

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100820\
 Data File : VU040571.D
 Acq On : 08 Oct 2020 19:04
 Operator : SY/MD
 Sample : L4286-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ8

Quant Time: Oct 09 02:05:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 01:55:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138270	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	138022	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60394	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	58033	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.92	69	45969	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.58	63	85795	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.66	46	195479	53.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.64%
24) Chloroform-d	5.08	84	103206	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	62670	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.75	84	195022	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.70	67	65857	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.91	98	163183	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.19	79	26676	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.64	63	144603	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55735	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	65217	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

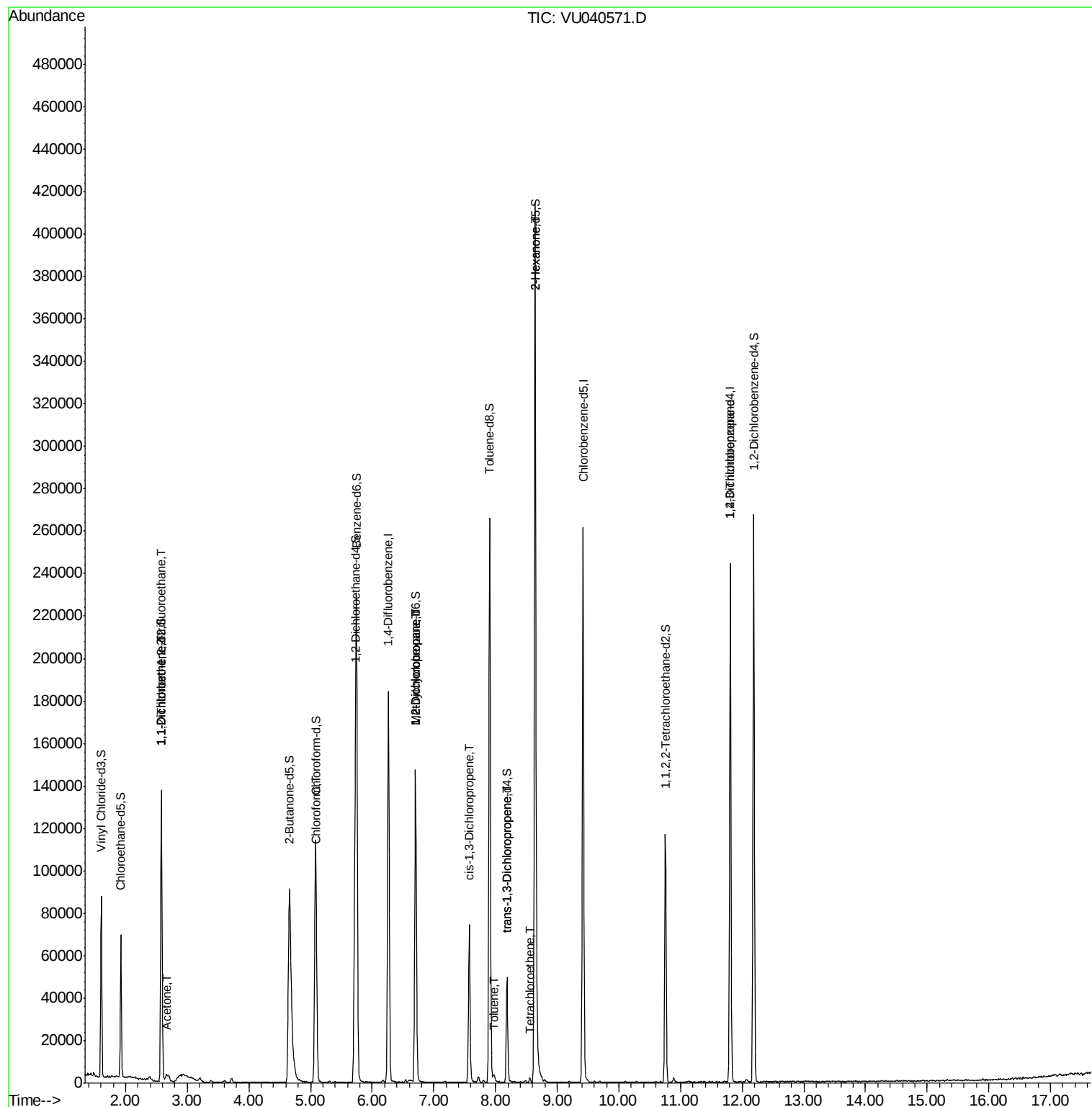
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	735	0.064	ug/L #	20
12) 1,1-Dichloroethene	2.57	96	556	0.056	ug/L #	1
13) Acetone	2.67	43	7307	2.571	ug/L	75
25) Chloroform	5.10	83	1481	0.068	ug/L	94
35) Methylcyclohexane	6.71	83	15407	0.945	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	7286	0.590	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	2140	0.127	ug/L #	69
42) Toluene	7.98	91	2245	0.050	ug/L	86
44) trans-1,3-Dichloropropene	8.19	75	1178	0.076	ug/L	97
47) Tetrachloroethene	8.55	164	517	0.063	ug/L	82
48) 2-Hexanone	8.64	43	18793	2.563	ug/L #	70
59) 1,2,3-Trichloropropane	11.81	75	8705	0.959	ug/L	92

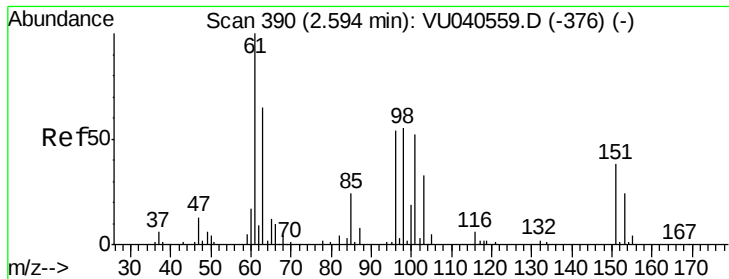
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.064 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

C0AQ8

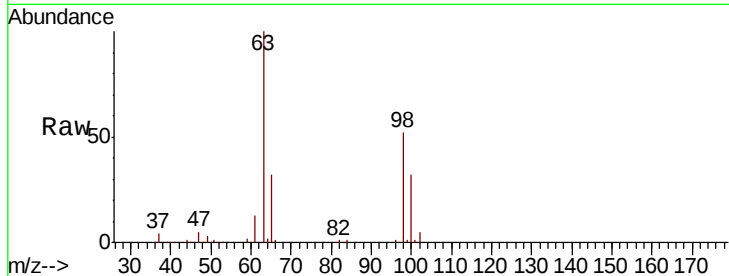
Tot Ion:101 Resp: 735

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

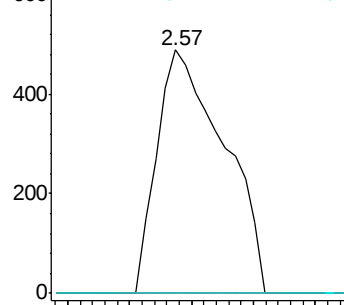
151 0.0 58.0 87.0#



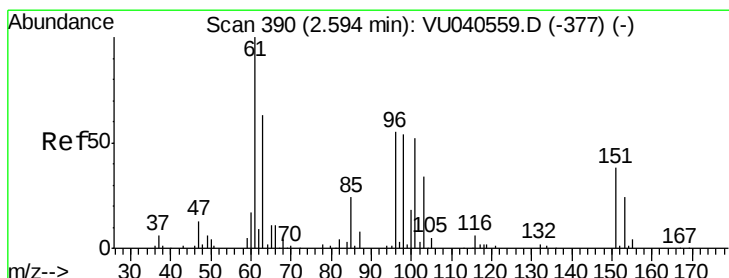
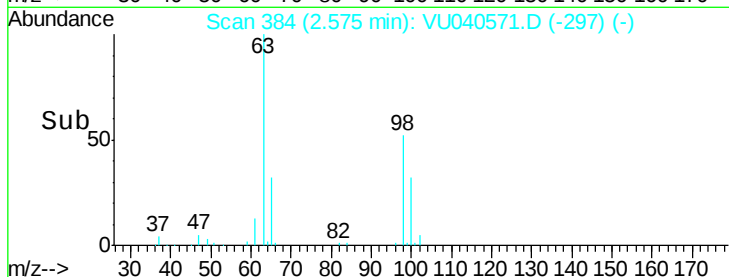
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.056 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

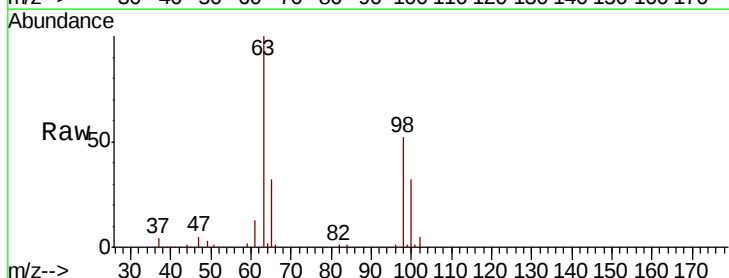
Tgt Ion: 96 Resp: 556

Ion Ratio Lower Upper

96 100

61 1651.9 128.8 239.2#

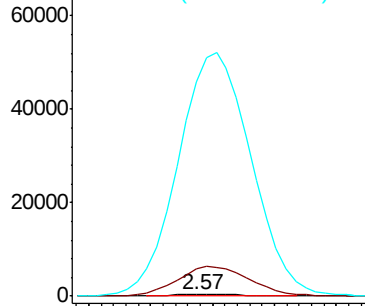
63 13137.0 84.6 157.2#



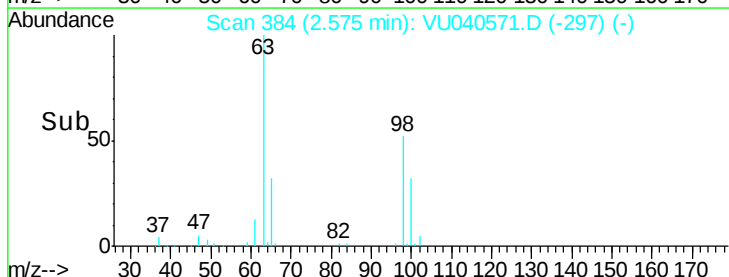
Abundance Ion 96.00 (95.70 to 96.70): VU0

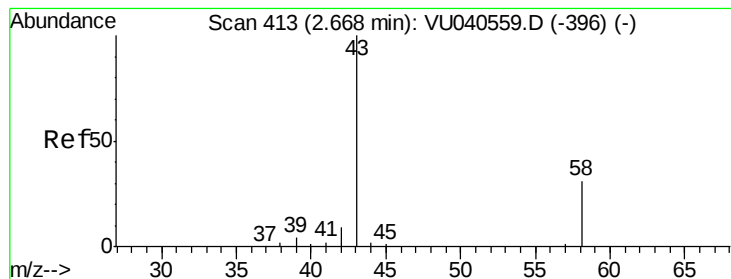
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 2.571 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

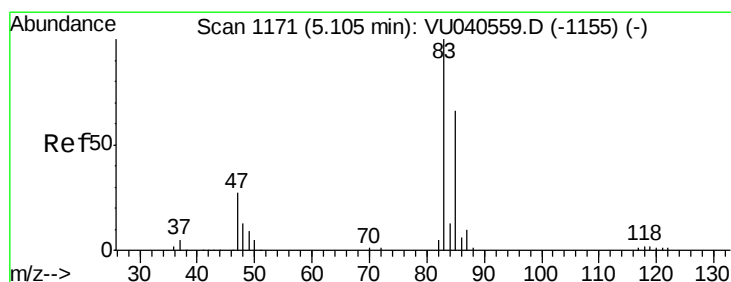
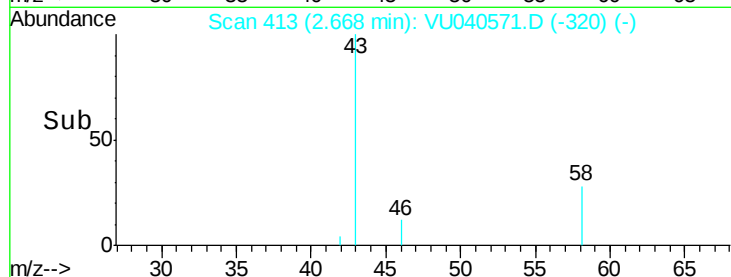
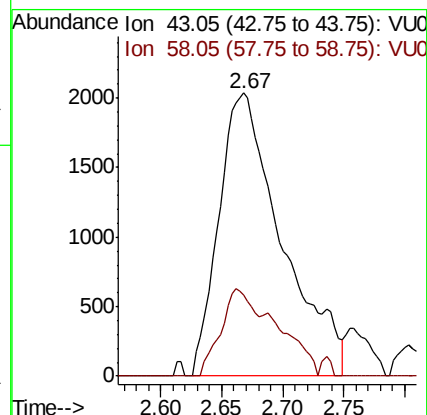
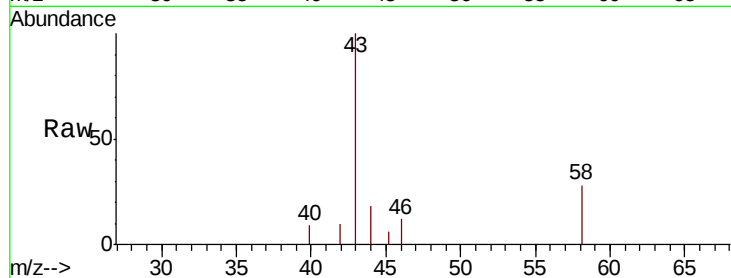
C0AQ8

Tot Ion: 43 Resp: 7307

Ion Ratio Lower Upper

43 100

58 16.6 0.0 60.6



#25

Chloroform

Concen: 0.068 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040571.D

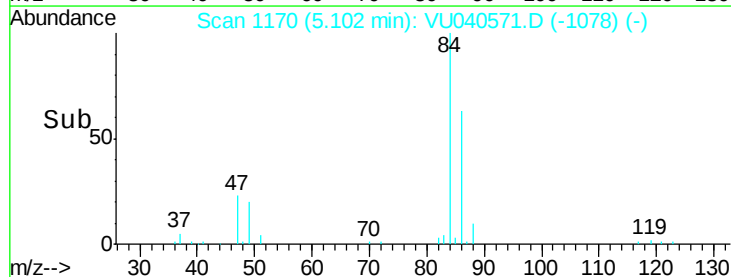
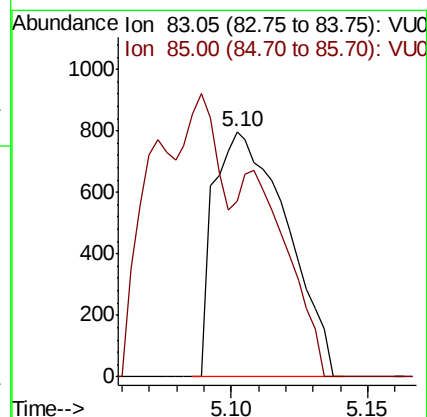
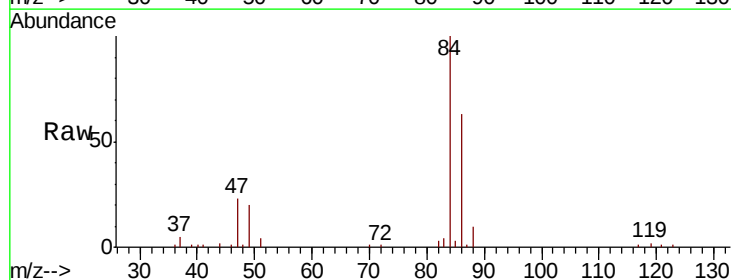
Acq: 08 Oct 2020 19:04

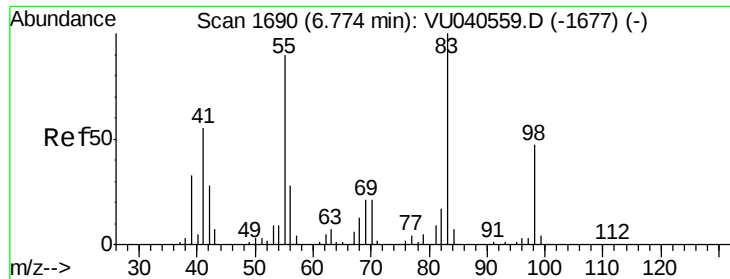
Tgt Ion: 83 Resp: 1481

Ion Ratio Lower Upper

83 100

85 71.6 46.5 86.5

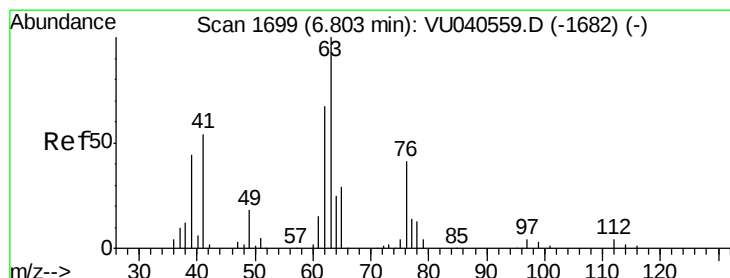
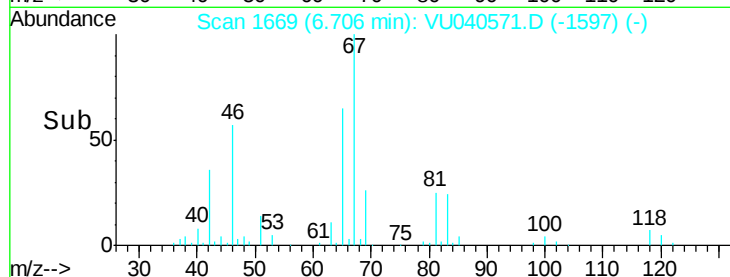
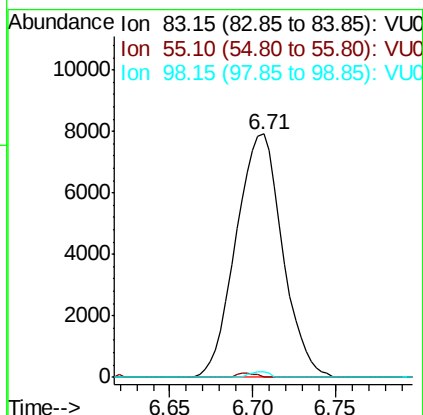
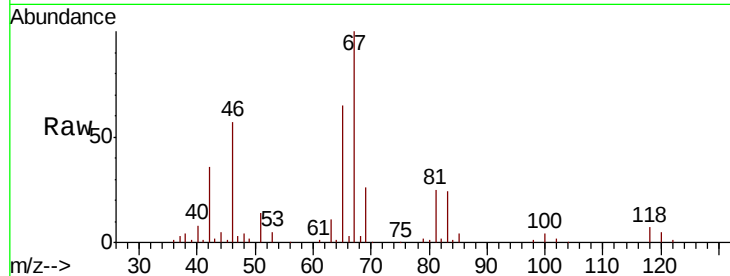




#35
Methvlcvclohexane
Concen: 0.945 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU040571.D
Acq: 08 Oct 2020 19:04

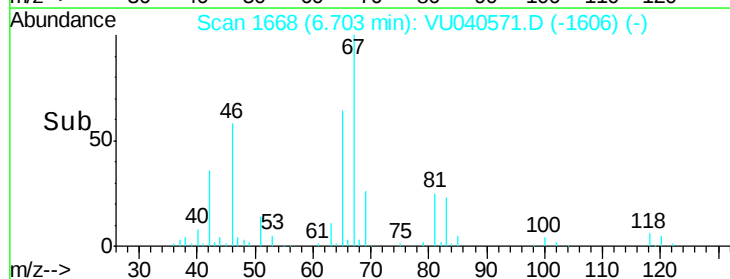
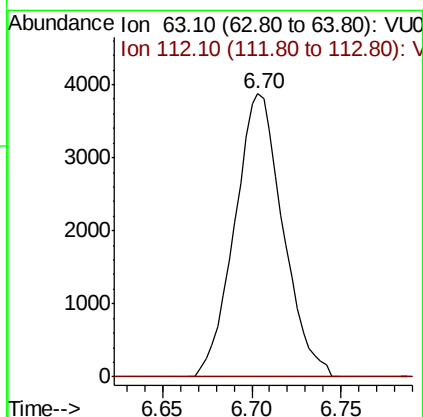
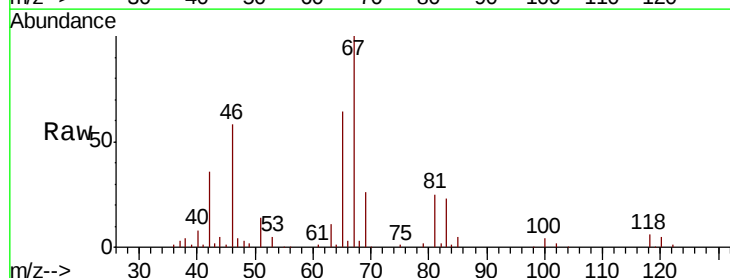
Instrument :
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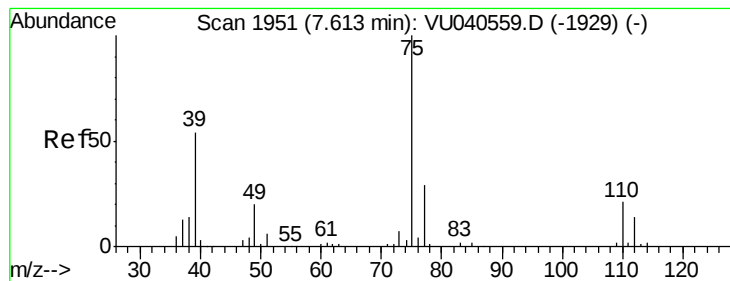
Tot Ion: 83 Resp: 15407
Ion Ratio Lower Upper
83 100
55 0.7 70.7 106.1#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040571.D
Acq: 08 Oct 2020 19:04

Tgt Ion: 63 Resp: 7286
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.127 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

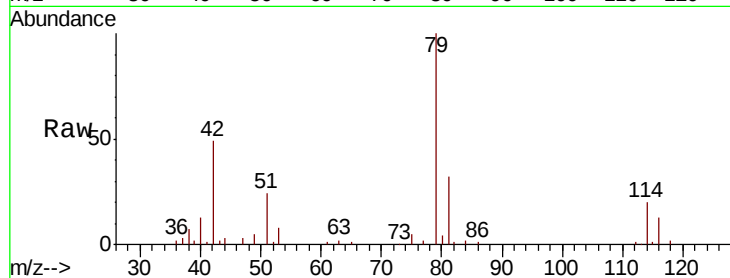
C0AQ8

Tot Ion: 75 Resp: 2140

Ion Ratio Lower Upper

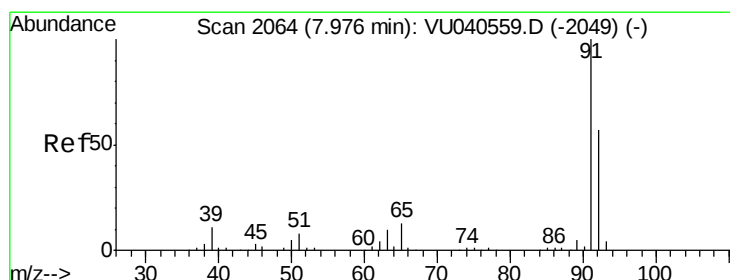
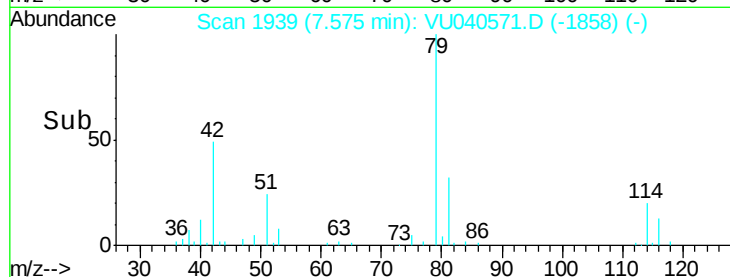
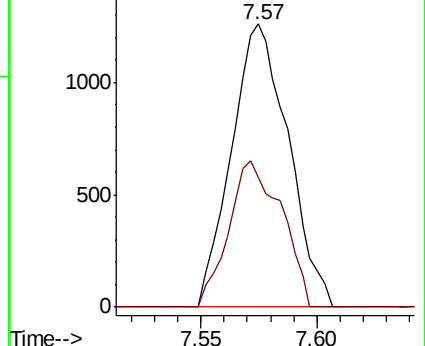
75 100

77 46.0 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#42

Toluene

Concen: 0.050 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU040571.D

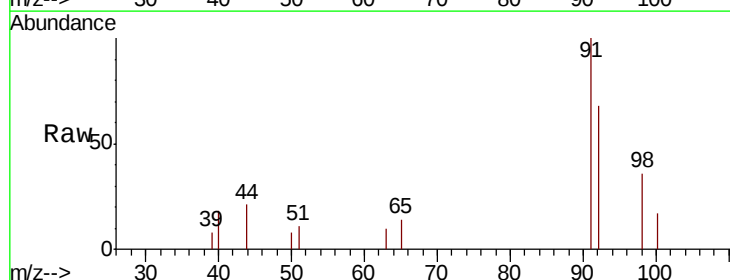
Acq: 08 Oct 2020 19:04

Tgt Ion: 91 Resp: 2245

Ion Ratio Lower Upper

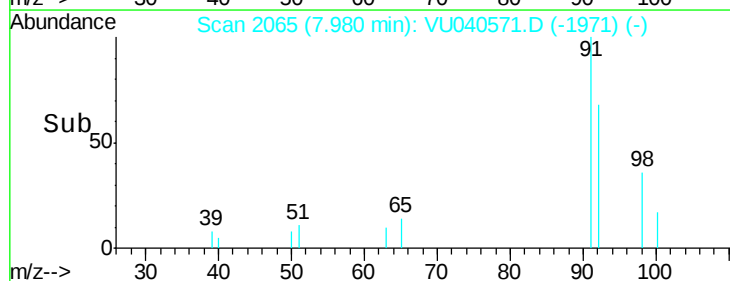
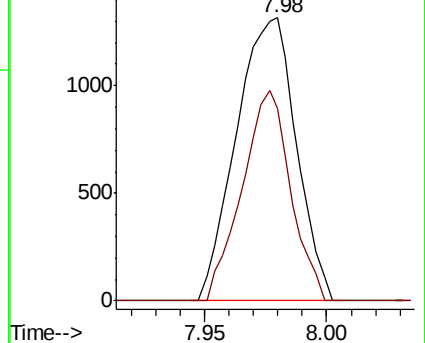
91 100

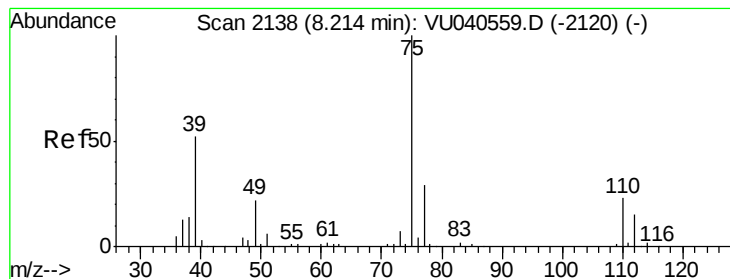
92 67.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

Instrument :

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ClientSampleId :

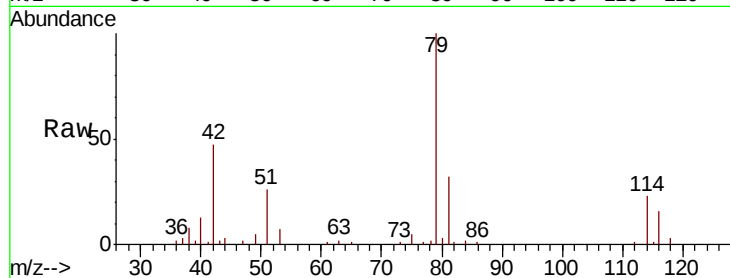
C0AQ8

Tot Ion: 75 Resp: 1178

Ion Ratio Lower Upper

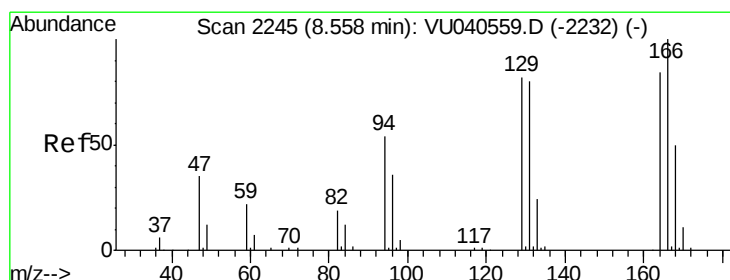
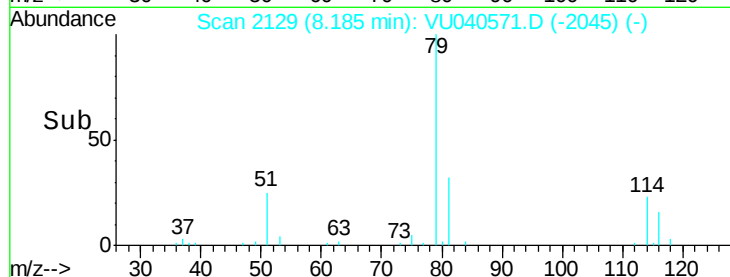
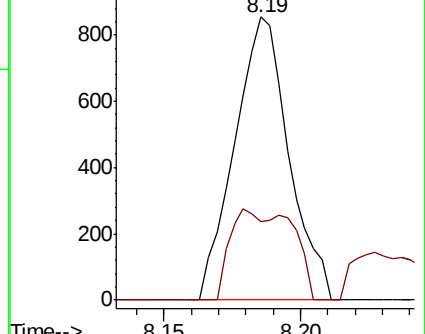
75 100

77 27.6 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040559.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040559.D (-2120) (-)



#47

Tetrachloroethene

Concen: 0.063 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.01 min

Lab File: VU040571.D

Acq: 08 Oct 2020 19:04

Tgt Ion:164 Resp: 517

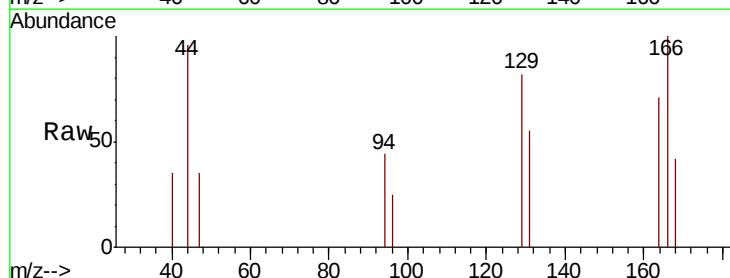
Ion Ratio Lower Upper

164 100

129 115.7 68.8 127.8

131 76.8 66.7 123.9

166 140.4 83.9 155.7

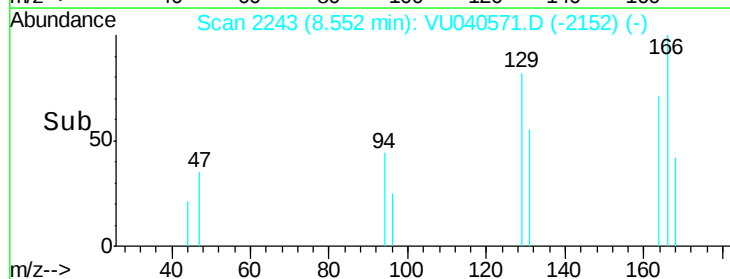
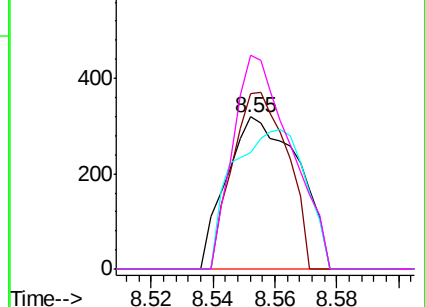


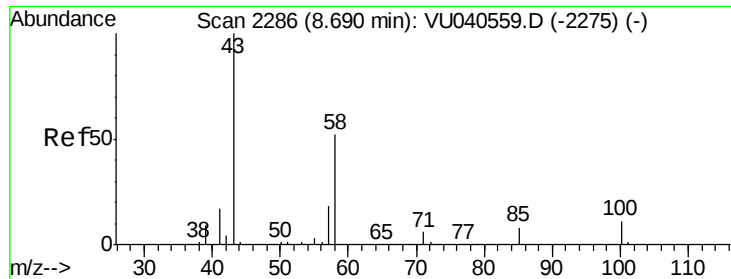
Abundance Ion 163.90 (163.60 to 164.60): VU040559.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040559.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040559.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040559.D (-2232) (-)

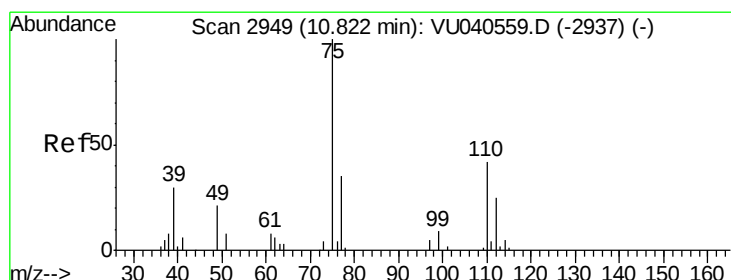
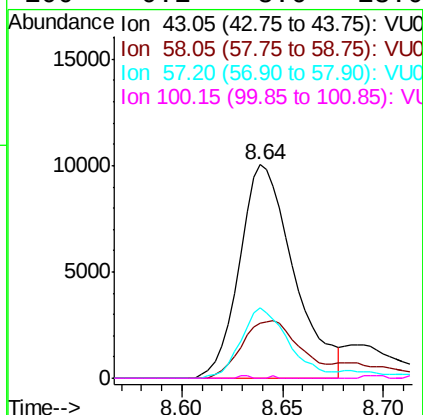
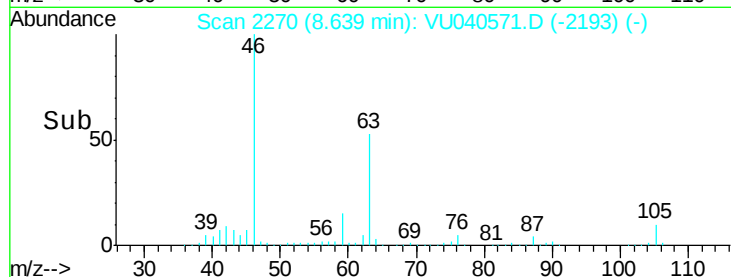
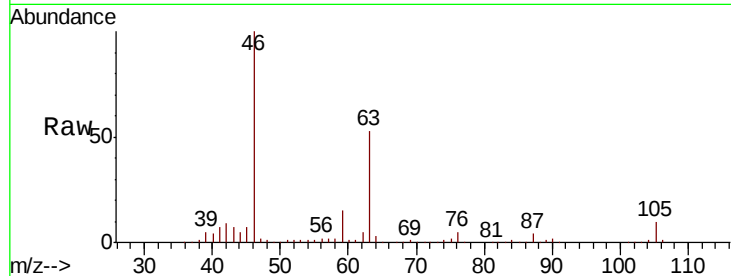




#48
 2-Hexanone
 Concen: 2.563 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU040571.D
 Acq: 08 Oct 2020 19:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ8

Tot Ion: 43 Resp: 18793
 Ion Ratio Lower Upper
 43 100
 58 28.5 41.0 61.6#
 57 29.0 14.4 21.6#
 100 0.1 8.6 13.0#



#59
 1,2,3-Trichloropropane
 Concen: 0.959 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU040571.D
 Acq: 08 Oct 2020 19:04

Tgt Ion: 75 Resp: 8705
 Ion Ratio Lower Upper
 75 100
 77 37.6 26.4 39.6

