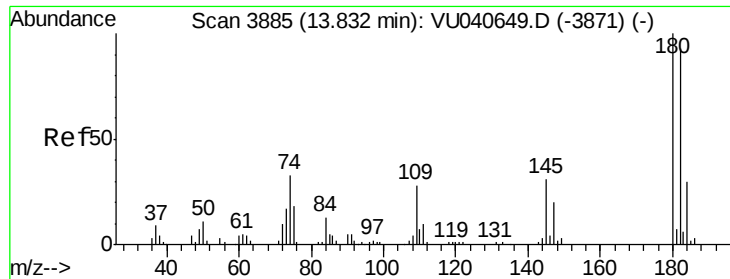
77 33.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#68

1,2,4-trichlorobenzene

Concen: 0.037 ug/L

RT: 13.84 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VU040664.D

Acq: 12 Oct 2020 17:19

Instrument :

MSVOA_U

ClientSampleId :

YAQY6

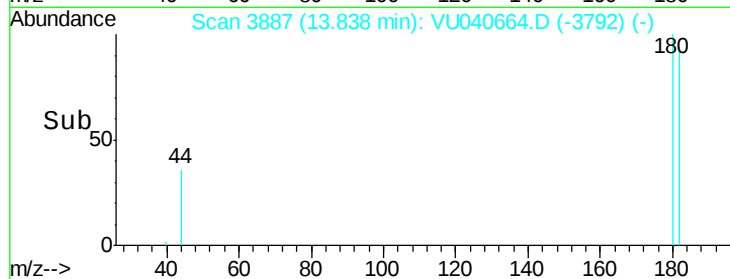
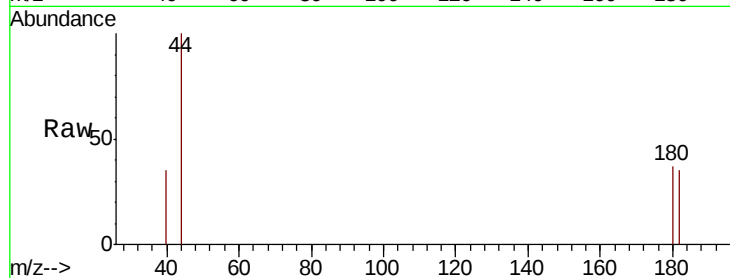
Tot Ion:180 Resp: 335

Ion Ratio Lower Upper

180 100

182 57.3 78.8 118.2#

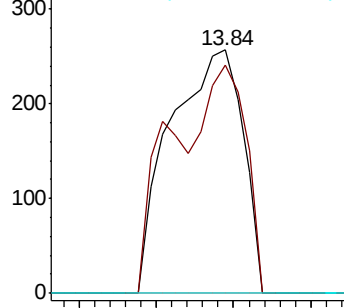
145 0.0 26.1 39.1#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



Time-->