

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040851.D
 Acq On : 20 Oct 2020 16:47
 Operator : SY/MD
 Sample : L4420-08DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ8DL

Quant Time: Oct 21 01:04:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	144412	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	152583	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	66546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44979	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.92	69	38765	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.58	63	113966	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.40%
20) 2-Butanone-d5	4.65	46	177098	46.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.50%
24) Chloroform-d	5.08	84	90614	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.72	65	56282	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.74	84	168244	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	6.70	67	58306	4.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.40%
41) Toluene-d8	7.91	98	136248	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	8.19	79	22056	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.64	63	129075	43.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52212	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	55190	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

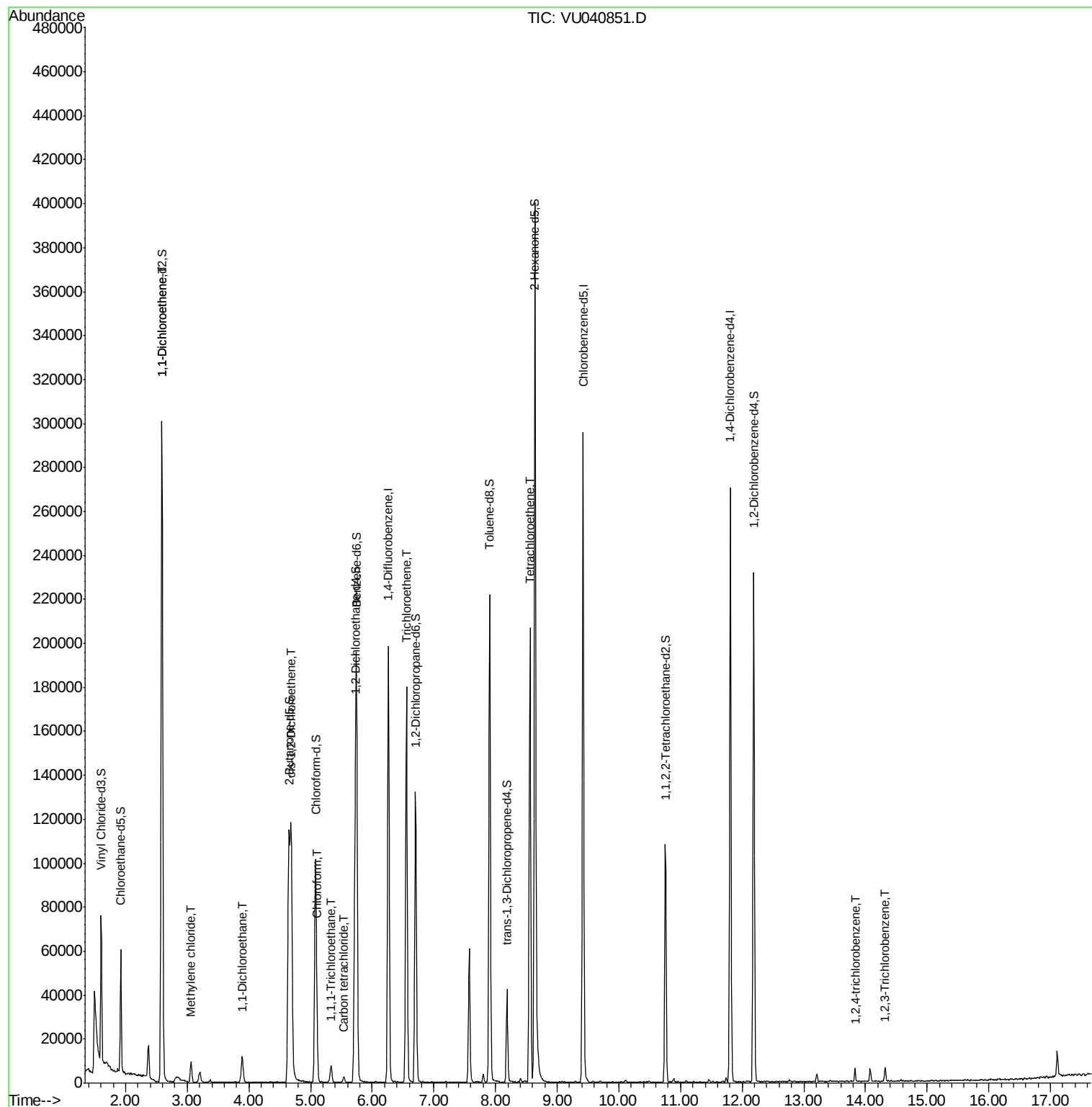
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	74734	7.253	ug/L	90
16) Methylene chloride	3.06	84	3880	0.293	ug/L	96
19) 1,1-Dichloroethane	3.89	63	13444	0.603	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	44507	3.826	ug/L	100
25) Chloroform	5.11	83	4766	0.209	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	5147	0.251	ug/L	99
31) Carbon tetrachloride	5.54	117	1504	0.086	ug/L	91
34) Trichloroethene	6.56	95	57470	4.523	ug/L	98
47) Tetrachloroethene	8.56	164	42847	4.726	ug/L	92
68) 1,2,4-trichlorobenzene	13.83	180	1929	0.162	ug/L	95
70) 1,2,3-Trichlorobenzene	14.32	180	2257	0.204	ug/L #	93

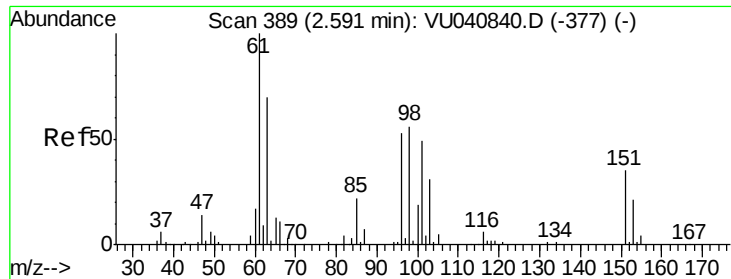
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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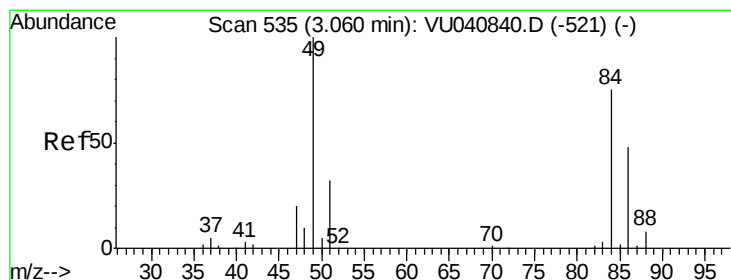
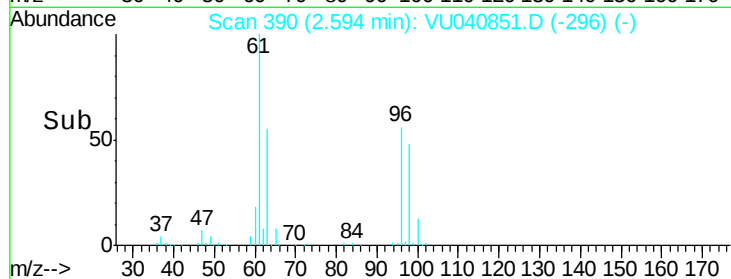
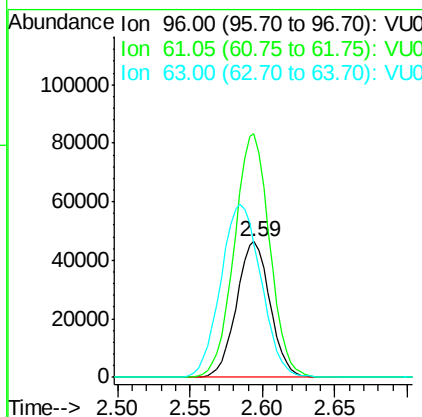
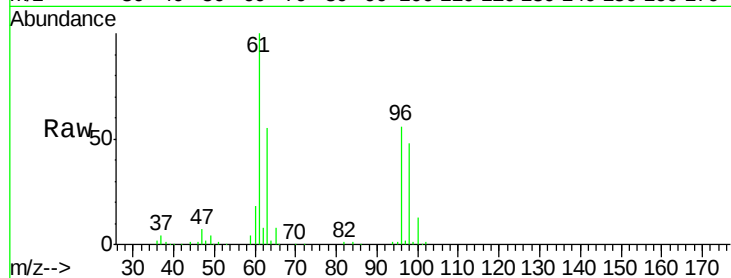




#12
 1,1-Dichloroethene
 Concen: 7.253 ug/L
 RT: 2.59 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VU040851.D
 Acq: 20 Oct 2020 16:47

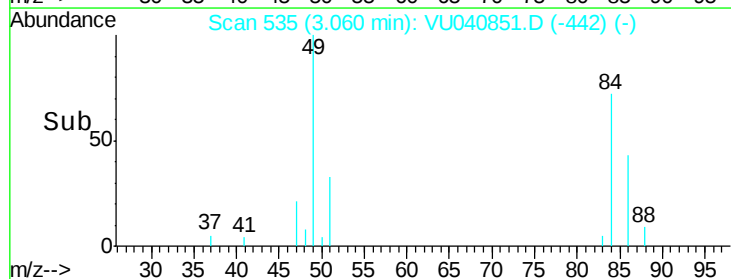
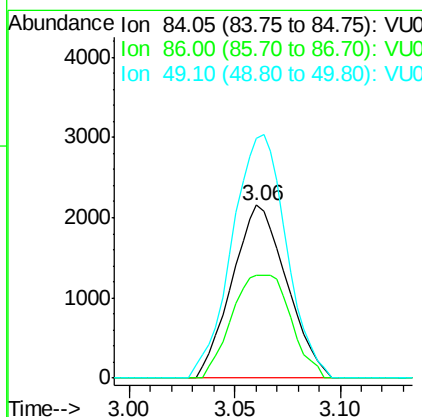
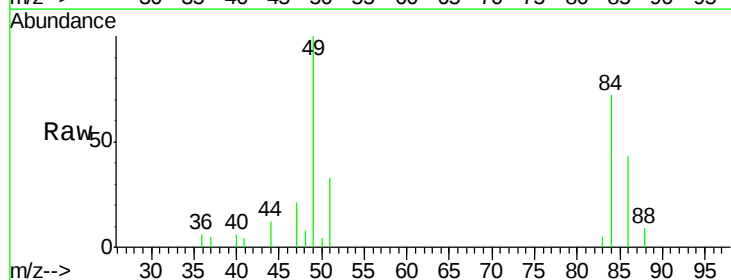
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ8DL

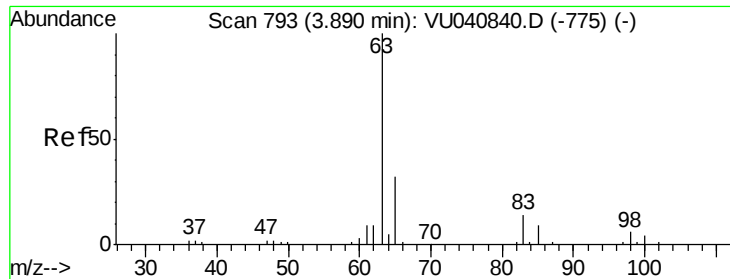
Tot Ion: 96 Resp: 74734
 Ion Ratio Lower Upper
 96 100
 61 179.7 128.8 239.2
 63 98.1 84.6 157.2



#16
 Methylene chloride
 Concen: 0.293 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VU040851.D
 Acq: 20 Oct 2020 16:47

Tgt Ion: 84 Resp: 3880
 Ion Ratio Lower Upper
 84 100
 86 59.4 45.4 84.4
 49 139.1 99.8 185.3

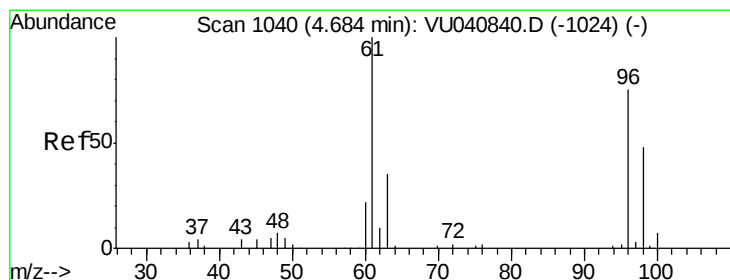
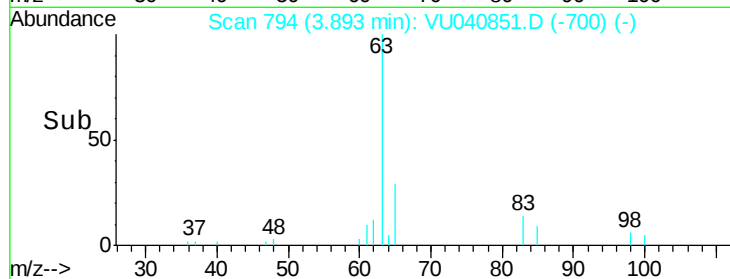
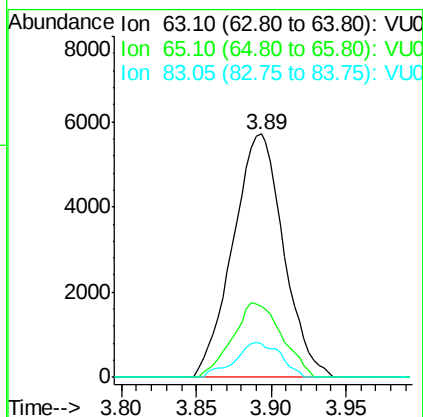
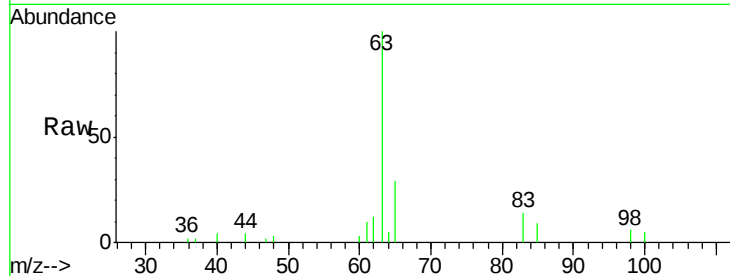




#19
 1,1-Dichloroethane
 Concen: 0.603 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU040851.D
 Acq: 20 Oct 2020 16:47

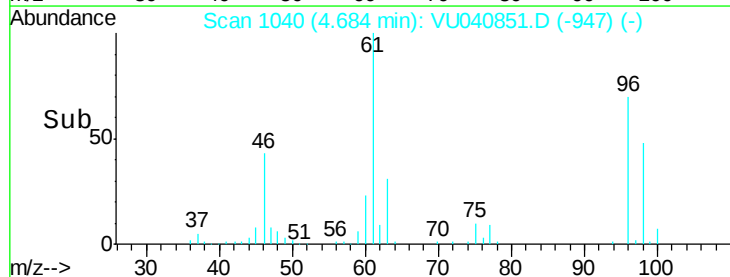
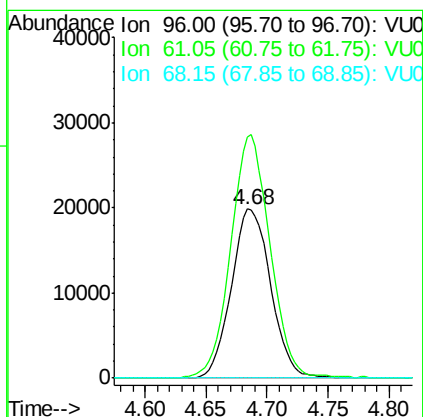
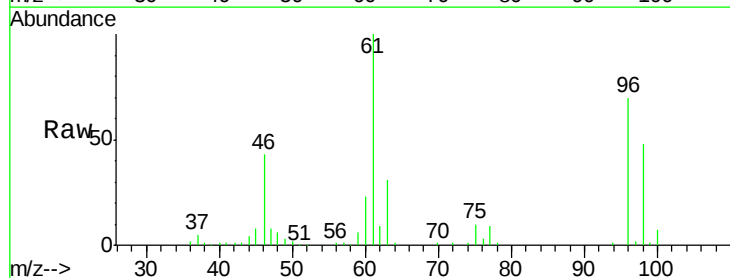
Instrument :
 MSVOA_U
 ClientSampleId :
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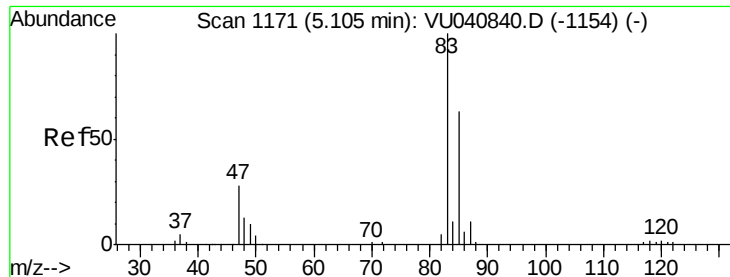
Tot Ion: 63 Resp: 13444
 Ion Ratio Lower Upper
 63 100
 65 29.2 21.9 40.7
 83 13.6 9.6 17.8



#22
 cis-1,2-Dichloroethene
 Concen: 3.826 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VU040851.D
 Acq: 20 Oct 2020 16:47

Tgt Ion: 96 Resp: 44507
 Ion Ratio Lower Upper
 96 100
 61 143.0 99.8 185.4
 68 0.0 0.0 0.0

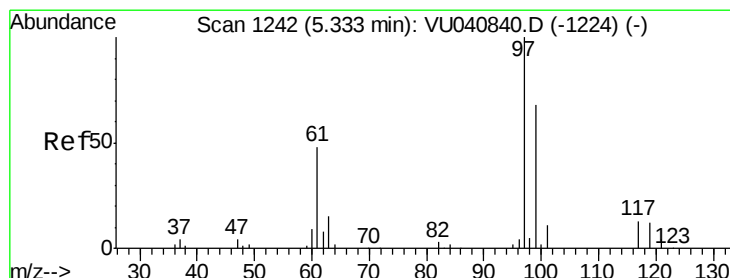
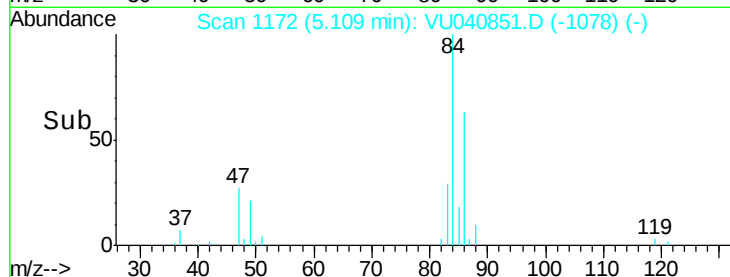
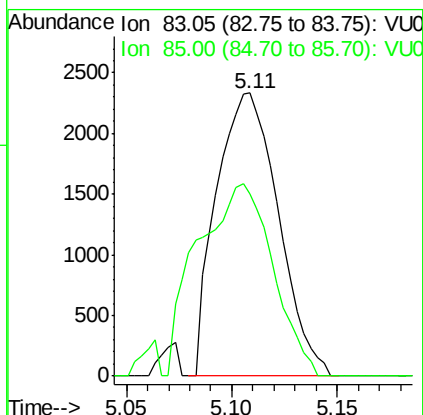
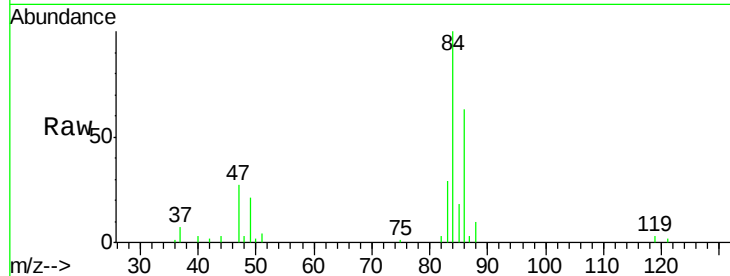




#25
Chloroform
Concen: 0.209 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040851.D
Acq: 20 Oct 2020 16:47

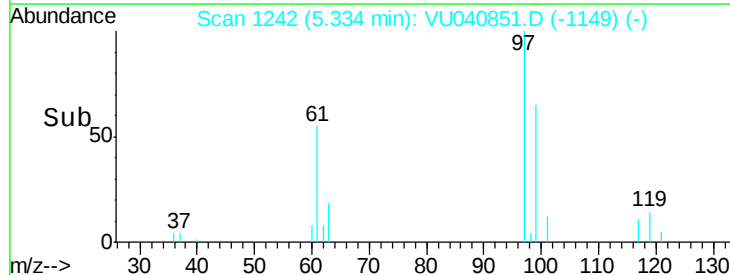
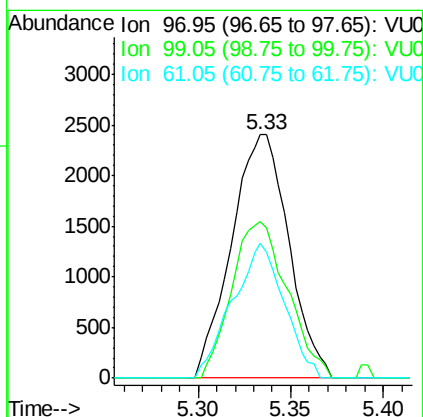
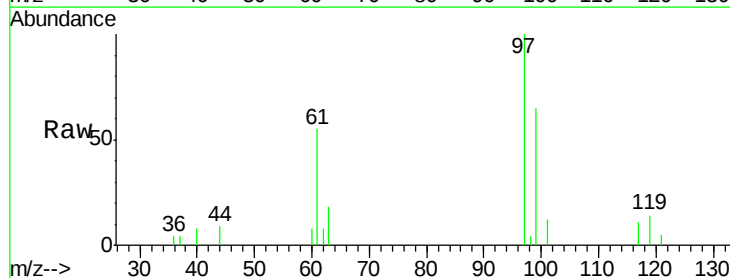
Instrument :
MSVOA_U
ClientSampled :
C0AJ8DL

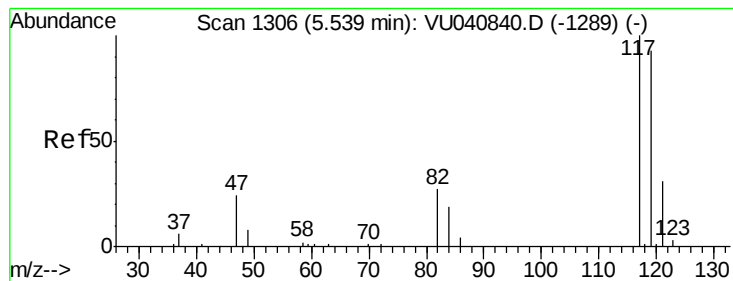
Tot Ion: 83 Resp: 4766
Ion Ratio Lower Upper
83 100
85 64.6 46.5 86.5



#29
1,1,1-Trichloroethane
Concen: 0.251 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040851.D
Acq: 20 Oct 2020 16:47

Tgt Ion: 97 Resp: 5147
Ion Ratio Lower Upper
97 100
99 62.8 51.3 76.9
61 50.0 39.4 59.2





#31

Carbon tetrachloride

Concen: 0.086 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040851.D

Acq: 20 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

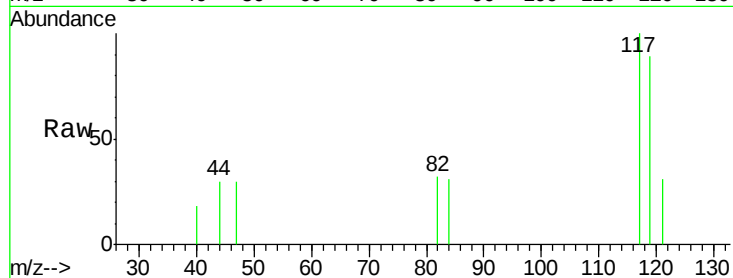
C0AJ8DL

Tot Ion:117 Resp: 1504

Ion Ratio Lower Upper

117 100

119 103.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

800

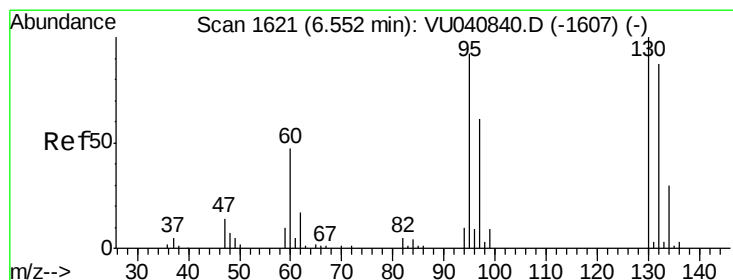
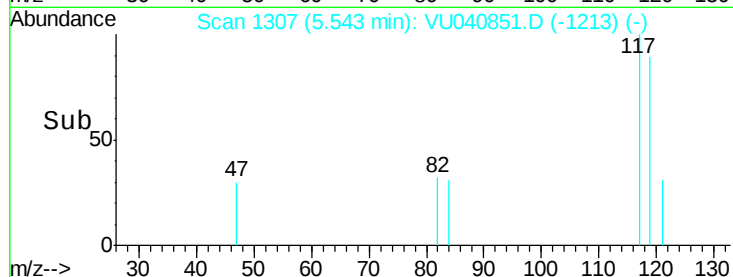
600

400

200

0

Time-->



#34

Trichloroethene

Concen: 4.523 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040851.D

Acq: 20 Oct 2020 16:47

Tgt Ion: 95 Resp: 57470

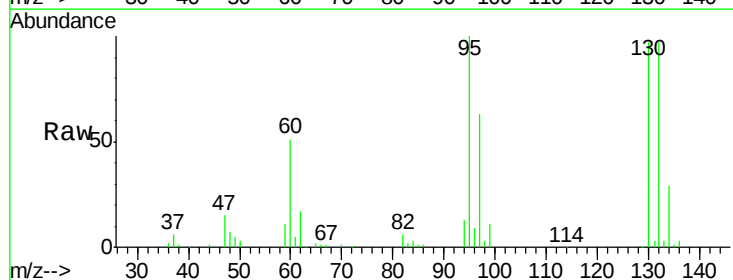
Ion Ratio Lower Upper

95 100

97 63.4 45.5 84.5

132 97.4 67.5 125.4

130 96.6 69.9 129.9



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

50000

40000

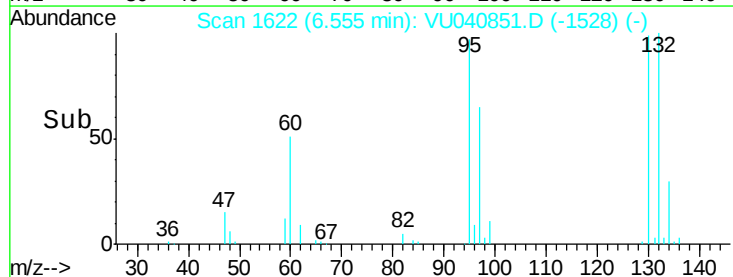
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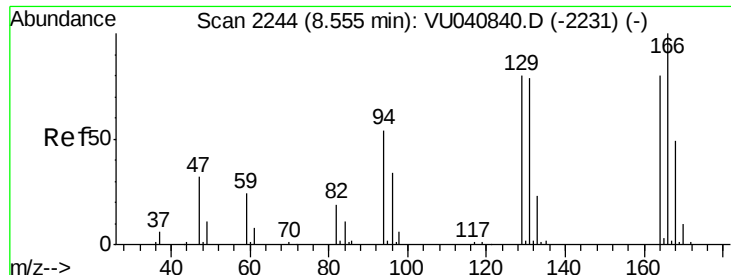
20000

10000

0

Time-->





#47

Tetrachloroethene

Concen: 4.726 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040851.D

Acq: 20 Oct 2020 16:47

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion:164 Resp: 42847

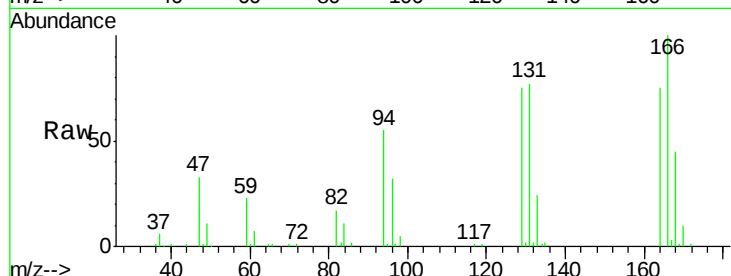
Ion Ratio Lower Upper

164 100

129 100.5 68.8 127.8

131 102.5 66.7 123.9

166 133.4 83.9 155.7

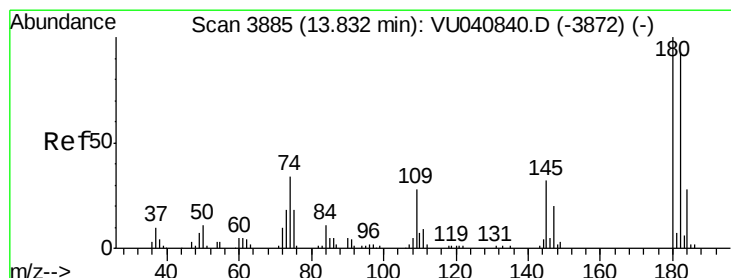
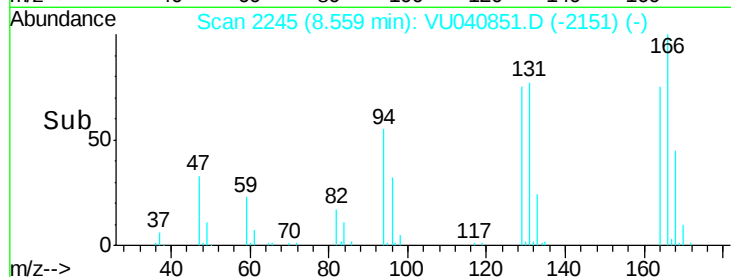
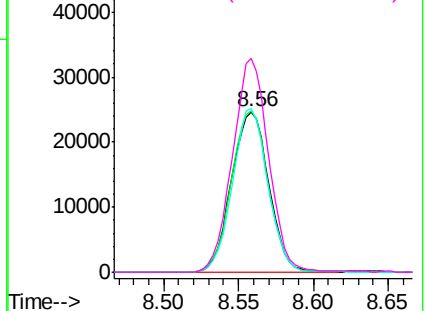


Abundance Ion 163.90 (163.60 to 164.60): V

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



#68

1,2,4-trichlorobenzene

Concen: 0.162 ug/L

RT: 13.83 min Scan# 3884

Delta R.T. -0.00 min

Lab File: VU040851.D

Acq: 20 Oct 2020 16:47

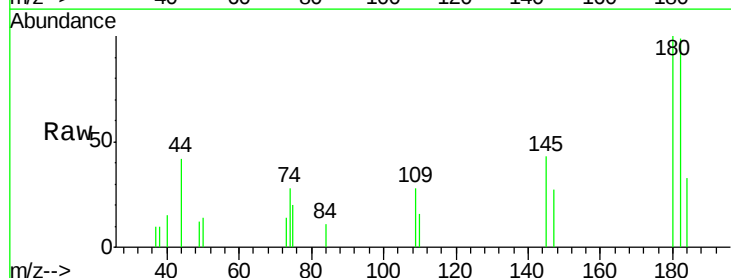
Tgt Ion:180 Resp: 1929

Ion Ratio Lower Upper

180 100

182 93.4 78.8 118.2

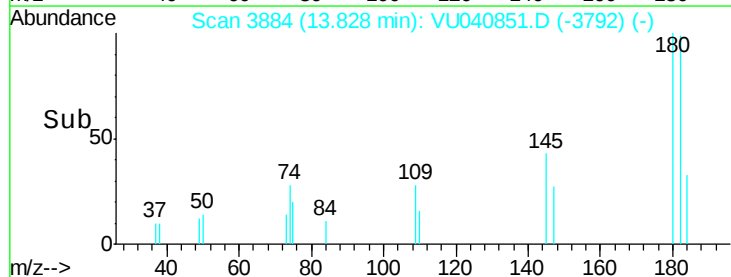
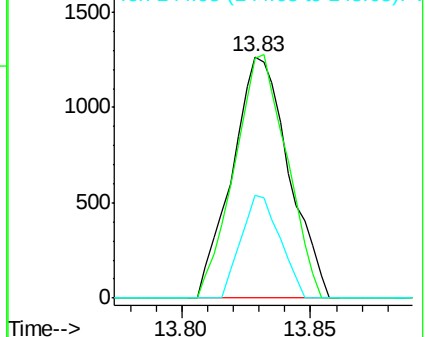
145 29.5 26.1 39.1

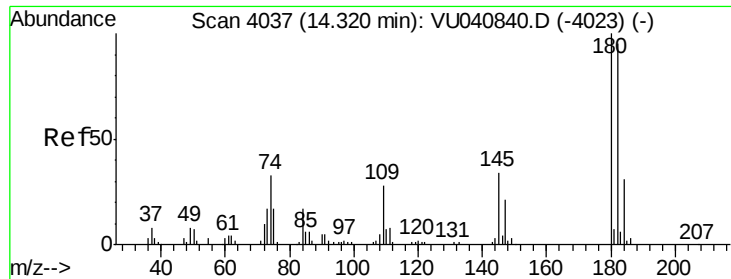


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

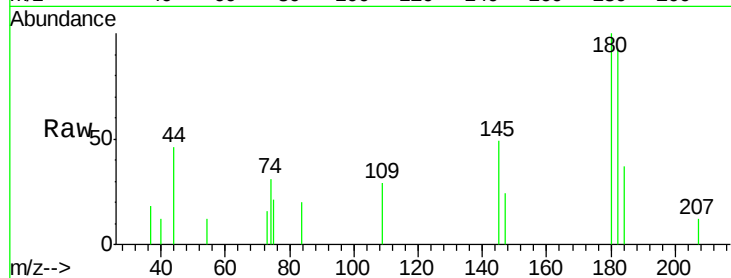




#70
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/L
 RT: 14.32 min Scan# 4038
 Delta R.T. 0.00 min
 Lab File: VU040851.D
 Acq: 20 Oct 2020 16:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
180	100		
182	90.6	75.8	113.8
145	43.6	27.4	41.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

