

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101220\
 Data File : VU040663.D
 Acq On : 12 Oct 2020 16:56
 Operator : SY/MD
 Sample : L4345-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY5

Quant Time: Oct 13 04:42:32 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	123237	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51979	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	43698	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.92	69	37473	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	68029	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.66	46	175001	53.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	5.08	84	91980	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	55913	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.74	84	161771	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	55293	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.91	98	130305	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	21987	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.64	63	120584	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48868	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	52521	5.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.00%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	820	0.079 ug/L	90
8) Chloroethane	1.97	64	357	0.051 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	658	0.064 ug/L #	20
13) Acetone	2.67	43	6637	2.620 ug/L	59
14) Carbon disulfide	2.81	76	24735	1.005 ug/L	95
25) Chloroform	5.11	83	5796	0.298 ug/L	93
27) 1,2-Dichloroethane	5.75	62	1077	0.078 ug/L #	77
34) Trichloroethene	6.55	95	3333	0.322 ug/L	94
35) Methylcyclohexane	6.70	83	13568	0.923 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6212	0.558 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1716	0.113 ug/L #	71
44) trans-1,3-Dichloropropene	8.19	75	1062	0.076 ug/L #	69
47) Tetrachloroethene	8.56	164	2648	0.358 ug/L	99
48) 2-Hexanone	8.68	43	3525	0.533 ug/L #	68
49) Dibromochloromethane	8.56	129	2717	0.283 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6902	0.844 ug/L #	81
67) 1,3,5-Trichlorobenzene	13.83	180	970	0.080 ug/L #	93

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QLast Update : Tue Oct 13 04:32:46 2020
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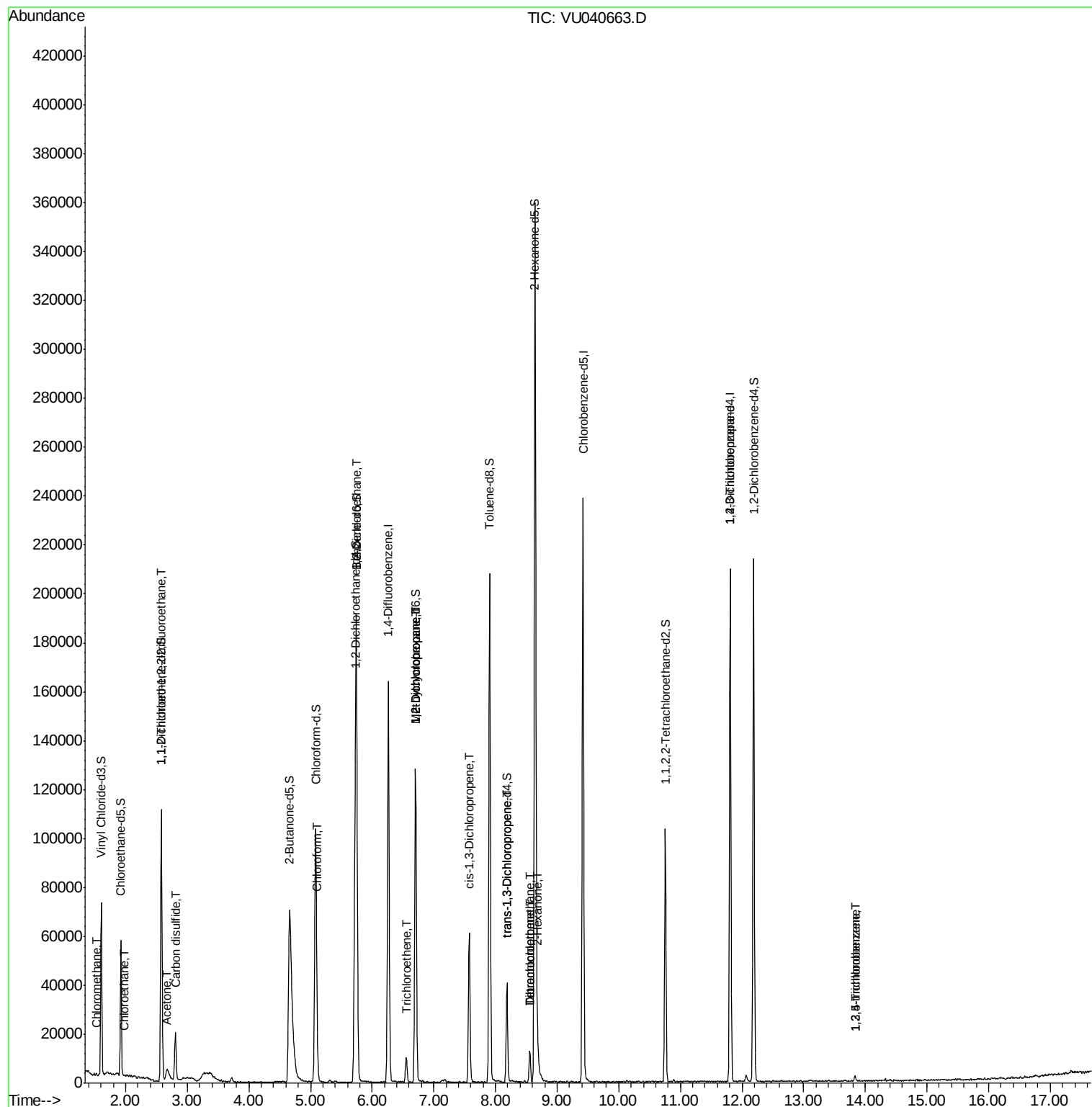
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.83	180	970	0.104	ug/L	97

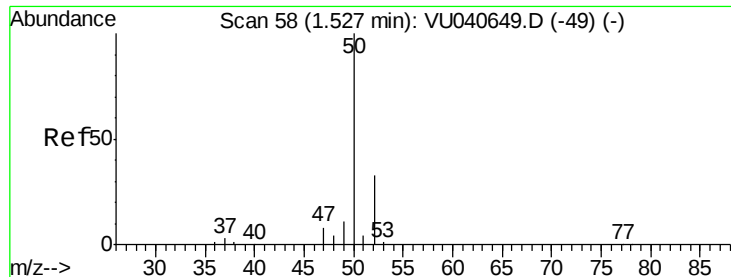
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.079 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040663.D

Acq: 12 Oct 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

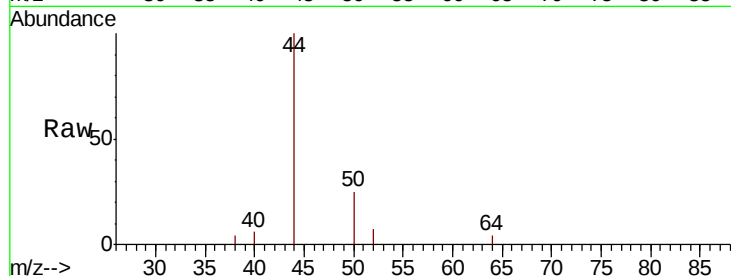
YAQY5

Tot Ion: 50 Resp: 820

Ion Ratio Lower Upper

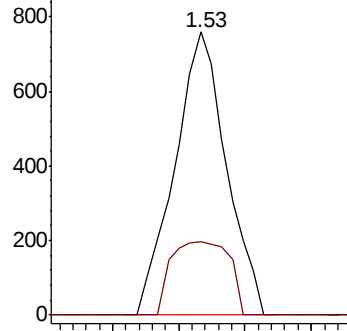
50 100

52 25.8 21.9 40.7

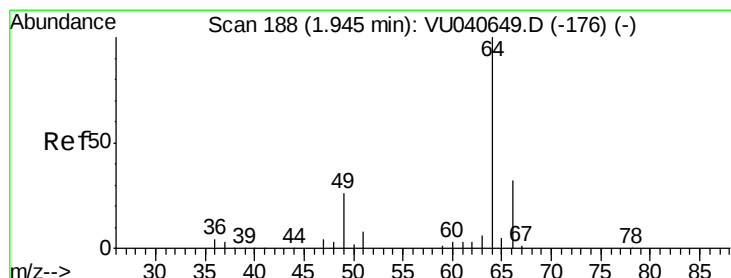
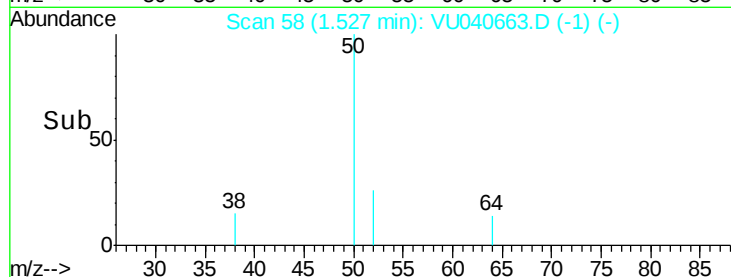


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#8

Chloroethane

Concen: 0.051 ug/L

RT: 1.97 min Scan# 197

Delta R.T. 0.03 min

Lab File: VU040663.D

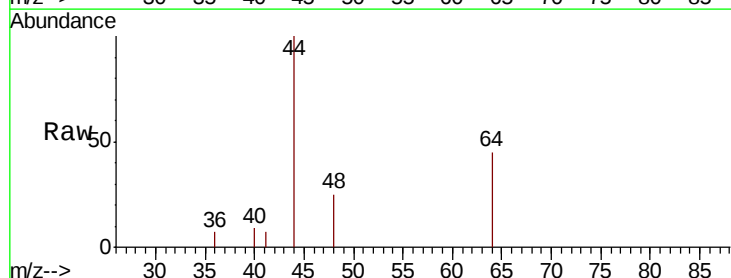
Acq: 12 Oct 2020 16:56

Tgt Ion: 64 Resp: 357

Ion Ratio Lower Upper

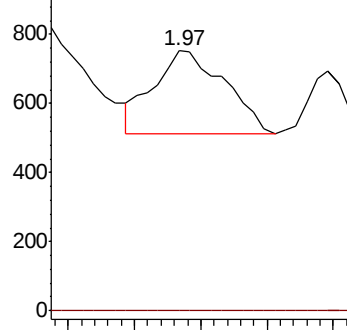
64 100

66 0.0 23.3 43.3#

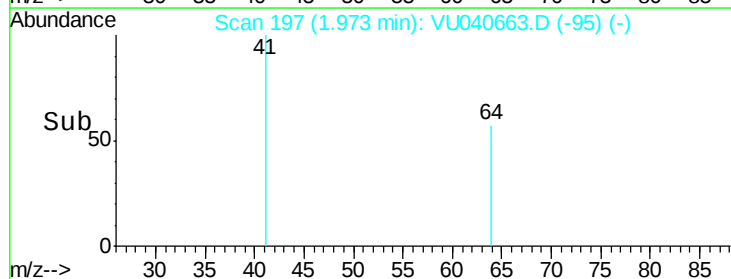


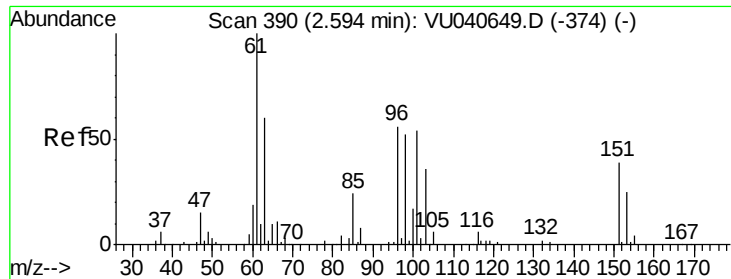
Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time-->





#10

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

Concen: 0.064 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040663.D

Acq: 12 Oct 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

YAQY5

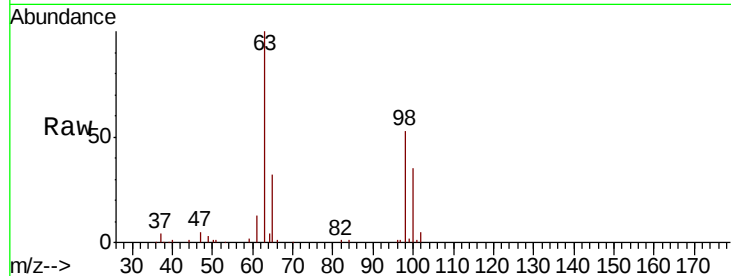
Tot Ion:101 Resp: 658

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#

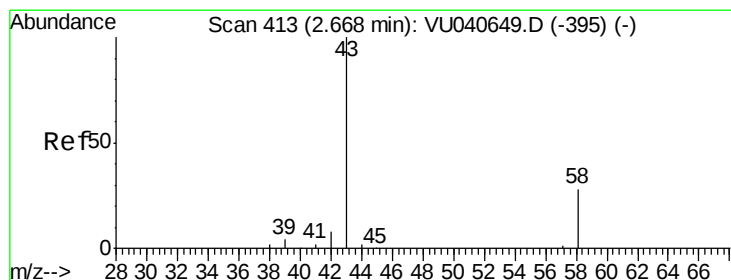
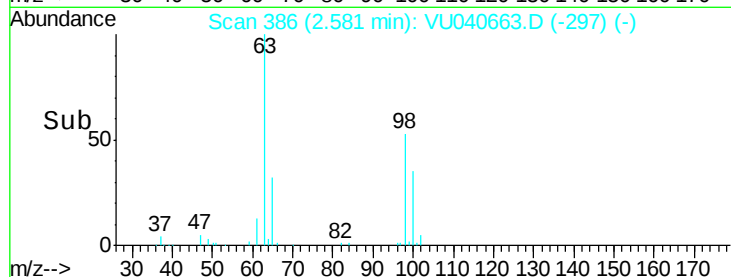
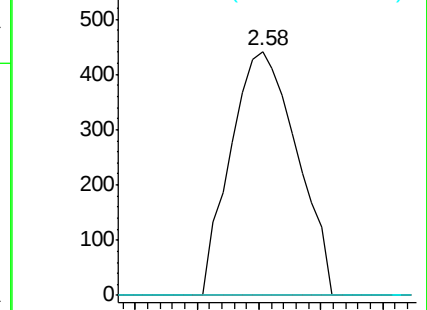


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

2.58



#13

Acetone

Concen: 2.620 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU040663.D

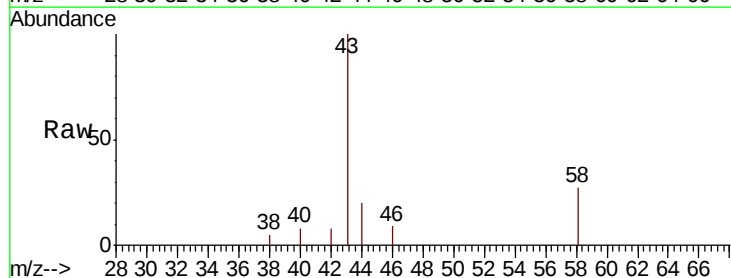
Acq: 12 Oct 2020 16:56

Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

43 100

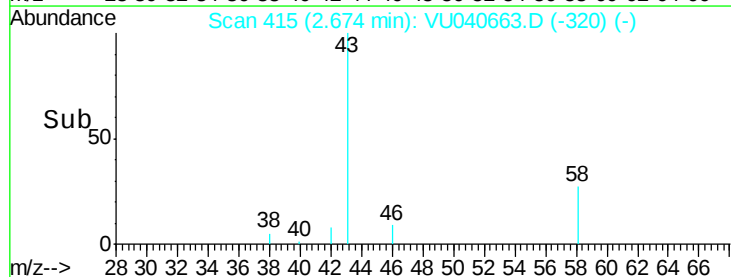
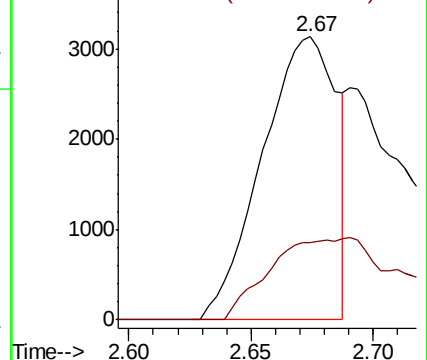
58 52.7 0.0 60.6

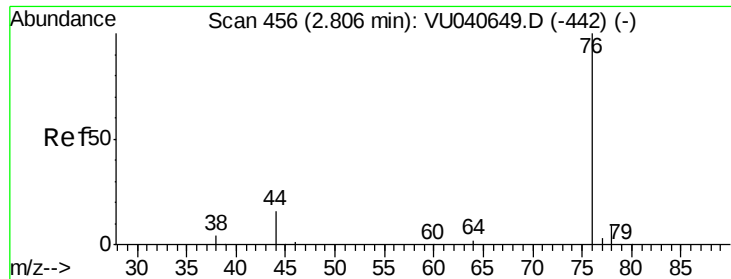


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

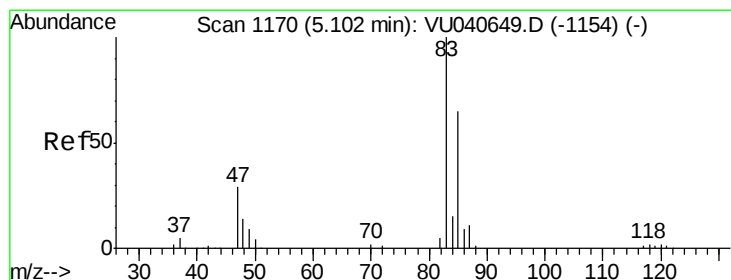
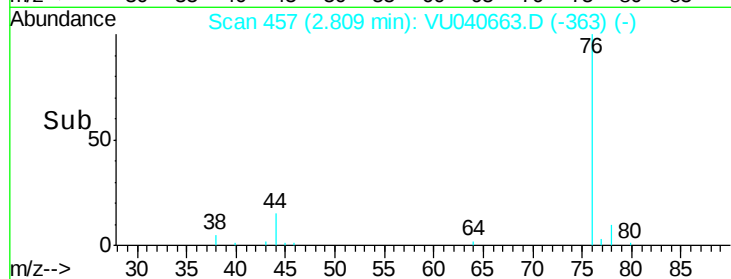
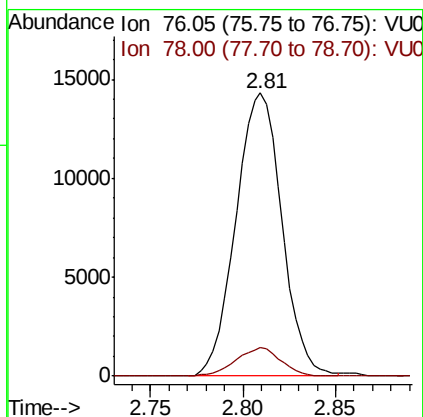
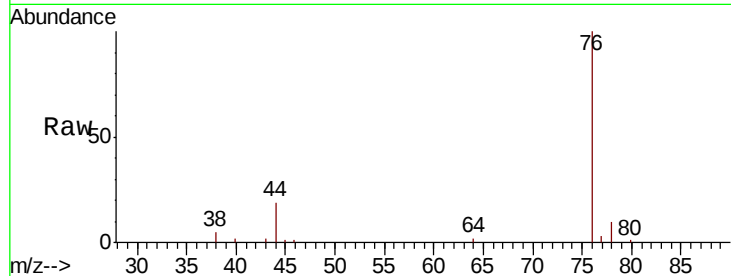




#14
Carbon disulfide
Concen: 1.005 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

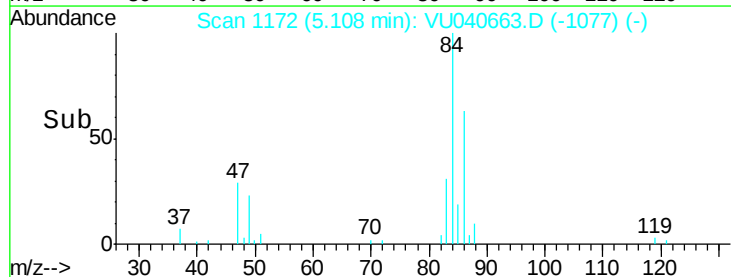
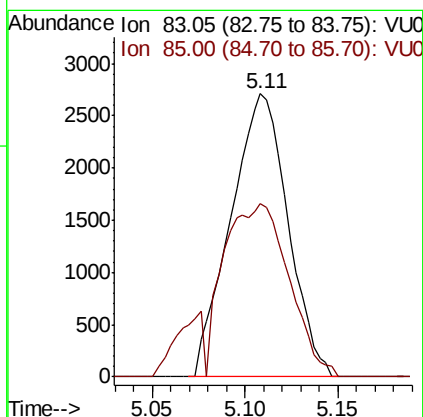
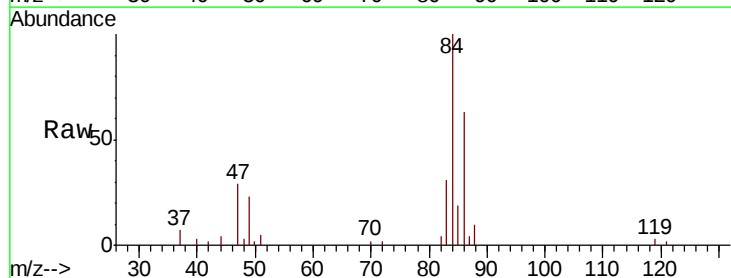
Instrument :
MSVOA_U
ClientSampleId :
YAQY5

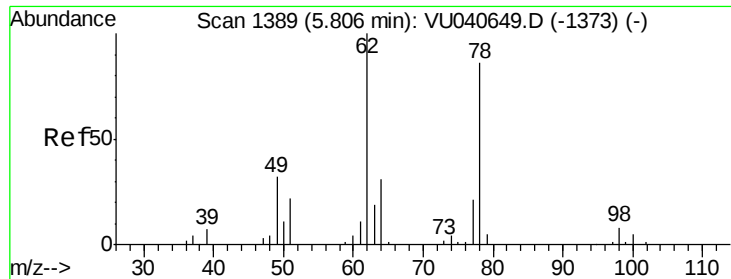
Tot Ion: 76 Resp: 24735
Ion Ratio Lower Upper
76 100
78 10.1 6.8 10.2



#25
Chloroform
Concen: 0.298 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

Tgt Ion: 83 Resp: 5796
Ion Ratio Lower Upper
83 100
85 61.2 46.5 86.5

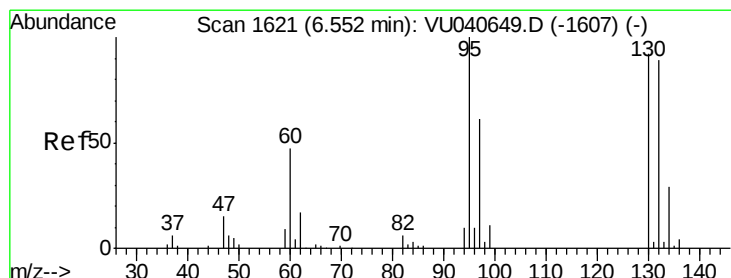
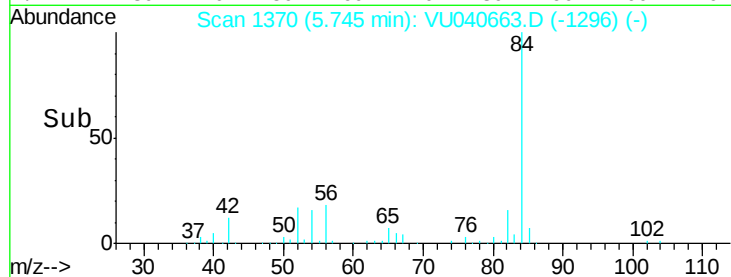
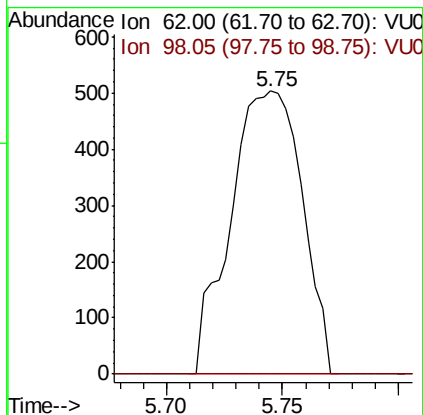
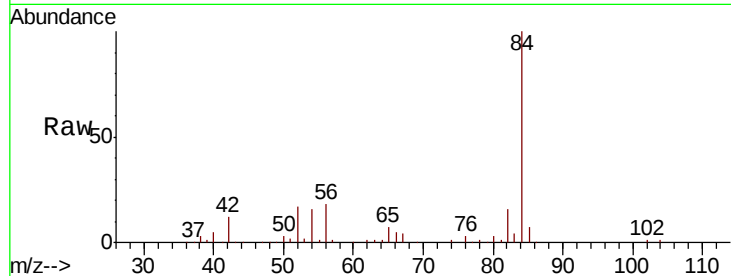




#27
 1,2-Dichloroethane
 Concen: 0.078 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040663.D
 Acq: 12 Oct 2020 16:56

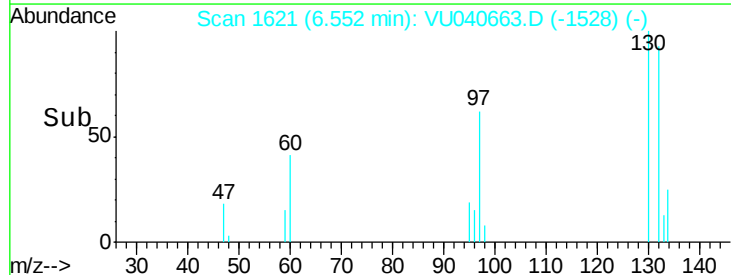
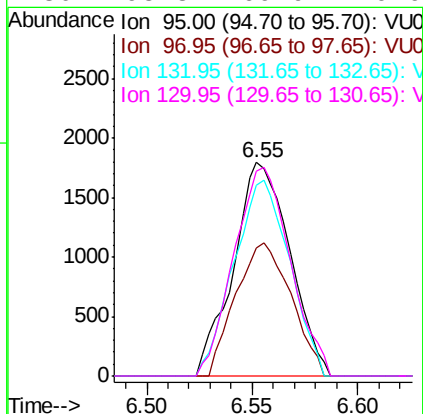
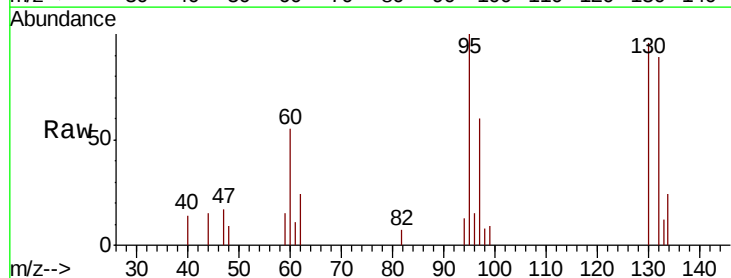
Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY5

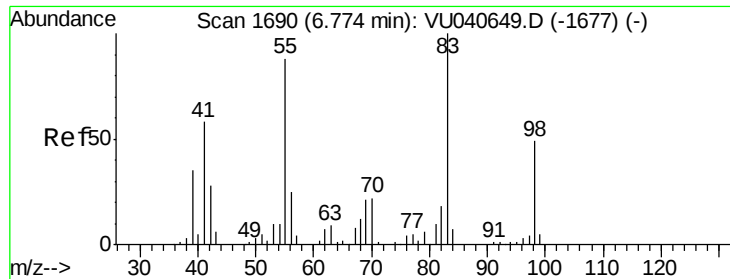
Tot Ion: 62 Resp: 1077
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#34
 Trichloroethene
 Concen: 0.322 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040663.D
 Acq: 12 Oct 2020 16:56

Tgt Ion: 95 Resp: 3333
 Ion Ratio Lower Upper
 95 100
 97 59.8 45.5 84.5
 132 89.2 67.5 125.4
 130 95.8 69.9 129.9

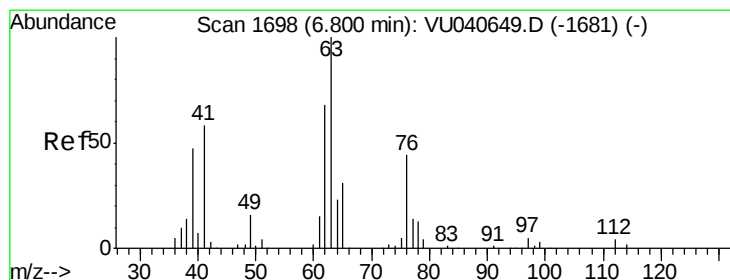
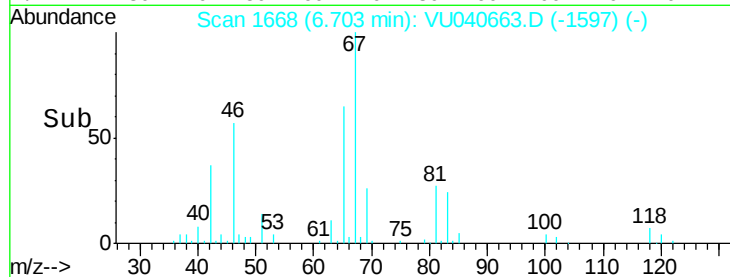
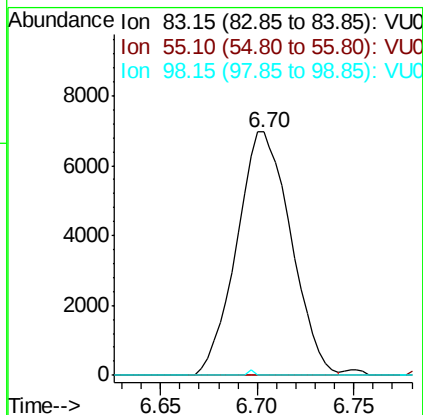
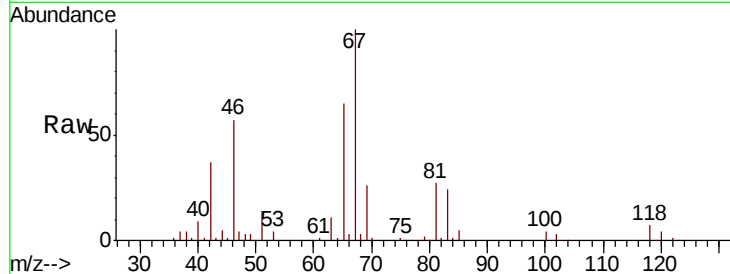




#35
Methvlcvclohexane
Concen: 0.923 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

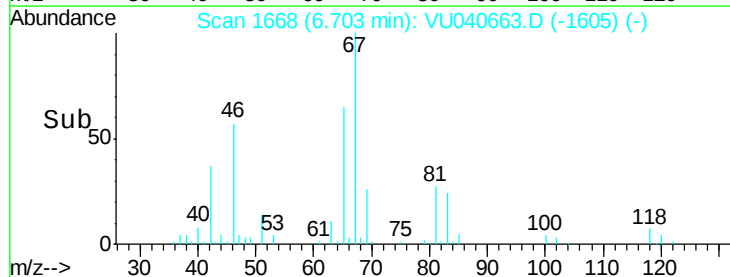
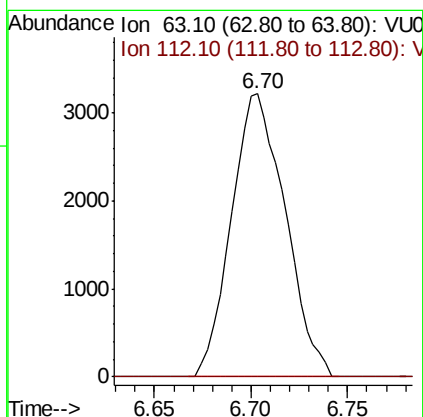
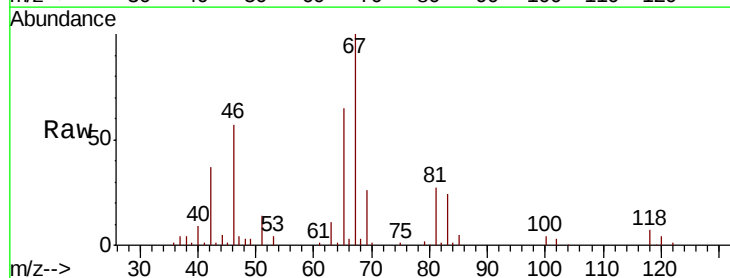
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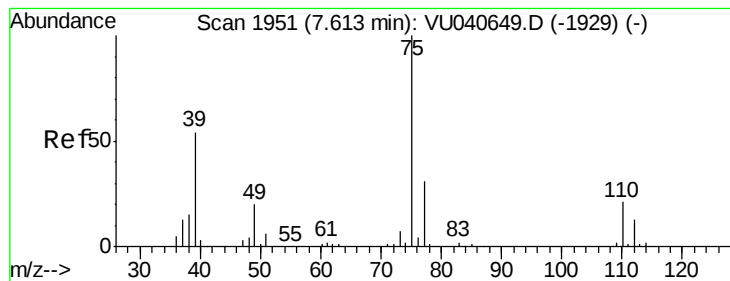
Tot Ion: 83 Resp: 13568
Ion Ratio Lower Upper
83 100
55 0.3 70.7 106.1#
98 0.2 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.558 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

Tgt Ion: 63 Resp: 6212
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



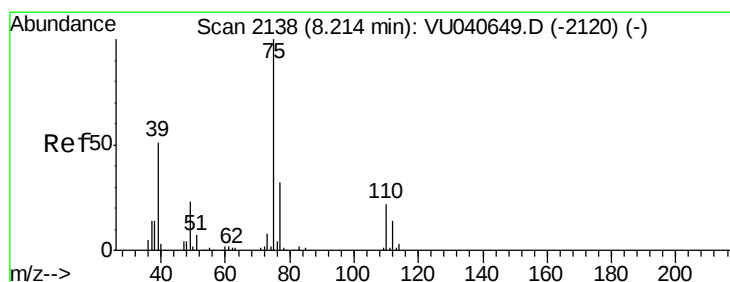
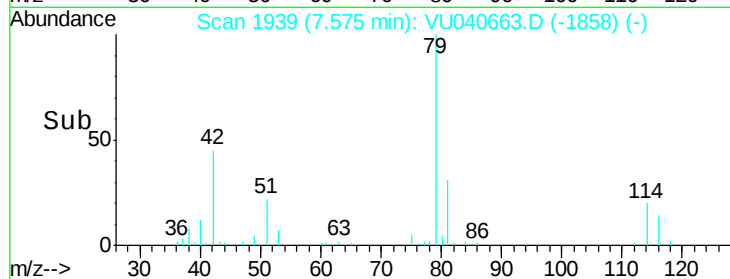
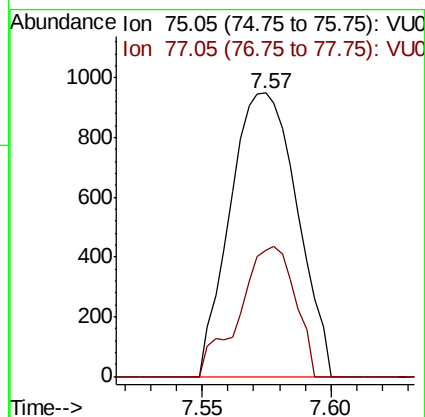
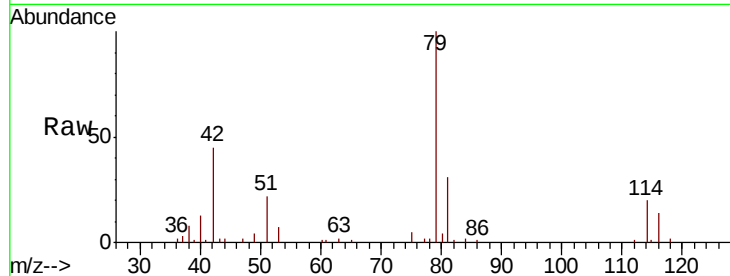


#39

cis-1,3-Dichloropropene
Concen: 0.113 ug/L
RT: 7.57 min Scan# 1939
Delta R.T. -0.04 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

Instrument :
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ClientSampleId :
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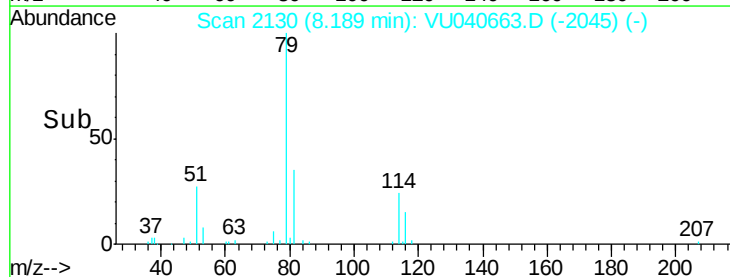
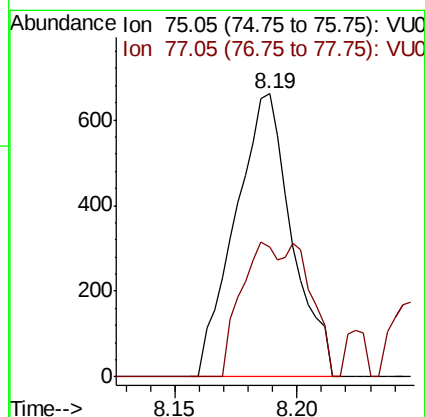
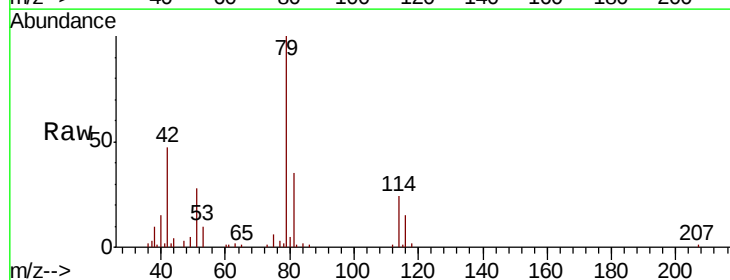
Tot Ion: 75 Resp: 1716
Ion Ratio Lower Upper
75 100
77 44.7 20.5 38.1#

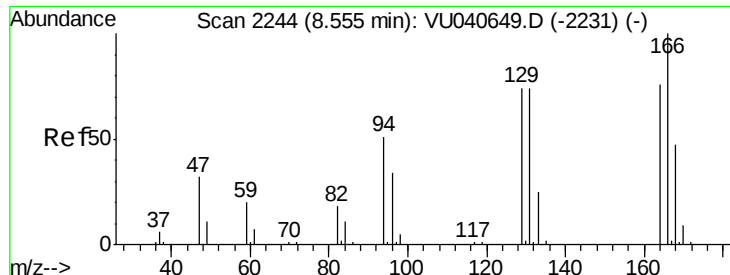


#44

trans-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU040663.D
Acq: 12 Oct 2020 16:56

Tgt Ion: 75 Resp: 1062
Ion Ratio Lower Upper
75 100
77 45.8 20.4 38.0#





#47

Tetrachloroethene

Concen: 0.358 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040663.D

Acq: 12 Oct 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

YAQY5

Tot Ion:164 Resp: 2648

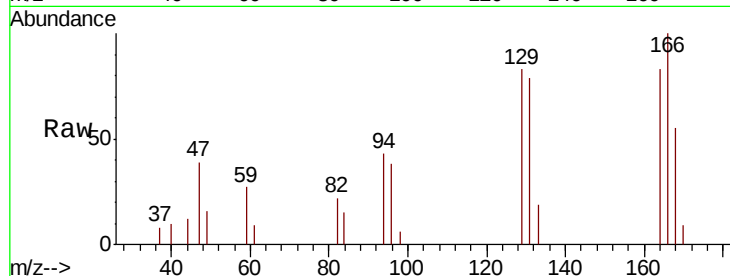
Ion Ratio Lower Upper

164 100

129 100.6 68.8 127.8

131 96.1 66.7 123.9

166 121.0 83.9 155.7

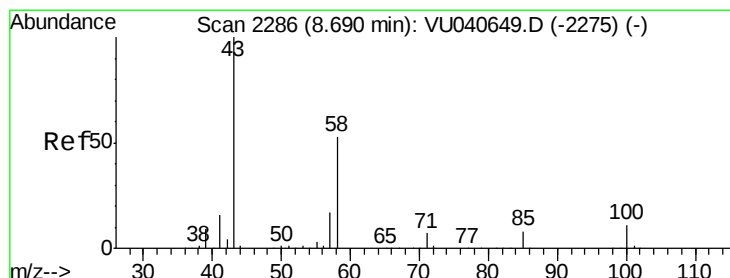
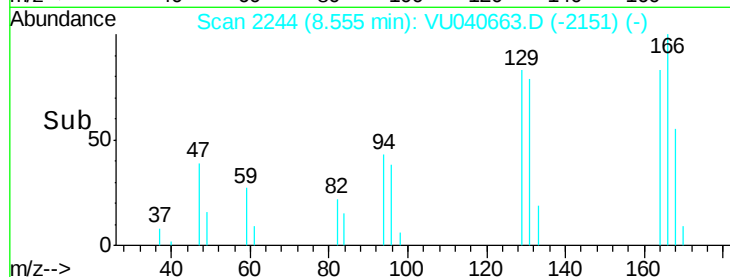
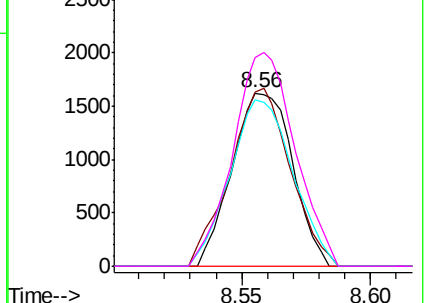


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.533 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VU040663.D

Acq: 12 Oct 2020 16:56

Tgt Ion: 43 Resp: 3525

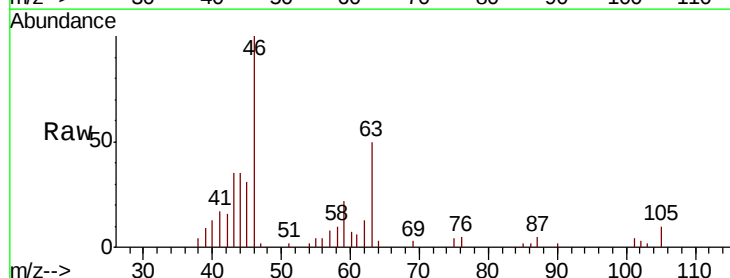
Ion Ratio Lower Upper

43 100

58 30.4 41.0 61.6#

57 0.0 14.4 21.6#

100 0.0 8.6 13.0#

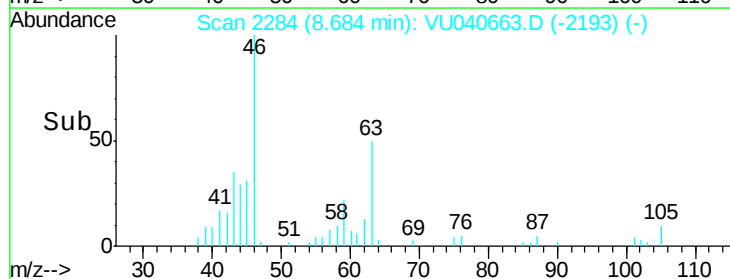
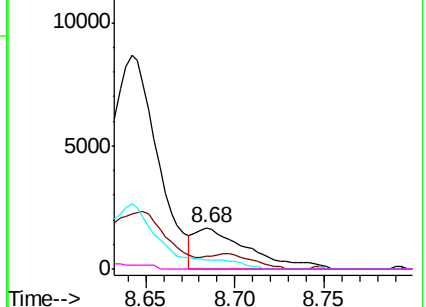


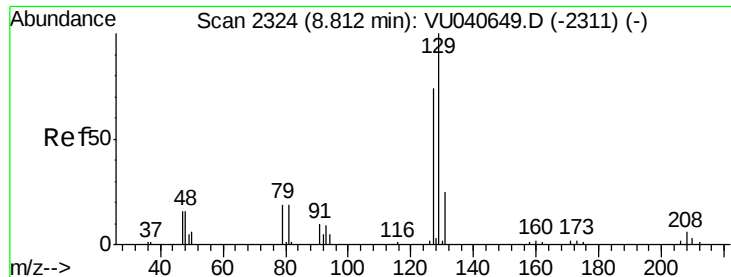
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.283 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040663.D

Acq: 12 Oct 2020 16:56

Instrument :

MSVOA_U

ClientSampleId :

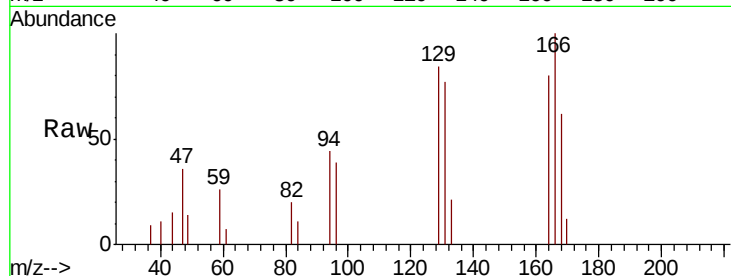
YAY5

Tot Ion:129 Resp: 2717

Ion Ratio Lower Upper

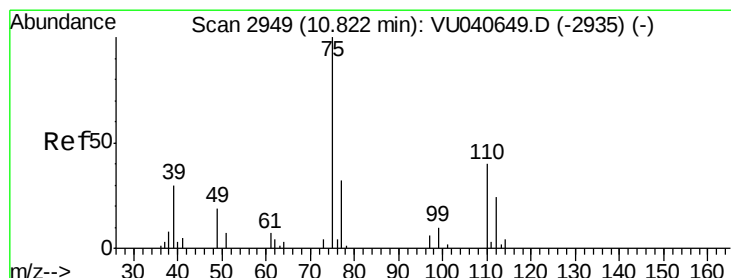
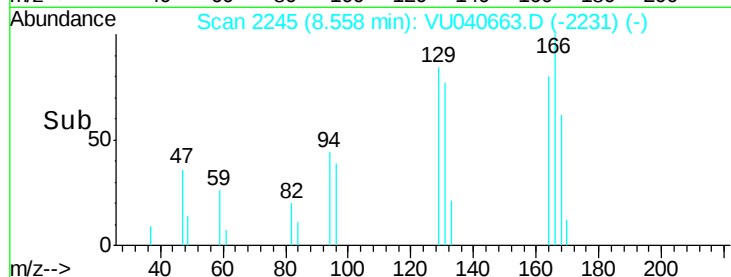
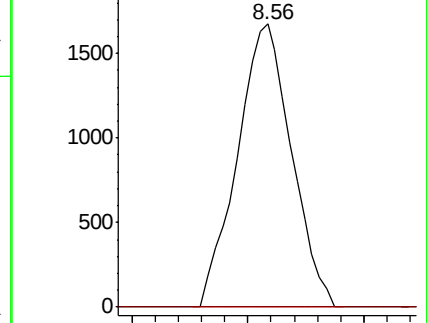
129 100

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: 0.844 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040663.D

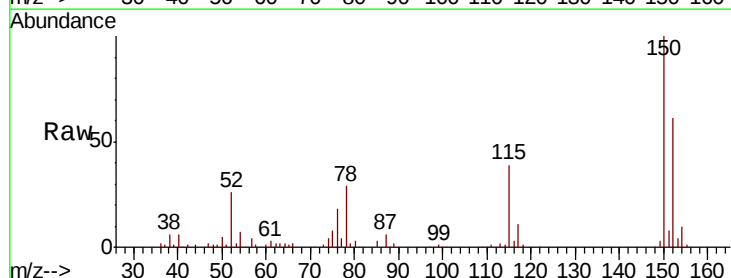
Acq: 12 Oct 2020 16:56

Tgt Ion: 75 Resp: 6902

Ion Ratio Lower Upper

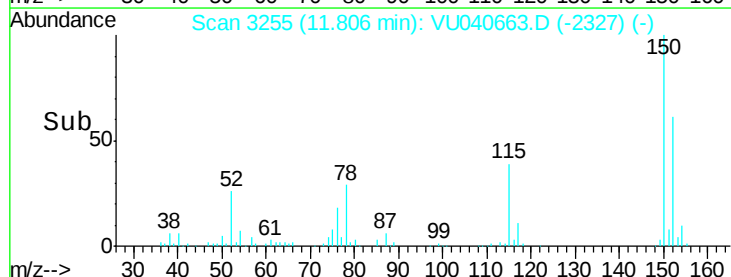
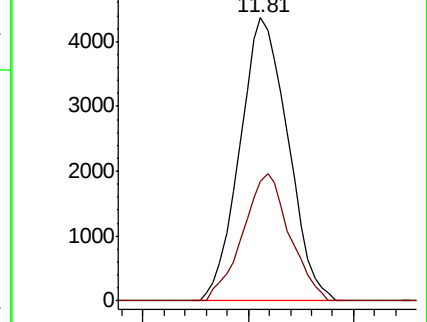
75 100

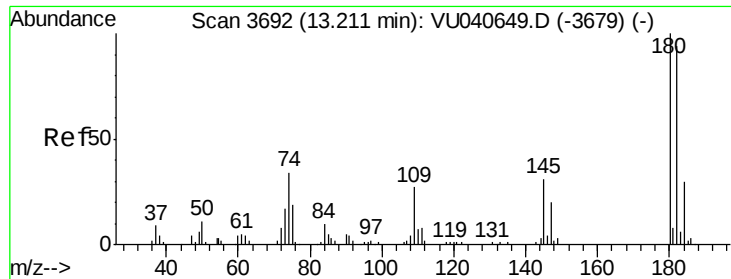
77 43.7 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

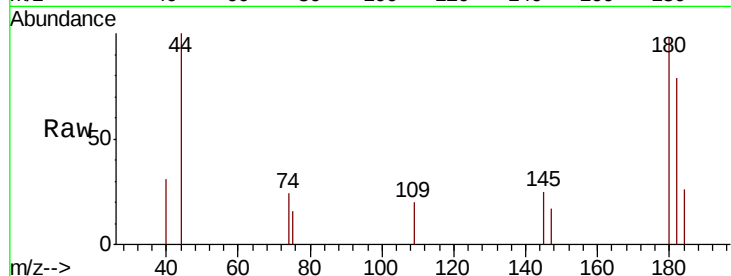




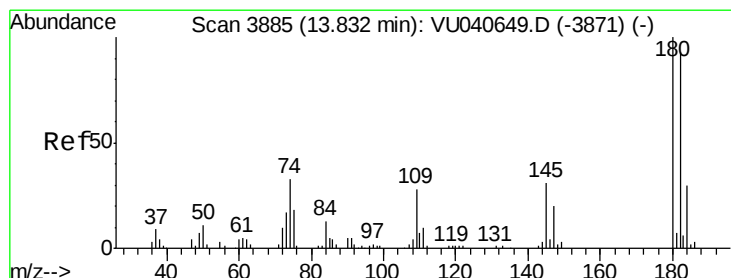
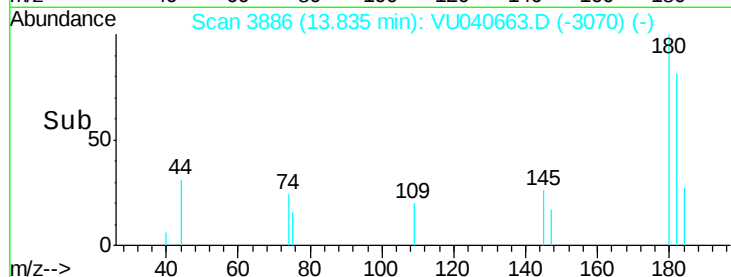
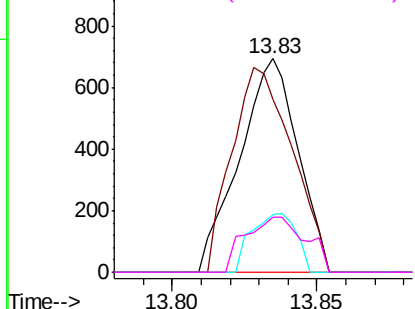
#67
 1,3,5-Trichlorobenzene
 Concen: 0.080 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.62 min
 Lab File: VU040663.D
 Acq: 12 Oct 2020 16:56

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQY5

Tot Ion:180 Resp: 970
 Ion Ratio Lower Upper
 180 100
 182 99.1 77.0 115.4
 184 21.1 24.5 36.7#
 145 26.6 25.9 38.9

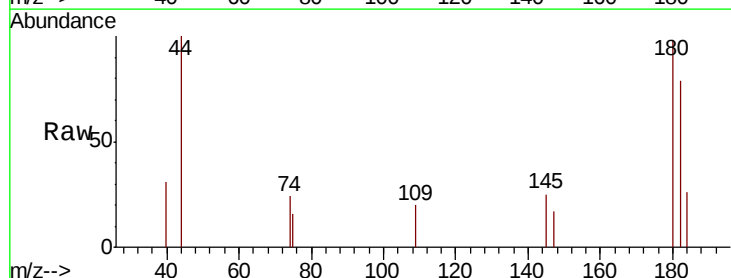


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.104 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040663.D
 Acq: 12 Oct 2020 16:56

Tgt Ion:180 Resp: 970
 Ion Ratio Lower Upper
 180 100
 182 99.1 78.8 118.2
 145 26.6 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

