

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040877.D
 Acq On : 21 Oct 2020 16:44
 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 22 01:36:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	237058	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	246721	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	102201	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	77283	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.92	69	69607	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.58	63	220251	6.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	127.40%#
20) 2-Butanone-d5	4.65	46	353895	61.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.66%
24) Chloroform-d	5.08	84	168545	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.72	65	103468	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	299163	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.70	67	105436	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.91	98	236372	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	8.19	79	40465	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.64	63	263107	59.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	96137	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	96315	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

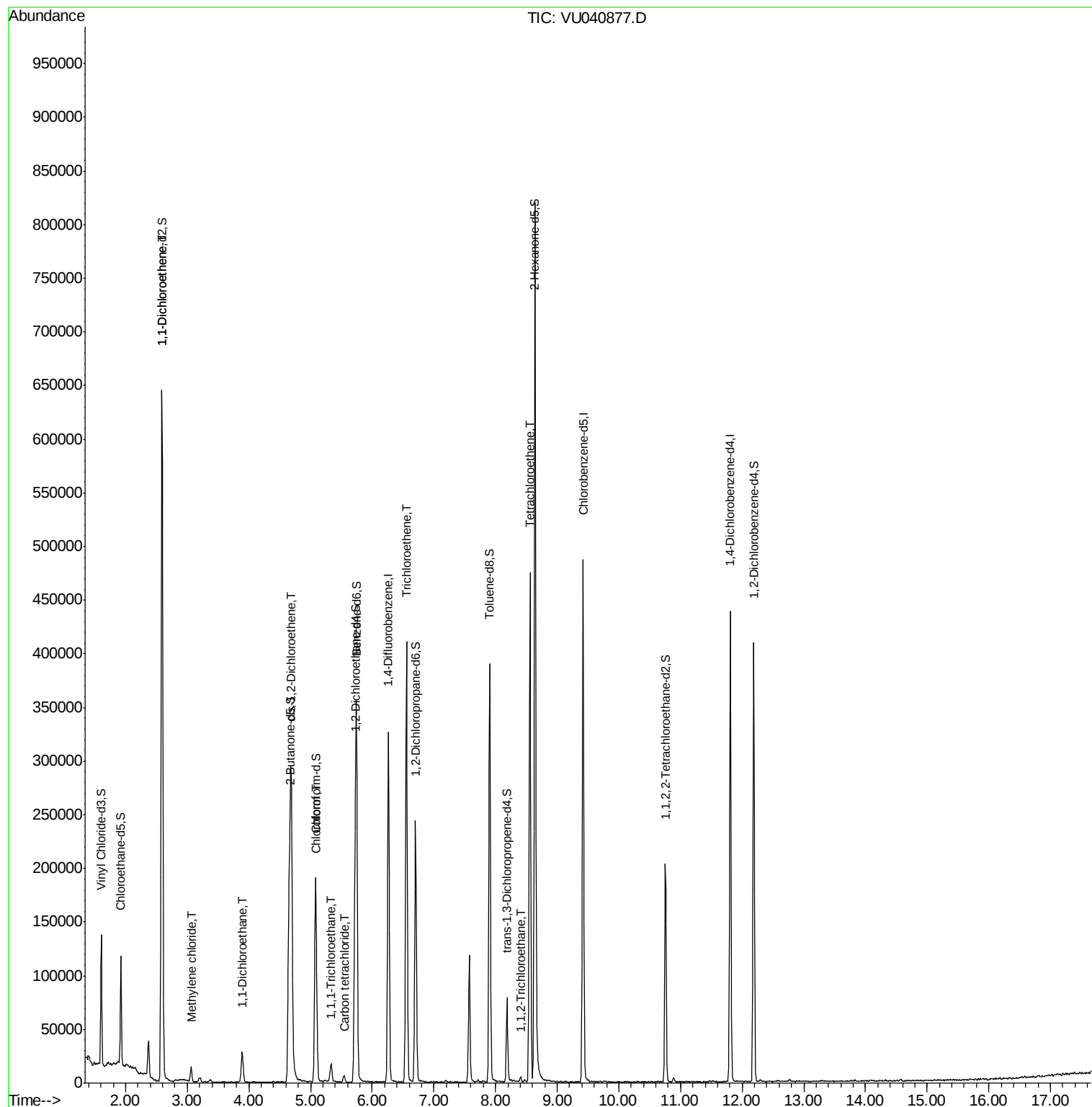
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.59	96	173018	9.965	ug/L	86
16) Methylene chloride	3.06	84	5343	0.250	ug/L	94
19) 1,1-Dichloroethane	3.89	63	31212	0.862	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	101760	5.147	ug/L	99
25) Chloroform	5.10	83	5157	0.140	ug/L	83
29) 1,1,1-Trichloroethane	5.34	97	11245	0.351	ug/L	97
31) Carbon tetrachloride	5.54	117	3675	0.130	ug/L	95
34) Trichloroethene	6.56	95	133388	6.608	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	1338	0.092	ug/L	94
47) Tetrachloroethene	8.56	164	97059	6.461	ug/L	95

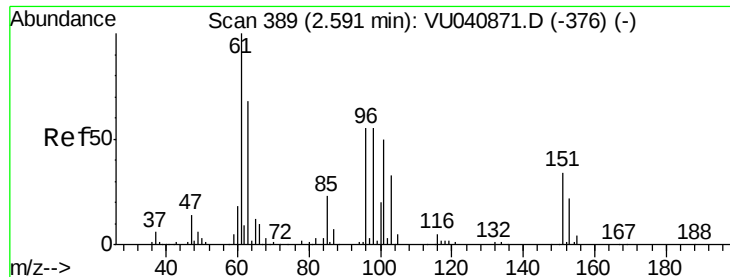
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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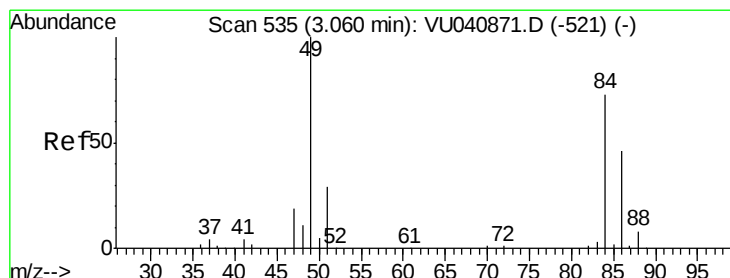
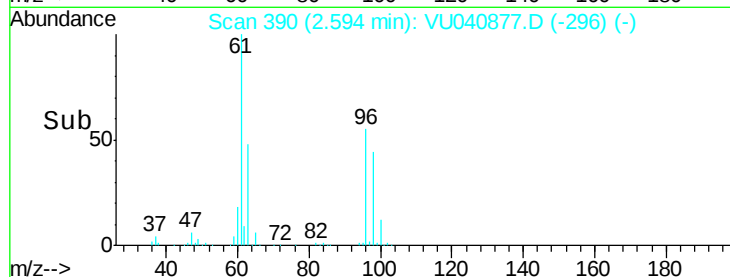
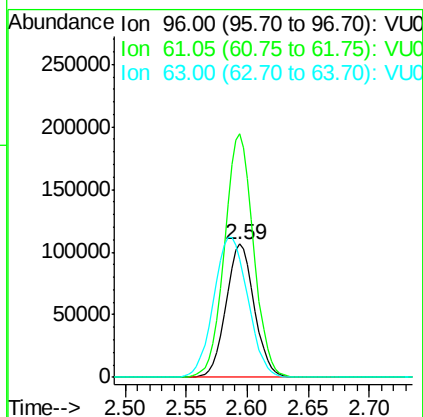
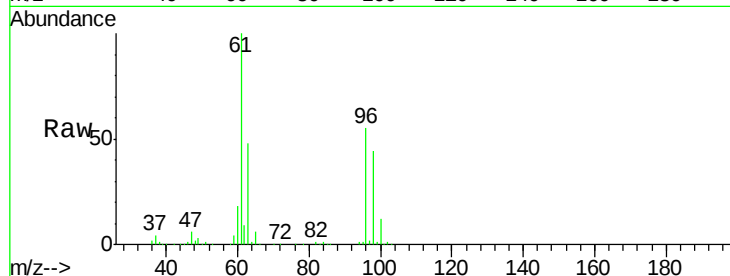




#12
1,1-Dichloroethene
Concen: 9.965 ug/L
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040877.D
Acq: 21 Oct 2020 16:44

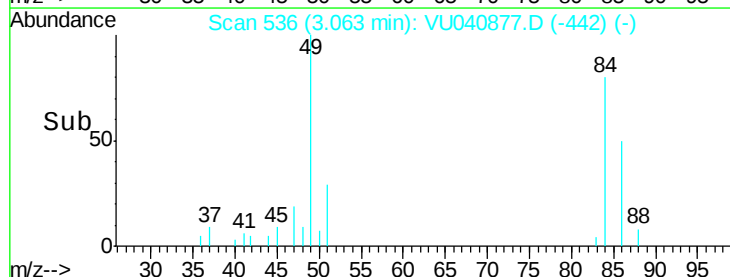
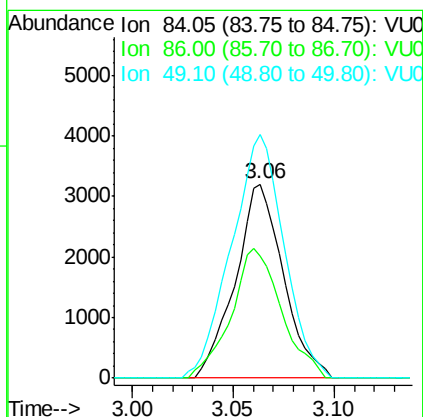
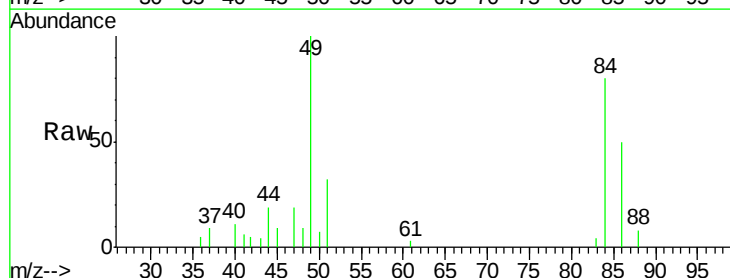
Instrument :
MSVOA_U
ClientSampleId :
C0AJ8DL

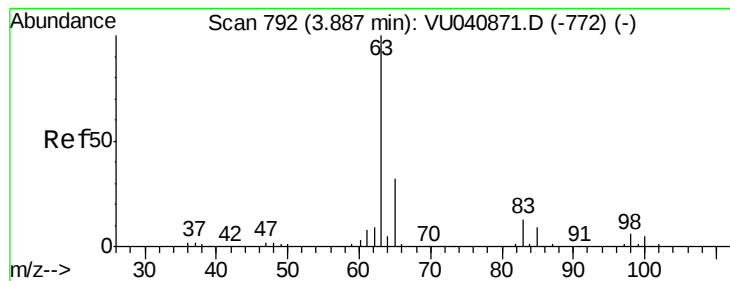
Tot Ion: 96 Resp: 173018
Ion Ratio Lower Upper
96 100
61 182.6 130.9 243.1
63 88.2 85.4 158.6



#16
Methylene chloride
Concen: 0.250 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040877.D
Acq: 21 Oct 2020 16:44

Tgt Ion: 84 Resp: 5343
Ion Ratio Lower Upper
84 100
86 63.1 44.9 83.5
49 125.4 94.7 175.9





#19

1,1-Dichloroethane

Concen: 0.862 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040877.D

Acq: 21 Oct 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

C0AJ8DL

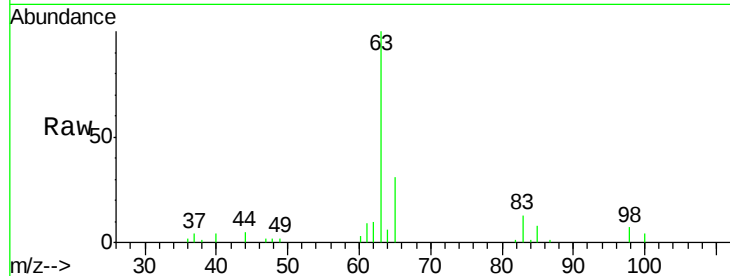
Tot Ion: 63 Resp: 31212

Ion Ratio Lower Upper

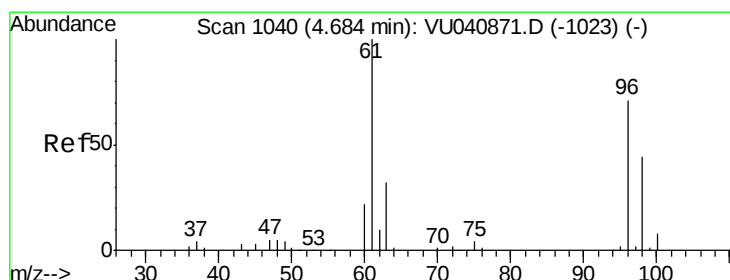
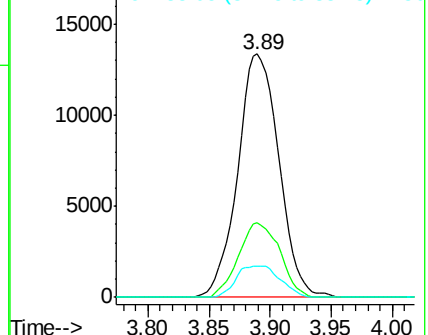
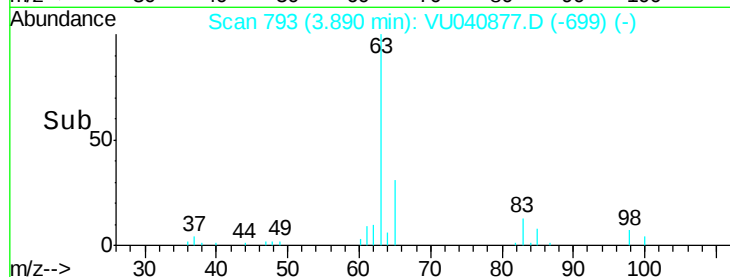
63 100

65 30.9 22.6 42.0

83 12.9 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040877.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.147 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040877.D

Acq: 21 Oct 2020 16:44

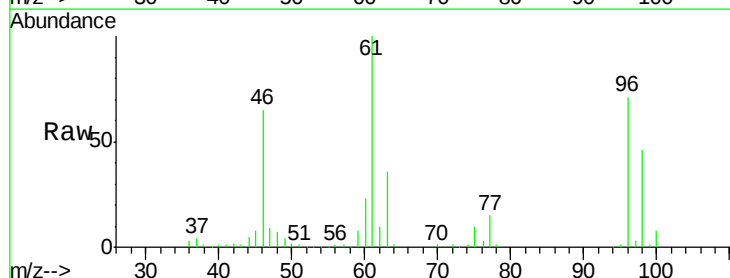
Tgt Ion: 96 Resp: 101760

Ion Ratio Lower Upper

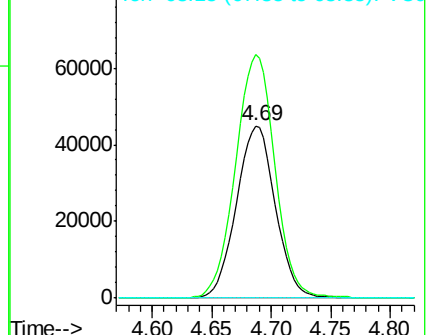
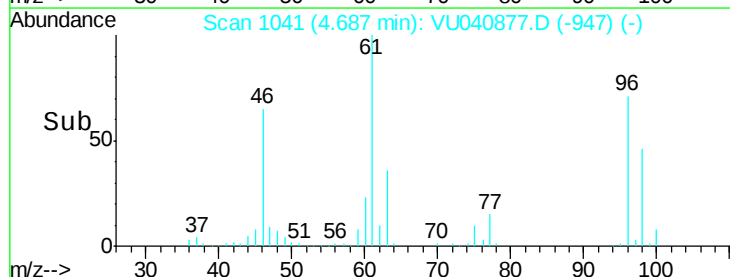
96 100

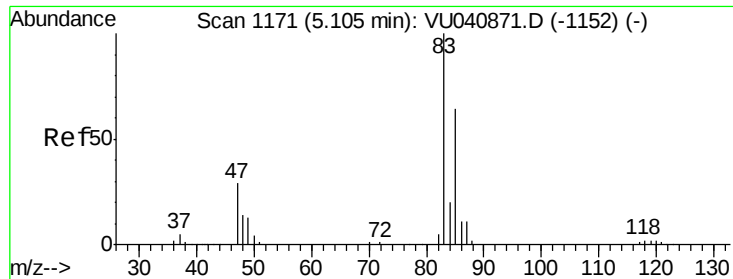
61 141.5 100.0 185.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040877.D (-947) (-)

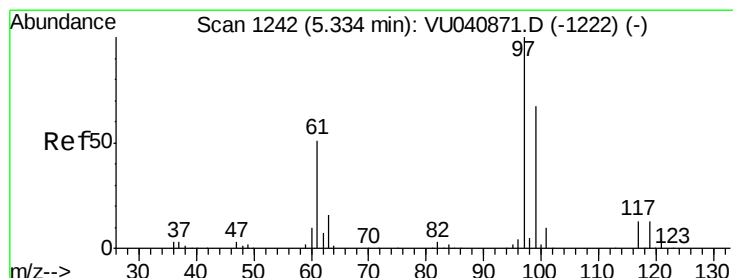
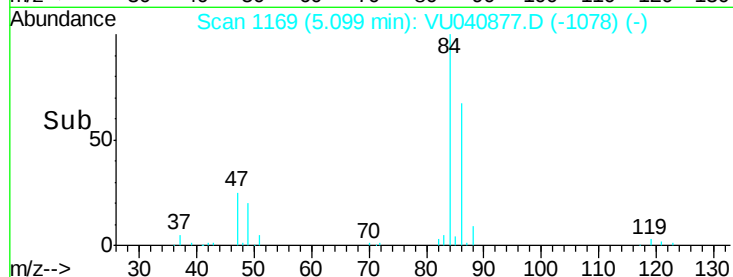
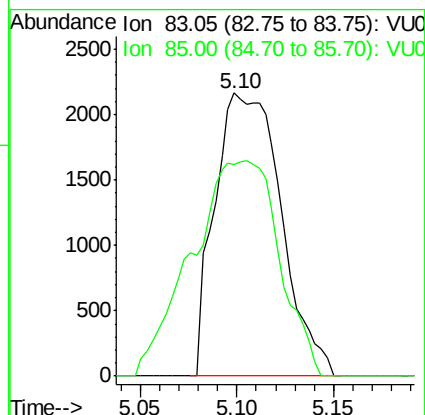
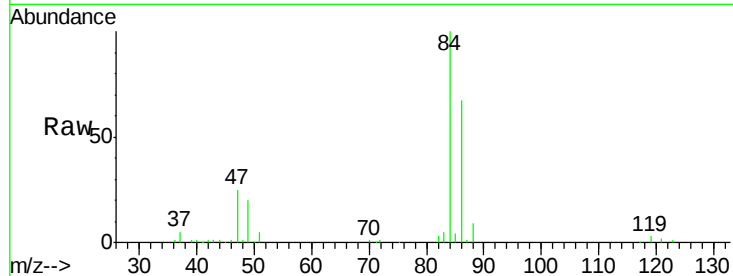




#25
Chloroform
Concen: 0.140 ug/L
RT: 5.10 min Scan# 1169
Delta R.T. -0.01 min
Lab File: VU040877.D
Acq: 21 Oct 2020 16:44

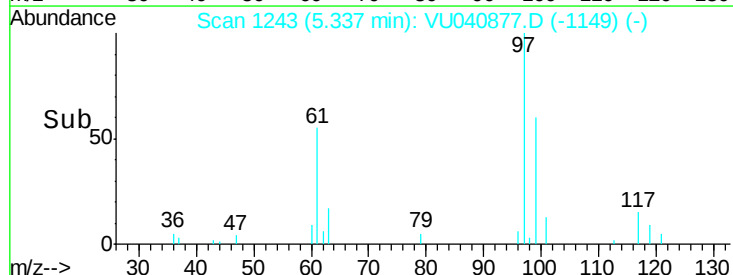
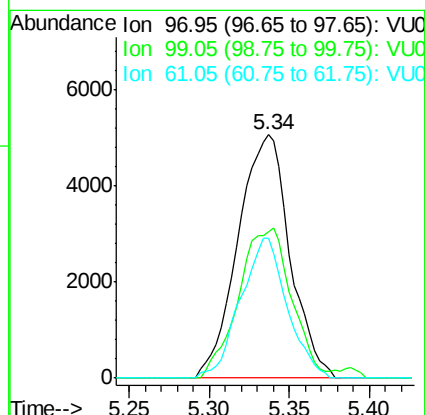
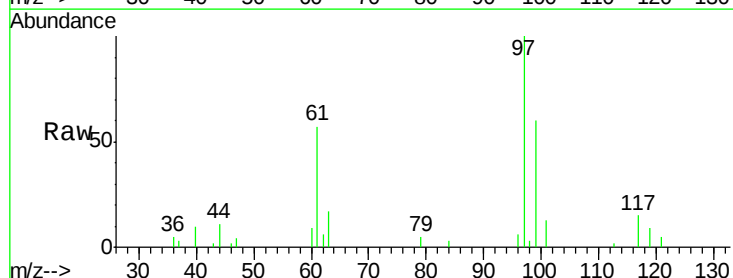
Instrument :
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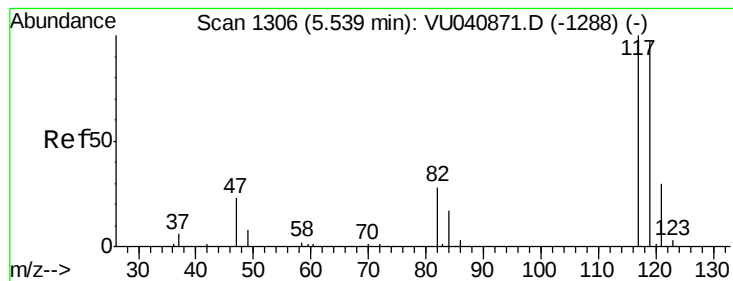
Tot Ion: 83 Resp: 5157
Ion Ratio Lower Upper
83 100
85 75.0 43.4 80.6



#29
1,1,1-Trichloroethane
Concen: 0.351 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU040877.D
Acq: 21 Oct 2020 16:44

Tgt Ion: 97 Resp: 11245
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 51.6 39.0 58.6





#31

Carbon tetrachloride

Concen: 0.130 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040877.D

Acq: 21 Oct 2020 16:44

Instrument :

MSVOA_U

ClientSampleId :

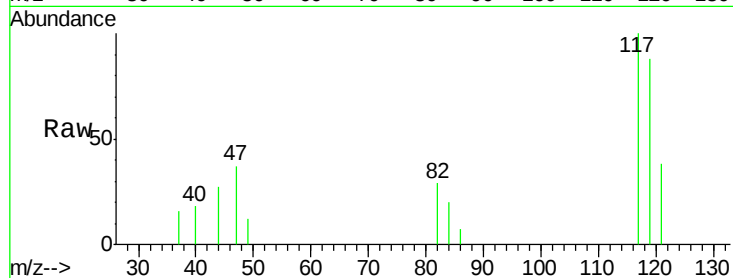
C0AJ8DL

Tot Ion:117 Resp: 3675

Ion Ratio Lower Upper

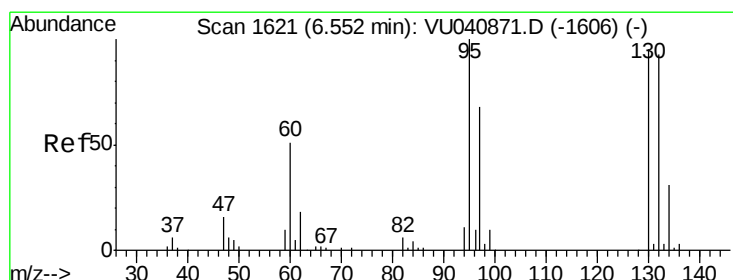
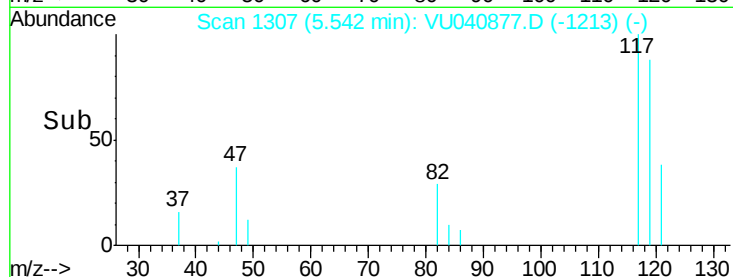
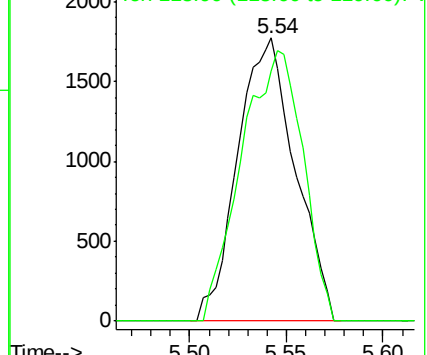
117 100

119 101.4 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 6.608 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040877.D

Acq: 21 Oct 2020 16:44

Tgt Ion: 95 Resp: 133388

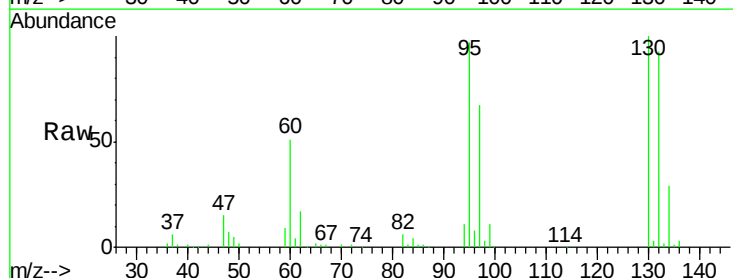
Ion Ratio Lower Upper

95 100

97 69.1 46.0 85.4

132 96.7 63.6 118.2

130 103.6 68.6 127.4

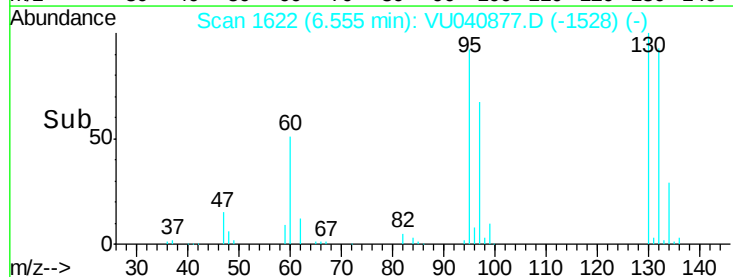
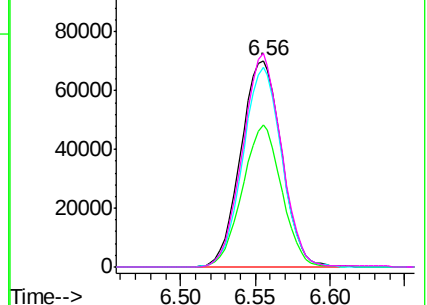


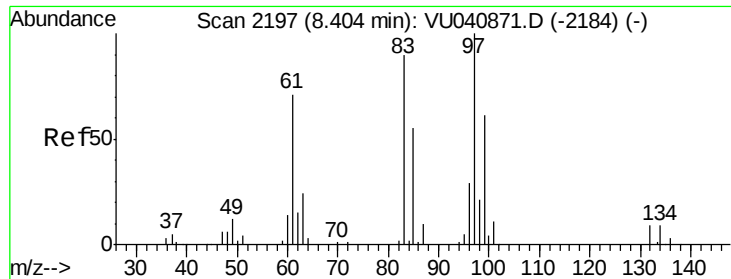
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

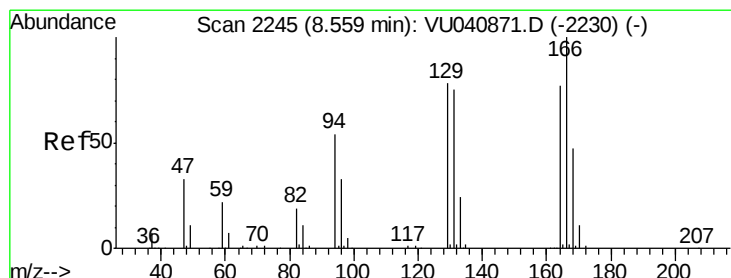
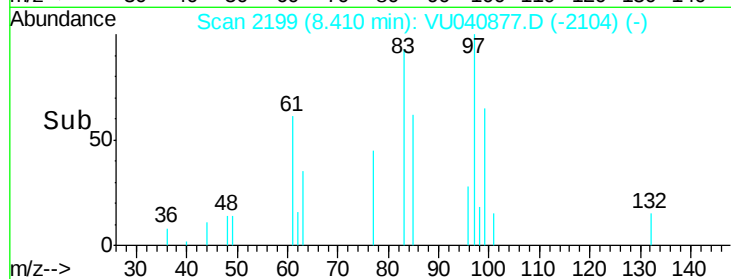
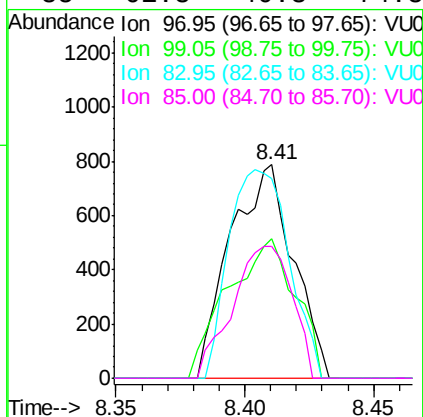
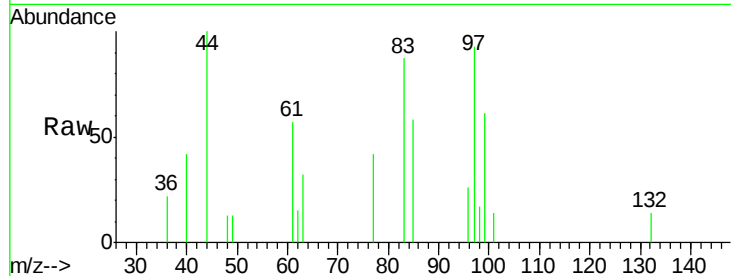




#45
 1,1,2-Trichloroethane
 Concen: 0.092 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
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Tot Ion:	97	Resp:	1338
Ion	Ratio	Lower	Upper
97	100		
99	65.5	42.1	78.1
83	93.4	62.0	115.2
85	61.8	40.3	74.8



#47
 Tetrachloroethene
 Concen: 6.461 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040877.D
 Acq: 21 Oct 2020 16:44

Tgt Ion:	164	Resp:	97059
Ion	Ratio	Lower	Upper
164	100		
129	95.3	69.7	129.4
131	89.1	65.4	121.4
166	122.4	90.0	167.2

